
Environmental Monitoring Report

2022 Annual Report

Torrey Landfill (Closed)
Yates County, New York

Prepared for

Yates County Highway Department

939 Route 14A
Penn Yan, New York 14527

April 2023

Barton & Loguidice

Yates County – Torrey Landfill (Closed)
Long Point Road
Town of Torrey, New York
NYSDEC: Region 8
NYS Site Code: 862004
NYS Classification: 04

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939 Route 14A
Penn Yan, New York 14527

Prepared by
Barton & Loguidice, D.P.C.
443 Electronics Parkway
Liverpool, New York 13088



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SAMPLE COLLECTION INFORMATION

Sampling Firm: ALS Environmental (ALS)
1565 Jefferson Road
Building 300, Suite 360
Rochester, NY 14623
585-288-5380

Sampling Dates: Second Quarter: June 22 and 23, 2022
Fourth Quarter: December 12 and 13, 2022

Sampling Locations: (See Figures 1 and 2)

Monitoring Wells:

	Upper Aquifer		Lower Aquifer
Upgradient	MW-1S ⁽¹⁾ MW-3S ⁽¹⁾	MW-4S ⁽⁵⁾ PZ-3 ⁽²⁾	MW-4D ⁽¹⁾
Downgradient	MW-5S ⁽²⁾ MW-12M ⁽²⁾ MW-13S ⁽²⁾ MW-15 ⁽²⁾ MW-16 ⁽¹⁾ MW-17 ⁽²⁾	PW-1 ⁽²⁾ PW-5 ⁽²⁾ PW-8 ⁽¹⁾ PW-10 ^{(2) (4)} PZ-2 ⁽¹⁾	MW-8D ⁽²⁾ MW-12D ⁽³⁾⁽⁵⁾
Surface Water			
	SW-1	SW-2	
Notes:	⁽¹⁾ Sampled via bailer ⁽²⁾ Existing low-flow pump ⁽³⁾ Duplicate sampling location – Second Quarter ⁽⁴⁾ Duplicate sampling location – Fourth Quarter ⁽⁵⁾ Location sampled with Waterra pump.		

2022 Parameters Tested:

Monitoring Location	Second Quarter	Fourth Quarter
MW-1S	B	R
MW-3S	B	R
PZ-3	B	R
MW-4S	B	R
MW-5S	B	R
MW-12M	B	R
MW-13S	B	R
MW-15	B	R
MW-17S	B	R
PW-1	B	R

Monitoring Location	Second Quarter	Fourth Quarter
PW-5	B	R
PW-8	DRY	DRY
PW-10	B	R
MW-4D	B	R
MW-8D	B	R
MW-12D	B	R
MW-16	B	R
PZ-2	B	R
SW-1	DRY	R
SW-2	B	R
Notes: R: 1993 Part 360 Routine Parameter List B: 1993 Part 360 Baseline Parameter List		

Field Determinations:

pH
 Temperature
 Turbidity
 Specific Conductance
 Eh (Oxidation Reduction Potential)
 Groundwater Elevation Level
 Dissolved Oxygen – Surface Waters Only

SAMPLE TESTING**Laboratory:**

ALS Environmental
 1565 Jefferson Road
 Building 300, Suite 360
 Rochester, New York 14623
 585-288-5380

Laboratory Accreditation:

NELAP/NYSDOH #10145

Test Reports:

Analysis Report Submissions (see Appendix B)

- Second Quarter: R2205713
- Fourth Quarter: R2211828

INTRODUCTION

This report presents the results of bi-annual landfill monitoring activities conducted during June and December 2022 at the closed Torrey Landfill located on Long Point Road in the Town of Torrey, Yates County, New York. Barton & Loguidice, D.P.C. (B&L) coordinated and supervised the bi-annual sampling events, which were performed in accordance with the provisions and requirements of the 6 NYCRR Part 360 Regulations and the March 1999 *Post-Closure Operations and Maintenance Manual* prepared by Galson Corporation of Rochester, New York. Data summary Tables 1-7 of the groundwater data are included Appendix C of this report.

The 2022 June and December analytical data were submitted into the NYSDEC EQulS database on April 5, 2023.

Landfill Monitoring Network

The Yates County Torrey Landfill consists of a closed 35-acre landfill situated on an approximately 100-acre parcel owned by Yates County. The Torrey Landfill ceased to accept waste in 1984, and was initially closed in 1985 in accordance with a New York State Department of Environmental Conservation (NYSDEC) consent order. Yates County then applied for EQBA Title 3 funding to conduct a Remedial Investigation/Feasibility Study (RI/FS) that commenced in 1991. Following completion of the RI and FS reports, the NYSDEC issued a Record of Decision (ROD) for this site in December 1994. ROD requirements included capping the landfill, which was completed in late 1998, and post-closure monitoring commenced in 1999. The post-closure monitoring program currently incorporates a total of 18 monitoring wells located on the landfill property and 2 surface water locations. The monitoring program sampling point locations are provided on Figures 1 of this report.

Weekly inspections of the landfill property are conducted by Ted's Electrical, Plumbing & Heating (Ted's Electric). In addition to completing a visual evaluation of the grounds and landfill boundaries, Ted's Electric performs a diagnostic check of the northwest leachate pump station and S20 leachate pump station to verify that the systems are operational and the alarms are functional. Flow meter readings from both stations are recorded on tally sheets posted at the northwest pump station house. Leachate tank levels, tank pressures, and the contents of the pump house sump are recorded at the northwest leachate pump station. Similarly, sump levels and flow meter readings are recorded weekly for the S20 pump station. Ted's Electric 2022 reporting Logs are included in Appendix E.

B&L also conducts quarterly inspections of the landfill facility in accordance with the Post-Closure Operations and Maintenance Manual. The 2022 quarterly inspection logs are included in Appendix F.

Groundwater Monitoring Wells

The site groundwater monitoring network consists of fifteen monitoring wells installed in the Upper Aquifer (four upgradient and eleven downgradient) and three monitoring wells installed in the Lower Aquifer (one upgradient and two downgradient). The locations of the above referenced monitoring wells are depicted on Figure 1.

Surface Water Sampling Locations

Two surface water sample locations (SW-1 and SW-2) are sampled on a semi-annual basis from the unnamed stream that originates at the southern boundary of the landfill site and flows in a southeasterly direction until it eventually discharges into Seneca Lake. Both surface water locations are downstream relative to the landfill and the locations are depicted on Figure 1.

Field Sampling Activities

During both the June and December 2022 monitoring events, representatives from ALS Environmental (ALS) of Rochester, New York collected a total of 18 groundwater samples (including one duplicate) and two surface water samples. All of the collected water quality samples were submitted to ALS for analyses. ALS reports are included in Appendix B.

ASSESSMENT OF MONITORING RESULTS

Upper Aquifer

During the June and December 2022 sampling events, groundwater samples were obtained from all monitoring wells completed in the shallow overburden deposits (Upper Aquifer), with the exception of PW-8 which was reported as dry during the Second Quarter 2022 monitoring event.

Monitoring well locations MW-1S, MW-3S, MW-4S, and PZ-3 represent the Upper Aquifer upgradient groundwater quality for the Torrey Landfill. These locations are representative of the background water quality of the Upper Aquifer for the Torrey Landfill, and are unlikely to be impacted by the landfill. The following Part 703 groundwater standard exceedances were noted during 2022 within the Upper Aquifer upgradient monitoring locations (Table 1):

- MW-1S – Total iron and total magnesium
- MW-3S – Total dissolved solids, total iron, total magnesium, and total sodium
- MW-4S – Total dissolved solids, total iron, total lead, total magnesium, total manganese, and volatile organic compounds (VOCs) 1,1- dichloroethane, 1,1,1- trichloroethane and trichloroethene
- PZ-3 – Sulfate, total dissolved solids, total iron, total magnesium and total sodium

A comparison of the 2022 Upper Aquifer upgradient groundwater quality data was made to the action levels established for this monitoring unit. The following list includes the action level exceedances observed in 2022 from the upgradient Upper Aquifer monitoring locations (Table 4):

- MW-1S – Turbidity
- MW-3S – No exceedances
- MW-4S – COD, hardness, nitrate-nitrogen, calcium, iron, lead and manganese

- PZ-3 – Hardness, sulfate and manganese

The 2022 monitoring results for the Upper Aquifer upgradient locations are generally consistent with historical results within each respective monitoring location with some increased concentrations observed in the Fourth Quarter. The COD, total calcium, total iron, total lead and total manganese concentrations observed during the Fourth Quarter for MW-4S are elevated when compared to historical data for this location. This location was reported as damaged during the 2022 Second Quarter event and as a result the sample methodology was changed from a bailer to a water pump. The Fourth Quarter field data sheet for MW-4S also describes the sample as clear to turbid during purging, which only 1 gallon was removed until purged dry, and turbid tan to clear during sampling. PZ-3 also demonstrated a similar increase in hardness, sulfate, chloride and magnesium. The water quality for both upgradient locations MW-4S and PZ-3 will be closely examined during the 2023 monitoring events, however, impacts upon these locations would be the result of non-landfill impacts.

MW-4S exceeded Part 703 groundwater standards of three VOCs which were consistent with historical data. Although MW-4S consistently exhibits VOC exceedances, the concentration of total VOCs within MW-4S is demonstrating a decreasing trend over time. Due to the upgradient location of MW-4S the historical source of VOC contamination is not likely to be the closed landfill facility.

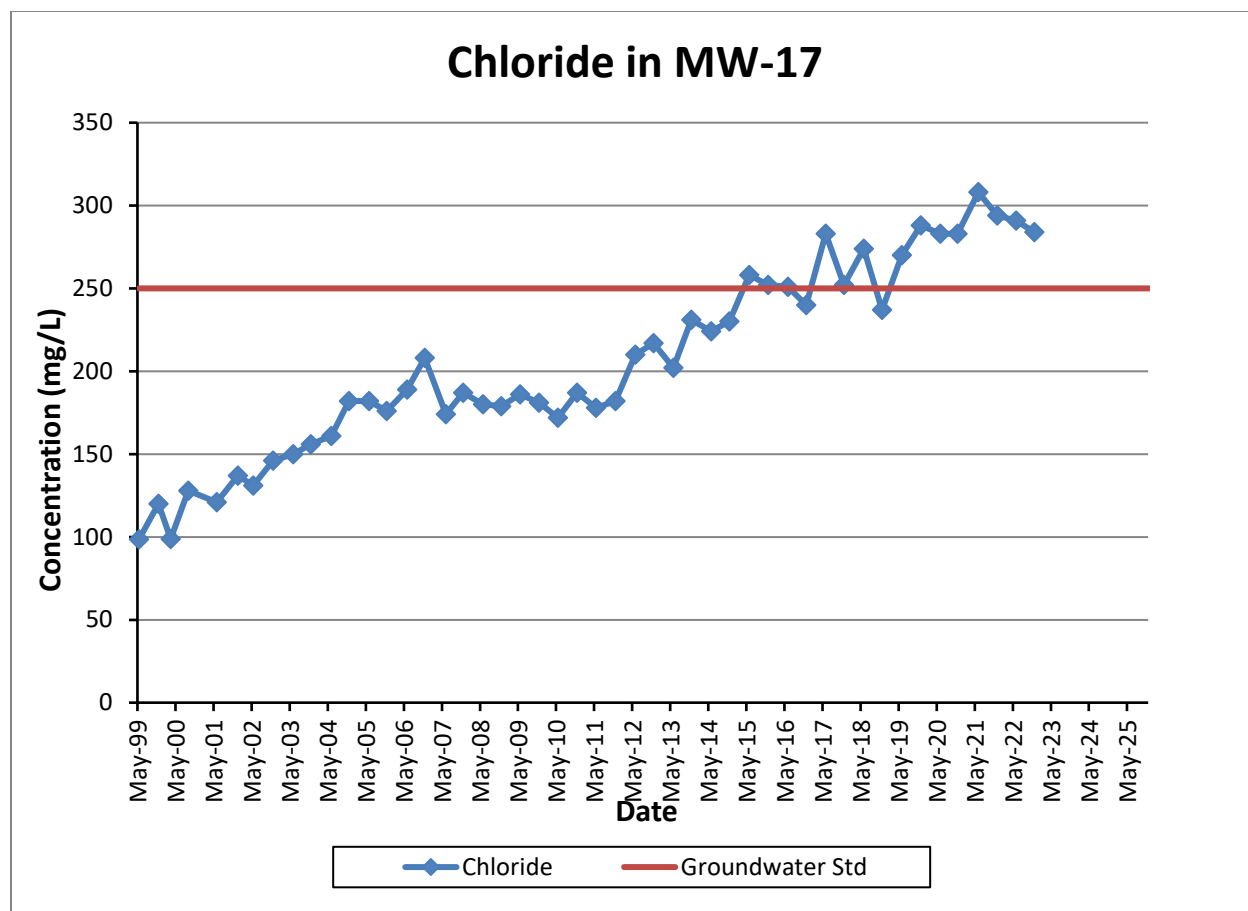
Eleven monitoring wells at the landfill site evaluate the downgradient water quality in the Upper Aquifer. These locations include MW-5S, MW-12M, MW-13S, MW-15, MW-16, MW-17, PZ-2, PW-1, PW-5, PW-8, and PW-10. PW-8 was reported as dry and unable to be sampled during both 2022 semi-annual monitoring events. The following Part 703 groundwater standard exceedances were noted in 2022 within the downgradient Upper Aquifer monitoring locations (Table 1):

- MW-5S – Ammonia-nitrogen, total dissolved solids, total arsenic, total iron, total magnesium, total manganese, and total sodium
- MW-12M – Total iron
- MW-13S – Total iron and total magnesium
- MW-15 – Ammonia-nitrogen, total iron, total magnesium, and total sodium
- MW-16 – Total iron, total magnesium, total manganese and total vanadium
- MW-17S – Chloride, total dissolved solids, total magnesium, and total sodium
- PZ-2 – Ammonia-nitrogen, chloride, total dissolved solids, total iron, total magnesium, total manganese, and total sodium
- PW-1 – Ammonia-nitrogen, total dissolved solids, total iron, total magnesium, total manganese and total sodium
- PW-5 – Total dissolved solids and total arsenic
- PW-10 – Total magnesium

A comparison of the 2022 Upper Aquifer downgradient groundwater quality data was made to the action levels established for this monitoring unit. The following list includes the action level exceedances observed in 2022 from the downgradient Upper Aquifer monitoring locations (Table 4):

- MW-5S – Total arsenic
- MW-12M – No exceedances
- MW-13S – No exceedances
- MW-15 – No exceedances
- MW-16 – Total aluminum, total chromium, total iron, total lead and total zinc
- MW-17 – No exceedances
- PZ-2 – Total hardness, sulfate, and total calcium
- PW-1 – Total manganese
- PW-5 – No exceedances
- PW-8 – No exceedances
- PW-10 – No exceedances

Chloride concentrations in MW-17 have increased consistently during the historical data period (refer to graph below) until 2015 when concentrations appear to stabilize. This trend does not require close examination moving forward, however we will continue to include the graph presented below in the near future environmental monitoring reports.



MW-16 demonstrated several elevated total metal concentrations during the 2022 Second Quarter monitoring event. The purge water and sample water for MW-16 was described as turbid on the field data sheet during the 2022 Second Quarter monitoring event. The elevated total metal concentrations observed are likely due to sample turbidity and will be re-evaluated during the 2023 semi-annual monitoring events. The remainder of the 2022 groundwater quality data obtained from the Upper Aquifer is generally consistent with the historic water quality data for each of the Upper Aquifer monitoring locations.

Lower Aquifer

ALS personnel collected groundwater samples during the June and December 2022 sampling events from all three of the monitoring wells (MW-4D, MW-8D, and MW-12D) that are completed in the Lower Aquifer at the Torrey Landfill. Monitoring well location MW-4D represents the Lower Aquifer upgradient water quality for the Torrey Landfill. This location is representative of the naturally occurring “background” groundwater quality of the Lower Aquifer, and is unlikely to be impacted by the landfill.

The following Part 703 groundwater standard exceedances were noted in 2022 within the Lower Aquifer monitoring locations (Table 2):

- MW-4D (upgradient) – Ammonia-nitrogen, total dissolved solids, total iron, and total sodium
- MW-8D – Ammonia-nitrogen, total iron, and total sodium
- MW-12D – Ammonia-nitrogen, phenols, pH, and total sodium

A comparison of the 2022 Lower Aquifer groundwater quality data was made to the action levels established for this monitoring unit. The following list includes the action level exceedances observed in 2022 from the Lower Aquifer monitoring locations (Table 5):

- MW-4D (upgradient) – COD
- MW-8D – Chloride
- MW-12D – No exceedances

MW-4D demonstrates a similar increase in COD as observed within MW-4S. COD concentrations from these locations will be re-evaluated in 2023. The remainder of the 2022 groundwater quality data collected for MW-4D is consistent with historical concentrations and is representative of upgradient groundwater quality within the Lower Aquifer.

Monitoring location MW-8D exhibits a nominal increasing trend of chloride overtime, and will continue to be closely monitored. It is important to note that the current chloride concentration (35.1 mg/l) are well below the groundwater standard of 250 mg/L. The 2022 Lower Aquifer downgradient groundwater quality data collected is generally consistent with historical data and the observed exceedances of groundwater standards and action levels in consistent for each location.

Emerging Contaminant Monitoring Results

In a letter dated January 5, 2021, the New York state Department of Environmental Conservation (DEC) requested the County to prepare a work plan to perform monitoring for emerging contaminants at the closed Yates County Torrey Landfill. B&L prepared the Work Plan, dated February 17, 2021, on behalf of the County, which was approved by the Department on April 7, 2022.

The Plan identified monitoring for emerging contaminants PFAS and 1,4-dioxane at monitoring locations MW-3S, MW-16, PW-8, MW-4D and MW-8D. The emerging contaminant monitoring was completed in combination with the 2022 Fourth Quarter monitoring event. Included in Attachment B is the ALS analytical report (R2211927), which includes the analytical results. Included as Appendix H is the data validation report for the emerging contaminant analytical report.

In summary, PFAS compounds were only detected within Upper Aquifer upgradient location MW-3S. Perfluorobutane sulfonic acid (PFBS) was detected at a concentration of 5.1 ppt within MW-3S. PFBS does not currently have a groundwater standard. 1,4-Dioxane was only detected within the two Lower Aquifer monitoring locations, MW-4D (upgradient) and MW-8D. The concentrations reported for these

locations was below the groundwater standard of 0.35 ppb. Based on the results obtained, further emerging contaminant monitoring at the Site does not appear warranted.

Surface Water

The facility has two designated surface water locations. SW-1 represents upstream water quality and SW-2 represents downstream water quality. During the Second Quarter 2022 semi-annual event; SW-1 SW-2 was reported as dry. The analytical results for SW-1 and SW-2 are presented in Appendix B. Upstream location SW-1 exceeded the class C surface water standard for total dissolved solids during the 2022 Fourth Quarter monitoring event. Downstream location SW-2 exceeded the class C surface water standards for total iron and total aluminum during the 2022 Second Quarter monitoring event. The surface water standard exceedances observed in 2022 are consistent with historical results and overall the 2022 surface water quality is consistent with historical surface water data. Historical results for these locations are included in Appendix C.

Landfill Inspection

Landfill inspections are completed by B&L on a quarterly basis. Landfill inspections address the current condition of the landfill and assist in recognizing potential issues that can occur over time at the landfill (i.e. vandalism, loss of vegetation, monitoring location accessibility).

Items of substantial concerns during the 2022 quarterly inspections were not observed. Settling on the landfill cap, which has historically been documented at the site, has not made any significant changes in 2022. The quarterly landfill inspection forms are included in Appendix F. A brief description of each observation is included below:

- 2022 First Quarter – The Landfill was observed to be in good condition. Historical settled areas observed to be consistent with previous inspection. Both pump buildings at the NE and NW corners have some mold and moisture build-up on walls and floors as a result of a leaking roof.
- 2022 Second Quarter – The landfill was observed to be in good condition. Historical settled areas observed to be consistent with previous inspection. Vegetation within leachate secondary containment was observed. Both pump buildings at the NE and NW corners have some mold and moisture build-up on walls and floors as a result of a leaking roof. Vegetation around monitoring wells was observed to be overgrown. Some signage on-site was observed to be knocked over.
- 2022 Third Quarter – Landfill was observed to be in good condition. B&L, Ted's Electric and County met on-site to do a walk through. Items identified in the Second Quarter were consistent with the Third Quarter. The County in planning to address on-going minor items.
- 2022 Fourth Quarter – The County addresses items identified in the Second and Fourth Quarter inspections. Overall, the Site was observed to be in good condition.

Landfill Gas

Landfill gas sampling was conducted during the August 2022 Third Quarter site inspection. A total of 12 perimeter landfill gas monitoring stations (SG-1 to SG-12) are located around the landfill. The points are sampled with a one-inch soil auger to depths advanced by hand. Methane was not detected within the gas monitoring locations. Based on these results there does not appear to be landfill gas migrating from the closed landfill over the standard of 5% methane by volume. The landfill gas results are included in Appendix F.

QUALITY CONTROL

Duplicate Sample Comparison

Precision and accuracy are measurements of reproducibility and the degree to which data approximate true values. These data qualities are controlled by defining acceptance limits for Quality Control (QC) measurements associated with all reported data. Laboratory data precision is maintained by strict adherence to sampling procedures and analytical protocols. Precision is measured by monitoring the degree to which duplicate measurements are reproducible. Close agreement between field samples taken in duplicate and laboratory split duplicate samples provide measurements of sampling and laboratory precision. Precision was calculated as:

$$\text{RPD} = \frac{(D)}{(M)} \times 100$$

RPD = Relative Percent Difference

D = Difference between 2 measurements

M = Mean of 2 measurements

Duplicate samples were collected in 2022 from MW-12D in June and from PW-10 in December. There were no discrepancies above the 20% criteria for 2022. Overall, the June and December 2022 duplicate comparisons demonstrate an acceptable degree of laboratory precision.

Subcontractor Documentation

Appendix E includes copies of Ted's Electric's weekly inspection forms and the GottaDo Contracting, LLC leachate hauling records for 2022.

Usability Analysis

Data validation was required for the 2022 Second Quarter baseline sampling event, and the validation services were completed by Alpha Geoscience and is included in Appendix G. In summary, the validation report determined the overall performances of the analyses to be acceptable with some of the data qualified. The internal laboratory case narrative associated with the ALS data review is attached in Appendix B.

CONCLUSIONS

The collection of the June and December 2022 rounds of groundwater samples at the Yates County Torrey Landfill represents continued post-closure data for the site. The June and December 2022 results exhibit consistency when compared to historical results for each groundwater and surface water monitoring location. The sample locations associated with post-closure monitoring at the Torrey Landfill will again be sampled and analyzed during the Second Quarter 2023 monitoring event, which will be a Part 360 Routine parameter sampling event.

Tables

TABLE 1
2022 - PART 703 STANDARD EXCEEDANCES
YATES COUNTY - TORREY LANDFILL (CLOSED)
UPPER AQUIFER GROUNDWATER

PARAMETER	6 NYCRR PART 703 STANDARD OR [GUIDANCE VALUE]	UPPER AQUIFER MONITORING WELL LOCATION (UPGRADIENT)							
		MW-1S		MW-3S		MW-4S		MW-5S	
		2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER
Ammonia-nitrogen	2.0 mg/L	-	-	-	-	-	-	3.4	2.9
Chloride	250 mg/L	-	-	-	-	-	-	-	-
Sulfate	250 mg/L	-	-	-	-	-	-	-	-
Total Dissolved Solids	500 mg/L	-	-	530	541	824	786	866	826
Arsenic - T - D	0.025 mg/L	-	-	-	-	-	-	0.04	-
Iron - T - D	0.3 mg/L	2.2	3.8	0.6	2.1	2.2	121.0	31.1	14.4
Lead - T - D	0.0025 mg/L	-	-	-	-	-	0.079	-	-
Magnesium - T - D	[35] mg/L	37	40.9	87.1	93.8	52.4	67.9	55.9	54.3
Manganese - T - D	0.3 mg/L	-	-	-	-	1.26	6.89	0.72	0.65
Sodium - T - D	20 mg/L	-	-	23.8	26	-	-	90.5	92
Vanadium - T - D	0.014 mg/L	-	-	-	-	-	-	-	-
1,1-Dichloroethane	5 ug/L	-	-	-	-	29	-	-	-
1,1,1-Trichloroethane	5 ug/L	-	-	-	-	78	-	-	-
Trichloroethene	5 ug/L	-	-	-	-	21	-	-	-

TABLE 1
2022 - PART 703 STANDARD EXCEEDANCES
YATES COUNTY - TORREY LANDFILL (CLOSED)
UPPER AQUIFER GROUNDWATER

PARAMETER	6 NYCRR PART 703 STANDARD OR [GUIDANCE VALUE]	UPPER AQUIFER MONITORING WELL LOCATION							
		MW-12M		MW-13S		MW-15		MW-16	
		2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER
Ammonia-nitrogen	2.0 mg/L	-	-	-	-	16.5	17.0	-	-
Chloride	250 mg/L	-	-	-	-	-	-	-	-
Sulfate	250 mg/L	-	-	-	-	-	-	-	-
Total Dissolved Solids	500 mg/L	-	-	-	-	-	-	-	-
Arsenic - T - D	0.025 mg/L	-	-	-	-	-	-	-	-
Iron - T - D	0.3 mg/L	2.3	1.8	-	2.9	7.4	7.1	40.6	44.1
Lead - T - D	0.0025 mg/L	-	-	-	-	-	-	-	-
Magnesium - T - D	[35] mg/L	-	-	-	40.2	36.6	39.4	60.0	62.2
Manganese - T - D	0.3 mg/L	-	-	-	-	-	-	1.05	1.04
Sodium - T - D	20 mg/L	-	-	-	-	39.4	40.5	-	-
Vanadium - T - D	0.014 mg/L	-	-	-	-	-	-	0.064	-
1,1-Dichloroethane	5 ug/L	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	5 ug/L	-	-	-	-	-	-	-	-
Trichloroethene	5 ug/L	-	-	-	-	-	-	-	-

TABLE 1
2022 - PART 703 STANDARD EXCEEDANCES
YATES COUNTY - TORREY LANDFILL (CLOSED)
UPPER AQUIFER GROUNDWATER

PARAMETER	6 NYCRR PART 703 STANDARD OR [GUIDANCE VALUE]	UPPER AQUIFER MONITORING WELL LOCATION							
		MW-17S		PZ-2		PZ-3		PW-1	
		2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER
Ammonia-nitrogen	2.0 mg/L	-	-	2.73	2.58	-	-	4.79	-
Chloride	250 mg/L	291	284	437	407	-	-	-	-
Sulfate	250 mg/L	-	-	-	-	-	599	-	-
Total Dissolved Solids	500 mg/L	934	901	1950	1880	712	1510	839	779
Arsenic - T - D	0.025 mg/L	-	-	-	-	-	-	-	-
Iron - T - D	0.3 mg/L	-	-	15.9	14.5	1.8	0.6	-	2.8
Lead - T - D	0.0025 mg/L	-	-	-	-	-	-	-	-
Magnesium - T - D	[35] mg/L	131.0	133.0	124.0	119.0	55.9	178.0	58.1	56.6
Manganese - T - D	0.3 mg/L	-	-	0.62	0.58	-	-	3.35	1.84
Sodium - T - D	20 mg/L	31.0	31.9	319	326	-	44.3	59.7	56.7
Vanadium - T - D	0.014 mg/L	-	-	-	-	-	-	-	-
1,1-Dichloroethane	5 ug/L	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	5 ug/L	-	-	-	-	-	-	-	-
Trichloroethene	5 ug/L	-	-	-	-	-	-	-	-

TABLE 1
2022 - PART 703 STANDARD EXCEEDANCES
YATES COUNTY - TORREY LANDFILL (CLOSED)
UPPER AQUIFER GROUNDWATER

PARAMETER	6 NYCRR PART 703 STANDARD OR [GUIDANCE VALUE]	UPPER AQUIFER MONITORING WELL LOCATION							
		PW-5		PW-8		PW-10		-	
		2ND QUARTER	4TH QUARTER	2ND QUARTER (DRY)	4TH QUARTER (DRY)	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER
Ammonia-nitrogen	2.0 mg/L	-	-	-	-	-	-		
Chloride	250 mg/L	-	-	-	-	-	-		
Sulfate	250 mg/L	-	-	-	-	-	-		
Total Dissolved Solids	500 mg/L	504	524	-	-	-	-		
Arsenic - T - D	0.025 mg/L	-	-	-	-	-	-		
Iron - T - D	0.3 mg/L	-	0.80	-	-	-	-		
Lead - T - D	0.0025 mg/L	-	-	-	-	-	-		
Magnesium - T - D	[35] mg/L	-	-	-	-	36.5	38.7		
Manganese - T - D	0.3 mg/L	-	-	-	-	-	-		
Sodium - T - D	20 mg/L	-	-	-	-	-	-		
Vanadium - T -D	0.014 mg/L	-	-	-	-	-	-		
1,1-Dichloroethane	5 ug/L	-	-	-	-	-	-		
1,1,1-Trichloroethane	5 ug/L	-	-	-	-	-	-		
Trichloroethene	5 ug/L	-	-	-	-	-	-		

**TABLE 2
2022 - PART 703 STANDARD EXCEEDANCES
YATES COUNTY - TORREY LANDFILL (CLOSED)
LOWER AQUIFER GROUNDWATER**

PARAMETER	6 NYCRR PART 703 STANDARD OR [GUIDANCE VALUE]	LOWER AQUIFER MONITORING WELL LOCATION							
		MW-4D		MW-8D		MW-12D		-	
		2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER
Ammonia-nitrogen	2.0 mg/L	2.20	2.26	3.71	3.65	5.70	5.36		
Phenols	0.005 mg/L	-	-	-	-	0.006	-		
pH	6.5-8.5 Std Units	-	-	-	-	11.69	11.59		
Total Dissolved Solids	500 mg/L	820	807	-	-	-	-		
Iron - T	0.3 mg/L	2.50	8.90	4.10	4.40	-	-		
- D		-	-	-	-	-	-		
Sodium - T	20 mg/L	289	298	64	64	94	95		
- D		-	-	-	-	-	-		

TABLE 3
2022 - PART 703 STANDARD EXCEEDANCES
YATES COUNTY - TORREY LANDFILL (CLOSED)
SURFACE WATER

PARAMETER	6 NYCRR PART 703 STANDARD OR [GUIDANCE VALUE]	LOWER AQUIFER MONITORING WELL LOCATION							
		SW-1		SW-2					
		2ND QUARTER (DRY)	4TH QUARTER	2ND QUARTER	4TH QUARTER				
Total Dissolved Solids	500 mg/L	-	557	-	-				
Iron - T - D	0.3 mg/L	-	-	0.90	-				
Aluminum - T - D	0.1 mg/L	-	-	0.95	-				

TABLE 4
2022 - ACTION LEVEL EXCEEDANCES
YATES COUNTY - TORREY LANDFILL (CLOSED)
UPPER AQUIFER GROUNDWATER

PARAMETER	ACTION LEVEL	UPPER AQUIFER MONITORING WELL LOCATION (UPGRADIENT)							
		MW-1S		MW-3S		MW-4S		MW-5S	
		2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER
COD	127.7 mg/L	-	-	-	-	-	224	-	-
Hardness	1000 mg/L	-	-	-	-	-	1170	-	-
Nitrate-Nitrogen	2.8 mg/L	-	-	-	-	7.50	4.80	-	-
Turbidity	136 NTU	180.10	-	-	-	-	-	-	-
Sulfate	142 mg/L	-	-	-	-	-	-	-	-
Aluminum - T	3.9 mg/L	-	-	-	-	-	-	-	-
Arsenic - T	0.033 mg/L	-	-	-	-	-	-	0.04	-
Calcium - T	200 mg/L	-	-	-	-	-	356.0	-	-
Chromium - T	0.022 mg/L	-	-	-	-	-	-	-	-
Iron - T	34.3 mg/L	-	-	-	-	-	121.0	-	-
Lead - T	0.0075 mg/L	-	-	-	-	-	0.079	-	-
Magnesium - T	147 mg/L	-	-	-	-	-	-	-	-
Manganese - T	1.5 mg/L	-	-	-	-	-	6.89	-	-
Zinc - T	0.063 mg/L	-	-	-	-	-	-	-	-

**TABLE 4
2022 - ACTION LEVEL EXCEEDANCES
YATES COUNTY - TORREY LANDFILL (CLOSED)
UPPER AQUIFER GROUNDWATER**

PARAMETER	ACTION LEVEL	UPPER AQUIFER MONITORING WELL LOCATION							
		MW-12M		MW-13S		MW-15		MW-16	
		2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER
COD	127.7 mg/L	-	-	-	-	-	-	-	-
Hardness	1000 mg/L	-	-	-	-	-	-	-	-
Nitrate-Nitrogen	2.8 mg/L	-	-	-	-	-	-	-	-
Turbidity	136 NTU	-	-	-	-	-	-	-	-
Sulfate	142 mg/L	-	-	-	-	-	-	-	-
Aluminum - T	3.9 mg/L	-	-	-	-	-	-	34.40	-
Arsenic - T	0.033 mg/L	-	-	-	-	-	-	-	-
Calcium - T	200 mg/L	-	-	-	-	-	-	-	-
Chromium - T	0.022 mg/L	-	-	-	-	-	-	0.046	-
Iron - T	34.3 mg/L	-	-	-	-	-	-	40.60	44.10
Lead - T	0.0075 mg/L	-	-	-	-	-	-	0.019	0.022
Magnesium - T	147 mg/L	-	-	-	-	-	-	-	-
Manganese - T	1.5 mg/L	-	-	-	-	-	-	-	-
Zinc - T	0.063 mg/L	-	-	-	-	-	-	0.132	-

**TABLE 4
2022 - ACTION LEVEL EXCEEDANCES
YATES COUNTY - TORREY LANDFILL (CLOSED)
UPPER AQUIFER GROUNDWATER**

PARAMETER	ACTION LEVEL	UPPER AQUIFER MONITORING WELL LOCATION							
		MW-17S		PZ-2		PZ-3		PW-1	
		2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER
COD	127.7 mg/L	-	-	-	-	-	-	-	-
Hardness	1000 mg/L	-	-	1070	1040	-	1190	-	-
Nitrate-Nitrogen	2.8 mg/L	-	-	-	-	-	-	-	-
Turbidity	136 NTU	-	-	-	-	-	-	-	-
Sulfate	142 mg/L	-	-	207	165	-	599	-	-
Aluminum - T	3.9 mg/L	-	-	-	-	-	-	-	-
Arsenic - T	0.033 mg/L	-	-	-	-	-	-	-	-
Calcium - T	200 mg/L	-	-	222	219	-	-	-	-
Chromium - T	0.022 mg/L	-	-	-	-	-	-	-	-
Iron - T	34.3 mg/L	-	-	-	-	-	-	-	-
Lead - T	0.0075 mg/L	-	-	-	-	-	-	-	-
Magnesium - T	147 mg/L	-	-	-	-	-	178	-	-
Manganese - T	1.5 mg/L	-	-	-	-	-	-	3.4	1.8
Zinc - T	0.063 mg/L	-	-	-	-	-	-	-	-

**TABLE 4
2022 - ACTION LEVEL EXCEEDANCES
YATES COUNTY - TORREY LANDFILL (CLOSED)
UPPER AQUIFER GROUNDWATER**

PARAMETER	ACTION LEVEL	UPPER AQUIFER MONITORING WELL LOCATION							
		PW-5		PW-8		PW-10		--	
		2ND QUARTER	4TH QUARTER	2ND QUARTER (DRY)	4TH QUARTER (DRY)	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER
COD	127.7 mg/L	-	-	-	-	-	-		
Hardness	1000 mg/L	-	-	-	-	-	-		
Nitrate-Nitrogen	2.8 mg/L	-	-	-	-	-	-		
Turbidity	136 NTU	-	-	-	-	-	-		
Sulfate	142 mg/L	-	-	-	-	-	-		
Aluminum - T	3.9 mg/L	-	-	-	-	-	-		
Arsenic - T	0.033 mg/L	-	-	-	-	-	-		
Calcium - T	200 mg/L	-	-	-	-	-	-		
Chromium - T	0.022 mg/L	-	-	-	-	-	-		
Iron - T	34.3 mg/L	-	-	-	-	-	-		
Lead - T	0.0075 mg/L	-	-	-	-	-	-		
Magnesium - T	147 mg/L	-	-	-	-	-	-		
Manganese - T	1.5 mg/L	-	-	-	-	-	-		
Zinc - T	0.063 mg/L	-	-	-	-	-	-		

TABLE 5
2022 - ACTION LEVEL EXCEEDANCES
YATES COUNTY - TORREY LANDFILL (CLOSED)
LOWER AQUIFER GROUNDWATER

PARAMETER	Lower Aquifer Action Level	LOWER AQUIFER MONITORING WELL LOCATION							
		MW-4D		MW-8D		MW-12D		-	
		2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER
COD	78 mg/L	-	141	-	-	-	-		
Chloride	11 mg/L	-	-	33.6	35.1	-	-		

Figures



Sources: Well Network - B&L;
 Aerial Photo - ESRI Map Service (Bing Maps)

Legend

- ▲ Well Network



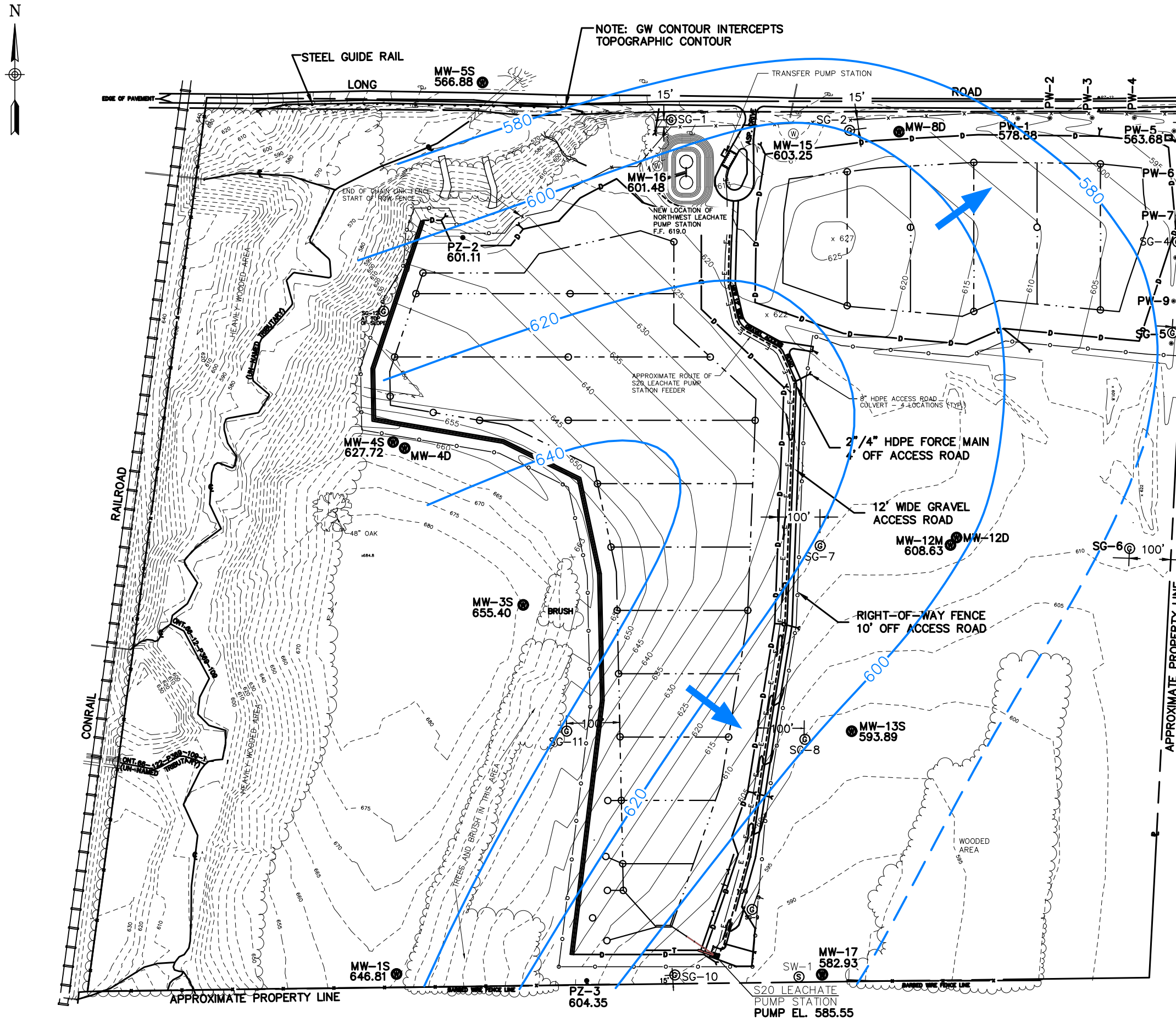
1 inch = 300 feet

Torrey Landfill
Site Map
 Yates County
 New York

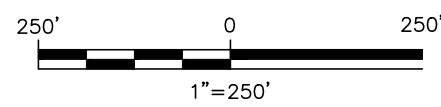
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 171.030.022

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- LEGEND**
- PW-5 ● PUMP WELL W/ DESIGNATION
 - ○ — UTILITY POLE
 - - - - - EXISTING CONTOURS
 - MW-9S ● OLD MONITORING WELL
 - — — — — GAS VENT TRENCH
 - MW-17 ● NEW MONITORING WELL WITH DESIGNATION
 - — — — — ANCHOR TRENCH
 - — — — — UNITS IN FEET ABOVE MEAN SEA LEVEL
 - - - - - PROP. 6' CHAIN LINK FENCE
 - - - - - PROP. RIGHT-OF-WAY FENCE
 - ⊙ xxx EXPLOSIVE GAS MONITORING LOCATION (APPROXIMATE)
 - ⊕ xxx SURFACE WATER MONITORING LOCATION
 - ⊖ xxx PIEZOMETER LOCATION.
 - - - - - 600- GROUNDWATER CONTOURS (DASHED WHERE INFERRED)



BASE MAPPING PROVIDED BY ENSR AND GALSON/LOZIER ENGINEERS, MARCH 1999.

TORREY LANDFILL
LONG POINT ROAD

**UPPER AQUIFER MONITORING POINTS
GROUNDWATER CONTOURS - JUNE 2022**

TOWN OF TORREY
YATES COUNTY, NEW YORK

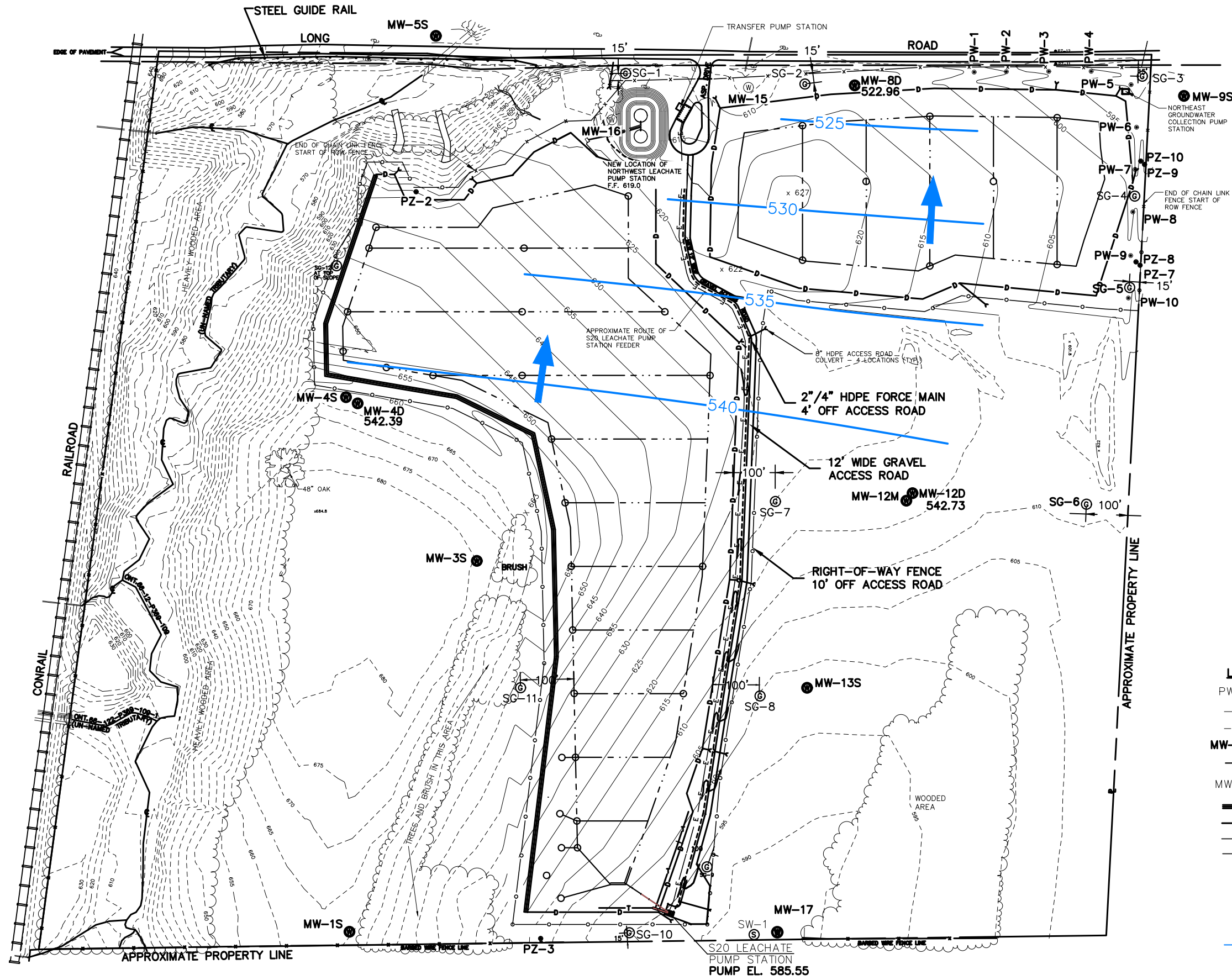
B & L

443 Electronics Parkway
Liverpool, NY
13088

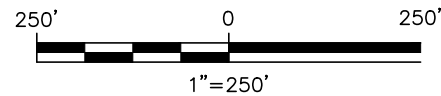
Barton & Loguidice, D.P.C.

Date	MARCH 2023
Scale	AS SHOWN
Figure Number	2
Project Number	171.030.022

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- LEGEND**
- PW-5 ● PUMP WELL W/ DESIGNATION
 - ○ — UTILITY POLE
 - - - - - EXISTING CONTOURS
 - MW-9S ● OLD MONITORING WELL
 - ○ — GAS VENT TRENCH
 - MW-17 (W) NEW MONITORING WELL WITH DESIGNATION
 - — — — — ANCHOR TRENCH
 - ○ — UNITS IN FEET ABOVE MEAN SEA LEVEL
 - x — PROP. 6' CHAIN LINK FENCE
 - ○ — PROP. RIGHT-OF-WAY FENCE
 - ⊙ xxx EXPLOSIVE GAS MONITORING LOCATION (APPROXIMATE)
 - ⊕ xxx SURFACE WATER MONITORING LOCATION
 - x PIEZOMETER LOCATION.
 - - - - - 600' GROUNDWATER CONTOURS (DASHED WHERE INFERRED)



BASE MAPPING PROVIDED BY ENSR AND GALSON/LOZIER ENGINEERS, MARCH 1999.

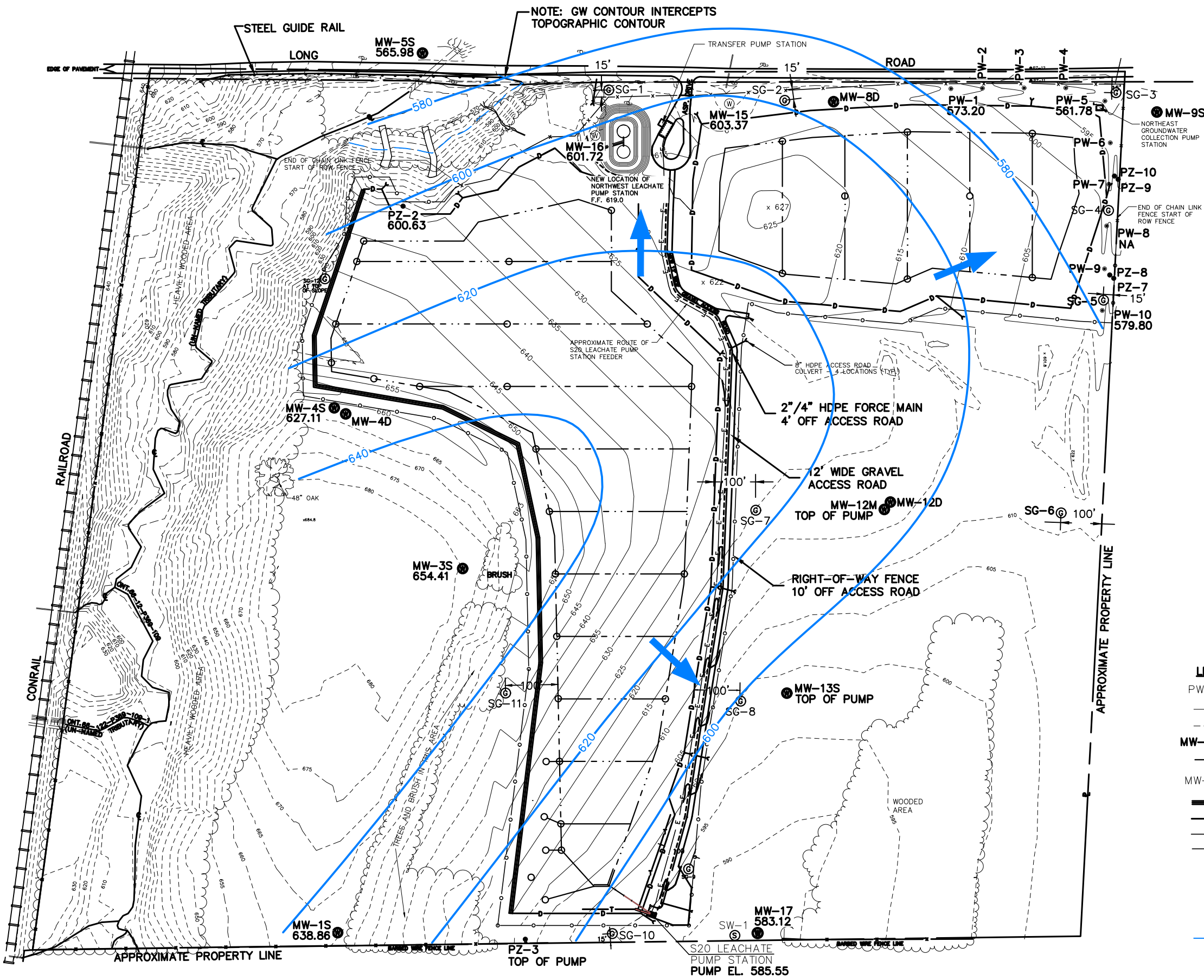
TORREY LANDFILL
 LONG POINT ROAD
LOWER AQUIFER MONITORING POINTS
GROUNDWATER CONTOURS - JUNE 2022

B&L
 443 Electronics Parkway
 Liverpool, NY
 13088
Barton & Loguidice, D.P.C.

Date	MARCH 2023
Scale	AS SHOWN
Figure Number	3
Project Number	171.030.022

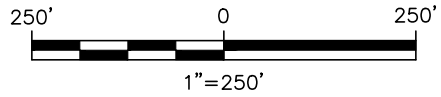
TOWN OF TORREY
 YATES COUNTY, NEW YORK

Plotted: Mar 19, 2023 - 12:31PM SYR By: bas
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LEGEND

- PW-5 ● PUMP WELL W/ DESIGNATION
- ○ — UTILITY POLE
- - - - - EXISTING CONTOURS
- MW-9S ● OLD MONITORING WELL
- — — — — GAS VENT TRENCH
- MW-17 (W) NEW MONITORING WELL WITH DESIGNATION
- — — — — ANCHOR TRENCH
- — — — — UNITS IN FEET ABOVE MEAN SEA LEVEL
- - - - - PROP. 6' CHAIN LINK FENCE
- - - - - PROP. RIGHT-OF-WAY FENCE
- ⊙ xxx EXPLOSIVE GAS MONITORING LOCATION (APPROXIMATE)
- ⊙ xxx SURFACE WATER MONITORING LOCATION
- ⊙ xxx PIEZOMETER LOCATION.
- - - - - 600' GROUNDWATER CONTOURS (DASHED WHERE INFERRED)



BASE MAPPING PROVIDED BY ENSR AND GALSON/LOZIER ENGINEERS, MARCH 1999.

TORREY LANDFILL
LONG POINT ROAD

**UPPER AQUIFER MONITORING POINTS
GROUNDWATER CONTOURS - DECEMBER 2022**

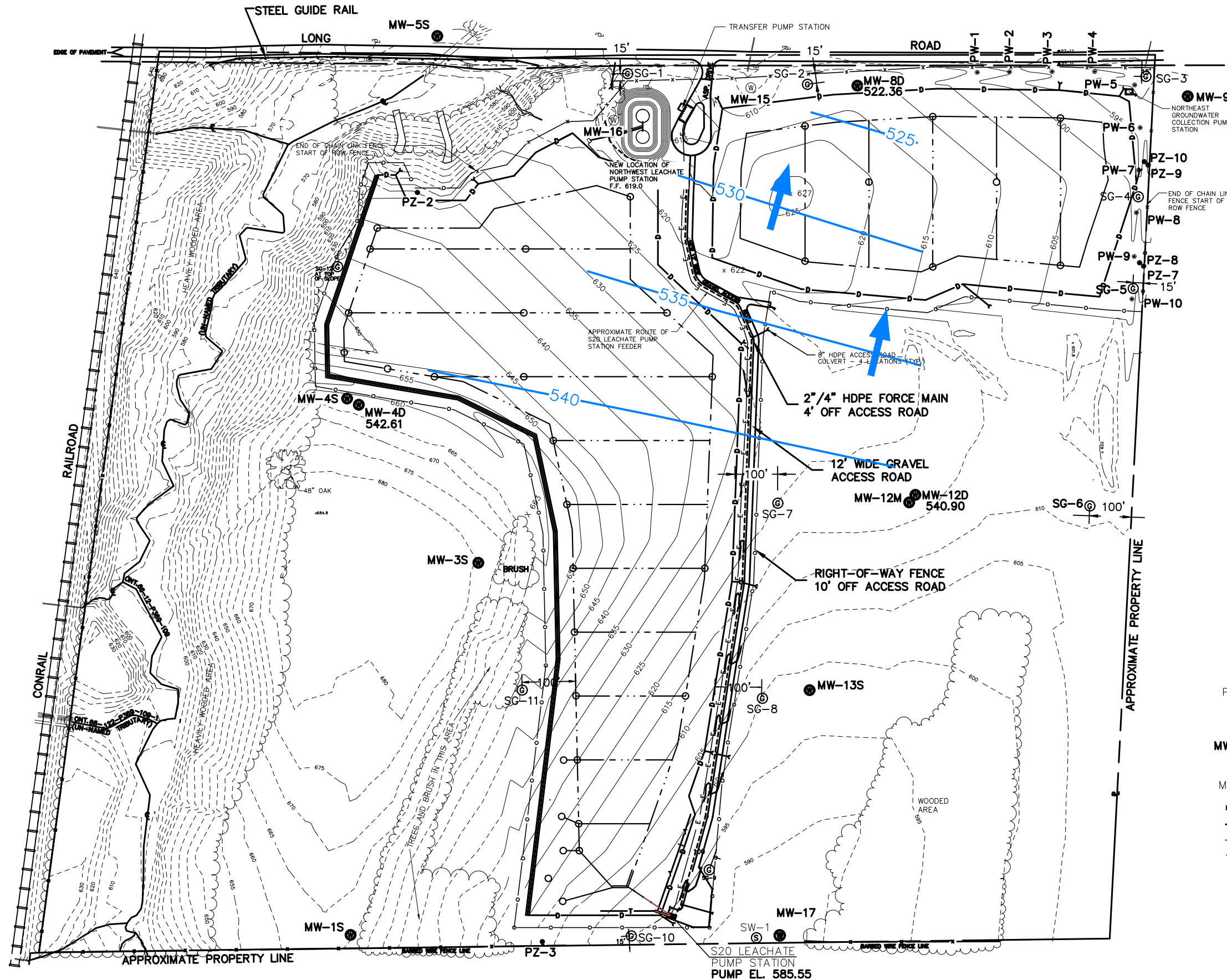
TOWN OF TORREY
YATES COUNTY, NEW YORK

443 Electronics Parkway
Liverpool, NY
13088

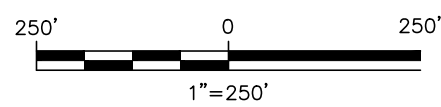
Barton & Loguidice, D.P.C.

Date	MARCH 2023
Scale	AS SHOWN
Figure Number	4
Project Number	171.030.022

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- LEGEND**
- PW-5 ● PUMP WELL W/ DESIGNATION
 - UTILITY POLE
 - - - - - EXISTING CONTOURS
 - MW-9S ● OLD MONITORING WELL
 - GAS VENT TRENCH
 - MW-17 (W) NEW MONITORING WELL WITH DESIGNATION
 - ANCHOR TRENCH
 - UNITS IN FEET ABOVE MEAN SEA LEVEL
 - - - - - PROP. 6' CHAIN LINK FENCE
 - - - - - PROP. RIGHT-OF-WAY FENCE
 - ⊙xxx EXPLOSIVE GAS MONITORING LOCATION (APPROXIMATE)
 - ⊙xxx SURFACE WATER MONITORING LOCATION
 - xxx PIEZOMETER LOCATION.
 - - - - - 600' GROUNDWATER CONTOURS (DASHED WHERE INFERRED)



BASE MAPPING PROVIDED BY ENSR AND GALSON/LOZIER ENGINEERS, MARCH 1999.

TORREY LANDFILL
 LONG POINT ROAD

LOWER AQUIFER MONITORING POINTS
 GROUNDWATER CONTOURS - DECEMBER 2022

YATES COUNTY, NEW YORK

TOWN OF TORREY

B&L
 Barton & Loguidice, D.P.C.
 443 Electronics Parkway
 Liverpool, NY
 13088

Date	MARCH 2023
Scale	AS SHOWN
Figure Number	5
Project Number	171.030.022

Appendix A



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells LAB ID 9

SAMPLE POINT ID MW-15

PURGE INFORMATION

Well Depth (ft.) 30.24 Purge Date 6/22/2022 Purge Method Bailer

SWL (ft.) 15.89 Start Time 0933 Stop Time 0947

Standing Water (ft.) 14.35 Volume Purged gal. 6.9 # casings 3.0

Well Constant (gal/ft.) 0.163 Observations Turbid Tan

Well Volume (gal.) 2.3

SAMPLING INFORMATION

Sample Method Bailer

Date 6/23/2022 Time 0940 SWL 18.51

Appearance Light Turbid to Light Turbid Tan

Weather Conditions Partly Cloudy 70°

Sampling Technician (Print) Quinten Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	8.12	8.11
Myron 6p	Conductivity	µmhos/cm	732	732
Myron 6p	Temperature	Degrees Celsius	10.3	10.3
Myron 6p	Redox	millivolts	-22	—
Lamotte	Turbidity	NTU	18.0	—

Calibration Date/Time 6/23/2022 0820 pH = _____ Conductivity = _____

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells LAB ID 10

SAMPLE POINT ID MW-35

PURGE INFORMATION

Well Depth (ft.) 37.60 Purge Date 6/22/2022 Purge Method Bailer

SWL (ft.) 24.75 Start Time 1006 Stop Time 1014

Standing Water (ft.) 12.85 Volume Purged gal. 4.0 # casings 1.9 to Dry

Well Constant (gal/ft.) 0.163 Observations Turbid Gray/Tan

Well Volume (gal.) 2.1

SAMPLING INFORMATION

Sample Method Bailer

Date 6/23/2022 Time 1010 SWL 36.00

Appearance Clear to Turbid Tan/gray

Weather Conditions Mostly Sunny 70°

Sampling Technician (Print) Quinton Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.62	7.62
Myron 6p	Conductivity	µmhos/cm	909	909
Myron 6p	Temperature	Degrees Celsius	12.3	12.3
Myron 6p	Redox	millivolts	126	—
Lamotte	Turbidity	NTU	5.1	—

Calibration Date/Time 6/23/2022 0920 pH = _____ Conductivity = _____

OBSERVATIONS
Turbidity = _____



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells LAB ID 12

SAMPLE POINT ID MW-45

PURGE INFORMATION

Well Depth (ft.) 40.95 Purge Date 6/22/2022 Purge Method ^{OK 2022} ~~Bailer~~ waterera
 SWL (ft.) 35.33 Start Time 1107 Stop Time 1109
 Standing Water (ft.) 5.62 Volume Purged gal. 2.7 # casings 3.0
 Well Constant (gal/ft.) 0.163 Observations Tan tint to Turbid
 Well Volume (gal.) 0.9 Tan

SAMPLING INFORMATION

Sample Method ^{OK 2022} ~~Bailer~~ Waterera
 Date ^{OK 2022} 6/23/2022 Time 1105 SWL 35.72
 Appearance Light Turbid Tan to Turbid Gray
 Weather Conditions Mostly Cloudy 70°
 Sampling Technician (Print) Quintan Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.78	6.78
Myron 6p	Conductivity	µmhos/cm	1233	1233
Myron 6p	Temperature	Degrees Celsius	11.7	11.7
Myron 6p	Redox	millivolts	146	—
Lamotte	Turbidity	NTU	13.8	—

Calibration Date/Time 6/23/2022 0820 pH = _____ Conductivity = _____

OBSERVATIONS

Turbidity = _____
Well may have been hit by mower, bailer unable to be used
so waterera was used.



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Semi Annual WELL ID MW-55 LAB ID 20
 DATE 6/23/22 INITIAL SWL 7.92 CREW KL/PK SAMPLE TIME 1340
 DEVICE QED MP 50 WEATHER P. Cloudy 80'

TIME	SWL	FLOW	PH	COND	TEMP-c	REDOX	TURBIDITY	D.O. mg/L
1320	7.92	120	-	-	-	-	-	-
1325	7.12	120	6.92	1484	11.9	-150	11.8	0.70
1330	7.12	120	6.92	1483	11.9	-154	10.1	0.47
1335	7.12	120	6.92	1482	11.9	-152	4.2	0.42
1340	7.12	120	6.93	1478	11.9	-148	5.8	0.42

Flow rates in ml/min

Calibration: 6/23/22 Time: 1000

pH =

Conductivity =

OBSERVATIONS:

Turbidity =



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Semi Annual WELL ID MW-12 M LAB ID Torrey 3
 DATE 6/22/22 INITIAL SWL 10.72 CREW KL SAMPLE TIME 1230
 DEVICE QED MP 50 WEATHER Hazy 90'

TIME	SWL	FLOW	PH	COND	TEMP. _c	REDOX	TURBIDITY	D.O. mg/L
H-1205	10.72	120	—	—	—	—	—	—
1215	15.18	120	7.72	615	12.3	-119	0.5	1.03
1220	18.42	120	7.83	595	12.3	-124	0.4 0.75	0.78
1225	20.76	120	7.83	596	12.3	-123	0.3	0.71
1230	22.45	120	7.80	596	12.3	-120	0.7	0.76

Flow rates in ml/min

Calibration: 6/22/22 Time: 1000

pH =

Conductivity =

Turbidity =

OBSERVATIONS:



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Semi Annual WELL ID NW-135 LAB ID 34 KL
6/22
 DATE 6/22/22 INITIAL SWL 7.01 CREW KL SAMPLE TIME 1305
 DEVICE QED MP 50 WEATHER Hazy 90

TIME	SWL	FLOW	PH	COND	TEMP-c	REDOX	TURBIDITY	D.O. mg/L
1240	7.01	120	-	-	-	-	-	-
1250	8.08	120	7.15	727	14.2	35	0.5	0.84
1255	8.45	120	7.09	722	14.2	32	1.0	0.67
1300	9.04	120	7.04	720	14.2	24	0.7	0.76
1305	9.89	120	7.02	725	14.2	28	1.1	0.90

Flow rates in ml/min

Calibration: 6/22/22 Time: 1000

pH =

Conductivity =

OBSERVATIONS:

Turbidity =



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-anneal wells LAB ID 14 + 15 QC

SAMPLE POINT ID MW-16 QC

PURGE INFORMATION

Well Depth (ft.) 22.06 Purge Date 6/22/2022 Purge Method Baier

SWL (ft.) 17.02 Start Time 1157 Stop Time 1201

Standing Water (ft.) 5.04 Volume Purged gal. 2.4 # casings 3.0

Well Constant (gal/ft.) 0.163 Observations Turbid Tan

Well Volume (gal.) 0.8

SAMPLING INFORMATION

Sample Method Baier

Date 6/23/2022 Time 1200 SWL 17.03

Appearance Light Turbid Tan to Turbid Tan

Weather Conditions Cloudy 70°

Sampling Technician (Print) Bruce Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.20	7.19
Myron 6p	Conductivity	µmhos/cm	698	698
Myron 6p	Temperature	Degrees Celsius	11.4	11.4
Myron 6p	Redox	millivolts	136	—
Lamotte	Turbidity	NTU	26.6	—

Calibration Date/Time 6/23/2022 0820 pH = _____ Conductivity = _____

OBSERVATIONS

Turbidity = _____



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Semi Annual WELL ID MW-17 LAB ID Torrey 2

DATE 6/22/22 INITIAL SWL 5.17 CREW KL SAMPLE TIME 1155

DEVICE QED MP 50 WEATHER 90 Hazy

TIME	SWL	FLOW	PH	COND	TEMP.c	REDOX	TURBIDITY	D.O. mg/L
1135	5.17	—	—	—	—	—	—	—
1145	7.60	120	7.07	1686	12.8	-8	1.0	2.51
1150	9.90	126	7.04	1686	12.9	11	0.6	2.66
1155	11.00	120	7.05	1696	13.0	24	0.6	2.68

Flow rates in ml/min

Calibration: 6/22/22 Time: 1000

pH =

Conductivity =

OBSERVATIONS:

Turbidity =



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells LAB ID 13

SAMPLE POINT ID P2-2

PURGE INFORMATION

Well Depth (ft.) 37.14 Purge Date 6/22/2022 Purge Method Bailer

SWL (ft.) 34.74 Start Time 1143 Stop Time 1147

Standing Water (ft.) 2.40 Volume Purged gal. 1.2 # casings 3.0

Well Constant (gal/ft.) 0.163 Observations Light Turbid Tan Tint

Well Volume (gal.) 0.4

SAMPLING INFORMATION

Sample Method Bailer

Date 6/23/2022 Time 1135 SWL 34.74

Appearance clear to Light Turbid Tan

Weather Conditions cloudy 70°

Sampling Technician (Print) Quinten Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.77	6.76
Myron 6p	Conductivity	µmhos/cm	3148	3148
Myron 6p	Temperature	Degrees Celsius	12.4	12.4
Myron 6p	Redox	millivolts	-95	-
Lamotte	Turbidity	NTU	3.1	-

Calibration Date/Time 6/23/2022 0820 pH = _____ Conductivity = _____

OBSERVATIONS
Turbidity = _____



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Semi Annual WELL ID PW-1 LAB ID 17

DATE 6/23/22 INITIAL SWL 22.82 CREW KL SAMPLE TIME 1120

DEVICE QED MP 50 WEATHER P. Cloudy 75'

TIME	SWL	FLOW	PH	COND	TEMP-c	REDOX	TURBIDITY	D.O. mg/L
1100	22.82	120	—	—	—	—	—	—
1110	24.08	120	6.65	1450	12.6	66	0.8	0.52
1115	24.42	120	6.64	1453	12.5	63	0.2	0.46
1120	24.90	120	6.64	1454	12.5	56	0.4	0.47

Flow rates in ml/min

Calibration: 6/23/22 Time: 1000 pH = _____ Conductivity = _____

Turbidity = _____

OBSERVATIONS:



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Semi Annual WELL ID PW-5 LAB ID 6

DATE 6/23/22 INITIAL SWL 23.22 CREW KL SAMPLE TIME 1045

DEVICE QED MP 50 WEATHER P. Cloudy 75'

TIME	SWL	FLOW	PH	COND	TEMP-c	REDOX	TURBIDITY	D.O. mg/L
1030	23.22	120	-	-	-	-	-	-
1030	24.42	120	6.62	876	10.4	87	1.8	0.46
1035	24.42	120	6.58	876	10.4	97	1.9	0.43
1040	24.42	120	6.52	874	10.5	101	2.3	0.44
1045	24.42	120	6.54	873	10.5	94	3.3	0.45

Flow rates in ml/min

Calibration: 6/23/22 Time: 1000

pH = 7.00 4.00 10.06 Conductivity = 0.0 to 0.6
100 to 10.0

OBSERVATIONS:



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells LAB ID _____

SAMPLE POINT ID PW-8

PURGE INFORMATION

Well Depth (ft.) 23.83 Purge Date 6/22/2022 Purge Method Pump

SWL (ft.) 21.29 Start Time 0826 Stop Time 0827

Standing Water (ft.) 2.56 Volume Purged gal. 1.7 # casings 1.0 to Dry

Well Constant (gal/ft.) 0.653 Observations Dark Gray Tint

Well Volume (gal.) 1.7

SAMPLING INFORMATION

Sample Method Batter

Date 6/23/2022 Time 0825 SWL _____

Appearance _____

Weather Conditions _____

Sampling Technician (Print) Quinten Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		
Myron 6p	Redox	millivolts		—
Lamotte	Turbidity	NTU		—

Calibration Date/Time 6/23/2022 0820 pH = 7.00/4.00/10.00 Conductivity = 1413 set 1413

OBSERVATIONS

Turbidity = 0.0/10.0

NO SAMPLE, INADEQUATE RECHARGE



LOW FLOW MONITORING REPORT

SITE ID Tameto 04-2 SemiAnnual WELL ID PW-10 LAB ID 5

DATE 6/22/22 INITIAL SWL 24.92 CREW KL/PK SAMPLE TIME 1350

DEVICE QED MP 50 WEATHER 91 Hazy

TIME	SWL	FLOW	PH	COND	TEMP. ^c	REDOX	TURBIDITY	D.O. mg/L
1330	24.92	120	—	—	—	—	—	—
1340	25.80	120	7.19	704	11.8	90	0.8	4.67
1345	26.25	120	7.17	695	11.8	96	0.5	4.83
1350	26.68	120	7.15	702	11.8	100	0.2	4.72

Flow rates in ml/min

Calibration: 6/22/22 Time: 1000

pH = Conductivity =

OBSERVATIONS: Turbidity =



FIELD MONITORING REPORT

PROJECT Torrey Landfill semi-annual wells LAB ID 11

SAMPLE POINT ID MW-4D

PURGE INFORMATION

Well Depth (ft.) 131.42 Purge Date 6/22/2022 Purge Method Bailer

SWL (ft.) 120.11 Start Time 1011 Stop Time 1031

Standing Water (ft.) 11.31 Volume Purged gal. 5.4 # casings 3.0

Well Constant (gal/ft.) 0.163 Observations Yellow Tint to

Well Volume (gal.) 1.8 Gray Turb'd

SAMPLING INFORMATION

Sample Method Bailer

Date 6/23/2022 Time 1030 SWL 120.83

Appearance Light Turbid Tan to Turbid Gray

Weather Conditions Partly cloudy 70°

Sampling Technician (Print) Quinton Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.61	7.61
Myron 6p	Conductivity	µmhos/cm	1236	1235
Myron 6p	Temperature	Degrees Celsius	12.3	12.5
Myron 6p	Redox	millivolts	-39	—
Lamotte	Turbidity	NTU	22.2	—

Calibration Date/Time 6/23/2022 0820 pH = _____ Conductivity = _____

OBSERVATIONS



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Semi Annual WELL ID MW-8D LAB ID 18
 DATE 6/23/22 INITIAL SWL 92.39 CREW KL SAMPLE TIME 1210
 DEVICE QED MP 50 WEATHER P. Sun 75'

TIME	SWL	FLOW	PH	COND	TEMP-c	REDOX	TURBIDITY	D.O. mg/L
1140	92.39	120	—	—	—	—	—	—
1150								
1155	93.86	120	7.05	866	14.9	-106	3.7	0.80
1200	94.13	120	7.08	867	14.9	-115	8.8	0.63
1205	94.13	120	7.06	867	14.9	-117	9.0	0.60
1210	94.13	120	7.06	868	14.9	-117	9.6	0.68

Flow rates in ml/min

Calibration: 6/23/22 Time: 1000 pH = _____ Conductivity = _____
 OBSERVATIONS: Turbidity = _____



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells LAB ID 7 + 8 Dup

SAMPLE POINT ID MW-12 D Dup

PURGE INFORMATION

Well Depth (ft.) 98.98 Purge Date 6/22/2022 Purge Method Bailer

SWL (ft.) 77.07 Start Time 0847 Stop Time 0903

Standing Water (ft.) 21.91 Volume Purged gal. 3.6 # casings 1.0 to Dry

Well Constant (gal/ft.) 0.163 Observations Clear to Top Test to

Well Volume (gal.) 3.6 Turbid Top

SAMPLING INFORMATION

Sample Method Bailer

Date 6/23/2022 Time 0855 SWL 83.25

Appearance Clear

Weather Conditions Cloudy 70°

Sampling Technician (Print) Quintan Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	11.69	11.61
Myron 6p	Conductivity	µmhos/cm	1138	1141
Myron 6p	Temperature	Degrees Celsius	15.8	15.9
Myron 6p	Redox	millivolts	74	63
Lamotte	Turbidity	NTU	4.3	4.0

Calibration Date/Time 6/23/2022 0820 pH = _____ Conductivity = _____

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Torrey landfill semi-annual wells LAB ID

SAMPLE POINT ID UPstream

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method _____

Date 6/22/2022 Time _____ SWL _____

Appearance _____

Weather Conditions _____

Sampling Technician (Print) Quinton Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		
Myron 6p	Redox	millivolts		
Lamotte	Turbidity	NTU		

Calibration Date/Time / / pH = _____ Conductivity = _____

OBSERVATIONS

Turbidity = _____

NO SAMPLE, POINT IS DRY



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells LAB ID 22

SAMPLE POINT ID Downstream

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Grab

Date 6/22/2022 Time 1245 SWL _____

Appearance Tan Tint

Weather Conditions Sunny 90°

Sampling Technician (Print) Quinten Kolbea Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.93	7.93
Myron 6p	Conductivity	µmhos/cm	794	795
Myron 6p	Temperature	Degrees Celsius	17.8	17.8
Myron 6p	Redox	millivolts	146	—
Lamotte	Turbidity	NTU	4.5	—

Calibration Date/Time 6/22/2022 1225 pH = 7.00/4.00/10.00 Conductivity = 1413 set 1412

OBSERVATIONS

DO: 7.54 mg/L



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells LAB ID 18

SAMPLE POINT ID MW-15

PURGE INFORMATION

Well Depth (ft.) 30.22 Purge Date 12/12/2022 Purge Method Bailer

SWL (ft.) 23.84 Start Time 1239 Stop Time 1245

Standing Water (ft.) 6.38 Volume Purged gal. 3.0 # casings 3.0

Well Constant (gal/ft.) 0.163 Observations Clear to Turbid

Well Volume (gal.) 1.0 Gray

SAMPLING INFORMATION

Sample Method Bailer

Date 12/13/2022 Time 1220 SWL 24.98

Appearance Light Turbid Tan

Weather Conditions Sunny 30°

Sampling Technician (Print) Quinten Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.13	7.14
Myron 6p	Conductivity	µmhos/cm	704	704
Myron 6p	Temperature	Degrees Celsius	10.7	10.7
Myron 6p	Redox	millivolts	160	—
Lamotte	Turbidity	NTU	36.5	—

Calibration Date/Time 12/13/2022 0930

pH =

Conductivity =

OBSERVATIONS

Turbidity =



FIELD MONITORING REPORT

PFAS + 1,4 Dioxane
34

PROJECT Torrey Landfill Semi-annual wells LAB ID 17

SAMPLE POINT ID MW-3s

PURGE INFORMATION

Well Depth (ft.) 37.61 Purge Date 12/12/2022 Purge Method Baier

SWL (ft.) 25.74 Start Time 1205 Stop Time 1211

Standing Water (ft.) 11.87 Volume Purged gal. 3.5 # casings 1.8 to Dry

Well Constant (gal/ft.) 0.163 Observations Clear to Turb'id

Well Volume (gal.) 19 Tan

SAMPLING INFORMATION

Sample Method Baier

Date 12/13/2022 Time 1140 SWL 36.56

Appearance Clear to Turb'id Tan

Weather Conditions Sunny 30°

Sampling Technician (Print) Quintan Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.02	7.02
Myron 6p	Conductivity	µmhos/cm	972	973
Myron 6p	Temperature	Degrees Celsius	10.5	10.5
Myron 6p	Redox	millivolts	119	—
Lamotte	Turbidity	NTU	4.3	—

Calibration Date/Time 12/13/2022 0930

pH =

Conductivity =

OBSERVATIONS

Turbidity =

EC was completed on well.



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells LAB ID 15

SAMPLE POINT ID MW-45

PURGE INFORMATION

Well Depth (ft.) 40.95 Purge Date 12/12/2022 Purge Method Watera

SWL (ft.) 35.94 Start Time 1040 Stop Time 1042

Standing Water (ft.) 5.01 Volume Purged gal. 1.0 # casings 1.1 to Dry

Well Constant (gal/ft.) 0.163 Observations Clear to Turbid

Well Volume (gal.) 0.8 Tan / Brown

SAMPLING INFORMATION

Sample Method Watera

Date 12/13/2022 Time 1040 SWL 36.35

Appearance Turbid Tan to Clear

Weather Conditions Sunny 30°

Sampling Technician (Print) Quinten Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.53	6.53
Myron 6p	Conductivity	µmhos/cm	1225	1225
Myron 6p	Temperature	Degrees Celsius	10.5	10.5
Myron 6p	Redox	millivolts	42	—
Lamotte	Turbidity	NTU	13.4	—

Calibration Date/Time 12/13/2022 0930

pH =

Conductivity =

OBSERVATIONS

Turbidity =



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Wells WELL ID MW-55 LAB ID 11

DATE 12/13/22 INITIAL SWL 8.82 CREW KL, KF SAMPLE TIME 1435

DEVICE QED MP 50 WEATHER Sun 20

TIME	SWL	FLOW	PH	COND	TEMP ^c	REDOX	TURBIDITY	D.O. mg/L
1400	8.82	120	-	-	-	-	-	-
1410	11.65	120	6.99	1462	10.6	-122	31.1	1.33
1415	13.50	120	6.99	1460	10.7	-116	30.3	0.86
1420	14.86	120	7.02	1439	10.8	-110	23.8	0.75
1425	16.40	120	7.00	1420	10.8	-102	19.8	0.69
1430	17.82	120	7.02	1405	10.9	-96	16.5	0.71
1435	19.06	120	7.02	1400	10.9	-93	15.1	0.73

Flow rates in ml/min

Calibration: 12/13/22 Time: 1245

pH =

Conductivity =

OBSERVATIONS:

Turbidity =



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID MW-12M LAB ID 6

DATE 12/13/22 INITIAL SWL N/A See Below CREW KF, KL SAMPLE TIME 1100

DEVICE QED MP 50 WEATHER 24°F Sunny

See Below

TIME	SWL	FLOW	PH	COND	TEMP.°c	REDOX	TURBIDITY	D.O. mg/L
0945		120	-	-	-	-	-	-
0950		120	7.48	696	9.4	-39	3.0	3.38
0955		120	7.32	677	9.7	-73	2.2	1.95
1000		120	7.27	679	9.7	-68	2.1	1.26
1005		120	7.25	679	9.7	-58	1.5	0.91
1010		120	7.31	674	9.7	-65	1.3	0.92
1015		120	7.37	672	9.7	-64	1.8	1.01
1020		120	7.42	650	9.7	-68	1.3	1.51
1025		120	7.51	636	9.7	-60	1.3	2.20
1030		120	7.50	629	9.7	-54	^{KF} 2.5 1.4	2.57
1035		120	7.36	617	9.7	-49	1.2	2.97
1040		120	7.54	628	9.7	-52	1.2	3.00
1045		120	7.54	656	9.7	-77	1.2	1.72
1050		120	7.36	671	9.7	-80	1.3	1.37
1055		120	7.39	679	9.7	-85	0.9	0.97
1100		120	7.43	687	9.7	-90	1.4	0.79
1105 ^{KF}		120 ^{KF}						

Flow rates in ml/min

Calibration: 12/13/22 Time: 0940 pH = 7.00 4.00 10.00 Conductivity = 1414 Set to 1414

OBSERVATIONS: Turbidity = 0.0/10.0

SWL below Top of bladder pump at 9:48. NO SWL Possible



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID MW-135 LAB ID 5

DATE 12/12/22 INITIAL SWL See Below CREW KL, KF SAMPLE TIME 1420

DEVICE QED MP 50 WEATHER 28°F cloudy

See Below

TIME	SWL	FLOW	PH	COND	TEMP _c	REDOX	TURBIDITY	D.O. mg/L
1200		120	-	-	-	-	-	-
1205		120	7.49	736	9.9	92	13.0	5.75
1210		120	7.31	740	9.8	97	14.6	5.32
1215		120	7.46	744	9.7	109	12.5	4.29
1220		120	7.25	742	9.7	114	9.9	3.46
1225		120	7.29	741	9.5	120	7.1	2.74
1230		120	7.31	743	9.4	120	7.8	3.22

Flow rates in ml/min

Calibration: 12/12/22 Time: 0925 pH = _____ Conductivity = _____

OBSERVATIONS: Turbidity = _____

Initial SWL below top of the bladder pump, unable to measure. Well went dry after stabilizing. Allowed to recharge prior to sampling.

* EC Sampling to be completed 12/13-14 via purge/sample. See other field form



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID MW-15 LAB ID 2

DATE 12/12/22 INITIAL SWL 3.33 CREW KF, KL SAMPLE TIME 115

DEVICE QED MP 50 WEATHER 28°F Flurries

TIME	SWL	FLOW	PH	COND	TEMP.c	REDOX	TURBIDITY	D.O. mg/L
10410	3.33	120	-	-	-	-	-	-
1045	5.51	120	7.44	898	11.3	40	62.6	2.90
1050	6.69	120	6.89	919	11.0	-3	60.1	0.85
1055	7.11	120	6.87	920	10.9	-38	33.4	0.49
1100	7.65	120	6.86	934	11.0	-60	15.4	0.36
1105	7.81	120	6.83	937	11.0	-68	10.3	0.33
1110	7.92	120	6.83	940	11.1	-75	5.3	0.32
1115	8.05	120	6.81	943	11.2	-77	3.6	0.29

Flow rates in ml/min

Calibration: 12/12/22 Time: 0925

pH =

Conductivity =

OBSERVATIONS:

Turbidity =



FIELD MONITORING REPORT

PFAS QC
31 + 32 QC

PROJECT Torrey Landfill semi-annual wells LAB ID 12 + 13 QC

SAMPLE POINT ID MW-16

PURGE INFORMATION

Well Depth (ft.) 22.05 Purge Date 12/12/2022 Purge Method Bailer
 SWL (ft.) 16.78 Start Time 0937 Stop Time 0941
 Standing Water (ft.) 5.27 Volume Purged gal. 2.7 # casings 3.0
 Well Constant (gal/ft.) 0.163 Observations Turbid Tan
 Well Volume (gal.) 0.9

SAMPLING INFORMATION

Sample Method Bailer
 Date 12/13/2022 Time 0940 SWL 16.84
 Appearance clear to turbid tan
 Weather Conditions Sunny 25°
 Sampling Technician (Print) Quinten Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.03	7.03
Myron 6p	Conductivity	µmhos/cm	742	742
Myron 6p	Temperature	Degrees Celsius	11.7	11.7
Myron 6p	Redox	millivolts	143	-
Lamotte	Turbidity	NTU	9.2	-

Calibration Date/Time 12/13/2022 0930 pH = 7.00/4.00/10.00 Conductivity = 1414 set 1414

OBSERVATIONS

Turbidity = 0.0/10.0
EC was completed on well



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID ^{MW-17} ~~MW-175~~ ^{KL 12/12} LAB ID 3

DATE 12/12/22 INITIAL SWL 4.98 CREW KF, KL SAMPLE TIME 1315

DEVICE QED MP 50 WEATHER 28°F Overcast

TIME	SWL	FLOW	PH	COND	TEMP.°C	REDOX	TURBIDITY	D.O. mg/L
1255	4.98	120	-	-	-	-	-	-
1300	7.90	120	7.22	1639	10.2	^{KF5} 137	1.9	5.82
1305	9.88	120	7.22	1646	10.1	127	1.8	5.00
1310	11.00	120	7.20	1652	10.0	123	1.7	4.76
1315	11.00	120	7.21	1655	10.1	122	1.6	4.61

Flow rates in ml/min

Calibration: 12/12/22 Time: 0925

pH =

Conductivity =

OBSERVATIONS:

Turbidity =



FIELD MONITORING REPORT

PROJECT Torrey Landfill semi-annual wells LAB ID 14

SAMPLE POINT ID PZ-2

PURGE INFORMATION

Well Depth (ft.) 37.14 Purge Date 12/12/2022 Purge Method Bayer

SWL (ft.) 35.22 Start Time 1011 Stop Time 1016

Standing Water (ft.) 1.92 Volume Purged gal. 0.9 # casings 3.0

Well Constant (gal/ft.) 0.163 Observations Turbid Tan

Well Volume (gal.) 0.3

SAMPLING INFORMATION

Sample Method Bayer

Date 12/13/2022 Time 1015 SWL 35.39

Appearance Clear to Light Turbid Tan

Weather Conditions Sunny 25°

Sampling Technician (Print) Quinten Kolbase Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.71	6.71
Myron 6p	Conductivity	µmhos/cm	3146	3145
Myron 6p	Temperature	Degrees Celsius	10.2	10.2
Myron 6p	Redox	millivolts	-39	—
Lamotte	Turbidity	NTU	9.7	—

Calibration Date/Time 12/13/2022 0930

pH =

Conductivity =

OBSERVATIONS

Turbidity =



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID PZ-3 LAB ID 4

DATE 12/12/22 INITIAL SWL See Below CREW KF, KL SAMPLE TIME 1355

DEVICE QED MP 50 WEATHER 30°F Overcast

See Below

TIME	SWL	FLOW	PH	COND	TEMP.°c	REDOX	TURBIDITY	D.O. mg/L
1335		120	-	-	-	-	-	-
1340		120	7.13	1372	10.0	159	3.2	8.86
1345		120	7.03	1418	10.3	161	2.0	8.65
1350		120	7.02	1508	10.3	163	1.7	8.53
1355		120	7.05	1626	10.3	167	1.2	8.34
1400 ^{KF}		120 KF						

Flow rates in ml/min

Calibration: 12/12/22 Time: 0925 pH = _____ Conductivity = _____

OBSERVATIONS: _____ Turbidity = _____

Initial SWL at top of the bladder pump with a reading of 9.25. Unable to measure any deeper.



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Wells WELL ID PW-1 ^{KL 12/13} ~~PW-2~~ LAB ID 10
 DATE 12/13/22 INITIAL SWL 28.50 CREW KL, KF SAMPLE TIME 1320
 DEVICE QED MP 50 WEATHER Sun 28

TIME	SWL	FLOW	PH	COND	TEMP.°C	REDOX	TURBIDITY	D.O. mg/L
1300	28.50	120	-	-	-	-	-	-
1305	29.25	120	7.03	1434	10.5	-25	3.1	3.43
1310	29.43	120	6.96	1421	10.3	-14	3.2	2.41
1315	29.68	120	6.94	1416	10.3	-20	3.3	1.92
1320	29.78	120	6.93	1410	10.3	-23	3.6	1.77

Flow rates in ml/min

Calibration: 12/13/22 Time: 1245 pH = 7.00 4.00 10.00 Conductivity = 1414 Set 1414

OBSERVATIONS: Turbidity = 0.0 to 0.0 / 1.0 to 1.0 / 10.0 to 10.0



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID PW-10 LAB ID 7+8 DUP

DATE 12/13/22 INITIAL SWL 23.05 CREW KF, KL SAMPLE TIME 1150

DEVICE QED MP 50 WEATHER 24°F Sunny

TIME	SWL	FLOW	PH	COND	TEMP.°c	REDOX	TURBIDITY	D.O., mg/L
1130	23.05	120	-	-	-	-	-	-
1135	23.82	120	7.24	760	8.6	20	3.5	7.74
1140	23.24.21	120	7.24	762	8.7	51	2.0	7.68
1145	24.79	120	7.23	763	9.1	68	1.9	7.77
1150	25.12	120	7.22	762	9.3	80	1.5	7.88

Flow rates in ml/min

Calibration: 12/13/22 Time: 0940 pH = _____ Conductivity = _____

OBSERVATIONS: _____ Turbidity = _____



FIELD MONITORING REPORT

PFAS/1,4 Dioxane
33

PROJECT Torrey Landfill Semi-annual wells LAB ID . 16

SAMPLE POINT ID MW-4D

PURGE INFORMATION

Well Depth (ft.) 131.45 Purge Date 12/02/2022 Purge Method Bailer

SWL (ft.) 119.89 Start Time 1106 Stop Time 1139

Standing Water (ft.) 11.56 Volume Purged gal. 5.7 # casings 3.0

Well Constant (gal/ft.) 0.163 Observations Turbid Tan

Well Volume (gal.) 1.9

SAMPLING INFORMATION

Sample Method Bailer

Date 12/13/2022 Time 1100 SWL 121.63

Appearance Light Turbid Tan

Weather Conditions Sunny 30°

Sampling Technician (Print) Quinton Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.20	7.20
Myron 6p	Conductivity	µmhos/cm	1213	1213
Myron 6p	Temperature	Degrees Celsius	10.3	10.3
Myron 6p	Redox	millivolts	42	—
Lamotte	Turbidity	NTU	27.6	—

Calibration Date/Time 12/13/2022 0930

pH =

Conductivity =

OBSERVATIONS

Turbidity =

EC was completed on well



FIELD MONITORING REPORT

PROJECT Torrey Landfill semi-annual wells LAB ID 19

SAMPLE POINT ID MW-12 D

PURGE INFORMATION

Well Depth (ft.) 99.00 Purge Date 12/12/2022 Purge Method Bailer

SWL (ft.) 78.90 Start Time 1316 Stop Time 1327

Standing Water (ft.) 20.10 Volume Purged gal. 3.3 # casings 1.0 to Dry

Well Constant (gal/ft.) 0.163 Observations Clear to Light

Well Volume (gal.) 3.3 Turbid Tan

SAMPLING INFORMATION

Sample Method Bailer

Date 12/13/2022 Time 1245 SWL 82.30

Appearance Clear

Weather Conditions Sunny 30°

Sampling Technician (Print) Quinten Kolbeek Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	11.59	11.59
Myron 6p	Conductivity	µmhos/cm	962	962
Myron 6p	Temperature	Degrees Celsius	10.1	10.1
Myron 6p	Redox	millivolts	106	—
Lamotte	Turbidity	NTU	9.5	—

Calibration Date/Time 12/13/2022 0930

pH =

Conductivity =

OBSERVATIONS

Turbidity =



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells LAB ID 20

SAMPLE POINT ID UPstream

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____
 SWL (ft.) _____ Start Time _____ Stop Time _____
 Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____
 Well Constant (gal/ft.) _____ Observations _____
 Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Grab
 Date 12/13/2022 Time 1350 SWL _____
 Appearance clear
 Weather Conditions Sunny 35°
 Sampling Technician (Print) Quinten Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.59	7.60
Myron 6p	Conductivity	µmhos/cm	954	954
Myron 6p	Temperature	Degrees Celsius	3.4	3.4
Myron 6p	Redox	millivolts	195	—
Lamotte	Turbidity	NTU	2.0	—

Calibration Date/Time 12/13/2022 0930 pH = _____ Conductivity = _____

OBSERVATIONS

Turbidity = _____
D.O: 9.74 mg/L



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells LAB ID 21

SAMPLE POINT ID Downstream

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____
 SWL (ft.) _____ Start Time _____ Stop Time _____
 Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____
 Well Constant (gal/ft.) _____ Observations _____
 Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Grab
 Date 12/13/2022 Time _____ SWL _____
 Appearance clear to Tan tint
 Weather Conditions Sunny 35°
 Sampling Technician (Print) Quinten Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	8.01	8.01
Myron 6p	Conductivity	µmhos/cm	790	790
Myron 6p	Temperature	Degrees Celsius	1.9	1.9
Myron 6p	Redox	millivolts	204	—
Lamotte	Turbidity	NTU	1.4	—

Calibration Date/Time 12/13/2022 0930 pH = _____ Conductivity = _____

OBSERVATIONS

Turbidity = _____
DO: 12.88 mg/L

Appendix B



July 20, 2022

Service Request No:R2205713

Mr. Darik Jordan
Barton & Loguidice, PC
11 Centre Park
Suite 203
Rochester, NY 14614

Laboratory Results for: Torrey Landfill

Dear Mr.Jordan,

Enclosed are the results of the sample(s) submitted to our laboratory June 23, 2022
For your reference, these analyses have been assigned our service request number **R2205713**.

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Nicole Mansen
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com



Client: Barton & Loguidice, DPC
Project: Torrey Landfill
Sample Matrix: Water

Service Request: R2205713
Date Received: 06/22/2022 - 06/23/2022

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Twenty one water samples were received for analysis at ALS Environmental on 06/22/2022 - 06/23/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Metals:

Method 6010C, 06/29/2022: The Continuing Calibration Blank (CCB) contained a low level of Thallium above the Method Reporting Limit (MRL). Since there were no detections of the analyte(s) in the associated field samples above the reporting level, there is no significant impact on the data.

General Chemistry:

Method 7196A/SM3500CrB/218.6/7199: The matrix spike recovery for Hexavalent Chromium was below the specified control limit, likely due to a reducing characteristic of the sample matrix. The low matrix spike recovery suggests that the chemistry of the sample will not sustain chromium in the hexavalent form. The sample result is flagged to indicate the discrepancy. No further corrective action was appropriate.

Volatiles by GC/MS:

Method 8260C, 06/29/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 06/29/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Field:

No significant anomalies were noted with this analysis.

Approved by

A handwritten signature in black ink, appearing to read "Nicole" followed by a stylized flourish.

Date

07/20/2022



Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request:R2205713

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R2205713-001	Trip Blank_062222	6/22/2022	1120
R2205713-002	PZ-3_062222	6/22/2022	1120
R2205713-003	MW-17_062222	6/22/2022	1155
R2205713-004	MW-12M_062222	6/22/2022	1230
R2205713-005	Downstream_062222	6/22/2022	1245
R2205713-006	MW-13S_062222	6/22/2022	1305
R2205713-007	PW-10_062222	6/22/2022	1350
R2205713-008	Trip Blank_062322	6/23/2022	0855
R2205713-009	MW-12D_062322	6/23/2022	0855
R2205713-010	MW-12D Dup_062322	6/23/2022	0855
R2205713-011	MW-1S_062322	6/23/2022	0940
R2205713-012	MW-3S_062322	6/23/2022	1010
R2205713-013	MW-4D_062322	6/23/2022	1030
R2205713-014	MW-4S_062322	6/23/2022	1105
R2205713-015	MW-PZ-2_062322	6/23/2022	1135
R2205713-016	MW-16_062322	6/23/2022	1200
R2205713-017	PW-5_062322	6/23/2022	1045
R2205713-018	PW-1_062322	6/23/2022	1120
R2205713-019	MW-8D_062322	6/23/2022	1210
R2205713-020	MW-15_062322	6/23/2022	1305
R2205713-021	MW-5S_062322	6/23/2022	1340



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

062994

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name Semi Annual Sampling		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)															
Project Manager Dank Jordan		Report CC		PRESERVATIVE															
Company/Address Torrey Landfill		Phone #		NUMBER OF CONTAINERS		GC/MS VOAs • 8210 • 824 • CLP • 8270 • 825		GC VOAs • 8021 • 801/802		PESTICIDES • 8081 • 808		PCBs • 8082 • 808		METALS TOTAL (List in comments below)		METALS DISSOLVED (List in comments below)		Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____	
Yates County NY		Email				Baseline Part 360													
Sampler's Signature <i>[Signature]</i>		Sampler's Printed Name Kyle Lee																	

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING		MATRIX																		
		DATE	TIME																			
Trip Blank		6/22/22	1120	W	3	X																
PZ-3			1120	W	12										X							Torrey 01
MW-17			1155	W	12										X							Torrey 02
MW-12 M			1230	W	12										X							Torrey 03
Upstream			No Sample!	Paint Dry																		
Downstream			1245	W	12										X							Torrey 22
MW-13B			1305	W	12										X							Torrey 04
PW-10			1350	W	12										X							Torrey 05

SPECIAL INSTRUCTIONS/COMMENTS Metals See QAPP <input type="checkbox"/>			TURNAROUND REQUIREMENTS ____ RUSH (SURCHARGES APPLY) . ____ 1 day ____ 2 day ____ 3 day ____ 4 day ____ 5 day ____ Standard (10 business days-No Surcharge) REQUESTED REPORT DATE _____			REPORT REQUIREMENTS ____ I. Results Only ____ II. Results + OC Summaries (LCS, DUP, MS/MSD as required) ____ III. Results + OC and Calibration Summaries ____ IV. Data Validation Report with Raw Data Edata ____ Yes ____ No			INVOICE INFORMATION PO # _____ BILL TO: _____ _____ _____		
--	--	--	---	--	--	---	--	--	---	--	--

STATE WHERE SAMPLES WERE COLLECTED											
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY	
Signature <i>[Signature]</i>	Signature <i>[Signature]</i>	Signature <i>[Signature]</i>	Signature <i>[Signature]</i>	Signature <i>[Signature]</i>	Signature <i>[Signature]</i>	Signature <i>[Signature]</i>	Signature <i>[Signature]</i>	Signature <i>[Signature]</i>	Signature <i>[Signature]</i>	Signature <i>[Signature]</i>	Signature <i>[Signature]</i>
Printed Name Kyle Lee	Printed Name Quinton Kolbeck	Printed Name Quinton Kolbeck	Printed Name Quinton Kolbeck	Printed Name Bobby Kalkman	Printed Name Bobby Kalkman	Printed Name Bobby Kalkman	Printed Name Bobby Kalkman	Printed Name Bobby Kalkman	Printed Name Bobby Kalkman	Printed Name Bobby Kalkman	Printed Name Bobby Kalkman
Firm ALS	Firm ALS	Firm ALS	Firm ALS	Firm ALS	Firm ALS	Firm ALS	Firm ALS	Firm ALS	Firm ALS	Firm ALS	Firm ALS
Date/Time 6/22/22 1430	Date/Time 6/22/2022 1430	Date/Time 6/22/2022 1605	Date/Time 6/22/2022 1605	Date/Time 6/22/22 1605	Date/Time 6/22/22 1605	Date/Time 6/22/22 1605	Date/Time 6/22/22 1605	Date/Time 6/22/22 1605	Date/Time 6/22/22 1605	Date/Time 6/22/22 1605	Date/Time 6/22/22 1605

R2205713 **5**

Barton & Loguidice, PC
Torrey Landfill



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

064036

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name Semi-annual Sampling		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																							
Project Manager Darik Jordan		Report CC		PRESERVATIVE																							
Company/Address Torrey Landfill Yates County NY		Phone #		Email		NUMBER OF CONTAINERS GC/MS VOAs • 8260 • 8274 • CLP GC/MS SVOAs • 8270 • 825 GC VOAs • 8021 • 801/802 PESTICIDES • 8081 • 808 PCBs • 8082 • 608 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below) Part 360 Baseline																					
Sampler's Signature 		Sampler's Printed Name Quinn Kolbeck		Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____ REMARKS/ ALTERNATE DESCRIPTION																							
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE TIME		MATRIX																							
Trip Blank		6/23/2022 0855		W 3	X																						
PW-8		NO SAMPLE, INADEQUATE RECHARGE																									
MW-12D		0855		W 12	X																						
MW-12D Dup		0855		W 12	X																						
MW-1s		0940		W 12	X																						
MW-3s		1010		W 12	X																						
MW-4D		1030		W 12	X																						
MW-4s		1105		W 12	X																						
P2-2		1135		W 12	X																						
MW-16 QC		1200		W 24	X																						
SPECIAL INSTRUCTIONS/COMMENTS Metals See QAPP <input type="checkbox"/>				TURNAROUND REQUIREMENTS <input type="checkbox"/> RUSH (SURCHARGES APPLY) <input type="checkbox"/> 1 day <input type="checkbox"/> 2 day <input type="checkbox"/> 3 day <input type="checkbox"/> 4 day <input type="checkbox"/> 5 day <input type="checkbox"/> Standard (10 business days-No Surcharge) REQUESTED REPORT DATE <div style="text-align: center; border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin: 0 auto;"> Crct </div>				REPORT REQUIREMENTS <input type="checkbox"/> I. Results Only <input type="checkbox"/> II. Results + QC Summaries (LCS, DUP, MS/MSD as required) <input type="checkbox"/> III. Results + QC and Calibration Summaries <input type="checkbox"/> IV. Data Validation Report with Raw Data Edata <input type="checkbox"/> Yes <input type="checkbox"/> No				INVOICE INFORMATION PO # BILL TO:															
STATE WHERE SAMPLES WERE COLLECTED																											
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY													
Signature 		Signature 		Signature		Signature		Signature		Signature		Signature		Signature													
Printed Name Quinn Kolbeck		Printed Name Nathaniel Mackey		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name													
Firm ALS		Firm ALS		Firm		Firm		Firm		Firm		Firm		Firm													
Date/Time 6/23/2022 15:45		Date/Time 6/23/22 15:45		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time													

R2205713

Barton & Loguidice, PC
Torrey Landfill

5



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

064011

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name Semi Annual Monitoring		Project Number		ANALYSIS REQUESTED (Include Method Number and Cont.)																			
Project Manager Darik Jordan		Report CC		PRESERVATIVE																			
Company/Address Torrey Landfill (Yates County) Barton + Loguidice				NUMBER OF CONTAINERS GC/MS VOAs • 8260 • 8274 • CLP GC/MS SVOCs • 8270 • 825 GC VOAs • 8021 • 801/802 PESTICIDES • 8081 • 808 PCBs • 8082 • 808 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below) Baseline Part 360																			
Phone #		Email																					
Sampler's Signature <i>[Signature]</i>		Sampler's Printed Name Kyle Lee																					
CLIENT SAMPLE ID		FOR OFFICE USE ONLY LAB ID	SAMPLING DATE													TIME	MATRIX						
PW-5			6/23/22	1045	W 12							X											
PW-1			↓	1120	W 12							X											
MW-8D				1210	W 12							X											
MW-15				1305	W 12							X											
MW-5 MW-5S				1340	W 12							X											
SPECIAL INSTRUCTIONS/COMMENTS Metals												TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day Standard (10 business days-No Surcharge) REQUESTED REPORT DATE				REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata Yes No				INVOICE INFORMATION PO # BILL TO:			
See OAPP <input type="checkbox"/>												STATE WHERE SAMPLES WERE COLLECTED				RELINQUISHED BY				RECEIVED BY			
RELINQUISHED BY																							
Signature <i>[Signature]</i>			Signature <i>[Signature]</i>			Signature <i>[Signature]</i>			Signature <i>[Signature]</i>			Signature <i>[Signature]</i>			Signature <i>[Signature]</i>								
Printed Name Kyle Lee			Printed Name Quinten Kolbeck			Printed Name Quinten Kolbeck			Printed Name Matthew Merley			Printed Name			Printed Name								
Firm ALS			Firm ALS			Firm ALS			Firm ALS			Firm			Firm								
Date/Time 6/23/22 1400			Date/Time 6/23/2022 1400			Date/Time 6/23/2022 1545			Date/Time 6/23/22 15:45			Date/Time			Date/Time								

Color
NO3
BOD

Cr to

R2205713 **5**
Barton & Loguidice, PC
Torrey Landfill



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Semi Annual WELL ID PZ-3 LAB ID 1 Torrey

DATE 6/22/22 INITIAL SWL 7.60 CREW KL SAMPLE TIME 1120

DEVICE QED MP 50 WEATHER Hazy 90

TIME	SWL	FLOW	PH	COND	TEMP. ^c	REDOX	TURBIDITY	D.O. mg/L
71055	7.60	120	-	-	-	-	-	-
1105	8.70		6.82	1201	13.3	-146	0.5	0.86
1110	9.06		6.77	1160	13.3	-149	0.7	0.66
1115	9.49		6.72	1150	13.2	-145	0.3	0.62
1120	9.86	↓	6.63	1130	13.2	-141	0.7	0.59

Flow rates in ml/min

Calibration: 6/22/22 Time: 1000 pH = 7.00 4.00 10.00 Conductivity = 1413 Set 1413

OBSERVATIONS: Turbidity = 0.0 to 0.0 10.0 to 10.0



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Semi Annual WELL ID MW-17 LAB ID Torrey 2

DATE 6/22/22 INITIAL SWL 5.17 CREW KL SAMPLE TIME 1155

DEVICE QED MP 50 WEATHER 90 Hazy

TIME	SWL	FLOW	PH	COND	TEMP.c	REDOX	TURBIDITY	D.O. mg/L
1135	5.17	—	—	—	—	—	—	—
1145	7.60	120	7.07	1686	12.8	-8	1.0	2.51
1150	9.90	126	7.04	1686	12.9	11	0.6	2.66
1155	11.00	120	7.05	1696	13.0	24	0.6	2.68

Flow rates in ml/min

Calibration: 6/22/22 Time: 1000

pH =

Conductivity =

OBSERVATIONS:

Turbidity =



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Semi Annual WELL ID MW-12 M LAB ID Torrey 3

DATE 6/22/22 INITIAL SWL 10.72 CREW KL SAMPLE TIME 1230

DEVICE QED MP 50 WEATHER Hazy 90'

TIME	SWL	FLOW	PH	COND	TEMP.°c	REDOX	TURBIDITY	D.O. mg/L
H-1205	10.72	120	—	—	—	—	—	—
1215	15.18	120	7.72	615	12.3	-119	0.5	1.03
1220	18.42	120	7.83	595	12.3	-124	0.4 0.75	0.78
1225	20.76	120	7.83	596	12.3	-123	0.3	0.71
1230	22.45	120	7.80	596	12.3	-120	0.7	0.76

Flow rates in ml/min

Calibration: 6/22/22 Time: 1000

pH = _____ Conductivity = _____

OBSERVATIONS: _____



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells LAB ID 22

SAMPLE POINT ID Downstream

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Grab

Date 6/22/2022 Time 1245 SWL _____

Appearance Tan Tint

Weather Conditions Sunny 90°

Sampling Technician (Print) Quinten Kolbea Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.93	7.93
Myron 6p	Conductivity	µmhos/cm	794	795
Myron 6p	Temperature	Degrees Celsius	17.8	17.8
Myron 6p	Redox	millivolts	146	—
Lamotte	Turbidity	NTU	4.5	—

Calibration Date/Time 6/22/2022 1225 pH = 7.00/4.00/10.00 Conductivity = 1413 set 1412

OBSERVATIONS

DO: 7.54 mg/L



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Semi Annual WELL ID NW-135 LAB ID KL 6/22

DATE 6/22/22 INITIAL SWL 7.01 CREW KL SAMPLE TIME 1305

DEVICE QED MP 50 WEATHER Hazy 90°

TIME	SWL	FLOW	PH	COND	TEMP-c	REDOX	TURBIDITY	D.O. mg/L
1240	7.01	120	-	-	-	-	-	-
1250	8.08	120	7.15	727	14.2	35	0.5	0.84
1255	8.45	120	7.09	722	14.2	32	1.0	0.67
1300	9.04	120	7.04	720	14.2	24	0.7	0.76
1305	9.89	120	7.02	725	14.2	28	1.1	0.90

Flow rates in ml/min

Calibration: 6/22/22 Time: 1000

pH = _____ Conductivity = _____

OBSERVATIONS: _____

Turbidity = _____



LOW FLOW MONITORING REPORT

SITE ID Tantelo 04-2 Semi Annual WELL ID PW-10 LAB ID 5
 DATE 6/22/22 INITIAL SWL 24.92 CREW KL/PK SAMPLE TIME 1350
 DEVICE QED MP 50 WEATHER 91 Hazy

TIME	SWL	FLOW	PH	COND	TEMP. _c	REDOX	TURBIDITY	D.O. mg/L
1330	24.92	120	—	—	—	—	—	—
1340	25.80	120	7.19	704	11.8	90	0.8	4.67
1345	26.25	120	7.17	695	11.8	96	0.5	4.83
1350	26.68	120	7.15	702	11.8	100	0.2	4.72

Flow rates in ml/min

Calibration: 6/22/22 Time: 1000

pH =

Conductivity =

OBSERVATIONS:

Turbidity =



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells LAB ID 7 + 8 Dup

SAMPLE POINT ID MW-12 D Dup

PURGE INFORMATION

Well Depth (ft.) 98.98 Purge Date 6/22/2022 Purge Method Bailer

SWL (ft.) 77.07 Start Time 0847 Stop Time 0903

Standing Water (ft.) 21.91 Volume Purged gal. 3.6 # casings 1.0 to Dry

Well Constant (gal/ft.) 0.163 Observations Clear to Top Test to

Well Volume (gal.) 3.6 Turbid Top

SAMPLING INFORMATION

Sample Method Bailer

Date 6/23/2022 Time 0855 SWL 83.25

Appearance Clear

Weather Conditions Cloudy 70°

Sampling Technician (Print) Quintan Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	11.69	11.61
Myron 6p	Conductivity	µmhos/cm	1138	1141
Myron 6p	Temperature	Degrees Celsius	15.8	15.9
Myron 6p	Redox	millivolts	74	63
Lamotte	Turbidity	NTU	4.3	4.0

Calibration Date/Time 6/23/2022 0820 pH = _____ Conductivity = _____

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells LAB ID 9

SAMPLE POINT ID MW-15

PURGE INFORMATION

Well Depth (ft.) 30.24 Purge Date 6/22/2022 Purge Method Bailer

SWL (ft.) 15.89 Start Time 0933 Stop Time 0947

Standing Water (ft.) 14.35 Volume Purged gal. 6.9 # casings 3.0

Well Constant (gal/ft.) 0.163 Observations Turbid Tan

Well Volume (gal.) 2.3

SAMPLING INFORMATION

Sample Method Bailer

Date 6/23/2022 Time 0940 SWL 18.51

Appearance Light Turbid to Light Turbid Tan

Weather Conditions Partly Cloudy 70°

Sampling Technician (Print) Quinten Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	8.12	8.11
Myron 6p	Conductivity	µmhos/cm	732	732
Myron 6p	Temperature	Degrees Celsius	10.3	10.3
Myron 6p	Redox	millivolts	-22	—
Lamotte	Turbidity	NTU	18.0	—

Calibration Date/Time 6/23/2022 0820 pH = _____ Conductivity = _____

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells LAB ID 10

SAMPLE POINT ID MW-35

PURGE INFORMATION

Well Depth (ft.) 37.60 Purge Date 6/22/2022 Purge Method Bailer

SWL (ft.) 24.75 Start Time 1006 Stop Time 1014

Standing Water (ft.) 12.85 Volume Purged gal. 4.0 # casings 1.9 to Dry

Well Constant (gal/ft.) 0.163 Observations Turbid Gray/Tan

Well Volume (gal.) 2.1

SAMPLING INFORMATION

Sample Method Bailer

Date 6/23/2022 Time 1010 SWL 36.00

Appearance Clear to Turbid Tan/Gray

Weather Conditions Mostly Sunny 70°

Sampling Technician (Print) Quinton Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.62	7.62
Myron 6p	Conductivity	µmhos/cm	909	909
Myron 6p	Temperature	Degrees Celsius	12.3	12.3
Myron 6p	Redox	millivolts	126	—
Lamotte	Turbidity	NTU	5.1	—

Calibration Date/Time 6/23/2022 0920 pH = _____ Conductivity = _____

OBSERVATIONS
Turbidity = _____



FIELD MONITORING REPORT

PROJECT Torrey Landfill semi-annual wells LAB ID 11

SAMPLE POINT ID MW-4D

PURGE INFORMATION

Well Depth (ft.) 131.42 Purge Date 6/22/2022 Purge Method Bailer

SWL (ft.) 120.11 Start Time 1011 Stop Time 1031

Standing Water (ft.) 11.31 Volume Purged gal. 5.4 # casings 3.0

Well Constant (gal/ft.) 0.163 Observations Yellow Tint to

Well Volume (gal.) 1.8 Gray Turb'd

SAMPLING INFORMATION

Sample Method Bailer

Date 6/23/2022 Time 1030 SWL 120.83

Appearance Light Turbid Tan to Turbid Gray

Weather Conditions Partly cloudy 70°

Sampling Technician (Print) Quinton Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.61	7.61
Myron 6p	Conductivity	µmhos/cm	1236	1235
Myron 6p	Temperature	Degrees Celsius	12.3	12.5
Myron 6p	Redox	millivolts	-39	—
Lamotte	Turbidity	NTU	22.2	—

Calibration Date/Time 6/23/2022 0820 pH = _____ Conductivity = _____

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells LAB ID 12

SAMPLE POINT ID MW-45

PURGE INFORMATION

Well Depth (ft.) 40.95 Purge Date 6/22/2022 Purge Method ^{OK 2022} ~~Bailer~~ waterera
 SWL (ft.) 35.33 Start Time 1107 Stop Time 1109
 Standing Water (ft.) 5.62 Volume Purged gal. 2.7 # casings 3.0
 Well Constant (gal/ft.) 0.163 Observations Tan tint to Turbid
 Well Volume (gal.) 0.9 Tan

SAMPLING INFORMATION

Sample Method ^{OK 2022} ~~Bailer~~ Waterera
 Date ^{OK 2022} 6/23/2022 Time 1105 SWL 35.72
 Appearance Light Turbid Tan to Turbid Gray
 Weather Conditions Mostly Cloudy 70°
 Sampling Technician (Print) Quintan Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.78	6.78
Myron 6p	Conductivity	µmhos/cm	1233	1233
Myron 6p	Temperature	Degrees Celsius	11.7	11.7
Myron 6p	Redox	millivolts	146	—
Lamotte	Turbidity	NTU	13.8	—

Calibration Date/Time 6/23/2022 0820 pH = _____ Conductivity = _____

OBSERVATIONS

Turbidity = _____
Well may have been hit by mower, bailer unable to be used
so waterera was used.



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells LAB ID 13

SAMPLE POINT ID P2-2

PURGE INFORMATION

Well Depth (ft.) 37.14 Purge Date 6/22/2022 Purge Method Bailer

SWL (ft.) 34.74 Start Time 1143 Stop Time 1147

Standing Water (ft.) 2.40 Volume Purged gal. 1.2 # casings 3.0

Well Constant (gal/ft.) 0.163 Observations Light Turbid Tan Tint

Well Volume (gal.) 0.4

SAMPLING INFORMATION

Sample Method Bailer

Date 6/23/2022 Time 1135 SWL 34.74

Appearance Clear to Light Turbid Tan

Weather Conditions Cloudy 70°

Sampling Technician (Print) Quinten Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.77	6.76
Myron 6p	Conductivity	µmhos/cm	3148	3148
Myron 6p	Temperature	Degrees Celsius	12.4	12.4
Myron 6p	Redox	millivolts	-95	-
Lamotte	Turbidity	NTU	3.1	-

Calibration Date/Time 6/23/2022 0820 pH = _____ Conductivity = _____

OBSERVATIONS
Turbidity = _____



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-anal wells LAB ID 14 + 15 QC

SAMPLE POINT ID MW-16 QC

PURGE INFORMATION

Well Depth (ft.) 22.06 Purge Date 6/22/2022 Purge Method Baier

SWL (ft.) 17.02 Start Time 1157 Stop Time 1201

Standing Water (ft.) 5.04 Volume Purged gal. 2.4 # casings 3.0

Well Constant (gal/ft.) 0.163 Observations Turbid Tan

Well Volume (gal.) 0.8

SAMPLING INFORMATION

Sample Method Baier

Date 6/23/2022 Time 1200 SWL 17.03

Appearance Light Turbid Tan to Turbid Tan

Weather Conditions Cloudy 70°

Sampling Technician (Print) Bruce Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.20	7.19
Myron 6p	Conductivity	µmhos/cm	698	698
Myron 6p	Temperature	Degrees Celsius	11.4	11.4
Myron 6p	Redox	millivolts	136	—
Lamotte	Turbidity	NTU	26.6	—

Calibration Date/Time 6/23/2022 0820 pH = _____ Conductivity = _____

OBSERVATIONS



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Semi Annual WELL ID PW-5 LAB ID 6

DATE 6/23/22 INITIAL SWL 23.22 CREW KL SAMPLE TIME 1045

DEVICE QED MP 50 WEATHER P. Cloudy 75'

TIME	SWL	FLOW	PH	COND	TEMP-c	REDOX	TURBIDITY	D.O. mg/L
1030	23.22	120	-	-	-	-	-	-
1030	24.42	120	6.62	876	10.4	87	1.8	0.46
1035	24.42	120	6.58	876	10.4	97	1.9	0.43
1040	24.42	120	6.52	874	10.5	101	2.3	0.44
1045	24.42	120	6.54	873	10.5	94	3.3	0.45

Flow rates in ml/min

Calibration: 6/23/22 Time: 1000

pH = 7.00 4.00 10.06
 Conductivity = 0.0 to 0.6
 100 to 10.0
 Turbidity = 1413 Set 1413

OBSERVATIONS:



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Semi Annual WELL ID PW-1 LAB ID 17
 DATE 6/23/22 INITIAL SWL 22.82 CREW KL SAMPLE TIME 1120
 DEVICE QED MP 50 WEATHER P.Cloudy 75'

TIME	SWL	FLOW	PH	COND	TEMP-c	REDOX	TURBIDITY	D.O. mg/L
1100	22.82	120	—	—	—	—	—	—
1110	24.08	120	6.65	1450	12.6	66	0.8	0.52
1115	24.42	120	6.64	1453	12.5	63	0.2	0.46
1120	24.90	120	6.64	1454	12.5	56	0.4	0.47

Flow rates in ml/min

Calibration: 6/23/22 Time: 1000 pH = Conductivity =

OBSERVATIONS: Turbidity =



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Semi Annual WELL ID MW-8D LAB ID 18

DATE 6/23/22 INITIAL SWL 92.39 CREW KL SAMPLE TIME 1210

DEVICE QED MP 50 WEATHER P. Sun 75'

TIME	SWL	FLOW	PH	COND	TEMP-c	REDOX	TURBIDITY	D.O. mg/L
1140	92.39	120	—	—	—	—	—	—
1150								
1155	93.86	120	7.05	866	14.9	-106	3.7	0.80
1200	94.13	120	7.08	867	14.9	-115	8.8	0.63
1205	94.13	120	7.06	867	14.9	-117	9.0	0.60
1210	94.13	120	7.06	868	14.9	-117	9.6	0.68

Flow rates in ml/min

Calibration: 6/23/22 Time: 1000 pH = Conductivity =

OBSERVATIONS: Turbidity =



LOW FLOW MONITORING REPORT

SITE ID Tantelo 04-2 Semi Annual WELL ID MW-15 LAB ID 19

DATE 6/23/22 INITIAL SWL 3.45 CREW KY/QK SAMPLE TIME 1305

DEVICE QED MP 50 WEATHER P. Cloudy 80'

TIME	SWL	FLOW	PH	COND	TEMP. ^c	REDOX	TURBIDITY	D.O. mg/L
1245	3.45	120	-	-	-	-	-	-
1250	5.24	120	6.86	934	13.0	-75	16.5	1.51
1255	5.89	120	6.85	924	12.9	-78	6.2	0.57
1300	6.47	120	6.84	917	12.8	-78	2.2	0.45
1305	6.84	120	6.82	916	12.8	-78	1.4	0.41

Flow rates in ml/min

Calibration: 6/23/22 Time: 1000

pH =

Conductivity =

OBSERVATIONS:

Turbidity =



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Semi Annual WELL ID MW-55 LAB ID 20

DATE 6/23/22 INITIAL SWL 7.92 CREW KL/QK SAMPLE TIME 1340

DEVICE QED MP 50 WEATHER P. Cloudy 80°

TIME	SWL	FLOW	PH	COND	TEMP-c	REDOX	TURBIDITY	D.O. mg/L
1320	7.92	120	—	—	—	—	—	—
1325	7.12	120	6.92	1484	11.9	-150	11.8	0.70
1330	7.12	120	6.92	1483	11.9	-154	10.1	0.47
1335	7.12	120	6.92	1482	11.9	-152	4.2	0.42
1340	7.12	120	6.93	1478	11.9	-148	5.8	0.42

Flow rates in ml/min

Calibration: 6/23/22 Time: 1000

pH =

Conductivity =

OBSERVATIONS:

Turbidity =



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells LAB ID _____

SAMPLE POINT ID PW-8

PURGE INFORMATION

Well Depth (ft.) 23.83 Purge Date 6/22/2022 Purge Method Pump

SWL (ft.) 21.29 Start Time 0826 Stop Time 0827

Standing Water (ft.) 2.56 Volume Purged gal. 1.7 # casings 1.0 to Dry

Well Constant (gal/ft.) 0.653 Observations Dark Gray Tint

Well Volume (gal.) 1.7

SAMPLING INFORMATION

Sample Method Batter

Date 6/23/2022 Time 0825 SWL _____

Appearance _____

Weather Conditions _____

Sampling Technician (Print) Quinten Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		
Myron 6p	Redox	millivolts		—
Lamotte	Turbidity	NTU		—

Calibration Date/Time 6/23/2022 0820 pH = 7.00/4.00/10.00 Conductivity = 1413 set 1413

OBSERVATIONS

Turbidity = 0.0/10.0

NO SAMPLE, INADEQUATE RECHARGE



FIELD MONITORING REPORT

PROJECT Torrey landfill semi-annual wells LAB ID

SAMPLE POINT ID UPstream

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method _____

Date 6/22/2022 Time _____ SWL _____

Appearance _____

Weather Conditions _____

Sampling Technician (Print) Quinton Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		
Myron 6p	Redox	millivolts		
Lamotte	Turbidity	NTU		

Calibration Date/Time / / pH = _____ Conductivity = _____

OBSERVATIONS

Turbidity = _____

NO SAMPLE, POINT IS DRY



Cooler Receipt and Preservation Check Form

R2205713

Barton & Loguidice, PC
Torrey Landfill

5



Project/Client

Torrey LF

Folder Number

Cooler received on

6/22/22

by: buk

COURIER: ALS

UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y <input checked="" type="checkbox"/> N
2	Custody papers properly completed (ink, signed)?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
3	Did all bottles arrive in good condition (unbroken)?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

5a	Perchlorate samples have required headspace?	Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA
6	Where did the bottles originate?	ALS/ROC CLIENT
7	Soil VOA received as:	Bulk Encore 5035set <input checked="" type="checkbox"/> NA

8. Temperature Readings

Date: 6/22

Time: 1625

ID: IR#7 IR#11

From: Temp Blank

Sample Bottle

Observed Temp (°C)	8.9	0.8						
Within 0-6°C?	Y <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition:

Ice melted Poorly Packed (described below)

Same Day Rule

& Client Approval to Run Samples:

Standing Approval

Client aware at drop-off

Client notified by:

All samples held in storage location:

Pool by buk on 6/22 at 1650

5035 samples placed in storage location:

by on at within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**:

Date: 6/23/22

Time: 10:57

by: MM

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)?

YES

NO

10. Did all bottle labels and tags agree with custody papers?

YES

NO

11. Were correct containers used for the tests indicated?

YES

NO

12. Were 5035 vials acceptable (no extra labels, not leaking)?

YES

NO

N/A

13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N

Canisters Pressurized

Tedlar® Bags Inflated

N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12	225320	NaOH	<input checked="" type="checkbox"/>		219719	3/23				
<2	↓	HNO ₃	<input checked="" type="checkbox"/>		2021083052	4/23				
<2		H ₂ SO ₄	<input checked="" type="checkbox"/>		L120-10, 219719	4/23, 6/24				
<4		NaHSO ₄								
5-9		For 608pest			No-Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522	<input checked="" type="checkbox"/>		If+, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers:

2631-1, 22-04-21, 041122-1EKP, 020722-QAA0, 22-04-20

Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	<input checked="" type="checkbox"/> FLDT
SUB	HGFB
<input checked="" type="checkbox"/> ALS	LL3541

Labels secondary reviewed by: MM

PC Secondary Review:

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



Cooler Receipt and Preservation Check Form

R2205713

5

Barton & Logulice, PC
Torrey Landfill



Project/Client _____ Folder Number _____

Cooler received on 6/23/22 by: MU/BK COURIER: ALS UPS FEDEX VELOCITY CLIENT MU 6/23/22

1	Were Custody seals on outside of cooler?	Y <input checked="" type="radio"/> N <input type="radio"/>	5a	Perchlorate samples have required headspace?	Y <input type="radio"/> N <input checked="" type="radio"/> NA <input type="radio"/>
2	Custody papers properly completed (ink, signed)?	Y <input checked="" type="radio"/> N <input type="radio"/>	5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y <input checked="" type="radio"/> N <input type="radio"/> NA <input type="radio"/>
3	Did all bottles arrive in good condition (unbroken)?	Y <input checked="" type="radio"/> N <input type="radio"/>	6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	Y <input checked="" type="radio"/> N <input type="radio"/>	7	Soil VOA received as:	Bulk Encore 5035set NA

8. Temperature Readings Date: 6/23/22 Time: 15:54 ID: IR#7 IR#11 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>-0.3</u>	<u>4.2</u>	<u>1.4</u>	<u>3.2</u>	<u>1.8</u>		
Within 0-6°C?	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>
If <0°C, were samples frozen?	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R1002 by MU on 6/23/22 at 16:10
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 6/24/22 Time: 9:02 by: MU

- 9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
- 10. Did all bottle labels and tags agree with custody papers? YES NO
- 11. Were correct containers used for the tests indicated? YES NO
- 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
- 13. Air Samples: Cassettes / Tubes Intact Y/N with MS Y/N Canisters Pressurized Tedlar® Bags Inflated N/A N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol Added	Lot Added	Final pH
			Yes	No						
≥12	<u>225320</u>	NaOH	<input checked="" type="checkbox"/>		<u>214719</u>	<u>3/23</u>				
≤2	↓	HNO ₃	<input checked="" type="checkbox"/>		<u>2021083052</u>	<u>4/23</u>				
≤2	↓	H ₂ SO ₄	<input checked="" type="checkbox"/>		<u>1120-10 0000238844</u>	<u>4/23, 4/24</u>				
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522	<input checked="" type="checkbox"/>		If+, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 2631-1, 041122-IECP, 22-04-20, 020722-2AA0, 22-04-21

Explain all Discrepancies/ Other Comments:
* Trip Blank 3 vials

HPROD	<u>BULK</u>
HTR	<u>FLDT</u>
SUB	HGFB
<u>ALS</u>	LL3541

Labels secondary reviewed by: MU
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2205713-001.01	8260C	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1014	In Lab / FNAEGLER	
		6/28/2022	1016	R-001-S10 / FNAEGLER	
R2205713-001.02		6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-001.03		6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-002.01	ASTM D1498-00				
		6/23/2022	1047	SMO / MMARLEY	
R2205713-002.02	351.2,410.4,350.1	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1154	R-016 / GESMERIAN	
		6/23/2022	1155	RT000462 / GESMERIAN	
R2205713-002.03	SM 2550 B				
		6/23/2022	1047	SMO / MMARLEY	
R2205713-002.04	SM 2540 C-2015,7196A,300.0,300.0,300.0,300.0	6/23/2022	1047	SMO / MMARLEY	
		6/24/2022	1231	R-022 / GESMERIAN	
		6/24/2022	1233	RT000383 / GESMERIAN	
R2205713-002.05	6010C,6010C	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1051	R-A01 / MMARLEY	
		6/25/2022	0924	R-A01 / MMARLEY	
		6/28/2022	1333	In Lab / CDISTEFANO	
		6/28/2022	1345	R-A01 / CDISTEFANO	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2205713-002.06	Kelada-01	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1329	R-015 / GESMERIAN	
		6/23/2022	1330	RT000311 / GESMERIAN	
R2205713-002.07	SM 4500-O G	6/23/2022	1047	SMO / MMARLEY	
R2205713-002.08	120.1	6/23/2022	1047	SMO / MMARLEY	
R2205713-002.09		6/23/2022	1047	SMO / MMARLEY	
R2205713-002.10	SM 5210 B-2016	6/23/2022	1047	SMO / MMARLEY	
		6/24/2022	1602	R-002 / GESMERIAN	
		6/24/2022	1604	RT000157 / GESMERIAN	
R2205713-002.11	7470A	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1051	R-002 / MMARLEY	
		6/25/2022	0924	R-002 / MMARLEY	
R2205713-002.12	SM 2120 B-2001(2011)	6/23/2022	1047	SMO / MMARLEY	
R2205713-002.13	SM 4500-H+ B	6/23/2022	1047	SMO / MMARLEY	
R2205713-002.14	180.1	6/23/2022	1047	SMO / MMARLEY	
R2205713-002.15	SM 5310 B-2014,9066	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1329	R-015 / GESMERIAN	
		6/23/2022	1330	RT000311 / GESMERIAN	
R2205713-002.16					

ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C				
		6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1014	In Lab / FNAEGLER	
		6/28/2022	1016	R-001-S10 / FNAEGLER	
R2205713-002.17					
		6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-002.18					
		6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-002.19					
	SM 2320 B-1997(2011)				
		6/23/2022	1047	SMO / MMARLEY	
		6/25/2022	1149	R-014 / MMARLEY	
		6/25/2022	1151	RT000154 / MMARLEY	
		7/12/2022	1745	R-002 / GESMERIAN	
R2205713-003.01					
	ASTM D1498-00				
		6/23/2022	1047	SMO / MMARLEY	
R2205713-003.02					
	351.2,410.4,350.1				
		6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1154	R-016 / GESMERIAN	
		6/23/2022	1155	RT000462 / GESMERIAN	
R2205713-003.03					
	SM 2550 B				
		6/23/2022	1047	SMO / MMARLEY	
R2205713-003.04					
	SM 2540 C-2015,7196A,300.0,300.0,300.0,300.0				
		6/23/2022	1047	SMO / MMARLEY	
		6/24/2022	1231	R-022 / GESMERIAN	
		6/24/2022	1233	RT000383 / GESMERIAN	
R2205713-003.05					

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	6010C,6010C	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1051	R-A01 / MMARLEY	
		6/25/2022	0924	R-A01 / MMARLEY	
		6/28/2022	1333	In Lab / CDISTEFANO	
		6/28/2022	1345	R-A01 / CDISTEFANO	
R2205713-003.06					
	Kelada-01				
		6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1329	R-015 / GESMERIAN	
		6/23/2022	1330	RT000311 / GESMERIAN	
R2205713-003.07					
	SM 4500-O G				
		6/23/2022	1047	SMO / MMARLEY	
R2205713-003.08					
	120.1				
		6/23/2022	1047	SMO / MMARLEY	
R2205713-003.09					
		6/23/2022	1047	SMO / MMARLEY	
R2205713-003.10					
	SM 5210 B-2016				
		6/23/2022	1047	SMO / MMARLEY	
		6/24/2022	1601	R-002 / GESMERIAN	
		6/24/2022	1604	RT000673 / GESMERIAN	
R2205713-003.11					
	7470A				
		6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1051	R-002 / MMARLEY	
		6/25/2022	0924	R-002 / MMARLEY	
R2205713-003.12					
	SM 2120 B-2001(2011)				
		6/23/2022	1047	SMO / MMARLEY	
R2205713-003.13					
	SM 4500-H+ B				
		6/23/2022	1047	SMO / MMARLEY	
R2205713-003.14					
	180.1				
		6/23/2022	1047	SMO / MMARLEY	
R2205713-003.15					

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	SM 5310 B-2014,9066	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1329	R-015 / GESMERIAN	
		6/23/2022	1330	RT000311 / GESMERIAN	
R2205713-003.16	8260C	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1014	In Lab / FNAEGLER	
		6/28/2022	1016	R-001-S10 / FNAEGLER	
R2205713-003.17		6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-003.18		6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-003.19	SM 2320 B-1997(2011)	6/23/2022	1047	SMO / MMARLEY	
		6/25/2022	1149	R-014 / MMARLEY	
		6/25/2022	1151	RT000154 / MMARLEY	
		7/12/2022	1745	R-002 / GESMERIAN	
R2205713-004.01	ASTM D1498-00	6/23/2022	1047	SMO / MMARLEY	
R2205713-004.02	351.2,410.4,350.1	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1154	R-016 / GESMERIAN	
		6/23/2022	1156	RT000462 / GESMERIAN	
R2205713-004.03	SM 2550 B	6/23/2022	1047	SMO / MMARLEY	
R2205713-004.04	SM 2540 C-2015,7196A,300.0,300.0,300.0,300.0	6/23/2022	1047	SMO / MMARLEY	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	SM 2540 C-2015,7196A,300.0,300.0,300.0,300.0	6/24/2022	1231	R-022 / GESMERIAN	
		6/24/2022	1233	RT000383 / GESMERIAN	
R2205713-004.05	6010C,6010C	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1051	R-A01 / MMARLEY	
		6/25/2022	0924	R-A01 / MMARLEY	
		6/28/2022	1333	In Lab / CDISTEFANO	
		6/28/2022	1345	R-A01 / CDISTEFANO	
R2205713-004.06	Kelada-01	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1329	R-015 / GESMERIAN	
		6/23/2022	1330	RT000311 / GESMERIAN	
R2205713-004.07	SM 4500-O G	6/23/2022	1047	SMO / MMARLEY	
R2205713-004.08	120.1	6/23/2022	1047	SMO / MMARLEY	
R2205713-004.09		6/23/2022	1047	SMO / MMARLEY	
R2205713-004.10	SM 5210 B-2016	6/23/2022	1047	SMO / MMARLEY	
		6/24/2022	1601	R-002 / GESMERIAN	
		6/24/2022	1604	RT000673 / GESMERIAN	
R2205713-004.11	7470A	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1051	R-002 / MMARLEY	
		6/25/2022	0924	R-002 / MMARLEY	
R2205713-004.12	SM 2120 B-2001(2011)	6/23/2022	1047	SMO / MMARLEY	
R2205713-004.13	SM 4500-H+ B	6/23/2022	1047	SMO / MMARLEY	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2205713-004.14	180.1	6/23/2022	1047	SMO / MMARLEY	
R2205713-004.15	SM 5310 B-2014,9066	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1329	R-015 / GESMERIAN	
		6/23/2022	1330	RT000311 / GESMERIAN	
R2205713-004.16	8260C	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1014	In Lab / FNAEGLER	
		6/28/2022	1016	R-001-S10 / FNAEGLER	
R2205713-004.17		6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-004.18		6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-004.19	SM 2320 B-1997(2011)	6/23/2022	1047	SMO / MMARLEY	
		6/25/2022	1149	R-014 / MMARLEY	
		6/25/2022	1151	RT000154 / MMARLEY	
		7/12/2022	1745	R-002 / GESMERIAN	
R2205713-005.01	ASTM D1498-00	6/23/2022	1047	SMO / MMARLEY	
R2205713-005.02	351.2,410.4,350.1	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1154	R-016 / GESMERIAN	
		6/23/2022	1156	RT000462 / GESMERIAN	
R2205713-005.03					

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	SM 2550 B	6/23/2022	1047	SMO / MMARLEY	
R2205713-005.04					
	SM 2540 C-2015,7196A,300.0,300.0,300.0,300.0	6/23/2022	1047	SMO / MMARLEY	
		6/24/2022	1231	R-022 / GESMERIAN	
		6/24/2022	1233	RT000383 / GESMERIAN	
R2205713-005.05					
	6010C,6010C	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1051	R-A01 / MMARLEY	
		6/25/2022	0924	R-A01 / MMARLEY	
		6/28/2022	1333	In Lab / CDISTEFANO	
		6/28/2022	1345	R-A01 / CDISTEFANO	
R2205713-005.06					
	Kelada-01	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1329	R-015 / GESMERIAN	
		6/23/2022	1330	RT000311 / GESMERIAN	
R2205713-005.07					
	SM 4500-O G	6/23/2022	1047	SMO / MMARLEY	
R2205713-005.08					
	120.1	6/23/2022	1047	SMO / MMARLEY	
R2205713-005.09					
		6/23/2022	1047	SMO / MMARLEY	
R2205713-005.10					
	SM 5210 B-2016	6/23/2022	1047	SMO / MMARLEY	
		6/25/2022	1146	R-002 / MMARLEY	
		6/25/2022	1148	RT000112 / MMARLEY	
		6/25/2022	1159	R-002 / MMARLEY	
		6/27/2022	0918	R-Sink / ROCHESTER SMO	
R2205713-005.11					
	7470A	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1051	R-002 / MMARLEY	
		6/25/2022	0924	R-002 / MMARLEY	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2205713-005.12	SM 2120 B-2001(2011)	6/23/2022	1047	SMO / MMARLEY	
R2205713-005.13	SM 4500-H+ B	6/23/2022	1047	SMO / MMARLEY	
R2205713-005.14	180.1	6/23/2022	1047	SMO / MMARLEY	
R2205713-005.15	SM 5310 B-2014,9066	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1329	R-015 / GESMERIAN	
		6/23/2022	1330	RT000311 / GESMERIAN	
R2205713-005.16	8260C	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1014	In Lab / FNAEGLER	
		6/28/2022	1016	R-001-S10 / FNAEGLER	
R2205713-005.17		6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-005.18		6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-005.19	SM 2320 B-1997(2011)	6/23/2022	1047	SMO / MMARLEY	
		6/25/2022	1149	R-014 / MMARLEY	
		6/25/2022	1151	RT000154 / MMARLEY	
		7/12/2022	1745	R-002 / GESMERIAN	
R2205713-006.01	ASTM D1498-00	6/23/2022	1047	SMO / MMARLEY	

ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2205713-006.02	351.2,410.4,350.1	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1154	R-016 / GESMERIAN	
		6/23/2022	1156	RT000462 / GESMERIAN	
R2205713-006.03	SM 2550 B	6/23/2022	1047	SMO / MMARLEY	
R2205713-006.04	SM 2540 C-2015,7196A,300.0,300.0,300.0,300.0	6/23/2022	1047	SMO / MMARLEY	
		6/24/2022	1231	R-022 / GESMERIAN	
		6/24/2022	1233	RT000383 / GESMERIAN	
R2205713-006.05	6010C,6010C	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1051	R-A01 / MMARLEY	
		6/25/2022	0924	R-A01 / MMARLEY	
		6/28/2022	1333	In Lab / CDISTEFANO	
		6/28/2022	1345	R-A01 / CDISTEFANO	
R2205713-006.06	Kelada-01	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1329	R-015 / GESMERIAN	
		6/23/2022	1330	RT000311 / GESMERIAN	
R2205713-006.07	SM 4500-O G	6/23/2022	1047	SMO / MMARLEY	
R2205713-006.08	120.1	6/23/2022	1047	SMO / MMARLEY	
R2205713-006.09		6/23/2022	1047	SMO / MMARLEY	
R2205713-006.10	SM 5210 B-2016	6/23/2022	1047	SMO / MMARLEY	
		6/25/2022	1146	R-002 / MMARLEY	
		6/25/2022	1148	RT000112 / MMARLEY	
		6/25/2022	1159	R-002 / MMARLEY	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	SM 5210 B-2016	6/27/2022	0918	R-Sink / ROCHESTER SMO	
R2205713-006.11	7470A	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1051	R-002 / MMARLEY	
		6/25/2022	0924	R-002 / MMARLEY	
R2205713-006.12	SM 2120 B-2001(2011)	6/23/2022	1047	SMO / MMARLEY	
R2205713-006.13	SM 4500-H+ B	6/23/2022	1047	SMO / MMARLEY	
R2205713-006.14	180.1	6/23/2022	1047	SMO / MMARLEY	
R2205713-006.15	SM 5310 B-2014,9066	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1329	R-015 / GESMERIAN	
		6/23/2022	1330	RT000311 / GESMERIAN	
R2205713-006.16	8260C	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1014	In Lab / FNAEGLER	
		6/28/2022	1016	R-001-S10 / FNAEGLER	
R2205713-006.17		6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-006.18		6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-006.19					

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	SM 2320 B-1997(2011)	6/23/2022	1047	SMO / MMARLEY	
		6/25/2022	1149	R-014 / MMARLEY	
		6/25/2022	1151	RT000154 / MMARLEY	
		7/12/2022	1745	R-002 / GESMERIAN	
R2205713-007.01					
	ASTM D1498-00	6/23/2022	1047	SMO / MMARLEY	
R2205713-007.02					
	351.2,410.4,350.1	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1637	R-016 / GESMERIAN	
		6/23/2022	1638	RT000464 / GESMERIAN	
R2205713-007.03					
	SM 2550 B	6/23/2022	1047	SMO / MMARLEY	
R2205713-007.04					
	SM 2540 C-2015,7196A,300.0,300.0,300.0,300.0	6/23/2022	1047	SMO / MMARLEY	
		6/24/2022	1231	R-022 / GESMERIAN	
		6/24/2022	1233	RT000383 / GESMERIAN	
R2205713-007.05					
	6010C,6010C	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1051	R-A01 / MMARLEY	
		6/25/2022	0924	R-A01 / MMARLEY	
		6/28/2022	1333	In Lab / CDISTEFANO	
		6/28/2022	1345	R-A01 / CDISTEFANO	
R2205713-007.06					
	Kelada-01	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1329	R-015 / GESMERIAN	
		6/23/2022	1330	RT000311 / GESMERIAN	
R2205713-007.07					
	SM 4500-O G	6/23/2022	1047	SMO / MMARLEY	
R2205713-007.08					
	120.1	6/23/2022	1047	SMO / MMARLEY	
R2205713-007.09					

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		6/23/2022	1047	SMO / MMARLEY	
R2205713-007.10	SM 5210 B-2016	6/23/2022	1047	SMO / MMARLEY	
		6/25/2022	1146	R-002 / MMARLEY	
		6/25/2022	1148	RT000112 / MMARLEY	
		6/25/2022	1159	R-002 / MMARLEY	
		6/27/2022	0918	R-Sink / ROCHESTER SMO	
R2205713-007.11	7470A	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1051	R-002 / MMARLEY	
		6/25/2022	0924	R-002 / MMARLEY	
R2205713-007.12	SM 2120 B-2001(2011)	6/23/2022	1047	SMO / MMARLEY	
R2205713-007.13	SM 4500-H+ B	6/23/2022	1047	SMO / MMARLEY	
R2205713-007.14	180.1	6/23/2022	1047	SMO / MMARLEY	
R2205713-007.15	SM 5310 B-2014,9066	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1329	R-015 / GESMERIAN	
		6/23/2022	1330	RT000311 / GESMERIAN	
R2205713-007.16	8260C	6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1014	In Lab / FNAEGLER	
		6/28/2022	1016	R-001-S10 / FNAEGLER	
R2205713-007.17		6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2205713-007.18					
		6/23/2022	1047	SMO / MMARLEY	
		6/23/2022	1049	R-001 / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-007.19					
	SM 2320 B-1997(2011)				
		6/23/2022	1047	SMO / MMARLEY	
		6/25/2022	1149	R-014 / MMARLEY	
		6/25/2022	1151	RT000154 / MMARLEY	
		7/12/2022	1745	R-002 / GESMERIAN	
R2205713-008.01					
	8260C				
		6/23/2022	1652	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1014	In Lab / FNAEGLER	
		6/28/2022	1016	R-001-S10 / FNAEGLER	
R2205713-008.02					
		6/23/2022	1652	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-008.03					
		6/23/2022	1652	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-009.01					
	ASTM D1498-00				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-009.02					
	350.1,351.2,410.4				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1151	R-016 / MMARLEY	
		6/25/2022	1153	RT000321 / MMARLEY	
R2205713-009.03					
	SM 2550 B				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-009.04					
	300.0,SM 2540 C-2015,7196A,300.0,300.0,300.0				
		6/23/2022	1653	SMO / BKALKMAN	
		6/27/2022	0754	R-022 / GESMERIAN	
		6/27/2022	0755	RT000667 / GESMERIAN	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2205713-009.05	6010C,6010C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0924	R-A01 / MMARLEY	
		6/28/2022	1333	In Lab / CDISTEFANO	
		6/28/2022	1345	R-A01 / CDISTEFANO	
R2205713-009.06	Kelada-01	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1153	R-015 / MMARLEY	
		6/25/2022	1154	RT000719 / MMARLEY	
R2205713-009.08	120.1	6/23/2022	1653	SMO / BKALKMAN	
R2205713-009.09		6/23/2022	1653	SMO / BKALKMAN	
R2205713-009.10	SM 5210 B-2016	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1146	R-002 / MMARLEY	
		6/25/2022	1148	RT000112 / MMARLEY	
		6/25/2022	1159	R-002 / MMARLEY	
		6/27/2022	0918	R-Sink / ROCHESTER SMO	
R2205713-009.11	7470A	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0924	R-002 / MMARLEY	
R2205713-009.12	SM 2120 B-2001(2011)	6/23/2022	1653	SMO / BKALKMAN	
R2205713-009.13	SM 4500-H+ B	6/23/2022	1653	SMO / BKALKMAN	
R2205713-009.14	180.1	6/23/2022	1653	SMO / BKALKMAN	
R2205713-009.15	SM 5310 B-2014,9066	6/23/2022	1653	SMO / BKALKMAN	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	SM 5310 B-2014,9066	6/27/2022	0800	R-015 / GESMERIAN	
		6/27/2022	0802	RT000431 / GESMERIAN	
R2205713-009.16	8260C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1014	In Lab / FNAEGLER	
		6/28/2022	1016	R-001-S10 / FNAEGLER	
R2205713-009.17		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-009.18		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-009.19	SM 2320 B-1997(2011)	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1149	R-014 / MMARLEY	
		6/25/2022	1150	RT000154 / MMARLEY	
		7/12/2022	1745	R-002 / GESMERIAN	
R2205713-010.01	ASTM D1498-00	6/23/2022	1653	SMO / BKALKMAN	
R2205713-010.02	351.2,410.4,350.1	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1151	R-016 / MMARLEY	
		6/25/2022	1153	RT000321 / MMARLEY	
R2205713-010.03	SM 2550 B	6/23/2022	1653	SMO / BKALKMAN	
R2205713-010.04	7196A,300.0,300.0,300.0,300.0,SM 2540 C-2015	6/23/2022	1653	SMO / BKALKMAN	
		6/27/2022	0754	R-022 / GESMERIAN	
		6/27/2022	0755	RT000667 / GESMERIAN	
R2205713-010.05					

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	6010C,6010C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0924	R-A01 / MMARLEY	
		6/28/2022	1334	In Lab / CDISTEFANO	
		6/28/2022	1345	R-A01 / CDISTEFANO	
R2205713-010.06	Kelada-01				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1153	R-015 / MMARLEY	
		6/25/2022	1154	RT000719 / MMARLEY	
R2205713-010.08	120.1				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-010.09					
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-010.10	SM 5210 B-2016				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1146	R-002 / MMARLEY	
		6/25/2022	1148	RT000112 / MMARLEY	
		6/25/2022	1159	R-002 / MMARLEY	
		6/27/2022	0918	R-Sink / ROCHESTER SMO	
R2205713-010.11	7470A				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0924	R-002 / MMARLEY	
R2205713-010.12	SM 2120 B-2001(2011)				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-010.13	SM 4500-H+ B				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-010.14	180.1				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-010.15	9066,SM 5310 B-2014				
		6/23/2022	1653	SMO / BKALKMAN	
		6/27/2022	0800	R-015 / GESMERIAN	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	9066,SM 5310 B-2014	6/27/2022	0802	RT000431 / GESMERIAN	
R2205713-010.16	8260C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1014	In Lab / FNAEGLER	
		6/28/2022	1016	R-001-S10 / FNAEGLER	
		6/29/2022	1159	In Lab / FNAEGLER	
		6/29/2022	1205	R-010 / FNAEGLER	
R2205713-010.17		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-010.18		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-010.19	SM 2320 B-1997(2011)	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1149	R-014 / MMARLEY	
		6/25/2022	1150	RT000154 / MMARLEY	
		7/12/2022	1745	R-002 / GESMERIAN	
R2205713-011.01	ASTM D1498-00	6/23/2022	1653	SMO / BKALKMAN	
R2205713-011.02	351.2,410.4,350.1	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1151	R-016 / MMARLEY	
		6/25/2022	1153	RT000321 / MMARLEY	
R2205713-011.03	SM 2550 B	6/23/2022	1653	SMO / BKALKMAN	
R2205713-011.04	SM 2540 C-2015,7196A,300.0,300.0,300.0,300.0	6/23/2022	1653	SMO / BKALKMAN	
		6/27/2022	0754	R-022 / GESMERIAN	
		6/27/2022	0755	RT000667 / GESMERIAN	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	SM 5310 B-2014,9066	6/27/2022	0800	R-015 / GESMERIAN	
		6/27/2022	0802	RT000431 / GESMERIAN	
R2205713-011.16	8260C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1014	In Lab / FNAEGLER	
		6/28/2022	1016	R-001-S10 / FNAEGLER	
R2205713-011.17		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-011.18		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-011.19	SM 2320 B-1997(2011)	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1149	R-014 / MMARLEY	
		6/25/2022	1150	RT000154 / MMARLEY	
		7/12/2022	1745	R-002 / GESMERIAN	
R2205713-012.01	ASTM D1498-00	6/23/2022	1653	SMO / BKALKMAN	
R2205713-012.02	351.2,410.4,350.1	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1151	R-016 / MMARLEY	
		6/25/2022	1153	RT000321 / MMARLEY	
R2205713-012.03	SM 2550 B	6/23/2022	1653	SMO / BKALKMAN	
R2205713-012.04	7196A,300.0,300.0,300.0,300.0,SM 2540 C-2015	6/23/2022	1653	SMO / BKALKMAN	
		6/27/2022	0754	R-022 / GESMERIAN	
		6/27/2022	0755	RT000667 / GESMERIAN	
R2205713-012.05					

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	6010C,6010C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0924	R-A01 / MMARLEY	
		6/28/2022	1334	In Lab / CDISTEFANO	
		6/28/2022	1345	R-A01 / CDISTEFANO	
R2205713-012.06	Kelada-01				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1153	R-015 / MMARLEY	
		6/25/2022	1154	RT000719 / MMARLEY	
R2205713-012.08	120.1				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-012.09					
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-012.10	SM 5210 B-2016				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1147	R-002 / MMARLEY	
		6/25/2022	1149	RT000529 / MMARLEY	
		6/25/2022	1159	R-002 / MMARLEY	
		6/27/2022	0918	R-Sink / ROCHESTER SMO	
R2205713-012.11	7470A				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0924	R-002 / MMARLEY	
R2205713-012.12	SM 2120 B-2001(2011)				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-012.13	SM 4500-H+ B				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-012.14	180.1				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-012.15	9066,SM 5310 B-2014				
		6/23/2022	1653	SMO / BKALKMAN	
		6/27/2022	0800	R-015 / GESMERIAN	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	9066,SM 5310 B-2014	6/27/2022	0802	RT000431 / GESMERIAN	
R2205713-012.16	8260C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1014	In Lab / FNAEGLER	
		6/28/2022	1016	R-001-S10 / FNAEGLER	
R2205713-012.17		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-012.18		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-012.19	SM 2320 B-1997(2011)	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1149	R-014 / MMARLEY	
		6/25/2022	1150	RT000154 / MMARLEY	
		7/12/2022	1745	R-002 / GESMERIAN	
R2205713-013.01	ASTM D1498-00	6/23/2022	1653	SMO / BKALKMAN	
R2205713-013.02	351.2,410.4,350.1	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1151	R-016 / MMARLEY	
		6/25/2022	1153	RT000321 / MMARLEY	
R2205713-013.03	SM 2550 B	6/23/2022	1653	SMO / BKALKMAN	
R2205713-013.04	SM 2540 C-2015,7196A,300.0,300.0,300.0,300.0	6/23/2022	1653	SMO / BKALKMAN	
		6/27/2022	0754	R-022 / GESMERIAN	
		6/27/2022	0755	RT000667 / GESMERIAN	
R2205713-013.05					

ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	6010C,6010C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0924	R-A01 / MMARLEY	
		6/28/2022	1334	In Lab / CDISTEFANO	
		6/28/2022	1345	R-A01 / CDISTEFANO	
R2205713-013.06	Kelada-01				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1153	R-015 / MMARLEY	
		6/25/2022	1154	RT000719 / MMARLEY	
R2205713-013.08	120.1				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-013.09					
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-013.10	SM 5210 B-2016				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1147	R-002 / MMARLEY	
		6/25/2022	1149	RT000529 / MMARLEY	
		6/25/2022	1159	R-002 / MMARLEY	
		6/27/2022	0918	R-Sink / ROCHESTER SMO	
R2205713-013.11	7470A				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0924	R-002 / MMARLEY	
R2205713-013.12	SM 2120 B-2001(2011)				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-013.13	SM 4500-H+ B				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-013.14	180.1				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-013.15	SM 5310 B-2014,9066				
		6/23/2022	1653	SMO / BKALKMAN	
		6/27/2022	0800	R-015 / GESMERIAN	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	SM 5310 B-2014,9066	6/27/2022	0802	RT000431 / GESMERIAN	
R2205713-013.16	8260C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1014	In Lab / FNAEGLER	
		6/28/2022	1016	R-001-S10 / FNAEGLER	
R2205713-013.17		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-013.18		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-013.19	SM 2320 B-1997(2011)	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1149	R-014 / MMARLEY	
		6/25/2022	1150	RT000154 / MMARLEY	
		7/12/2022	1745	R-002 / GESMERIAN	
R2205713-014.01	ASTM D1498-00	6/23/2022	1653	SMO / BKALKMAN	
R2205713-014.02	351.2,410.4,350.1	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1151	R-016 / MMARLEY	
		6/25/2022	1153	RT000321 / MMARLEY	
R2205713-014.03	SM 2550 B	6/23/2022	1653	SMO / BKALKMAN	
R2205713-014.04	7196A,300.0,300.0,300.0,300.0,SM 2540 C-2015	6/23/2022	1653	SMO / BKALKMAN	
		6/27/2022	0754	R-022 / GESMERIAN	
		6/27/2022	0755	RT000667 / GESMERIAN	
R2205713-014.05					

ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	6010C,6010C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0924	R-A01 / MMARLEY	
		6/28/2022	1334	In Lab / CDISTEFANO	
		6/28/2022	1345	R-A01 / CDISTEFANO	
R2205713-014.06	Kelada-01				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1153	R-015 / MMARLEY	
		6/25/2022	1154	RT000719 / MMARLEY	
R2205713-014.08	120.1				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-014.09					
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-014.10	SM 5210 B-2016				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1147	R-002 / MMARLEY	
		6/25/2022	1149	RT000529 / MMARLEY	
		6/25/2022	1159	R-002 / MMARLEY	
		6/27/2022	0918	R-Sink / ROCHESTER SMO	
R2205713-014.11	7470A				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0924	R-002 / MMARLEY	
R2205713-014.12	SM 2120 B-2001(2011)				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-014.13	SM 4500-H+ B				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-014.14	180.1				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-014.15	9066,SM 5310 B-2014				
		6/23/2022	1653	SMO / BKALKMAN	
		6/27/2022	0800	R-015 / GESMERIAN	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	9066,SM 5310 B-2014	6/27/2022	0802	RT000431 / GESMERIAN	
R2205713-014.16	8260C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1014	In Lab / FNAEGLER	
		6/28/2022	1016	R-001-S10 / FNAEGLER	
R2205713-014.17		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-014.18		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-014.19	SM 2320 B-1997(2011)	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1149	R-014 / MMARLEY	
		6/25/2022	1150	RT000154 / MMARLEY	
		7/12/2022	1745	R-002 / GESMERIAN	
R2205713-015.01	ASTM D1498-00	6/23/2022	1653	SMO / BKALKMAN	
R2205713-015.02	351.2,410.4,350.1	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1151	R-016 / MMARLEY	
		6/25/2022	1153	RT000321 / MMARLEY	
R2205713-015.03	SM 2550 B	6/23/2022	1653	SMO / BKALKMAN	
R2205713-015.04	7196A,300.0,300.0,300.0,300.0,SM 2540 C-2015	6/23/2022	1653	SMO / BKALKMAN	
		6/27/2022	0754	R-022 / GESMERIAN	
		6/27/2022	0755	RT000667 / GESMERIAN	
R2205713-015.05					

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	6010C,6010C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0924	R-A01 / MMARLEY	
		6/28/2022	1334	In Lab / CDISTEFANO	
		6/28/2022	1345	R-A01 / CDISTEFANO	
R2205713-015.06	Kelada-01				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1153	R-015 / MMARLEY	
		6/25/2022	1154	RT000719 / MMARLEY	
R2205713-015.08	120.1				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-015.09					
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-015.10	SM 5210 B-2016				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1147	R-002 / MMARLEY	
		6/25/2022	1149	RT000529 / MMARLEY	
		6/25/2022	1159	R-002 / MMARLEY	
		6/27/2022	0918	R-Sink / ROCHESTER SMO	
R2205713-015.11	7470A				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0924	R-002 / MMARLEY	
R2205713-015.12	SM 2120 B-2001(2011)				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-015.13	SM 4500-H+ B				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-015.14	180.1				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-015.15	9066,SM 5310 B-2014				
		6/23/2022	1653	SMO / BKALKMAN	
		6/27/2022	0800	R-015 / GESMERIAN	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	9066,SM 5310 B-2014	6/27/2022	0802	RT000431 / GESMERIAN	
R2205713-015.16	8260C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1014	In Lab / FNAEGLER	
		6/28/2022	1016	R-001-S10 / FNAEGLER	
R2205713-015.17		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-015.18		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-015.19	SM 2320 B-1997(2011)	6/23/2022	1653	SMO / BKALKMAN	
		6/29/2022	1537	RT000435 / GESMERIAN	
		6/29/2022	1537	R-014 / GESMERIAN	
		6/29/2022	1537	R-014 / GESMERIAN	
R2205713-016.01	ASTM D1498-00	6/23/2022	1653	SMO / BKALKMAN	
R2205713-016.02	351.2,410.4,350.1	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1151	R-016 / MMARLEY	
		6/25/2022	1153	RT000321 / MMARLEY	
R2205713-016.03	SM 2550 B	6/23/2022	1653	SMO / BKALKMAN	
R2205713-016.04	7196A,300.0,300.0,300.0,300.0,SM 2540 C-2015	6/23/2022	1653	SMO / BKALKMAN	
		6/27/2022	0754	RT000667 / GESMERIAN	
		6/27/2022	0754	R-022 / GESMERIAN	
R2205713-016.05					

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	6010C,6010C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0925	R-A01 / MMARLEY	
		6/28/2022	1334	In Lab / CDISTEFANO	
		6/28/2022	1344	R-A01 / CDISTEFANO	
R2205713-016.06	Kelada-01				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1153	R-015 / MMARLEY	
		6/25/2022	1154	RT000719 / MMARLEY	
R2205713-016.08	120.1				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-016.09					
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-016.10	SM 5210 B-2016				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1147	R-002 / MMARLEY	
		6/25/2022	1149	RT000529 / MMARLEY	
		6/25/2022	1159	R-002 / MMARLEY	
		6/27/2022	0918	R-Sink / ROCHESTER SMO	
R2205713-016.11	7470A				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0925	R-002 / MMARLEY	
R2205713-016.12	SM 2120 B-2001(2011)				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-016.13	SM 4500-H+ B				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-016.14	180.1				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-016.15	SM 5310 B-2014				
		6/23/2022	1653	SMO / BKALKMAN	
		6/27/2022	0800	R-015 / GESMERIAN	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	SM 5310 B-2014	6/27/2022	0802	RT000431 / GESMERIAN	
R2205713-016.16	8260C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1014	In Lab / FNAEGLER	
		6/28/2022	1017	R-001-S10 / FNAEGLER	
R2205713-016.17		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-016.18		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-016.19	SM 2320 B-1997(2011)	6/23/2022	1653	SMO / BKALKMAN	
		6/29/2022	1537	RT000435 / GESMERIAN	
		6/29/2022	1537	R-014 / GESMERIAN	
		6/29/2022	1537	R-014 / GESMERIAN	
R2205713-016.20		6/25/2022	0921	SMO / MMARLEY	
		6/25/2022	1151	R-016 / MMARLEY	
		6/25/2022	1153	RT000321 / MMARLEY	
R2205713-016.21		6/25/2022	0921	SMO / MMARLEY	
		6/27/2022	0754	R-022 / GESMERIAN	
		6/27/2022	0755	RT000667 / GESMERIAN	
R2205713-016.22		6/25/2022	0922	SMO / MMARLEY	
		6/25/2022	1153	R-015 / MMARLEY	
		6/25/2022	1154	RT000719 / MMARLEY	
R2205713-016.23		6/25/2022	0922	SMO / MMARLEY	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2205713-016.24	9066	6/25/2022	0922	SMO / MMARLEY	
		6/27/2022	0800	R-015 / GESMERIAN	
		6/27/2022	0802	RT000431 / GESMERIAN	
R2205713-016.25		6/25/2022	0923	SMO / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-016.26		6/25/2022	0923	SMO / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-016.27		6/25/2022	0923	SMO / MMARLEY	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-016.28		6/25/2022	0923	SMO / MMARLEY	
		6/29/2022	1537	R-014 / GESMERIAN	
		6/29/2022	1537	R-014 / GESMERIAN	
		6/29/2022	1538	RT000435 / GESMERIAN	
R2205713-016.29		6/25/2022	1028	SMO / MMARLEY	
		6/25/2022	1147	R-002 / MMARLEY	
		6/25/2022	1149	RT000529 / MMARLEY	
		6/25/2022	1159	R-002 / MMARLEY	
		6/27/2022	0918	R-Sink / ROCHESTER SMO	
R2205713-017.01	ASTM D1498-00	6/23/2022	1653	SMO / BKALKMAN	
R2205713-017.02	351.2,410.4,350.1	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1151	R-016 / MMARLEY	
		6/25/2022	1153	RT000321 / MMARLEY	
R2205713-017.03	SM 2550 B	6/23/2022	1653	SMO / BKALKMAN	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	SM 4500-H+ B	6/23/2022	1653	SMO / BKALKMAN	
R2205713-017.14	180.1	6/23/2022	1653	SMO / BKALKMAN	
R2205713-017.15	9066,SM 5310 B-2014	6/23/2022	1653	SMO / BKALKMAN	
		6/27/2022	0800	R-015 / GESMERIAN	
		6/27/2022	0802	RT000431 / GESMERIAN	
R2205713-017.16	8260C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1014	In Lab / FNAEGLER	
		6/28/2022	1017	R-001-S10 / FNAEGLER	
		6/29/2022	1159	In Lab / FNAEGLER	
		6/29/2022	1205	R-010 / FNAEGLER	
R2205713-017.17		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-017.18		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-017.19	SM 2320 B-1997(2011)	6/23/2022	1653	SMO / BKALKMAN	
		6/29/2022	1537	RT000435 / GESMERIAN	
		6/29/2022	1537	R-014 / GESMERIAN	
		6/29/2022	1537	R-014 / GESMERIAN	
R2205713-018.01	ASTM D1498-00	6/23/2022	1653	SMO / BKALKMAN	
R2205713-018.02	351.2,410.4,350.1	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1151	R-016 / MMARLEY	
		6/25/2022	1153	RT000321 / MMARLEY	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	SM 2120 B-2001(2011)	6/23/2022	1653	SMO / BKALKMAN	
R2205713-018.13	SM 4500-H+ B	6/23/2022	1653	SMO / BKALKMAN	
R2205713-018.14	180.1	6/23/2022	1653	SMO / BKALKMAN	
R2205713-018.15	9066,SM 5310 B-2014	6/23/2022	1653	SMO / BKALKMAN	
		6/27/2022	0800	R-015 / GESMERIAN	
		6/27/2022	0802	RT000431 / GESMERIAN	
R2205713-018.16	8260C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1014	In Lab / FNAEGLER	
		6/28/2022	1017	R-001-S10 / FNAEGLER	
		6/29/2022	1159	In Lab / FNAEGLER	
		6/29/2022	1205	R-010 / FNAEGLER	
R2205713-018.17		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-018.18		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-018.19	SM 2320 B-1997(2011)	6/23/2022	1653	SMO / BKALKMAN	
		6/29/2022	1537	R-014 / GESMERIAN	
		6/29/2022	1537	R-014 / GESMERIAN	
		6/29/2022	1538	RT000435 / GESMERIAN	
R2205713-019.01	ASTM D1498-00	6/23/2022	1653	SMO / BKALKMAN	
R2205713-019.02					

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	351.2,410.4,350.1	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1151	R-016 / MMARLEY	
		6/25/2022	1153	RT000321 / MMARLEY	
R2205713-019.03					
	SM 2550 B	6/23/2022	1653	SMO / BKALKMAN	
R2205713-019.04					
	SM 2540 C-2015,7196A,300.0,300.0,300.0,300.0	6/23/2022	1653	SMO / BKALKMAN	
		6/27/2022	0754	R-022 / GESMERIAN	
		6/27/2022	0755	RT000667 / GESMERIAN	
R2205713-019.05					
	6010C,6010C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0924	R-A01 / MMARLEY	
		6/28/2022	1334	In Lab / CDISTEFANO	
		6/28/2022	1344	R-A01 / CDISTEFANO	
R2205713-019.06					
	Kelada-01	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1153	R-015 / MMARLEY	
		6/25/2022	1154	RT000719 / MMARLEY	
R2205713-019.07					
	SM 4500-O G	6/23/2022	1653	SMO / BKALKMAN	
R2205713-019.08					
	120.1	6/23/2022	1653	SMO / BKALKMAN	
R2205713-019.09					
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-019.10					
	SM 5210 B-2016	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1147	R-002 / MMARLEY	
		6/25/2022	1149	RT000529 / MMARLEY	
		6/25/2022	1159	R-002 / MMARLEY	
		6/27/2022	0918	R-Sink / ROCHESTER SMO	
R2205713-019.11					

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	7470A				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0924	R-002 / MMARLEY	
R2205713-019.12					
	SM 2120 B-2001(2011)				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-019.13					
	SM 4500-H+ B				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-019.14					
	180.1				
		6/23/2022	1653	SMO / BKALKMAN	
R2205713-019.15					
	SM 5310 B-2014,9066				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1153	R-015 / MMARLEY	
		6/25/2022	1154	RT000719 / MMARLEY	
R2205713-019.16					
	8260C				
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1017	R-001-S10 / FNAEGLER	
		6/29/2022	1159	In Lab / FNAEGLER	
		6/29/2022	1205	R-010 / FNAEGLER	
R2205713-019.17					
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-019.18					
		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-019.19					
	SM 2320 B-1997(2011)				
		6/23/2022	1653	SMO / BKALKMAN	
		6/29/2022	1537	R-014 / GESMERIAN	
		6/29/2022	1537	R-014 / GESMERIAN	
		6/29/2022	1538	RT000435 / GESMERIAN	
R2205713-020.01					

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	SM 5210 B-2016	6/27/2022	1458	R-002 / GESMERIAN	
R2205713-020.11	7470A	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0924	R-002 / MMARLEY	
R2205713-020.12	SM 2120 B-2001(2011)	6/23/2022	1653	SMO / BKALKMAN	
R2205713-020.13	SM 4500-H+ B	6/23/2022	1653	SMO / BKALKMAN	
R2205713-020.14	180.1	6/23/2022	1653	SMO / BKALKMAN	
R2205713-020.15	9066,SM 5310 B-2014	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1153	R-015 / MMARLEY	
		6/25/2022	1154	RT000719 / MMARLEY	
R2205713-020.16	8260C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1017	R-001-S10 / FNAEGLER	
		6/29/2022	1159	In Lab / FNAEGLER	
		6/29/2022	1205	R-010 / FNAEGLER	
R2205713-020.17		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-020.18		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-020.19	SM 2320 B-1997(2011)	6/23/2022	1653	SMO / BKALKMAN	
		6/29/2022	1537	R-014 / GESMERIAN	
		6/29/2022	1537	R-014 / GESMERIAN	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	SM 5210 B-2016	6/23/2022	1653	SMO / BKALKMAN	
		6/27/2022	0936	RT000556 / GESMERIAN	
		6/27/2022	0944	R-002 / GESMERIAN	
		6/27/2022	1458	R-002 / GESMERIAN	
R2205713-021.11	7470A	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0924	R-002 / MMARLEY	
R2205713-021.12	SM 2120 B-2001(2011)	6/23/2022	1653	SMO / BKALKMAN	
R2205713-021.13	SM 4500-H+ B	6/23/2022	1653	SMO / BKALKMAN	
R2205713-021.14	180.1	6/23/2022	1653	SMO / BKALKMAN	
R2205713-021.15	9066,SM 5310 B-2014	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	1153	R-015 / MMARLEY	
		6/25/2022	1154	RT000719 / MMARLEY	
R2205713-021.16	8260C	6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
		6/28/2022	1017	R-001-S10 / FNAEGLER	
		6/29/2022	1159	In Lab / FNAEGLER	
		6/29/2022	1205	R-010 / FNAEGLER	
R2205713-021.17		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-021.18		6/23/2022	1653	SMO / BKALKMAN	
		6/25/2022	0923	R-001 / MMARLEY	
R2205713-021.19					

ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	SM 2320 B-1997(2011)				
		6/23/2022	1653	SMO / BKALKMAN	
		6/29/2022	1537	R-014 / GESMERIAN	
		6/29/2022	1537	R-014 / GESMERIAN	
		6/29/2022	1538	RT000435 / GESMERIAN	



Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

<p>U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.</p> <p>J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).</p> <p>B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.</p> <p>E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.</p> <p>E Organics- Concentration has exceeded the calibration range for that specific analysis.</p> <p>D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.</p> <p>* Indicates that a quality control parameter has exceeded laboratory limits. Under the “Notes” column of the Form I, this qualifier denotes analysis was performed out of Holding Time.</p> <p>H Analysis was performed out of hold time for tests that have an “immediate” hold time criteria.</p> <p># Spike was diluted out.</p>	<p>+ Correlation coefficient for MSA is <0.995.</p> <p>N Inorganics- Matrix spike recovery was outside laboratory limits.</p> <p>N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.</p> <p>S Concentration has been determined using Method of Standard Additions (MSA).</p> <p>W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.</p> <p>P Concentration >40% difference between the two GC columns.</p> <p>C Confirmed by GC/MS</p> <p>Q DoD reports: indicates a pesticide/Aroclor is not confirmed ($\geq 100\%$ Difference between two GC columns).</p> <p>X See Case Narrative for discussion.</p> <p>MRL Method Reporting Limit. Also known as:</p> <p>LOQ Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.</p> <p>MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).</p> <p>LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.</p> <p>ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.</p>
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Rochester Lab ID # for State Accreditations¹



NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

¹ Analyses were performed according to our laboratory’s NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
120.1	Water	Conductivity, Field
180.1	Water	Turbidity, Field
ASTM D1498-00	Water	Oxidation-Reduction Potential (ORP), Field
SM 2550 B	Water	Temperature, Field
SM 4500-H+ B	Water	pH, Field
SM 4500-O G	Water	Oxygen, Dissolved

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Sample Name: Trip Blank_062222
Lab Code: R2205713-001
Sample Matrix: Water

Date Collected: 06/22/22
Date Received: 06/22/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: PZ-3_062222
Lab Code: R2205713-002
Sample Matrix: Water

Date Collected: 06/22/22
Date Received: 06/22/22

Analysis Method

Extracted/Digested By

Analyzed By

120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
8260C		FNAEGLER
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		ADIPZINSKI
SM 2320 B-1997(2011)		CLOI
SM 2540 C-2015		ADIPZINSKI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		CWOODS

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Sample Name: MW-17_062222
Lab Code: R2205713-003
Sample Matrix: Water

Date Collected: 06/22/22
Date Received: 06/22/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
8260C		FNAEGLER
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		ADIPZINSKI
SM 2320 B-1997(2011)		CLOI
SM 2540 C-2015		ADIPZINSKI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		CWOODS

Sample Name: MW-12M_062222
Lab Code: R2205713-004
Sample Matrix: Water

Date Collected: 06/22/22
Date Received: 06/22/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Sample Name: MW-12M_062222
Lab Code: R2205713-004
Sample Matrix: Water

Date Collected: 06/22/22
Date Received: 06/22/22

Analysis Method	Extracted/Digested By	Analyzed By
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
8260C		FNAEGLER
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		ADIPZINSKI
SM 2320 B-1997(2011)		CLOI
SM 2540 C-2015		ADIPZINSKI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		CWOODS

Sample Name: Downstream_062222
Lab Code: R2205713-005
Sample Matrix: Water

Date Collected: 06/22/22
Date Received: 06/22/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
8260C		FNAEGLER
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		ADIPZINSKI

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Sample Name: Downstream_062222
Lab Code: R2205713-005
Sample Matrix: Water

Date Collected: 06/22/22
Date Received: 06/22/22

Analysis Method	Extracted/Digested By	Analyzed By
SM 2320 B-1997(2011)		CLOI
SM 2540 C-2015		ADIPZINSKI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		CWOODS

Sample Name: MW-13S_062222
Lab Code: R2205713-006
Sample Matrix: Water

Date Collected: 06/22/22
Date Received: 06/22/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
8260C		FNAEGLER
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		ADIPZINSKI
SM 2320 B-1997(2011)		CLOI
SM 2540 C-2015		ADIPZINSKI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		CWOODS

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Sample Name: PW-10_062222
Lab Code: R2205713-007
Sample Matrix: Water

Date Collected: 06/22/22
Date Received: 06/22/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
8260C		FNAEGLER
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		ADIPZINSKI
SM 2320 B-1997(2011)		CLOI
SM 2540 C-2015		ADIPZINSKI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		CWOODS

Sample Name: Trip Blank_062322
Lab Code: R2205713-008
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Sample Name: MW-12D_062322
Lab Code: R2205713-009
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
8260C		FNAEGLER
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SBIRNBERG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		ADIPZINSKI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-12D Dup_062322
Lab Code: R2205713-010
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		MROGERSON

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Sample Name: MW-12D Dup_062322
Lab Code: R2205713-010
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
7470A	BDIAMOND	BDIAMOND
8260C		FNAEGLER
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SBIRNBERG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		ADIPZINSKI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-1S_062322
Lab Code: R2205713-011
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
8260C		FNAEGLER
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SBIRNBERG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		ADIPZINSKI

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Sample Name: MW-1S_062322
Lab Code: R2205713-011
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-3S_062322
Lab Code: R2205713-012
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
8260C		FNAEGLER
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SBIRNBERG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		ADIPZINSKI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

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dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Sample Name: MW-4D_062322
Lab Code: R2205713-013
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
8260C		FNAEGLER
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SBIRNBERG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		ADIPZINSKI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-4S_062322
Lab Code: R2205713-014
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		MROGERSON

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Sample Name: MW-4S_062322
Lab Code: R2205713-014
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
7470A	BDIAMOND	BDIAMOND
8260C		FNAEGLER
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SBIRNBERG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		ADIPZINSKI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-PZ-2_062322
Lab Code: R2205713-015
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
8260C		FNAEGLER
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SBIRNBERG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		ADIPZINSKI

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Sample Name: MW-PZ-2_062322
Lab Code: R2205713-015
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-16_062322
Lab Code: R2205713-016
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
8260C		FNAEGLER
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SBIRNBERG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		ADIPZINSKI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

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dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Sample Name: PW-5_062322
Lab Code: R2205713-017
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
8260C		FNAEGLER
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SBIRNBERG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		ADIPZINSKI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: PW-1_062322
Lab Code: R2205713-018
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Sample Name: PW-1_062322
Lab Code: R2205713-018
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
8260C		FNAEGLER
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SBIRNBERG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		ADIPZINSKI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-8D_062322
Lab Code: R2205713-019
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
8260C		FNAEGLER
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SBIRNBERG

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Sample Name: MW-8D_062322
Lab Code: R2205713-019
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		ADIPZINSKI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-15_062322
Lab Code: R2205713-020
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
8260C		FNAEGLER
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SBIRNBERG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		ADIPZINSKI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713

Sample Name: MW-5S_062322
Lab Code: R2205713-021
Sample Matrix: Water

Date Collected: 06/23/22
Date Received: 06/23/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
8260C		FNAEGLER
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SBIRNBERG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		ADIPZINSKI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	



Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 11:20
Date Received: 06/22/22 16:05

Sample Name: Trip Blank_062222
Lab Code: R2205713-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 01:45	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 01:45	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 01:45	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 01:45	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 01:45	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 01:45	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 01:45	
2-Butanone (MEK)	10 U	10	1	06/29/22 01:45	
2-Hexanone	10 U	10	1	06/29/22 01:45	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 01:45	
Acetone	10 U	10	1	06/29/22 01:45	
Benzene	5.0 U	5.0	1	06/29/22 01:45	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 01:45	
Bromoform	5.0 U	5.0	1	06/29/22 01:45	
Bromomethane	5.0 U	5.0	1	06/29/22 01:45	
Carbon Disulfide	10 U	10	1	06/29/22 01:45	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 01:45	
Chlorobenzene	5.0 U	5.0	1	06/29/22 01:45	
Chloroethane	5.0 U	5.0	1	06/29/22 01:45	
Chloroform	5.0 U	5.0	1	06/29/22 01:45	
Chloromethane	5.0 U	5.0	1	06/29/22 01:45	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 01:45	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 01:45	
Methylene Chloride	5.0 U	5.0	1	06/29/22 01:45	
Ethylbenzene	5.0 U	5.0	1	06/29/22 01:45	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 01:45	
Styrene	5.0 U	5.0	1	06/29/22 01:45	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 01:45	
Toluene	5.0 U	5.0	1	06/29/22 01:45	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 01:45	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 01:45	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 01:45	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 01:45	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 01:45	
o-Xylene	5.0 U	5.0	1	06/29/22 01:45	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 01:45	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 01:45	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 11:20
Date Received: 06/22/22 16:05

Sample Name: Trip Blank_062222
Lab Code: R2205713-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/29/22 01:45	
Dibromofluoromethane	101	80 - 116	06/29/22 01:45	
Toluene-d8	105	87 - 121	06/29/22 01:45	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 11:20
Date Received: 06/22/22 16:05

Sample Name: PZ-3_062222
Lab Code: R2205713-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 02:07	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 02:07	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 02:07	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 02:07	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 02:07	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 02:07	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 02:07	
2-Butanone (MEK)	10 U	10	1	06/29/22 02:07	
2-Hexanone	10 U	10	1	06/29/22 02:07	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 02:07	
Acetone	10 U	10	1	06/29/22 02:07	
Benzene	5.0 U	5.0	1	06/29/22 02:07	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 02:07	
Bromoform	5.0 U	5.0	1	06/29/22 02:07	
Bromomethane	5.0 U	5.0	1	06/29/22 02:07	
Carbon Disulfide	10 U	10	1	06/29/22 02:07	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 02:07	
Chlorobenzene	5.0 U	5.0	1	06/29/22 02:07	
Chloroethane	5.0 U	5.0	1	06/29/22 02:07	
Chloroform	5.0 U	5.0	1	06/29/22 02:07	
Chloromethane	5.0 U	5.0	1	06/29/22 02:07	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 02:07	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 02:07	
Methylene Chloride	5.0 U	5.0	1	06/29/22 02:07	
Ethylbenzene	5.0 U	5.0	1	06/29/22 02:07	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 02:07	
Styrene	5.0 U	5.0	1	06/29/22 02:07	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 02:07	
Toluene	5.0 U	5.0	1	06/29/22 02:07	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 02:07	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 02:07	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 02:07	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 02:07	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 02:07	
o-Xylene	5.0 U	5.0	1	06/29/22 02:07	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 02:07	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 02:07	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 11:20
Date Received: 06/22/22 16:05

Sample Name: PZ-3_062222
Lab Code: R2205713-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	06/29/22 02:07	
Dibromofluoromethane	100	80 - 116	06/29/22 02:07	
Toluene-d8	102	87 - 121	06/29/22 02:07	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 11:55
Date Received: 06/22/22 16:05

Sample Name: MW-17_062222
Lab Code: R2205713-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 02:28	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 02:28	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 02:28	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 02:28	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 02:28	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 02:28	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 02:28	
2-Butanone (MEK)	10 U	10	1	06/29/22 02:28	
2-Hexanone	10 U	10	1	06/29/22 02:28	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 02:28	
Acetone	10 U	10	1	06/29/22 02:28	
Benzene	5.0 U	5.0	1	06/29/22 02:28	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 02:28	
Bromoform	5.0 U	5.0	1	06/29/22 02:28	
Bromomethane	5.0 U	5.0	1	06/29/22 02:28	
Carbon Disulfide	10 U	10	1	06/29/22 02:28	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 02:28	
Chlorobenzene	5.0 U	5.0	1	06/29/22 02:28	
Chloroethane	5.0 U	5.0	1	06/29/22 02:28	
Chloroform	5.0 U	5.0	1	06/29/22 02:28	
Chloromethane	5.0 U	5.0	1	06/29/22 02:28	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 02:28	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 02:28	
Methylene Chloride	5.0 U	5.0	1	06/29/22 02:28	
Ethylbenzene	5.0 U	5.0	1	06/29/22 02:28	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 02:28	
Styrene	5.0 U	5.0	1	06/29/22 02:28	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 02:28	
Toluene	5.0 U	5.0	1	06/29/22 02:28	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 02:28	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 02:28	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 02:28	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 02:28	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 02:28	
o-Xylene	5.0 U	5.0	1	06/29/22 02:28	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 02:28	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 02:28	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 11:55
Date Received: 06/22/22 16:05

Sample Name: MW-17_062222
Lab Code: R2205713-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	06/29/22 02:28	
Dibromofluoromethane	100	80 - 116	06/29/22 02:28	
Toluene-d8	104	87 - 121	06/29/22 02:28	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 12:30
Date Received: 06/22/22 16:05

Sample Name: MW-12M_062222
Lab Code: R2205713-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 02:50	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 02:50	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 02:50	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 02:50	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 02:50	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 02:50	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 02:50	
2-Butanone (MEK)	10 U	10	1	06/29/22 02:50	
2-Hexanone	10 U	10	1	06/29/22 02:50	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 02:50	
Acetone	10 U	10	1	06/29/22 02:50	
Benzene	5.0 U	5.0	1	06/29/22 02:50	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 02:50	
Bromoform	5.0 U	5.0	1	06/29/22 02:50	
Bromomethane	5.0 U	5.0	1	06/29/22 02:50	
Carbon Disulfide	10 U	10	1	06/29/22 02:50	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 02:50	
Chlorobenzene	5.0 U	5.0	1	06/29/22 02:50	
Chloroethane	5.0 U	5.0	1	06/29/22 02:50	
Chloroform	5.0 U	5.0	1	06/29/22 02:50	
Chloromethane	5.0 U	5.0	1	06/29/22 02:50	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 02:50	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 02:50	
Methylene Chloride	5.0 U	5.0	1	06/29/22 02:50	
Ethylbenzene	5.0 U	5.0	1	06/29/22 02:50	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 02:50	
Styrene	5.0 U	5.0	1	06/29/22 02:50	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 02:50	
Toluene	5.0 U	5.0	1	06/29/22 02:50	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 02:50	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 02:50	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 02:50	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 02:50	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 02:50	
o-Xylene	5.0 U	5.0	1	06/29/22 02:50	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 02:50	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 02:50	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 12:30
Date Received: 06/22/22 16:05

Sample Name: MW-12M_062222
Lab Code: R2205713-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	06/29/22 02:50	
Dibromofluoromethane	101	80 - 116	06/29/22 02:50	
Toluene-d8	103	87 - 121	06/29/22 02:50	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 12:45
Date Received: 06/22/22 16:05

Sample Name: Downstream_062222
Lab Code: R2205713-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 03:12	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 03:12	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 03:12	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 03:12	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 03:12	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 03:12	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 03:12	
2-Butanone (MEK)	10 U	10	1	06/29/22 03:12	
2-Hexanone	10 U	10	1	06/29/22 03:12	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 03:12	
Acetone	10 U	10	1	06/29/22 03:12	
Benzene	5.0 U	5.0	1	06/29/22 03:12	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 03:12	
Bromoform	5.0 U	5.0	1	06/29/22 03:12	
Bromomethane	5.0 U	5.0	1	06/29/22 03:12	
Carbon Disulfide	10 U	10	1	06/29/22 03:12	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 03:12	
Chlorobenzene	5.0 U	5.0	1	06/29/22 03:12	
Chloroethane	5.0 U	5.0	1	06/29/22 03:12	
Chloroform	5.0 U	5.0	1	06/29/22 03:12	
Chloromethane	5.0 U	5.0	1	06/29/22 03:12	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 03:12	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 03:12	
Methylene Chloride	5.0 U	5.0	1	06/29/22 03:12	
Ethylbenzene	5.0 U	5.0	1	06/29/22 03:12	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 03:12	
Styrene	5.0 U	5.0	1	06/29/22 03:12	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 03:12	
Toluene	5.0 U	5.0	1	06/29/22 03:12	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 03:12	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 03:12	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 03:12	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 03:12	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 03:12	
o-Xylene	5.0 U	5.0	1	06/29/22 03:12	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 03:12	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 03:12	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 12:45
Date Received: 06/22/22 16:05

Sample Name: Downstream_062222
Lab Code: R2205713-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	06/29/22 03:12	
Dibromofluoromethane	104	80 - 116	06/29/22 03:12	
Toluene-d8	105	87 - 121	06/29/22 03:12	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 13:05
Date Received: 06/22/22 16:05

Sample Name: MW-13S_062222
Lab Code: R2205713-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 03:34	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 03:34	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 03:34	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 03:34	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 03:34	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 03:34	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 03:34	
2-Butanone (MEK)	10 U	10	1	06/29/22 03:34	
2-Hexanone	10 U	10	1	06/29/22 03:34	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 03:34	
Acetone	10 U	10	1	06/29/22 03:34	
Benzene	5.0 U	5.0	1	06/29/22 03:34	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 03:34	
Bromoform	5.0 U	5.0	1	06/29/22 03:34	
Bromomethane	5.0 U	5.0	1	06/29/22 03:34	
Carbon Disulfide	10 U	10	1	06/29/22 03:34	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 03:34	
Chlorobenzene	5.0 U	5.0	1	06/29/22 03:34	
Chloroethane	5.0 U	5.0	1	06/29/22 03:34	
Chloroform	5.0 U	5.0	1	06/29/22 03:34	
Chloromethane	5.0 U	5.0	1	06/29/22 03:34	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 03:34	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 03:34	
Methylene Chloride	5.0 U	5.0	1	06/29/22 03:34	
Ethylbenzene	5.0 U	5.0	1	06/29/22 03:34	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 03:34	
Styrene	5.0 U	5.0	1	06/29/22 03:34	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 03:34	
Toluene	5.0 U	5.0	1	06/29/22 03:34	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 03:34	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 03:34	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 03:34	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 03:34	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 03:34	
o-Xylene	5.0 U	5.0	1	06/29/22 03:34	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 03:34	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 03:34	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 13:05
Date Received: 06/22/22 16:05

Sample Name: MW-13S_062222
Lab Code: R2205713-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/29/22 03:34	
Dibromofluoromethane	101	80 - 116	06/29/22 03:34	
Toluene-d8	103	87 - 121	06/29/22 03:34	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 13:50
Date Received: 06/22/22 16:05

Sample Name: PW-10_062222
Lab Code: R2205713-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 03:56	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 03:56	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 03:56	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 03:56	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 03:56	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 03:56	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 03:56	
2-Butanone (MEK)	10 U	10	1	06/29/22 03:56	
2-Hexanone	10 U	10	1	06/29/22 03:56	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 03:56	
Acetone	10 U	10	1	06/29/22 03:56	
Benzene	5.0 U	5.0	1	06/29/22 03:56	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 03:56	
Bromoform	5.0 U	5.0	1	06/29/22 03:56	
Bromomethane	5.0 U	5.0	1	06/29/22 03:56	
Carbon Disulfide	10 U	10	1	06/29/22 03:56	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 03:56	
Chlorobenzene	5.0 U	5.0	1	06/29/22 03:56	
Chloroethane	5.0 U	5.0	1	06/29/22 03:56	
Chloroform	5.0 U	5.0	1	06/29/22 03:56	
Chloromethane	5.0 U	5.0	1	06/29/22 03:56	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 03:56	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 03:56	
Methylene Chloride	5.0 U	5.0	1	06/29/22 03:56	
Ethylbenzene	5.0 U	5.0	1	06/29/22 03:56	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 03:56	
Styrene	5.0 U	5.0	1	06/29/22 03:56	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 03:56	
Toluene	5.0 U	5.0	1	06/29/22 03:56	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 03:56	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 03:56	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 03:56	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 03:56	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 03:56	
o-Xylene	5.0 U	5.0	1	06/29/22 03:56	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 03:56	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 03:56	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 13:50
Date Received: 06/22/22 16:05

Sample Name: PW-10_062222
Lab Code: R2205713-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	06/29/22 03:56	
Dibromofluoromethane	103	80 - 116	06/29/22 03:56	
Toluene-d8	105	87 - 121	06/29/22 03:56	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45

Sample Name: Trip Blank_062322
Lab Code: R2205713-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 04:18	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 04:18	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 04:18	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 04:18	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 04:18	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 04:18	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 04:18	
2-Butanone (MEK)	10 U	10	1	06/29/22 04:18	
2-Hexanone	10 U	10	1	06/29/22 04:18	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 04:18	
Acetone	10 U	10	1	06/29/22 04:18	
Benzene	5.0 U	5.0	1	06/29/22 04:18	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 04:18	
Bromoform	5.0 U	5.0	1	06/29/22 04:18	
Bromomethane	5.0 U	5.0	1	06/29/22 04:18	
Carbon Disulfide	10 U	10	1	06/29/22 04:18	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 04:18	
Chlorobenzene	5.0 U	5.0	1	06/29/22 04:18	
Chloroethane	5.0 U	5.0	1	06/29/22 04:18	
Chloroform	5.0 U	5.0	1	06/29/22 04:18	
Chloromethane	5.0 U	5.0	1	06/29/22 04:18	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 04:18	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 04:18	
Methylene Chloride	5.0 U	5.0	1	06/29/22 04:18	
Ethylbenzene	5.0 U	5.0	1	06/29/22 04:18	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 04:18	
Styrene	5.0 U	5.0	1	06/29/22 04:18	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 04:18	
Toluene	5.0 U	5.0	1	06/29/22 04:18	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 04:18	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 04:18	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 04:18	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 04:18	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 04:18	
o-Xylene	5.0 U	5.0	1	06/29/22 04:18	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 04:18	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 04:18	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45

Sample Name: Trip Blank_062322
Lab Code: R2205713-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	06/29/22 04:18	
Dibromofluoromethane	102	80 - 116	06/29/22 04:18	
Toluene-d8	102	87 - 121	06/29/22 04:18	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45

Sample Name: MW-12D_062322
Lab Code: R2205713-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 04:39	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 04:39	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 04:39	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 04:39	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 04:39	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 04:39	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 04:39	
2-Butanone (MEK)	10 U	10	1	06/29/22 04:39	
2-Hexanone	10 U	10	1	06/29/22 04:39	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 04:39	
Acetone	11	10	1	06/29/22 04:39	
Benzene	5.0 U	5.0	1	06/29/22 04:39	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 04:39	
Bromoform	5.0 U	5.0	1	06/29/22 04:39	
Bromomethane	5.0 U	5.0	1	06/29/22 04:39	
Carbon Disulfide	10 U	10	1	06/29/22 04:39	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 04:39	
Chlorobenzene	5.0 U	5.0	1	06/29/22 04:39	
Chloroethane	5.0 U	5.0	1	06/29/22 04:39	
Chloroform	5.0 U	5.0	1	06/29/22 04:39	
Chloromethane	5.0 U	5.0	1	06/29/22 04:39	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 04:39	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 04:39	
Methylene Chloride	5.0 U	5.0	1	06/29/22 04:39	
Ethylbenzene	5.0 U	5.0	1	06/29/22 04:39	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 04:39	
Styrene	5.0 U	5.0	1	06/29/22 04:39	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 04:39	
Toluene	5.0 U	5.0	1	06/29/22 04:39	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 04:39	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 04:39	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 04:39	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 04:39	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 04:39	
o-Xylene	5.0 U	5.0	1	06/29/22 04:39	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 04:39	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 04:39	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45

Sample Name: MW-12D_062322
Lab Code: R2205713-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	06/29/22 04:39	
Dibromofluoromethane	104	80 - 116	06/29/22 04:39	
Toluene-d8	105	87 - 121	06/29/22 04:39	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45

Sample Name: MW-12D Dup_062322
Lab Code: R2205713-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 14:12	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 14:12	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 14:12	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 14:12	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 14:12	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 14:12	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 14:12	
2-Butanone (MEK)	10 U	10	1	06/29/22 14:12	
2-Hexanone	10 U	10	1	06/29/22 14:12	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 14:12	
Acetone	11	10	1	06/29/22 14:12	
Benzene	5.0 U	5.0	1	06/29/22 14:12	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 14:12	
Bromoform	5.0 U	5.0	1	06/29/22 14:12	
Bromomethane	5.0 U	5.0	1	06/29/22 14:12	
Carbon Disulfide	10 U	10	1	06/29/22 14:12	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 14:12	
Chlorobenzene	5.0 U	5.0	1	06/29/22 14:12	
Chloroethane	5.0 U	5.0	1	06/29/22 14:12	
Chloroform	5.0 U	5.0	1	06/29/22 14:12	
Chloromethane	5.0 U	5.0	1	06/29/22 14:12	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 14:12	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 14:12	
Methylene Chloride	5.0 U	5.0	1	06/29/22 14:12	
Ethylbenzene	5.0 U	5.0	1	06/29/22 14:12	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 14:12	
Styrene	5.0 U	5.0	1	06/29/22 14:12	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 14:12	
Toluene	5.0 U	5.0	1	06/29/22 14:12	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 14:12	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 14:12	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 14:12	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 14:12	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 14:12	
o-Xylene	5.0 U	5.0	1	06/29/22 14:12	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 14:12	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 14:12	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45

Sample Name: MW-12D Dup_062322
Lab Code: R2205713-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	06/29/22 14:12	
Dibromofluoromethane	103	80 - 116	06/29/22 14:12	
Toluene-d8	105	87 - 121	06/29/22 14:12	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 09:40
Date Received: 06/23/22 15:45

Sample Name: MW-1S_062322
Lab Code: R2205713-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 05:23	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 05:23	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 05:23	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 05:23	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 05:23	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 05:23	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 05:23	
2-Butanone (MEK)	10 U	10	1	06/29/22 05:23	
2-Hexanone	10 U	10	1	06/29/22 05:23	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 05:23	
Acetone	10 U	10	1	06/29/22 05:23	
Benzene	5.0 U	5.0	1	06/29/22 05:23	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 05:23	
Bromoform	5.0 U	5.0	1	06/29/22 05:23	
Bromomethane	5.0 U	5.0	1	06/29/22 05:23	
Carbon Disulfide	10 U	10	1	06/29/22 05:23	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 05:23	
Chlorobenzene	5.0 U	5.0	1	06/29/22 05:23	
Chloroethane	5.0 U	5.0	1	06/29/22 05:23	
Chloroform	5.0 U	5.0	1	06/29/22 05:23	
Chloromethane	5.0 U	5.0	1	06/29/22 05:23	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 05:23	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 05:23	
Methylene Chloride	5.0 U	5.0	1	06/29/22 05:23	
Ethylbenzene	5.0 U	5.0	1	06/29/22 05:23	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 05:23	
Styrene	5.0 U	5.0	1	06/29/22 05:23	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 05:23	
Toluene	5.0 U	5.0	1	06/29/22 05:23	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 05:23	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 05:23	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 05:23	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 05:23	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 05:23	
o-Xylene	5.0 U	5.0	1	06/29/22 05:23	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 05:23	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 05:23	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 09:40
Date Received: 06/23/22 15:45

Sample Name: MW-1S_062322
Lab Code: R2205713-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/29/22 05:23	
Dibromofluoromethane	103	80 - 116	06/29/22 05:23	
Toluene-d8	104	87 - 121	06/29/22 05:23	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 10:10
Date Received: 06/23/22 15:45

Sample Name: MW-3S_062322
Lab Code: R2205713-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 05:45	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 05:45	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 05:45	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 05:45	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 05:45	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 05:45	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 05:45	
2-Butanone (MEK)	10 U	10	1	06/29/22 05:45	
2-Hexanone	10 U	10	1	06/29/22 05:45	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 05:45	
Acetone	10 U	10	1	06/29/22 05:45	
Benzene	5.0 U	5.0	1	06/29/22 05:45	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 05:45	
Bromoform	5.0 U	5.0	1	06/29/22 05:45	
Bromomethane	5.0 U	5.0	1	06/29/22 05:45	
Carbon Disulfide	10 U	10	1	06/29/22 05:45	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 05:45	
Chlorobenzene	5.0 U	5.0	1	06/29/22 05:45	
Chloroethane	5.0 U	5.0	1	06/29/22 05:45	
Chloroform	5.0 U	5.0	1	06/29/22 05:45	
Chloromethane	5.0 U	5.0	1	06/29/22 05:45	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 05:45	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 05:45	
Methylene Chloride	5.0 U	5.0	1	06/29/22 05:45	
Ethylbenzene	5.0 U	5.0	1	06/29/22 05:45	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 05:45	
Styrene	5.0 U	5.0	1	06/29/22 05:45	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 05:45	
Toluene	5.0 U	5.0	1	06/29/22 05:45	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 05:45	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 05:45	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 05:45	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 05:45	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 05:45	
o-Xylene	5.0 U	5.0	1	06/29/22 05:45	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 05:45	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 05:45	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 10:10
Date Received: 06/23/22 15:45

Sample Name: MW-3S_062322
Lab Code: R2205713-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	06/29/22 05:45	
Dibromofluoromethane	102	80 - 116	06/29/22 05:45	
Toluene-d8	104	87 - 121	06/29/22 05:45	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 10:30
Date Received: 06/23/22 15:45

Sample Name: MW-4D_062322
Lab Code: R2205713-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 06:07	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 06:07	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 06:07	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 06:07	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 06:07	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 06:07	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 06:07	
2-Butanone (MEK)	10 U	10	1	06/29/22 06:07	
2-Hexanone	10 U	10	1	06/29/22 06:07	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 06:07	
Acetone	10 U	10	1	06/29/22 06:07	
Benzene	5.0 U	5.0	1	06/29/22 06:07	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 06:07	
Bromoform	5.0 U	5.0	1	06/29/22 06:07	
Bromomethane	5.0 U	5.0	1	06/29/22 06:07	
Carbon Disulfide	10 U	10	1	06/29/22 06:07	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 06:07	
Chlorobenzene	5.0 U	5.0	1	06/29/22 06:07	
Chloroethane	5.0 U	5.0	1	06/29/22 06:07	
Chloroform	5.0 U	5.0	1	06/29/22 06:07	
Chloromethane	5.0 U	5.0	1	06/29/22 06:07	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 06:07	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 06:07	
Methylene Chloride	5.0 U	5.0	1	06/29/22 06:07	
Ethylbenzene	5.0 U	5.0	1	06/29/22 06:07	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 06:07	
Styrene	5.0 U	5.0	1	06/29/22 06:07	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 06:07	
Toluene	5.0 U	5.0	1	06/29/22 06:07	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 06:07	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 06:07	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 06:07	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 06:07	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 06:07	
o-Xylene	5.0 U	5.0	1	06/29/22 06:07	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 06:07	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 06:07	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 10:30
Date Received: 06/23/22 15:45

Sample Name: MW-4D_062322
Lab Code: R2205713-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	06/29/22 06:07	
Dibromofluoromethane	103	80 - 116	06/29/22 06:07	
Toluene-d8	104	87 - 121	06/29/22 06:07	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 11:05
Date Received: 06/23/22 15:45

Sample Name: MW-4S_062322
Lab Code: R2205713-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	78	5.0	1	06/29/22 06:28	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 06:28	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 06:28	
1,1-Dichloroethane (1,1-DCA)	29	5.0	1	06/29/22 06:28	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 06:28	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 06:28	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 06:28	
2-Butanone (MEK)	10 U	10	1	06/29/22 06:28	
2-Hexanone	10 U	10	1	06/29/22 06:28	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 06:28	
Acetone	10 U	10	1	06/29/22 06:28	
Benzene	5.0 U	5.0	1	06/29/22 06:28	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 06:28	
Bromoform	5.0 U	5.0	1	06/29/22 06:28	
Bromomethane	5.0 U	5.0	1	06/29/22 06:28	
Carbon Disulfide	10 U	10	1	06/29/22 06:28	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 06:28	
Chlorobenzene	5.0 U	5.0	1	06/29/22 06:28	
Chloroethane	5.0 U	5.0	1	06/29/22 06:28	
Chloroform	5.0 U	5.0	1	06/29/22 06:28	
Chloromethane	5.0 U	5.0	1	06/29/22 06:28	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 06:28	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 06:28	
Methylene Chloride	5.0 U	5.0	1	06/29/22 06:28	
Ethylbenzene	5.0 U	5.0	1	06/29/22 06:28	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 06:28	
Styrene	5.0 U	5.0	1	06/29/22 06:28	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 06:28	
Toluene	5.0 U	5.0	1	06/29/22 06:28	
Trichloroethene (TCE)	21	5.0	1	06/29/22 06:28	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 06:28	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 06:28	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 06:28	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 06:28	
o-Xylene	5.0 U	5.0	1	06/29/22 06:28	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 06:28	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 06:28	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 11:05
Date Received: 06/23/22 15:45

Sample Name: MW-4S_062322
Lab Code: R2205713-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	06/29/22 06:28	
Dibromofluoromethane	101	80 - 116	06/29/22 06:28	
Toluene-d8	101	87 - 121	06/29/22 06:28	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 11:35
Date Received: 06/23/22 15:45

Sample Name: MW-PZ-2_062322
Lab Code: R2205713-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 06:50	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 06:50	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 06:50	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 06:50	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 06:50	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 06:50	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 06:50	
2-Butanone (MEK)	10 U	10	1	06/29/22 06:50	
2-Hexanone	10 U	10	1	06/29/22 06:50	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 06:50	
Acetone	10 U	10	1	06/29/22 06:50	
Benzene	5.0 U	5.0	1	06/29/22 06:50	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 06:50	
Bromoform	5.0 U	5.0	1	06/29/22 06:50	
Bromomethane	5.0 U	5.0	1	06/29/22 06:50	
Carbon Disulfide	10 U	10	1	06/29/22 06:50	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 06:50	
Chlorobenzene	5.0 U	5.0	1	06/29/22 06:50	
Chloroethane	5.0 U	5.0	1	06/29/22 06:50	
Chloroform	5.0 U	5.0	1	06/29/22 06:50	
Chloromethane	5.0 U	5.0	1	06/29/22 06:50	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 06:50	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 06:50	
Methylene Chloride	5.0 U	5.0	1	06/29/22 06:50	
Ethylbenzene	5.0 U	5.0	1	06/29/22 06:50	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 06:50	
Styrene	5.0 U	5.0	1	06/29/22 06:50	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 06:50	
Toluene	5.0 U	5.0	1	06/29/22 06:50	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 06:50	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 06:50	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 06:50	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 06:50	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 06:50	
o-Xylene	5.0 U	5.0	1	06/29/22 06:50	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 06:50	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 06:50	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 11:35
Date Received: 06/23/22 15:45

Sample Name: MW-PZ-2_062322
Lab Code: R2205713-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	06/29/22 06:50	
Dibromofluoromethane	100	80 - 116	06/29/22 06:50	
Toluene-d8	100	87 - 121	06/29/22 06:50	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 12:00
Date Received: 06/23/22 15:45

Sample Name: MW-16_062322
Lab Code: R2205713-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 07:12	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 07:12	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 07:12	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 07:12	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 07:12	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 07:12	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 07:12	
2-Butanone (MEK)	10 U	10	1	06/29/22 07:12	
2-Hexanone	10 U	10	1	06/29/22 07:12	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 07:12	
Acetone	10 U	10	1	06/29/22 07:12	
Benzene	5.0 U	5.0	1	06/29/22 07:12	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 07:12	
Bromoform	5.0 U	5.0	1	06/29/22 07:12	
Bromomethane	5.0 U	5.0	1	06/29/22 07:12	
Carbon Disulfide	10 U	10	1	06/29/22 07:12	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 07:12	
Chlorobenzene	5.0 U	5.0	1	06/29/22 07:12	
Chloroethane	5.0 U	5.0	1	06/29/22 07:12	
Chloroform	5.0 U	5.0	1	06/29/22 07:12	
Chloromethane	5.0 U	5.0	1	06/29/22 07:12	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 07:12	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 07:12	
Methylene Chloride	5.0 U	5.0	1	06/29/22 07:12	
Ethylbenzene	5.0 U	5.0	1	06/29/22 07:12	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 07:12	
Styrene	5.0 U	5.0	1	06/29/22 07:12	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 07:12	
Toluene	5.0 U	5.0	1	06/29/22 07:12	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 07:12	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 07:12	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 07:12	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 07:12	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 07:12	
o-Xylene	5.0 U	5.0	1	06/29/22 07:12	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 07:12	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 07:12	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 12:00
Date Received: 06/23/22 15:45

Sample Name: MW-16_062322
Lab Code: R2205713-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	06/29/22 07:12	
Dibromofluoromethane	104	80 - 116	06/29/22 07:12	
Toluene-d8	105	87 - 121	06/29/22 07:12	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 10:45
Date Received: 06/23/22 15:45

Sample Name: PW-5_062322
Lab Code: R2205713-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 14:34	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 14:34	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 14:34	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 14:34	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 14:34	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 14:34	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 14:34	
2-Butanone (MEK)	10 U	10	1	06/29/22 14:34	
2-Hexanone	10 U	10	1	06/29/22 14:34	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 14:34	
Acetone	10 U	10	1	06/29/22 14:34	
Benzene	5.0 U	5.0	1	06/29/22 14:34	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 14:34	
Bromoform	5.0 U	5.0	1	06/29/22 14:34	
Bromomethane	5.0 U	5.0	1	06/29/22 14:34	
Carbon Disulfide	10 U	10	1	06/29/22 14:34	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 14:34	
Chlorobenzene	5.0 U	5.0	1	06/29/22 14:34	
Chloroethane	5.0 U	5.0	1	06/29/22 14:34	
Chloroform	5.0 U	5.0	1	06/29/22 14:34	
Chloromethane	5.0 U	5.0	1	06/29/22 14:34	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 14:34	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 14:34	
Methylene Chloride	5.0 U	5.0	1	06/29/22 14:34	
Ethylbenzene	5.0 U	5.0	1	06/29/22 14:34	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 14:34	
Styrene	5.0 U	5.0	1	06/29/22 14:34	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 14:34	
Toluene	5.0 U	5.0	1	06/29/22 14:34	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 14:34	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 14:34	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 14:34	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 14:34	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 14:34	
o-Xylene	5.0 U	5.0	1	06/29/22 14:34	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 14:34	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 14:34	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 10:45
Date Received: 06/23/22 15:45

Sample Name: PW-5_062322
Lab Code: R2205713-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	06/29/22 14:34	
Dibromofluoromethane	104	80 - 116	06/29/22 14:34	
Toluene-d8	105	87 - 121	06/29/22 14:34	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 11:20
Date Received: 06/23/22 15:45

Sample Name: PW-1_062322
Lab Code: R2205713-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 14:56	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 14:56	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 14:56	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 14:56	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 14:56	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 14:56	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 14:56	
2-Butanone (MEK)	10 U	10	1	06/29/22 14:56	
2-Hexanone	10 U	10	1	06/29/22 14:56	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 14:56	
Acetone	10 U	10	1	06/29/22 14:56	
Benzene	5.0 U	5.0	1	06/29/22 14:56	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 14:56	
Bromoform	5.0 U	5.0	1	06/29/22 14:56	
Bromomethane	5.0 U	5.0	1	06/29/22 14:56	
Carbon Disulfide	10 U	10	1	06/29/22 14:56	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 14:56	
Chlorobenzene	5.0 U	5.0	1	06/29/22 14:56	
Chloroethane	5.0 U	5.0	1	06/29/22 14:56	
Chloroform	5.0 U	5.0	1	06/29/22 14:56	
Chloromethane	5.0 U	5.0	1	06/29/22 14:56	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 14:56	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 14:56	
Methylene Chloride	5.0 U	5.0	1	06/29/22 14:56	
Ethylbenzene	5.0 U	5.0	1	06/29/22 14:56	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 14:56	
Styrene	5.0 U	5.0	1	06/29/22 14:56	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 14:56	
Toluene	5.0 U	5.0	1	06/29/22 14:56	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 14:56	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 14:56	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 14:56	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 14:56	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 14:56	
o-Xylene	5.0 U	5.0	1	06/29/22 14:56	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 14:56	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 14:56	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 11:20
Date Received: 06/23/22 15:45

Sample Name: PW-1_062322
Lab Code: R2205713-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	06/29/22 14:56	
Dibromofluoromethane	106	80 - 116	06/29/22 14:56	
Toluene-d8	106	87 - 121	06/29/22 14:56	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 12:10
Date Received: 06/23/22 15:45

Sample Name: MW-8D_062322
Lab Code: R2205713-019

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 15:18	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 15:18	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 15:18	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 15:18	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 15:18	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 15:18	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 15:18	
2-Butanone (MEK)	10 U	10	1	06/29/22 15:18	
2-Hexanone	10 U	10	1	06/29/22 15:18	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 15:18	
Acetone	10 U	10	1	06/29/22 15:18	
Benzene	5.0 U	5.0	1	06/29/22 15:18	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 15:18	
Bromoform	5.0 U	5.0	1	06/29/22 15:18	
Bromomethane	5.0 U	5.0	1	06/29/22 15:18	
Carbon Disulfide	10 U	10	1	06/29/22 15:18	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 15:18	
Chlorobenzene	5.0 U	5.0	1	06/29/22 15:18	
Chloroethane	5.0 U	5.0	1	06/29/22 15:18	
Chloroform	5.0 U	5.0	1	06/29/22 15:18	
Chloromethane	5.0 U	5.0	1	06/29/22 15:18	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 15:18	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 15:18	
Methylene Chloride	5.0 U	5.0	1	06/29/22 15:18	
Ethylbenzene	5.0 U	5.0	1	06/29/22 15:18	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 15:18	
Styrene	5.0 U	5.0	1	06/29/22 15:18	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 15:18	
Toluene	5.0 U	5.0	1	06/29/22 15:18	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 15:18	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 15:18	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 15:18	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 15:18	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 15:18	
o-Xylene	5.0 U	5.0	1	06/29/22 15:18	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 15:18	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 15:18	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 12:10
Date Received: 06/23/22 15:45

Sample Name: MW-8D_062322
Lab Code: R2205713-019

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/29/22 15:18	
Dibromofluoromethane	97	80 - 116	06/29/22 15:18	
Toluene-d8	102	87 - 121	06/29/22 15:18	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 13:05
Date Received: 06/23/22 15:45

Sample Name: MW-15_062322
Lab Code: R2205713-020

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 15:40	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 15:40	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 15:40	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 15:40	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 15:40	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 15:40	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 15:40	
2-Butanone (MEK)	10 U	10	1	06/29/22 15:40	
2-Hexanone	10 U	10	1	06/29/22 15:40	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 15:40	
Acetone	10 U	10	1	06/29/22 15:40	
Benzene	5.0 U	5.0	1	06/29/22 15:40	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 15:40	
Bromoform	5.0 U	5.0	1	06/29/22 15:40	
Bromomethane	5.0 U	5.0	1	06/29/22 15:40	
Carbon Disulfide	10 U	10	1	06/29/22 15:40	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 15:40	
Chlorobenzene	5.0 U	5.0	1	06/29/22 15:40	
Chloroethane	5.0 U	5.0	1	06/29/22 15:40	
Chloroform	5.0 U	5.0	1	06/29/22 15:40	
Chloromethane	5.0 U	5.0	1	06/29/22 15:40	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 15:40	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 15:40	
Methylene Chloride	5.0 U	5.0	1	06/29/22 15:40	
Ethylbenzene	5.0 U	5.0	1	06/29/22 15:40	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 15:40	
Styrene	5.0 U	5.0	1	06/29/22 15:40	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 15:40	
Toluene	5.0 U	5.0	1	06/29/22 15:40	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 15:40	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 15:40	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 15:40	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 15:40	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 15:40	
o-Xylene	5.0 U	5.0	1	06/29/22 15:40	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 15:40	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 15:40	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 13:05
Date Received: 06/23/22 15:45

Sample Name: MW-15_062322
Lab Code: R2205713-020

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	06/29/22 15:40	
Dibromofluoromethane	103	80 - 116	06/29/22 15:40	
Toluene-d8	105	87 - 121	06/29/22 15:40	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 13:40
Date Received: 06/23/22 15:45

Sample Name: MW-5S_062322
Lab Code: R2205713-021

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 16:02	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 16:02	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 16:02	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 16:02	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 16:02	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 16:02	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 16:02	
2-Butanone (MEK)	10 U	10	1	06/29/22 16:02	
2-Hexanone	10 U	10	1	06/29/22 16:02	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 16:02	
Acetone	10 U	10	1	06/29/22 16:02	
Benzene	5.0 U	5.0	1	06/29/22 16:02	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 16:02	
Bromoform	5.0 U	5.0	1	06/29/22 16:02	
Bromomethane	5.0 U	5.0	1	06/29/22 16:02	
Carbon Disulfide	10 U	10	1	06/29/22 16:02	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 16:02	
Chlorobenzene	5.0 U	5.0	1	06/29/22 16:02	
Chloroethane	5.0 U	5.0	1	06/29/22 16:02	
Chloroform	5.0 U	5.0	1	06/29/22 16:02	
Chloromethane	5.0 U	5.0	1	06/29/22 16:02	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 16:02	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 16:02	
Methylene Chloride	5.0 U	5.0	1	06/29/22 16:02	
Ethylbenzene	5.0 U	5.0	1	06/29/22 16:02	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 16:02	
Styrene	5.0 U	5.0	1	06/29/22 16:02	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 16:02	
Toluene	5.0 U	5.0	1	06/29/22 16:02	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 16:02	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 16:02	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 16:02	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 16:02	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 16:02	
o-Xylene	5.0 U	5.0	1	06/29/22 16:02	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 16:02	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 16:02	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 13:40
Date Received: 06/23/22 15:45

Sample Name: MW-5S_062322
Lab Code: R2205713-021

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	06/29/22 16:02	
Dibromofluoromethane	105	80 - 116	06/29/22 16:02	
Toluene-d8	106	87 - 121	06/29/22 16:02	



Metals

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PZ-3_062222

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-002

Level (low/med): LOW Date Received: 6/22/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	83.8			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	159000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	1800			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	55900			P
7439-96-5	Manganese	62.3			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	3060			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	13600			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-17_062222

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-003

Level (low/med): LOW Date Received: 6/22/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	129			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	110000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	27.0			P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	131000			P
7439-96-5	Manganese	71.5			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	4870			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	31000			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	45.4			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-12M_062222

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-004

Level (low/med): LOW Date Received: 6/22/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	380			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	61300			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	230			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	33100			P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	2000	U		P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	18900			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Downstream_062222

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-005

Level (low/med): LOW Date Received: 6/22/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	945			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	76.1			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	91300			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	902			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	33800			P
7439-96-5	Manganese	34.2			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	4010			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	29600			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-13S_062222

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-006

Level (low/med): LOW Date Received: 6/22/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	276			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	158			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	91600			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	222			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	33700			P
7439-96-5	Manganese	32.6			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	2000	U		P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	13900			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PW-10_062222

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-007

Level (low/med): LOW Date Received: 6/22/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	99.1			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	83300			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	36500			P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	2320			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	14500			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-12D_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-009

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	101			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	64.9			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	28100			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	130			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	2840			P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	7460			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	93500			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-12D Dup_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-010

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	63.8			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	27300			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	101			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	2760			P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	7440			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	93400			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-1S_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-011

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	102			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	223			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	88400			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	2230			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	37000			P
7439-96-5	Manganese	97.2			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	2000	U		P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	10800			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-3S_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-012

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	707			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	66.7			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	55700			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	636			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	87100			P
7439-96-5	Manganese	26.7			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	3750			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	23800			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4D_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-013

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1540			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	149			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	274			P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	20500			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	2540			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	6670			P
7439-96-5	Manganese	115			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	2860			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	289000			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLOUDY Artifacts: _____

Comments: _____

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4S_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-014

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	130			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	197			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	189000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	2200			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	52400			P
7439-96-5	Manganese	1260			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	4720			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	15200			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-PZ-2_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-015

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	566			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	238			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	222000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	15900			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	124000			P
7439-96-5	Manganese	620			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5730			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	319000			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-16_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-016

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	34400			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	13.8			P
7440-39-3	Barium	261			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	176000			P
7440-47-3	Chromium	46.0			P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	44.7			P
7439-89-6	Iron	40600			P
7439-92-1	Lead	19.4			P
7439-95-4	Magnesium	60000			P
7439-96-5	Manganese	1050			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	11300			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	8820			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	63.5			P
7440-66-6	Zinc	132			P

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: TAN Clarity After: CLOUDY Artifacts: _____

Comments: _____

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PW-5_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-017

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	134			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	143			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	139000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	228			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	28500			P
7439-96-5	Manganese	16.2			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	6470			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	5030			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PW-1_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-018

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	79.9			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	163000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	153			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	58100			P
7439-96-5	Manganese	3350			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	6820			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	59700			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-8D_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-019

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	276			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	20.7			P
7440-39-3	Barium	133			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	78400			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	4140			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	26700			P
7439-96-5	Manganese	75.1			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	2000	U		P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	64000			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-15_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-020

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	16.4			P
7440-39-3	Barium	688			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	65800			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	7410			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	36600			P
7439-96-5	Manganese	126			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	16500			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	39400			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-5S_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-021

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	40.3			P
7440-39-3	Barium	209			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	150000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	31100			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	55900			P
7439-96-5	Manganese	719			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	4180			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	90500			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____



General Chemistry

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 11:20
Date Received: 06/22/22 16:05

Sample Name: PZ-3_062222
Lab Code: R2205713-002

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	602	mg/L	2.0	1	06/23/22 13:21	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	06/28/22 21:32	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/23/22 09:12	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 18:04	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	2.6	mg/L	1.0	1	06/26/22 00:09	NA	
Chemical Oxygen Demand, Total	410.4	6.6	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	6.3	mg/L	2.0	10	06/23/22 12:35	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/22/22 22:34	NA	
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	06/23/22 08:25	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 16:08	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	627	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/23/22 12:35	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.54	mg/L	0.20	1	07/01/22 12:02	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	6.88	pH Units	-	1	06/23/22 08:25	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/27/22 20:23	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	712	mg/L	10	1	06/24/22 07:46	NA	
Sulfate	300.0	72.3	mg/L	2.0	10	06/23/22 12:35	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 11:55
Date Received: 06/22/22 16:05

Sample Name: MW-17_062222
Lab Code: R2205713-003

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	435	mg/L	2.0	1	06/23/22 14:30	NA	
Ammonia as Nitrogen, undistilled	350.1	0.507	mg/L	0.050	1	06/28/22 21:33	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/23/22 09:13	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 18:36	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.1	mg/L	1.0	1	06/26/22 00:18	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	291	mg/L	8.0	40	07/01/22 11:35	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/22/22 22:36	NA	
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	06/23/22 08:25	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 16:12	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	814	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/23/22 12:41	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.90	mg/L	0.20	1	07/01/22 12:04	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.13	pH Units	-	1	06/23/22 08:25	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/27/22 20:43	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	934	mg/L	10	1	06/24/22 07:46	NA	
Sulfate	300.0	71.3	mg/L	2.0	10	06/23/22 12:41	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 12:30
Date Received: 06/22/22 16:05

Sample Name: MW-12M_062222
Lab Code: R2205713-004

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	334	mg/L	2.0	1	06/23/22 14:37	NA	
Ammonia as Nitrogen, undistilled	350.1	0.107	mg/L	0.050	1	06/28/22 21:34	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/23/22 09:14	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 18:43	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.1	mg/L	1.0	1	06/26/22 00:27	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	2.7	mg/L	2.0	10	06/23/22 12:47	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/22/22 22:37	NA	
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	06/23/22 08:25	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 16:16	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	289	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/23/22 12:47	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.24	mg/L	0.20	1	07/01/22 12:05	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.94	pH Units	-	1	06/23/22 08:25	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/27/22 20:47	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	333	mg/L	10	1	06/24/22 07:46	NA	
Sulfate	300.0	12.5	mg/L	2.0	10	06/23/22 12:47	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 12:45
Date Received: 06/22/22 16:05

Sample Name: Downstream_062222
Lab Code: R2205713-005

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	398	mg/L	2.0	1	06/23/22 14:44	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	06/28/22 21:35	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/23/22 08:59	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 18:49	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	3.2	mg/L	1.0	1	06/26/22 00:37	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	17.0	mg/L	2.0	10	06/23/22 12:53	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/22/22 22:38	NA	
Color, True	SM 2120 B-2001(2011)	12.0	ColorUnits	1.0	1	06/23/22 08:25	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 16:20	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	367	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/23/22 12:53	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.30	mg/L	0.20	1	07/01/22 12:06	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	8.05	pH Units	-	1	06/23/22 08:25	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/27/22 20:51	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	448	mg/L	10	1	06/24/22 07:46	NA	
Sulfate	300.0	24.0	mg/L	2.0	10	06/23/22 12:53	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-13S_062222
Lab Code: R2205713-006

Service Request: R2205713
Date Collected: 06/22/22 13:05
Date Received: 06/22/22 16:05
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	375	mg/L	2.0	1	06/23/22 14:58	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	06/28/22 21:36	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/23/22 09:18	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 18:55	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	06/26/22 01:21	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	26.5	mg/L	2.0	10	06/23/22 13:00	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/22/22 22:38	NA	
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	06/23/22 08:25	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 16:24	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	368	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/23/22 13:00	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.21	mg/L	0.20	1	07/01/22 12:07	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.34	pH Units	-	1	06/23/22 08:25	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/27/22 20:55	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	411	mg/L	10	1	06/24/22 07:46	NA	
Sulfate	300.0	5.2	mg/L	2.0	10	06/23/22 13:00	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: PW-10_062222
Lab Code: R2205713-007

Service Request: R2205713
Date Collected: 06/22/22 13:50
Date Received: 06/22/22 16:05

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	381	mg/L	2.0	1	06/23/22 15:06	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	06/28/22 21:37	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/23/22 09:17	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 19:02	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	2.1	mg/L	1.0	1	06/26/22 01:30	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	11.1	mg/L	2.0	10	06/23/22 13:31	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/22/22 22:39	NA	
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	06/23/22 08:25	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 16:28	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	358	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/23/22 13:31	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	07/01/22 12:08	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.35	pH Units	-	1	06/23/22 08:25	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/27/22 20:59	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	383	mg/L	10	1	06/24/22 07:46	NA	
Sulfate	300.0	5.9	mg/L	2.0	10	06/23/22 13:31	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45

Sample Name: MW-12D_062322
Lab Code: R2205713-009

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	284	mg/L	2.0	1	06/27/22 09:46	NA	
Ammonia as Nitrogen, undistilled	350.1	5.70	mg/L	0.50	10	06/28/22 22:08	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.1	mg/L	2.0	1	06/24/22 08:57	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:09	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	7.7	mg/L	1.0	1	06/29/22 16:31	NA	
Chemical Oxygen Demand, Total	410.4	20.5	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	10.5	mg/L	2.0	10	06/24/22 08:09	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:23	NA	
Color, True	SM 2120 B-2001(2011)	11.0	ColorUnits	1.0	1	06/24/22 09:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 16:32	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	82.0	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:09	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	6.16	mg/L	0.20	1	07/01/22 12:09	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	6.56	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0057	mg/L	0.0050	1	06/27/22 21:07	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	369	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	06/24/22 08:09	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-12D Dup_062322
Lab Code: R2205713-010

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	282	mg/L	2.0	1	06/27/22 09:57	NA	
Ammonia as Nitrogen, undistilled	350.1	5.74	mg/L	0.50	10	06/28/22 22:09	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/24/22 09:03	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:15	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	7.1	mg/L	1.0	1	06/29/22 16:41	NA	
Chemical Oxygen Demand, Total	410.4	16.9	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	10.3	mg/L	2.0	10	06/24/22 08:15	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:25	NA	
Color, True	SM 2120 B-2001(2011)	12.0	ColorUnits	1.0	1	06/24/22 09:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 16:36	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	79.6	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:15	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	5.94	mg/L	0.20	1	07/01/22 12:10	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	6.93	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0058	mg/L	0.0050	1	06/27/22 21:11	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	307	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	06/24/22 08:15	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-1S_062322
Lab Code: R2205713-011

Service Request: R2205713
Date Collected: 06/23/22 09:40
Date Received: 06/23/22 15:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	362	mg/L	2.0	1	06/27/22 10:05	NA	
Ammonia as Nitrogen, undistilled	350.1	0.229	mg/L	0.050	1	06/28/22 21:44	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/24/22 08:58	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:21	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	06/29/22 16:51	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	5.6	mg/L	2.0	10	06/24/22 08:21	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:25	NA	
Color, True	SM 2120 B-2001(2011)	3.0	ColorUnits	1.0	1	06/24/22 09:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 16:56	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	373	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:21	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.47	mg/L	0.20	1	07/01/22 13:12	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.33	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/27/22 21:15	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	421	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	47.5	mg/L	2.0	10	06/24/22 08:21	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-3S_062322
Lab Code: R2205713-012

Service Request: R2205713
Date Collected: 06/23/22 10:10
Date Received: 06/23/22 15:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	496	mg/L	2.0	1	06/27/22 10:13	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	06/28/22 21:45	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/24/22 08:49	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:27	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	06/29/22 17:00	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	4.6	mg/L	2.0	10	06/24/22 08:27	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:26	NA	
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	06/24/22 09:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 17:00	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	498	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:27	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	07/01/22 13:12	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.47	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/27/22 21:20	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	530	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	52.4	mg/L	2.0	10	06/24/22 08:27	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 10:30
Date Received: 06/23/22 15:45

Sample Name: MW-4D_062322
Lab Code: R2205713-013

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	741	mg/L	2.0	1	06/27/22 10:24	NA	
Ammonia as Nitrogen, undistilled	350.1	2.20	mg/L	0.25	5	06/28/22 22:11	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	20.3	mg/L	2.0	1	06/24/22 08:48	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:34	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	19.7	mg/L	1.0	1	06/29/22 17:11	NA	
Chemical Oxygen Demand, Total	410.4	44.7	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	3.2	mg/L	2.0	10	06/24/22 08:34	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:27	NA	
Color, True	SM 2120 B-2001(2011)	35.0	ColorUnits	1.0	1	06/24/22 09:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 17:04	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	78.5	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:34	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	3.52	mg/L	0.20	1	07/01/22 13:13	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.76	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/05/22 15:43	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	820	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	06/24/22 08:34	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-4S_062322
Lab Code: R2205713-014

Service Request: R2205713
Date Collected: 06/23/22 11:05
Date Received: 06/23/22 15:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	585	mg/L	2.0	1	06/27/22 10:34	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	06/28/22 21:47	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/24/22 08:49	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:40	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	3.6	mg/L	1.0	1	06/29/22 17:21	NA	
Chemical Oxygen Demand, Total	410.4	6.3	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	7.3	mg/L	2.0	10	06/24/22 08:40	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:28	NA	
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	06/24/22 09:15	NA	
Cyanide, Total	Kelada-01	0.0153	mg/L	0.0050	1	07/01/22 17:08	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	689	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	7.5	mg/L	1.0	10	06/24/22 08:40	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.73	mg/L	0.20	1	07/01/22 13:14	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	6.84	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/05/22 15:47	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	824	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	125	mg/L	8.0	40	07/01/22 11:41	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-PZ-2_062322
Lab Code: R2205713-015

Service Request: R2205713
Date Collected: 06/23/22 11:35
Date Received: 06/23/22 15:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	966	mg/L	6.0	3	06/28/22 11:52	NA	
Ammonia as Nitrogen, undistilled	350.1	2.73	mg/L	0.25	5	06/28/22 22:12	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/24/22 08:52	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:46	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	5.4	mg/L	1.0	1	06/29/22 17:31	NA	
Chemical Oxygen Demand, Total	410.4	14.5	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	437	mg/L	10	50	07/01/22 11:47	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:28	NA	
Color, True	SM 2120 B-2001(2011)	3.0	ColorUnits	1.0	1	06/24/22 09:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 17:12	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1070	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:46	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	3.39	mg/L	0.20	1	07/01/22 13:15	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	6.84	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/05/22 15:51	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	1950	mg/L	20	1	06/27/22 09:15	NA	
Sulfate	300.0	207	mg/L	10	50	07/01/22 11:47	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-16_062322
Lab Code: R2205713-016

Service Request: R2205713
Date Collected: 06/23/22 12:00
Date Received: 06/23/22 15:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	364	mg/L	2.0	1	06/27/22 15:12	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	06/28/22 21:49	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/24/22 08:53	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 19:08	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.5	mg/L	1.0	1	06/29/22 17:40	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	4.2	mg/L	2.0	10	06/24/22 08:52	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:30	NA	
Color, True	SM 2120 B-2001(2011)	2.0	ColorUnits	1.0	1	06/24/22 09:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 17:16	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	686	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:52	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.54	mg/L	0.20	1	07/01/22 13:16	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.38	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/05/22 16:11	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	401	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	16.1	mg/L	2.0	10	06/24/22 08:52	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: PW-5_062322
Lab Code: R2205713-017

Service Request: R2205713
Date Collected: 06/23/22 10:45
Date Received: 06/23/22 15:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	499	mg/L	2.0	1	06/27/22 15:28	NA	
Ammonia as Nitrogen, undistilled	350.1	0.846	mg/L	0.050	1	06/28/22 21:38	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/24/22 08:51	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 19:52	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	2.0	mg/L	1.0	1	06/29/22 18:45	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	2.4	mg/L	2.0	10	06/24/22 09:24	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:31	NA	
Color, True	SM 2120 B-2001(2011)	2.0	ColorUnits	1.0	1	06/24/22 09:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 17:28	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	465	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 09:24	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	1.40	mg/L	0.20	1	07/01/22 13:20	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.36	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/05/22 16:23	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	504	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	6.6	mg/L	2.0	10	06/24/22 09:24	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: PW-1_062322
Lab Code: R2205713-018

Service Request: R2205713
Date Collected: 06/23/22 11:20
Date Received: 06/23/22 15:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	693	mg/L	2.0	1	06/27/22 15:38	NA	
Ammonia as Nitrogen, undistilled	350.1	4.79	mg/L	0.25	5	07/01/22 22:22	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/24/22 08:50	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 19:27	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	8.8	mg/L	1.0	1	06/29/22 18:55	NA	
Chemical Oxygen Demand, Total	410.4	21.4	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	106	mg/L	8.0	40	07/01/22 11:54	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:32	NA	
Color, True	SM 2120 B-2001(2011)	5.0	ColorUnits	1.0	1	06/24/22 09:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 17:32	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	647	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 09:30	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	5.38	mg/L	0.20	1	07/01/22 13:21	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	6.76	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/05/22 16:27	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	839	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	2.5	mg/L	2.0	10	06/24/22 09:30	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 12:10
Date Received: 06/23/22 15:45

Sample Name: MW-8D_062322
Lab Code: R2205713-019

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	434	mg/L	2.0	1	06/27/22 15:45	NA	
Ammonia as Nitrogen, undistilled	350.1	3.71	mg/L	0.25	5	07/01/22 22:23	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	6.6	mg/L	2.0	1	06/24/22 08:50	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 19:58	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	5.6	mg/L	1.0	1	06/29/22 19:05	NA	
Chemical Oxygen Demand, Total	410.4	13.0	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	33.6	mg/L	2.0	10	06/24/22 09:36	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:33	NA	
Color, True	SM 2120 B-2001(2011)	15.0	ColorUnits	1.0	1	06/24/22 09:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 17:52	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	305	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 09:36	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	3.99	mg/L	0.20	1	07/01/22 13:22	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.39	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/05/22 16:31	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	490	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	06/24/22 09:36	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-15_062322
Lab Code: R2205713-020

Service Request: R2205713
Date Collected: 06/23/22 13:05
Date Received: 06/23/22 15:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	479	mg/L	4.0	2	06/27/22 15:52	NA	
Ammonia as Nitrogen, undistilled	350.1	16.5	mg/L	1.0	20	07/01/22 22:24	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/24/22 08:59	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 20:04	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	8.2	mg/L	1.0	1	06/29/22 19:18	NA	
Chemical Oxygen Demand, Total	410.4	7.9	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	18.3	mg/L	2.0	10	06/24/22 09:43	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:34	NA	
Color, True	SM 2120 B-2001(2011)	4.0	ColorUnits	1.0	1	06/24/22 09:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 17:56	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	315	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 09:43	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	15.7	mg/L	1.0	5	07/01/22 13:36	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	6.98	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/05/22 16:35	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	443	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	06/24/22 09:43	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-5S_062322
Lab Code: R2205713-021

Service Request: R2205713
Date Collected: 06/23/22 13:40
Date Received: 06/23/22 15:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	770	mg/L	10	5	06/27/22 15:59	NA	
Ammonia as Nitrogen, undistilled	350.1	3.36	mg/L	0.25	5	07/01/22 22:25	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	8.9	mg/L	2.0	1	06/24/22 08:48	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 20:10	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	30.7	mg/L	1.0	1	06/29/22 19:29	NA	
Chemical Oxygen Demand, Total	410.4	73.5	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	52.7	mg/L	2.0	10	06/24/22 09:49	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:34	NA	
Color, True	SM 2120 B-2001(2011)	25.0	ColorUnits	1.0	1	06/24/22 09:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 18:00	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	605	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 09:49	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	4.56	mg/L	0.20	1	07/01/22 13:24	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	6.94	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/05/22 16:39	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	866	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	06/24/22 09:49	NA	



Field Data

ALS Environmental—Rochester Laboratory
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 11:20
Date Received: 06/22/22 16:05

Sample Name: PZ-3_062222
Lab Code: R2205713-002

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1138	uMHOS/cm	-	1	06/22/22 00:00	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-141	mV	-	1	06/22/22 00:00	
Oxygen, Dissolved	SM 4500-O G	0.59	mg/L	0.20	1	06/22/22 00:00	
pH, Field	SM 4500-H+ B	6.63	pH Units	-	1	06/22/22 00:00	
Temperature, Field	SM 2550 B	13.2	deg C	-	1	06/22/22 00:00	
Turbidity, Field	180.1	0.4	NTU	-	1	06/22/22 00:00	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 11:55
Date Received: 06/22/22 16:05

Sample Name: MW-17_062222
Lab Code: R2205713-003

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1696	uMHOS/cm	-	1	06/22/22 00:00	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	24.0	mV	-	1	06/22/22 00:00	
Oxygen, Dissolved	SM 4500-O G	2.68	mg/L	0.20	1	06/22/22 00:00	
pH, Field	SM 4500-H+ B	7.05	pH Units	-	1	06/22/22 00:00	
Temperature, Field	SM 2550 B	13.0	deg C	-	1	06/22/22 00:00	
Turbidity, Field	180.1	0.6	NTU	-	1	06/22/22 00:00	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-12M_062222
Lab Code: R2205713-004

Service Request: R2205713
Date Collected: 06/22/22 12:30
Date Received: 06/22/22 16:05

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	596	uMHOS/cm	-	1	06/22/22 00:00	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-120	mV	-	1	06/22/22 00:00	
Oxygen, Dissolved	SM 4500-O G	0.76	mg/L	0.20	1	06/22/22 00:00	
pH, Field	SM 4500-H+ B	7.80	pH Units	-	1	06/22/22 00:00	
Temperature, Field	SM 2550 B	12.3	deg C	-	1	06/22/22 00:00	
Turbidity, Field	180.1	0.7	NTU	-	1	06/22/22 00:00	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 12:45
Date Received: 06/22/22 16:05

Sample Name: Downstream_062222
Lab Code: R2205713-005

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	795	uMHOS/cm	-	1	06/22/22 12:45	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	146	mV	-	1	06/22/22 12:45	
Oxygen, Dissolved	SM 4500-O G	7.54	mg/L	0.20	1	06/22/22 12:45	
pH, Field	SM 4500-H+ B	7.93	pH Units	-	1	06/22/22 12:45	
Temperature, Field	SM 2550 B	17.8	deg C	-	1	06/22/22 12:45	
Turbidity, Field	180.1	4.5	NTU	-	1	06/22/22 12:45	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 13:05
Date Received: 06/22/22 16:05

Sample Name: MW-13S_062222
Lab Code: R2205713-006

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	725	uMHOS/cm	-	1	06/22/22 13:05	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	28.0	mV	-	1	06/22/22 13:05	
Oxygen, Dissolved	SM 4500-O G	0.90	mg/L	0.20	1	06/22/22 13:05	
pH, Field	SM 4500-H+ B	7.02	pH Units	-	1	06/22/22 13:05	
Temperature, Field	SM 2550 B	14.2	deg C	-	1	06/22/22 13:05	
Turbidity, Field	180.1	1.1	NTU	-	1	06/22/22 13:05	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 13:50
Date Received: 06/22/22 16:05

Sample Name: PW-10_062222
Lab Code: R2205713-007

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	702	uMHOS/cm	-	1	06/22/22 13:50	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	100	mV	-	1	06/22/22 13:50	
Oxygen, Dissolved	SM 4500-O G	4.72	mg/L	0.20	1	06/22/22 13:50	
pH, Field	SM 4500-H+ B	7.15	pH Units	-	1	06/22/22 13:50	
Temperature, Field	SM 2550 B	11.8	deg C	-	1	06/22/22 13:50	
Turbidity, Field	180.1	0.2	NTU	-	1	06/22/22 13:50	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-12D_062322
Lab Code: R2205713-009

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1138	uMHOS/cm	-	1	06/23/22 08:55	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	74.0	mV	-	1	06/23/22 08:55	
pH, Field	SM 4500-H+ B	11.69	pH Units	-	1	06/23/22 08:55	
Temperature, Field	SM 2550 B	15.8	deg C	-	1	06/23/22 08:55	
Turbidity, Field	180.1	4.3	NTU	-	1	06/23/22 08:55	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-12D Dup_062322
Lab Code: R2205713-010

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1141	uMHOS/cm	-	1	06/23/22 08:55	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	63.0	mV	-	1	06/23/22 08:55	
pH, Field	SM 4500-H+ B	11.61	pH Units	-	1	06/23/22 08:55	
Temperature, Field	SM 2550 B	15.9	deg C	-	1	06/23/22 08:55	
Turbidity, Field	180.1	4	NTU	-	1	06/23/22 08:55	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-1S_062322
Lab Code: R2205713-011

Service Request: R2205713
Date Collected: 06/23/22 09:40
Date Received: 06/23/22 15:45

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	732	uMHOS/cm	-	1	06/23/22 09:40	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-22.0	mV	-	1	06/23/22 09:40	
pH, Field	SM 4500-H+ B	8.12	pH Units	-	1	06/23/22 09:40	
Temperature, Field	SM 2550 B	10.3	deg C	-	1	06/23/22 09:40	
Turbidity, Field	180.1	18	NTU	-	1	06/23/22 09:40	

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dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 10:10
Date Received: 06/23/22 15:45

Sample Name: MW-3S_062322
Lab Code: R2205713-012

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	909	uMHOS/cm	-	1	06/23/22 10:10	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	126	mV	-	1	06/23/22 10:10	
pH, Field	SM 4500-H+ B	7.62	pH Units	-	1	06/23/22 10:10	
Temperature, Field	SM 2550 B	12.3	deg C	-	1	06/23/22 10:10	
Turbidity, Field	180.1	5.1	NTU	-	1	06/23/22 10:10	

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dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-4D_062322
Lab Code: R2205713-013

Service Request: R2205713
Date Collected: 06/23/22 10:30
Date Received: 06/23/22 15:45
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1236	uMHOS/cm	-	1	06/23/22 10:30	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-37.0	mV	-	1	06/23/22 10:30	
pH, Field	SM 4500-H+ B	7.61	pH Units	-	1	06/23/22 10:30	
Temperature, Field	SM 2550 B	12.3	deg C	-	1	06/23/22 10:30	
Turbidity, Field	180.1	22.2	NTU	-	1	06/23/22 10:30	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-4S_062322
Lab Code: R2205713-014

Service Request: R2205713
Date Collected: 06/23/22 11:05
Date Received: 06/23/22 15:45
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1233	uMHOS/cm	-	1	06/23/22 11:05	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	146	mV	-	1	06/23/22 11:05	
pH, Field	SM 4500-H+ B	6.78	pH Units	-	1	06/23/22 11:05	
Temperature, Field	SM 2550 B	11.7	deg C	-	1	06/23/22 11:05	
Turbidity, Field	180.1	13.8	NTU	-	1	06/23/22 11:05	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 11:35
Date Received: 06/23/22 15:45

Sample Name: MW-PZ-2_062322
Lab Code: R2205713-015

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	3148	uMHOS/cm	-	1	06/23/22 11:35	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-95.0	mV	-	1	06/23/22 11:35	
pH, Field	SM 4500-H+ B	6.77	pH Units	-	1	06/23/22 11:35	
Temperature, Field	SM 2550 B	12.4	deg C	-	1	06/23/22 11:35	
Turbidity, Field	180.1	3.1	NTU	-	1	06/23/22 11:35	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 12:00
Date Received: 06/23/22 15:45

Sample Name: MW-16_062322
Lab Code: R2205713-016

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	698	uMHOS/cm	-	1	06/23/22 12:00	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	136	mV	-	1	06/23/22 12:00	
pH, Field	SM 4500-H+ B	7.19	pH Units	-	1	06/23/22 12:00	
Temperature, Field	SM 2550 B	11.4	deg C	-	1	06/23/22 12:00	
Turbidity, Field	180.1	26.6	NTU	-	1	06/23/22 12:00	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: PW-5_062322
Lab Code: R2205713-017

Service Request: R2205713
Date Collected: 06/23/22 10:45
Date Received: 06/23/22 15:45
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	873	uMHOS/cm	-	1	06/23/22 10:45	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	94.0	mV	-	1	06/23/22 10:45	
Oxygen, Dissolved	SM 4500-O G	0.45	mg/L	0.20	1	06/23/22 10:45	
pH, Field	SM 4500-H+ B	6.54	pH Units	-	1	06/23/22 10:45	
Temperature, Field	SM 2550 B	10.5	deg C	-	1	06/23/22 10:45	
Turbidity, Field	180.1	3.3	NTU	-	1	06/23/22 10:45	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 11:20
Date Received: 06/23/22 15:45

Sample Name: PW-1_062322
Lab Code: R2205713-018

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1454	uMHOS/cm	-	1	06/23/22 11:20	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	56.0	mV	-	1	06/23/22 11:20	
Oxygen, Dissolved	SM 4500-O G	0.47	mg/L	0.20	1	06/23/22 11:20	
pH, Field	SM 4500-H+ B	6.64	pH Units	-	1	06/23/22 11:20	
Temperature, Field	SM 2550 B	12.5	deg C	-	1	06/23/22 11:20	
Turbidity, Field	180.1	0.4	NTU	-	1	06/23/22 11:20	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-8D_062322
Lab Code: R2205713-019

Service Request: R2205713
Date Collected: 06/23/22 12:10
Date Received: 06/23/22 15:45

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	868	uMHOS/cm	-	1	06/23/22 12:10	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-117	mV	-	1	06/23/22 12:10	
Oxygen, Dissolved	SM 4500-O G	0.68	mg/L	0.20	1	06/23/22 12:10	
pH, Field	SM 4500-H+ B	7.06	pH Units	-	1	06/23/22 12:10	
Temperature, Field	SM 2550 B	14.9	deg C	-	1	06/23/22 12:10	
Turbidity, Field	180.1	9.6	NTU	-	1	06/23/22 12:10	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-15_062322
Lab Code: R2205713-020

Service Request: R2205713
Date Collected: 06/23/22 13:05
Date Received: 06/23/22 15:45

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	916	uMHOS/cm	-	1	06/23/22 13:05	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-78.0	mV	-	1	06/23/22 13:05	
Oxygen, Dissolved	SM 4500-O G	0.41	mg/L	0.20	1	06/23/22 13:05	
pH, Field	SM 4500-H+ B	6.82	pH Units	-	1	06/23/22 13:05	
Temperature, Field	SM 2550 B	12.8	deg C	-	1	06/23/22 13:05	
Turbidity, Field	180.1	1.4	NTU	-	1	06/23/22 13:05	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-5S_062322
Lab Code: R2205713-021

Service Request: R2205713
Date Collected: 06/23/22 13:40
Date Received: 06/23/22 15:45
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1478	uMHOS/cm	-	1	06/23/22 13:40	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-148	mV	-	1	06/23/22 13:40	
Oxygen, Dissolved	SM 4500-O G	0.42	mg/L	0.20	1	06/23/22 13:40	
pH, Field	SM 4500-H+ B	6.93	pH Units	-	1	06/23/22 13:40	
Temperature, Field	SM 2550 B	11.9	deg C	-	1	06/23/22 13:40	
Turbidity, Field	180.1	5.8	NTU	-	1	06/23/22 13:40	



QC Summary Forms

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85-122	80-116	87-121
Trip Blank_062222	R2205713-001	97	101	105
PZ-3_062222	R2205713-002	100	100	102
MW-17_062222	R2205713-003	98	100	104
MW-12M_062222	R2205713-004	93	101	103
Downstream_062222	R2205713-005	100	104	105
MW-13S_062222	R2205713-006	97	101	103
PW-10_062222	R2205713-007	99	103	105
Trip Blank_062322	R2205713-008	98	102	102
MW-12D_062322	R2205713-009	100	104	105
MW-12D Dup_062322	R2205713-010	100	103	105
MW-1S_062322	R2205713-011	97	103	104
MW-3S_062322	R2205713-012	98	102	104
MW-4D_062322	R2205713-013	99	103	104
MW-4S_062322	R2205713-014	95	101	101
MW-PZ-2_062322	R2205713-015	95	100	100
MW-16_062322	R2205713-016	98	104	105
PW-5_062322	R2205713-017	101	104	105
PW-1_062322	R2205713-018	102	106	106
MW-8D_062322	R2205713-019	97	97	102
MW-15_062322	R2205713-020	100	103	105
MW-5S_062322	R2205713-021	103	105	106
Method Blank	RQ2207352-04	97	101	103
Method Blank	RQ2207428-05	100	104	104
Lab Control Sample	RQ2207352-03	98	104	101
Lab Control Sample	RQ2207428-03	103	106	106
Duplicate Lab Control Sample	RQ2207428-04	103	105	104
MW-16_062322 MS	RQ2207352-05	103	105	104
MW-16_062322 DMS	RQ2207352-06	103	104	104

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22
Date Received: 06/23/22
Date Analyzed: 06/29/22
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: MW-16_062322
Lab Code: R2205713-016
Analysis Method: 8260C
Prep Method: EPA 5030C

Units: ug/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike RQ2207352-05			Duplicate Matrix Spike RQ2207352-06			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
1,1,1-Trichloroethane (TCA)	5.0 U	54.5	50.0	109	57.7	50.0	115	74-127	6	30
1,1,2,2-Tetrachloroethane	5.0 U	51.0	50.0	102	52.2	50.0	104	72-122	2	30
1,1,2-Trichloroethane	5.0 U	53.7	50.0	107	54.1	50.0	108	82-121	<1	30
1,1-Dichloroethane (1,1-DCA)	5.0 U	58.0	50.0	116	59.0	50.0	118	74-132	2	30
1,1-Dichloroethene (1,1-DCE)	5.0 U	57.9	50.0	116	59.1	50.0	118	71-118	2	30
1,2-Dichloroethane	5.0 U	56.5	50.0	113	55.1	50.0	110	68-130	2	30
1,2-Dichloropropane	5.0 U	54.2	50.0	108	54.0	50.0	108	79-124	<1	30
2-Butanone (MEK)	10 U	53.9	50.0	108	52.6	50.0	105	61-137	2	30
2-Hexanone	10 U	57.5	50.0	115	56.5	50.0	113	56-132	2	30
4-Methyl-2-pentanone	10 U	56.9	50.0	114	56.2	50.0	112	60-141	1	30
Acetone	10 U	65.9	50.0	132	64.6	50.0	129	35-183	2	30
Benzene	5.0 U	56.3	50.0	113	55.8	50.0	112	76-129	<1	30
Bromodichloromethane	5.0 U	55.4	50.0	111	57.4	50.0	115	78-133	4	30
Bromoform	5.0 U	54.1	50.0	108	56.1	50.0	112	58-133	4	30
Bromomethane	5.0 U	57.5	50.0	115	58.5	50.0	117	10-184	2	30
Carbon Disulfide	10 U	58.6	50.0	117	58.1	50.0	116	59-140	<1	30
Carbon Tetrachloride	5.0 U	56.1	50.0	112	58.4	50.0	117	65-135	4	30
Chlorobenzene	5.0 U	51.6	50.0	103	51.9	50.0	104	76-125	<1	30
Chloroethane	5.0 U	51.7	50.0	103	51.5	50.0	103	48-146	<1	30
Chloroform	5.0 U	55.8	50.0	112	56.3	50.0	113	75-130	<1	30
Chloromethane	5.0 U	58.0	50.0	116	56.7	50.0	113	55-160	2	30
Dibromochloromethane	5.0 U	55.2	50.0	110	55.4	50.0	111	72-128	<1	30
Dichlorodifluoromethane (CFC 12)	5.0 U	44.4	50.0	89	45.7	50.0	91	49-154	3	30
Methylene Chloride	5.0 U	55.1	50.0	110	55.5	50.0	111	73-122	<1	30
Ethylbenzene	5.0 U	53.7	50.0	107	55.5	50.0	111	72-134	3	30
Methyl tert-Butyl Ether	5.0 U	50.9	50.0	102	52.7	50.0	105	75-119	3	30
Styrene	5.0 U	55.8	50.0	112	56.0	50.0	112	74-136	<1	30
Tetrachloroethene (PCE)	5.0 U	53.1	50.0	106	54.3	50.0	109	72-125	2	30
Toluene	5.0 U	55.0	50.0	110	54.8	50.0	110	79-119	<1	30
Trichloroethene (TCE)	5.0 U	53.5	50.0	107	53.7	50.0	107	74-122	<1	30
Vinyl Chloride	5.0 U	50.5	50.0	101	50.1	50.0	100	74-159	<1	30
cis-1,2-Dichloroethene	5.0 U	55.0	50.0	110	55.1	50.0	110	77-127	<1	30
cis-1,3-Dichloropropene	5.0 U	52.5	50.0	105	56.0	50.0	112	52-134	6	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

ALS Group USA, Corp.
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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22
Date Received: 06/23/22
Date Analyzed: 06/29/22
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: MW-16_062322
Lab Code: R2205713-016
Analysis Method: 8260C
Prep Method: EPA 5030C

Units: ug/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike RQ2207352-05			Duplicate Matrix Spike RQ2207352-06			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
m,p-Xylenes	5.0 U	114	100	114	114	100	114	80-126	<1	30
o-Xylene	5.0 U	55.3	50.0	111	56.2	50.0	112	79-123	2	30
trans-1,2-Dichloroethene	5.0 U	57.4	50.0	115	57.9	50.0	116	73-118	<1	30
trans-1,3-Dichloropropene	5.0 U	50.4	50.0	101	54.6	50.0	109	71-133	8	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2207352-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/28/22 23:56	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/28/22 23:56	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/28/22 23:56	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/28/22 23:56	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/28/22 23:56	
1,2-Dichloroethane	5.0 U	5.0	1	06/28/22 23:56	
1,2-Dichloropropane	5.0 U	5.0	1	06/28/22 23:56	
2-Butanone (MEK)	10 U	10	1	06/28/22 23:56	
2-Hexanone	10 U	10	1	06/28/22 23:56	
4-Methyl-2-pentanone	10 U	10	1	06/28/22 23:56	
Acetone	10 U	10	1	06/28/22 23:56	
Benzene	5.0 U	5.0	1	06/28/22 23:56	
Bromodichloromethane	5.0 U	5.0	1	06/28/22 23:56	
Bromoform	5.0 U	5.0	1	06/28/22 23:56	
Bromomethane	5.0 U	5.0	1	06/28/22 23:56	
Carbon Disulfide	10 U	10	1	06/28/22 23:56	
Carbon Tetrachloride	5.0 U	5.0	1	06/28/22 23:56	
Chlorobenzene	5.0 U	5.0	1	06/28/22 23:56	
Chloroethane	5.0 U	5.0	1	06/28/22 23:56	
Chloroform	5.0 U	5.0	1	06/28/22 23:56	
Chloromethane	5.0 U	5.0	1	06/28/22 23:56	
Dibromochloromethane	5.0 U	5.0	1	06/28/22 23:56	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/28/22 23:56	
Methylene Chloride	5.0 U	5.0	1	06/28/22 23:56	
Ethylbenzene	5.0 U	5.0	1	06/28/22 23:56	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/28/22 23:56	
Styrene	5.0 U	5.0	1	06/28/22 23:56	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/28/22 23:56	
Toluene	5.0 U	5.0	1	06/28/22 23:56	
Trichloroethene (TCE)	5.0 U	5.0	1	06/28/22 23:56	
Vinyl Chloride	5.0 U	5.0	1	06/28/22 23:56	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/28/22 23:56	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/28/22 23:56	
m,p-Xylenes	5.0 U	5.0	1	06/28/22 23:56	
o-Xylene	5.0 U	5.0	1	06/28/22 23:56	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/28/22 23:56	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/28/22 23:56	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2207352-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/28/22 23:56	
Dibromofluoromethane	101	80 - 116	06/28/22 23:56	
Toluene-d8	103	87 - 121	06/28/22 23:56	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2207428-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 12:45	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 12:45	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 12:45	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 12:45	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 12:45	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 12:45	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 12:45	
2-Butanone (MEK)	10 U	10	1	06/29/22 12:45	
2-Hexanone	10 U	10	1	06/29/22 12:45	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 12:45	
Acetone	10 U	10	1	06/29/22 12:45	
Benzene	5.0 U	5.0	1	06/29/22 12:45	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 12:45	
Bromoform	5.0 U	5.0	1	06/29/22 12:45	
Bromomethane	5.0 U	5.0	1	06/29/22 12:45	
Carbon Disulfide	10 U	10	1	06/29/22 12:45	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 12:45	
Chlorobenzene	5.0 U	5.0	1	06/29/22 12:45	
Chloroethane	5.0 U	5.0	1	06/29/22 12:45	
Chloroform	5.0 U	5.0	1	06/29/22 12:45	
Chloromethane	5.0 U	5.0	1	06/29/22 12:45	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 12:45	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 12:45	
Methylene Chloride	5.0 U	5.0	1	06/29/22 12:45	
Ethylbenzene	5.0 U	5.0	1	06/29/22 12:45	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 12:45	
Styrene	5.0 U	5.0	1	06/29/22 12:45	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 12:45	
Toluene	5.0 U	5.0	1	06/29/22 12:45	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 12:45	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 12:45	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 12:45	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 12:45	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 12:45	
o-Xylene	5.0 U	5.0	1	06/29/22 12:45	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 12:45	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 12:45	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2207428-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	06/29/22 12:45	
Dibromofluoromethane	104	80 - 116	06/29/22 12:45	
Toluene-d8	104	87 - 121	06/29/22 12:45	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Analyzed: 06/28/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2207352-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	18.5	20.0	93	75-125
1,1,2,2-Tetrachloroethane	8260C	20.0	20.0	100	78-126
1,1,2-Trichloroethane	8260C	20.3	20.0	101	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	20.0	20.0	100	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	19.3	20.0	96	71-118
1,2-Dichloroethane	8260C	20.1	20.0	100	71-127
1,2-Dichloropropane	8260C	19.8	20.0	99	80-119
2-Butanone (MEK)	8260C	20.6	20.0	103	61-137
2-Hexanone	8260C	21.2	20.0	106	63-124
4-Methyl-2-pentanone	8260C	21.3	20.0	107	66-124
Acetone	8260C	22.2	20.0	111	40-161
Benzene	8260C	18.7	20.0	94	79-119
Bromodichloromethane	8260C	19.8	20.0	99	81-123
Bromoform	8260C	22.3	20.0	112	65-146
Bromomethane	8260C	20.0	20.0	100	42-166
Carbon Disulfide	8260C	21.4	20.0	107	66-128
Carbon Tetrachloride	8260C	18.5	20.0	92	70-127
Chlorobenzene	8260C	18.2	20.0	91	80-121
Chloroethane	8260C	16.7	20.0	83	62-131
Chloroform	8260C	19.3	20.0	96	79-120
Chloromethane	8260C	18.4	20.0	92	65-135
Dibromochloromethane	8260C	19.8	20.0	99	72-128
Dichlorodifluoromethane (CFC 12)	8260C	14.4	20.0	72	59-155
Methylene Chloride	8260C	19.2	20.0	96	73-122
Ethylbenzene	8260C	18.5	20.0	92	76-120
Methyl tert-Butyl Ether	8260C	20.2	20.0	101	75-118
Styrene	8260C	20.0	20.0	100	80-124
Tetrachloroethene (PCE)	8260C	18.1	20.0	90	72-125
Toluene	8260C	18.5	20.0	93	79-119
Trichloroethene (TCE)	8260C	18.8	20.0	94	74-122
Vinyl Chloride	8260C	15.9	20.0	80	74-159
cis-1,2-Dichloroethene	8260C	19.1	20.0	96	80-121
cis-1,3-Dichloropropene	8260C	21.4	20.0	107	77-122

ALS Group USA, Corp.
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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Analyzed: 06/28/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2207352-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
m,p-Xylenes	8260C	38.3	40.0	96	80-126
o-Xylene	8260C	18.8	20.0	94	79-123
trans-1,2-Dichloroethene	8260C	19.3	20.0	96	73-118
trans-1,3-Dichloropropene	8260C	21.8	20.0	109	71-133

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Analyzed: 06/29/22

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2207428-03

Duplicate Lab Control Sample
RQ2207428-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane (TCA)	8260C	23.6	20.0	118	19.7	20.0	99	75-125	18	30
1,1,2,2-Tetrachloroethane	8260C	20.8	20.0	104	19.5	20.0	97	78-126	7	30
1,1,2-Trichloroethane	8260C	22.5	20.0	112	20.8	20.0	104	82-121	8	30
1,1-Dichloroethane (1,1-DCA)	8260C	24.9	20.0	125 *	22.1	20.0	110	80-124	12	30
1,1-Dichloroethene (1,1-DCE)	8260C	23.7	20.0	119 *	21.0	20.0	105	71-118	12	30
1,2-Dichloroethane	8260C	23.4	20.0	117	21.9	20.0	110	71-127	6	30
1,2-Dichloropropane	8260C	23.2	20.0	116	21.1	20.0	105	80-119	10	30
2-Butanone (MEK)	8260C	22.6	20.0	113	21.6	20.0	108	61-137	5	30
2-Hexanone	8260C	23.0	20.0	115	22.2	20.0	111	63-124	3	30
4-Methyl-2-pentanone	8260C	22.5	20.0	113	22.9	20.0	114	66-124	1	30
Acetone	8260C	22.2	20.0	111	23.5	20.0	118	40-161	6	30
Benzene	8260C	22.8	20.0	114	20.7	20.0	104	79-119	10	30
Bromodichloromethane	8260C	23.1	20.0	115	21.8	20.0	109	81-123	6	30
Bromoform	8260C	23.9	20.0	119	22.1	20.0	111	65-146	8	30
Bromomethane	8260C	24.2	20.0	121	22.5	20.0	112	42-166	7	30
Carbon Disulfide	8260C	24.8	20.0	124	24.2	20.0	121	66-128	2	30
Carbon Tetrachloride	8260C	23.3	20.0	116	20.1	20.0	100	70-127	15	30
Chlorobenzene	8260C	21.5	20.0	108	19.5	20.0	97	80-121	10	30
Chloroethane	8260C	21.5	20.0	107	18.7	20.0	94	62-131	14	30
Chloroform	8260C	23.5	20.0	117	21.8	20.0	109	79-120	7	30
Chloromethane	8260C	23.8	20.0	119	20.5	20.0	102	65-135	15	30
Dibromochloromethane	8260C	23.0	20.0	115	20.8	20.0	104	72-128	10	30
Dichlorodifluoromethane (CFC 12)	8260C	19.4	20.0	97	16.2	20.0	81	59-155	18	30
Methylene Chloride	8260C	23.6	20.0	118	21.7	20.0	108	73-122	8	30
Ethylbenzene	8260C	21.7	20.0	109	19.8	20.0	99	76-120	9	30
Methyl tert-Butyl Ether	8260C	22.4	20.0	112	20.7	20.0	103	75-118	8	30
Styrene	8260C	23.1	20.0	116	21.0	20.0	105	80-124	10	30
Tetrachloroethene (PCE)	8260C	21.9	20.0	110	18.8	20.0	94	72-125	16	30
Toluene	8260C	22.6	20.0	113	20.1	20.0	101	79-119	11	30
Trichloroethene (TCE)	8260C	22.1	20.0	110	19.9	20.0	99	74-122	11	30
Vinyl Chloride	8260C	20.2	20.0	101	18.0	20.0	90	74-159	12	30
cis-1,2-Dichloroethene	8260C	23.0	20.0	115	20.5	20.0	103	80-121	11	30
cis-1,3-Dichloropropene	8260C	25.4	20.0	127 *	23.1	20.0	116	77-122	9	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Analyzed: 06/29/22

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2207428-03

Duplicate Lab Control Sample
RQ2207428-04

Analyte Name	Analytical Method	Lab Control Sample			Duplicate Lab Control Sample			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
m,p-Xylenes	8260C	46.4	40.0	116	41.4	40.0	104	80-126	11	30
o-Xylene	8260C	22.3	20.0	112	19.9	20.0	100	79-123	11	30
trans-1,2-Dichloroethene	8260C	24.3	20.0	122 *	21.4	20.0	107	73-118	13	30
trans-1,3-Dichloropropene	8260C	25.4	20.0	127	23.7	20.0	119	71-133	7	30



Metals

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METALS

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BLANKS

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	Continuing Calibration Blank ug/L						Preparation Blank		M	
		1	C	2	C	3	C	C			
Aluminum	100.00	U	100.00	U	100.00	U	100.00	U	100.000	U	P
Antimony	60.00	U	60.00	U	60.00	U	60.00	U	60.000	U	P
Arsenic	10.00	U	10.00	U	10.00	U	10.00	U	10.000	U	P
Barium	20.00	U	20.00	U	20.00	U	20.00	U	20.000	U	P
Beryllium	3.00	U	3.00	U	3.00	U	3.00	U	3.000	U	P
Boron	200.00	U	200.00	U	200.00	U	200.00	U	200.000	U	P
Cadmium	5.00	U	5.00	U	5.00	U	5.00	U	5.000	U	P
Mercury	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	CV
Calcium	1000.00	U	1000.00	U	1000.00	U	1000.00	U	1000.000	U	P
Chromium	10.00	U	10.00	U	10.00	U	10.00	U	10.000	U	P
Cobalt	50.00	U	50.00	U	50.00	U	50.00	U	50.000	U	P
Copper	20.00	U	20.00	U	20.00	U	20.00	U	20.000	U	P
Iron	100.00	U	100.00	U	100.00	U	100.00	U	100.000	U	P
Lead	5.00	U	5.00	U	5.00	U	5.00	U	5.000	U	P
Magnesium	1000.00	U	1000.00	U	1000.00	U	1000.00	U	1000.000	U	P
Manganese	10.00	U	10.00	U	10.00	U	10.00	U	10.000	U	P
Nickel	40.00	U	40.00	U	40.00	U	40.00	U	40.000	U	P
Potassium	2000.00	U	2000.00	U	2000.00	U	2000.00	U	2000.000	U	P
Selenium	10.00	U	10.00	U	10.00	U	10.00	U	10.000	U	P
Silver	10.00	U	10.00	U	10.00	U	10.00	U	10.000	U	P
Sodium	1000.00	U	1000.00	U	1000.00	U	1000.00	U	1000.000	U	P
Thallium	10.00	U	10.00	U	10.00	U	10.00	U	10.000	U	P
Vanadium	50.00	U	50.00	U	50.00	U	50.00	U	50.000	U	P
Zinc	20.00	U	20.00	U	20.00	U	20.00	U	20.000	U	P

Comments:

METALS

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BLANKS

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	Continuing Calibration Blank ug/L						Preparation Blank		M
		1	C	2	C	3	C	C		
Aluminum		100.00	U	100.00	U	100.00	U			P
Antimony		60.00	U	60.00	U	60.00	U			P
Arsenic		10.00	U	10.00	U	10.00	U			P
Barium		20.00	U	20.00	U	20.00	U			P
Beryllium		3.00	U	3.00	U	3.00	U			P
Boron		200.00	U	200.00	U	200.00	U			P
Cadmium		5.00	U	5.00	U	5.00	U			P
Mercury		0.200	U	0.200	U					CV
Calcium		1000.00	U	1000.00	U	1000.00	U			P
Chromium		10.00	U	10.00	U	10.00	U			P
Cobalt		50.00	U	50.00	U	50.00	U			P
Copper		20.00	U	20.00	U	20.00	U			P
Iron		100.00	U	100.00	U	100.00	U			P
Lead		5.00	U	5.00	U	5.00	U			P
Magnesium		1000.00	U	1000.00	U	1000.00	U			P
Manganese		10.00	U	10.00	U	10.00	U			P
Nickel		40.00	U	40.00	U	40.00	U			P
Potassium		2000.00	U	2000.00	U	2000.00	U			P
Selenium		10.00	U	10.00	U	10.00	U			P
Silver		10.00	U	10.00	U	10.00	U			P
Sodium		1000.00	U	1000.00	U	1000.00	U			P
Thallium		10.00		10.00	U	10.00	U			P
Vanadium		50.00	U	50.00	U	50.00	U			P
Zinc		20.00	U	20.00	U	20.00	U			P

Comments:

METALS

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BLANKS

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	Continuing Calibration Blank ug/L						Preparation Blank	C	M
		1	C	2	C	3	C			
Sodium	1000.00 U	1000.00	U	1000.00	U	1000.00	U			P
Thallium	10.00 U	10.00	U	10.00	U	10.00	U			P

Comments:

METALS

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BLANKS

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	Continuing Calibration Blank ug/L						Preparation Blank	C	M
		1	C	2	C	3	C			
Sodium		1000.00	U	1000.00	U					P
Thallium		10.00	U	10.00	U					P

Comments:

METALS

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SPIKE SAMPLE RECOVERY

SAMPLE NO.

MW-16_062322S

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum		35700.00	34400.00	2000.0	65		P
Antimony	75 - 125	461.00	60.00 U	500.0	92		P
Arsenic	75 - 125	51.50	13.80	40.0	94		P
Barium	75 - 125	2370.00	261.00	2000.0	105		P
Beryllium	75 - 125	50.20	3.00 U	50.0	100		P
Boron	75 - 125	1110.00	200.00 U	1000.0	111		P
Cadmium	75 - 125	50.60	5.00 U	50.0	101		P
Mercury	75 - 125	1.030	0.200 U	1.000	103		CV
Calcium		177000.00	176000.00	2000.0	50		P
Chromium	75 - 125	251.00	46.00	200.0	102		P
Cobalt	75 - 125	522.00	50.00 U	500.0	104		P
Copper	75 - 125	311.00	44.70	250.0	107		P
Iron		40900.00	40600.00	1000.0	30		P
Lead	75 - 125	527.00	19.40	500.0	102		P
Magnesium		61900.00	60000.00	2000.0	95		P
Manganese	75 - 125	1550.00	1050.00	500.0	100		P
Nickel	75 - 125	530.00	40.00 U	500.0	106		P
Potassium	75 - 125	30100.00	11300.00	20000.0	94		P
Selenium	75 - 125	1030.00	10.00 U	1010.0	102		P
Silver	75 - 125	52.60	10.00 U	50.0	105		P
Sodium	75 - 125	29800.00	8820.00	20000.0	105		P
Thallium	75 - 125	2040.00	10.00 U	2000.0	102		P
Vanadium	75 - 125	570.00	63.50	500.0	101		P
Zinc	75 - 125	631.00	132.00	500.0	100		P

Comments:

METALS

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SPIKE SAMPLE RECOVERY

SAMPLE NO.

MW-16_062322SD

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum		33400.00	34400.00	2000.0	-50		P
Antimony	75 - 125	446.00	60.00 U	500.0	89		P
Arsenic	75 - 125	48.50	13.80	40.0	87		P
Barium	75 - 125	2300.00	261.00	2000.0	102		P
Beryllium	75 - 125	48.90	3.00 U	50.0	98		P
Boron	75 - 125	1080.00	200.00 U	1000.0	108		P
Cadmium	75 - 125	49.30	5.00 U	50.0	99		P
Mercury	75 - 125	1.040	0.200 U	1.000	104		CV
Calcium		172000.00	176000.00	2000.0	-200		P
Chromium	75 - 125	242.00	46.00	200.0	98		P
Cobalt	75 - 125	507.00	50.00 U	500.0	101		P
Copper	75 - 125	301.00	44.70	250.0	103		P
Iron		37800.00	40600.00	1000.0	-280		P
Lead	75 - 125	511.00	19.40	500.0	98		P
Magnesium		59400.00	60000.00	2000.0	-30		P
Manganese	75 - 125	1490.00	1050.00	500.0	88		P
Nickel	75 - 125	514.00	40.00 U	500.0	103		P
Potassium	75 - 125	29100.00	11300.00	20000.0	89		P
Selenium	75 - 125	998.00	10.00 U	1010.0	99		P
Silver	75 - 125	51.10	10.00 U	50.0	102		P
Sodium	75 - 125	28900.00	8820.00	20000.0	100		P
Thallium	75 - 125	1990.00	10.00 U	2000.0	100		P
Vanadium	75 - 125	552.00	63.50	500.0	98		P
Zinc	75 - 125	612.00	132.00	500.0	96		P

Comments:

METALS
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DUPLICATES

SAMPLE NO.

MW-16_062322SD

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum		35700.00	33400.00	7		P
Antimony		461.00	446.00	3		P
Arsenic		51.50	48.50	6		P
Barium		2370.00	2300.00	3		P
Beryllium		50.20	48.90	3		P
Boron		1110.00	1080.00	3		P
Cadmium		50.60	49.30	3		P
Mercury		1.030	1.040	1		CV
Calcium		177000.00	172000.00	3		P
Chromium		251.00	242.00	4		P
Cobalt		522.00	507.00	3		P
Copper		311.00	301.00	3		P
Iron		40900.00	37800.00	8		P
Lead		527.00	511.00	3		P
Magnesium		61900.00	59400.00	4		P
Manganese		1550.00	1490.00	4		P
Nickel		530.00	514.00	3		P
Potassium		30100.00	29100.00	3		P
Selenium		1030.00	998.00	3		P
Silver		52.60	51.10	3		P
Sodium		29800.00	28900.00	3		P
Thallium		2040.00	1990.00	2		P
Vanadium		570.00	552.00	3		P
Zinc		631.00	612.00	3		P

Comments:

METALS

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LABORATORY CONTROL SAMPLE

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Solid LCS Source: _____

Aqueous LCS Source: CPI

Analyte	Aqueous (ug/L)			Solid (mg/K)				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum	2000	1980	99					
Antimony	500	473	95					
Arsenic	40	39	98					
Barium	2000	2080	104					
Beryllium	50	48	96					
Boron	1000	988	99					
Cadmium	50	52	104					
Mercury	1.000	1.000	100					
Calcium	2000	1990	100					
Chromium	200	203	102					
Cobalt	500	511	102					
Copper	250	250	100					
Iron	1000	993	99					
Lead	500	503	101					
Magnesium	2000	1940	97					
Manganese	500	503	101					
Nickel	500	510	102					
Potassium	20000	18200	91					
Selenium	1010	987	98					
Silver	50	49	98					
Sodium	20000	19900	100					
Thallium	2000	1860	93					
Vanadium	500	494	99					
Zinc	500	499	100					

Comments: _____



General Chemistry

ALS Environmental—Rochester Laboratory
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2205713-MB1

Service Request: R2205713
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	06/23/22 14:14	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	06/28/22 21:13	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/23/22 13:48	NA	
Bromide	300.0	0.10 U	mg/L	0.10	1	06/24/22 07:56	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	06/25/22 20:25	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	0.20 U	mg/L	0.20	1	06/23/22 10:43	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/22/22 22:33	NA	
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	06/23/22 08:25	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 15:48	NA	
Nitrate as Nitrogen	300.0	0.10 U	mg/L	0.10	1	06/23/22 10:43	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	07/01/22 11:49	06/30/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/27/22 18:39	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10 U	mg/L	10	1	06/24/22 07:46	NA	
Sulfate	300.0	0.20 U	mg/L	0.20	1	06/23/22 10:43	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2205713-MB2

Service Request: R2205713
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	06/23/22 09:53	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	07/01/22 22:20	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/24/22 17:01	NA	
Bromide	300.0	0.10 U	mg/L	0.10	1	06/28/22 17:01	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	06/29/22 10:39	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	
Chloride	300.0	0.20 U	mg/L	0.20	1	06/24/22 07:56	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:22	NA	
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	06/24/22 09:15	NA	
Nitrate as Nitrogen	300.0	0.10 U	mg/L	0.10	1	06/24/22 07:56	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	07/01/22 13:09	06/30/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/27/22 20:31	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10 U	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	0.20 U	mg/L	0.20	1	06/24/22 07:56	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2205713-MB3

Service Request: R2205713
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	06/27/22 09:11	
Bromide	300.0	0.10 U	mg/L	0.10	1	06/28/22 19:39	
Chloride	300.0	0.20 U	mg/L	0.20	1	07/01/22 11:10	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/05/22 15:03	
Sulfate	300.0	0.20 U	mg/L	0.20	1	07/01/22 11:10	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2205713-MB4

Service Request: R2205713
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	06/27/22 12:05	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2205713-MB5

Service Request: R2205713
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	06/28/22 10:19	

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22
Date Received: 06/22/22
Date Analyzed: 06/22/22 - 06/28/22

**Duplicate Matrix Spike Summary
General Chemistry Parameters**

Sample Name: PZ-3_062222 **Units:** mg/L
Lab Code: R2205713-002 **Basis:** NA

Analyte Name	Method	Sample Result	Result	Matrix Spike R2205713-002MS		Duplicate Matrix Spike R2205713-002DMS		% Rec	% Rec Limits	RPD	RPD Limit
				Spike Amount	% Rec	Result	Spike Amount				
Bromide	300.0	1.0 U	11.3	10.0	113 *	10.2	10.0	102	90-110	9	20
Chromium, Hexavalent	7196A	0.010 U	0.010 U	0.100	0 *	0.010 U	0.100	0 *	85-115	NC	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request:R2205713
Date Collected:06/22/22
Date Received:06/22/22
Date Analyzed:06/23/22 - 06/28/22

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-13S_062222
Lab Code: R2205713-006

Units:mg/L
Basis:NA

Matrix Spike
R2205713-006MS

Duplicate Matrix Spike
R2205713-006DMS

Analyte Name	Method	Sample Result	Result	Spike		Spike		% Rec	% Rec	Limits	RPD	RPD Limit
				Amount	% Rec	Amount	% Rec					
Chloride	300.0	26.5	45.5	20.0	95	44.7	20.0	91	90-110	2	20	
Chemical Oxygen Demand, Total	410.4	5.0 U	23.7	25.0	95	22.0	25.0	88 *	90-110	8	20	
Nitrate as Nitrogen	300.0	1.0 U	9.8	10.0	98	9.6	10.0	96	90-110	2	20	
Sulfate	300.0	5.2	25.0	20.0	99	24.6	20.0	97	90-110	2	20	

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22
Date Received: 06/23/22
Date Analyzed: 06/23/22

Duplicate Matrix Spike Summary
Chromium, Hexavalent

Sample Name: MW-12D_062322
Lab Code: R2205713-009
Analysis Method: 7196A

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike R2205713-009MS		Duplicate Matrix Spike R2205713-009DMS		% Rec Limits	RPD	RPD Limit	
			Spike Amount	% Rec	Result	Spike Amount				% Rec
Chromium, Hexavalent	0.010 U	0.098	0.100	98	0.098	0.100	98	85-115	<1	20

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Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22
Date Received: 06/23/22
Date Analyzed: 07/1/22
Date Extracted: 06/30/22

Duplicate Matrix Spike Summary
Nitrogen, Total Kjeldahl (TKN)

Sample Name: MW-12D Dup_062322
Lab Code: R2205713-010
Analysis Method: 351.2
Prep Method: Method

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike R2205713-010MS			Duplicate Matrix Spike R2205713-010DMS			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Nitrogen, Total Kjeldahl (TKN)	5.94	8.61	2.50	107	8.55	2.50	104	90-110	<1	20

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Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request:R2205713
Date Collected:06/23/22
Date Received:06/23/22
Date Analyzed:06/23/22 - 07/05/22

**Duplicate Matrix Spike Summary
General Chemistry Parameters**

Sample Name: MW-16_062322
Lab Code: R2205713-016

Units:mg/L
Basis:NA

Matrix Spike
R2205713-016MS

Duplicate Matrix Spike
R2205713-016DMS

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Ammonia as Nitrogen, undistilled	350.1	0.050 U	0.240	0.250	96	0.245	0.250	98	90-110	2	20
Bromide	300.0	1.0 U	10.3	10.0	103	10.3	10.0	103	90-110	<1	20
Chloride	300.0	4.2	23.1	20.0	94	23.4	20.0	96	90-110	2	20
Cyanide, Total	Kelada-01	0.0050 U	0.0960	0.100	96	0.0979	0.100	98	90-110	2	20
Chemical Oxygen Demand, Total	410.4	5.0 U	24.3	25.0	97	22.0	25.0	88 *	90-110	10	20
Chromium, Hexavalent	7196A	0.010 U	0.105	0.100	105	0.103	0.100	103	85-115	2	20
Nitrate as Nitrogen	300.0	1.0 U	10.3	10.0	103	10.5	10.0	105	90-110	2	20
Phenolics, Total Recoverable	9066	0.0050 U	0.0384	0.0400	96	0.0392	0.0400	98	49-137	2	20
Sulfate	300.0	16.1	35.2	20.0	96	35.7	20.0	98	90-110	2	20
Nitrogen, Total Kjeldahl (TKN)	351.2	0.54	3.18	2.50	106	3.74	2.50	128 *	90-110	16	20
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.5	25.4	25.0	95	25.8	25.0	97	48-135	2	20

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22
Date Received: 06/22/22
Date Analyzed: 06/23/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: Downstream_062222
Lab Code: R2205713-005

Units: mg/L
Basis: NA

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>Sample Result</u>	<u>Duplicate Sample R2205713-005DUP Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0	398	399	399	<1	20

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22
Date Received: 06/22/22
Date Analyzed: 06/23/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: PW-10_062222
Lab Code: R2205713-007

Units: ColorUnits
Basis: NA

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>Sample Result</u>	<u>Duplicate Sample R2205713-007DUP Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
Color, True	SM 2120 B-2001(2011)	1.0	1.0	1.0	1.00	<1	5

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22
Date Received: 06/22/22
Date Analyzed: 06/23/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: PW-10_062222 **Units:** pH Units
Lab Code: R2205713-007 **Basis:** NA

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>Sample Result</u>	<u>Duplicate Sample R2205713-007DUP Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
pH of Color Analysis	SM 2120 B-2001(2011)	-	7.35	7.36	7.36	<1	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

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ALS Group USA, Corp.

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22
Date Received: 06/23/22
Date Analyzed: 06/27/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-12D_062322
Lab Code: R2205713-009

Units: mg/L
Basis: NA

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>Sample Result</u>	<u>Duplicate Sample R2205713-009DUP Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0	284	284	284	<1	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22
Date Received: 06/23/22
Date Analyzed: 06/27/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-PZ-2_062322
Lab Code: R2205713-015

Units: mg/L
Basis: NA

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>Sample Result</u>	<u>Duplicate Sample R2205713-015DUP Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
Solids, Total Dissolved (TDS)	SM 2540 C-2015	20	1950	1960	1960	<1	10

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22
Date Received: 06/23/22
Date Analyzed: 06/24/22 - 06/27/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-16_062322
Lab Code: R2205713-016

Units: mg/L
Basis: NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2205713-016DUP Result	Average	RPD	RPD Limit
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0	364	369	366	1	20
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	2.0 U	2.0 U	NC	NC	20
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10	401	403	402	<1	10

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22
Date Received: 06/23/22
Date Analyzed: 06/24/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-16_062322
Lab Code: R2205713-016

Units: ColorUnits
Basis: NA

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>Sample Result</u>	<u>Duplicate Sample R2205713-016DUP Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
Color, True	SM 2120 B-2001(2011)	1.0	2.0	3.0	2.50	40 #	5

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22
Date Received: 06/23/22
Date Analyzed: 06/24/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-16_062322
Lab Code: R2205713-016

Units: pH Units
Basis: NA

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>Sample Result</u>	<u>Duplicate Sample R2205713-016DUP Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
pH of Color Analysis	SM 2120 B-2001(2011)	-	7.38	7.20	7.29	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Analyzed: 06/22/22 - 07/01/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2205713-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen, undistilled	350.1	0.256	0.250	102	90-110
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	187	198	94	85-115
Bromide	300.0	0.91	1.00	91	90-110
Carbon, Total Organic (TOC)	SM 5310 B-2014	25.0	25.0	100	80-121
Chemical Oxygen Demand, Total	410.4	47.6	50.0	95	90-110
Chloride	300.0	1.85	2.00	93	90-110
Chromium, Hexavalent	7196A	0.104	0.100	104	80-120
Cyanide, Total	Kelada-01	0.0940	0.100	94	90-110
Nitrate as Nitrogen	300.0	0.927	1.00	93	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.39	2.50	96	90-110
Phenolics, Total Recoverable	9066	0.0383	0.0400	96	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-2015	922	914	101	90-110
Sulfate	300.0	1.89	2.00	94	90-110

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Analyzed: 06/23/22 - 07/01/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2205713-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	20.9	20.0	104	80-120
Ammonia as Nitrogen, undistilled	350.1	0.245	0.250	98	90-110
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	194	198	98	85-115
Bromide	300.0	1.05	1.00	105	90-110
Carbon, Total Organic (TOC)	SM 5310 B-2014	24.8	25.0	99	80-121
Chemical Oxygen Demand, Total	410.4	47.1	50.0	94	90-110
Chloride	300.0	1.97	2.00	99	90-110
Chromium, Hexavalent	7196A	0.103	0.100	103	80-120
Nitrate as Nitrogen	300.0	0.99	1.00	99	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.32	2.50	93	90-110
Phenolics, Total Recoverable	9066	0.0408	0.0400	102	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-2015	922	914	101	90-110
Sulfate	300.0	2.02	2.00	101	90-110

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Analyzed: 06/27/22 - 07/05/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2205713-LCS3

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	21.4	20.0	107	80-120
Bromide	300.0	1.04	1.00	104	90-110
Chloride	300.0	2.04	2.00	102	90-110
Phenolics, Total Recoverable	9066	0.0395	0.0400	99	85-115
Sulfate	300.0	2.02	2.00	101	90-110

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713

Date Analyzed: 06/27/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L

Basis:NA

Lab Control Sample

R2205713-LCS4

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	21.6	20.0	108	80-120

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Analyzed: 06/28/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2205713-LCS5

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	23.1	20.0	116	80-120



Raw Data

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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Field Data

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1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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www.alsglobal.com

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: PZ-3_062222
Lab Code: R2205713-002

Service Request: R2205713
Date Collected: 06/22/22 11:20
Date Received: 06/22/22 16:05

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1138	uMHOS/cm	-	1	06/22/22 00:00	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-141	mV	-	1	06/22/22 00:00	
Oxygen, Dissolved	SM 4500-O G	0.59	mg/L	0.20	1	06/22/22 00:00	
pH, Field	SM 4500-H+ B	6.63	pH Units	-	1	06/22/22 00:00	
Temperature, Field	SM 2550 B	13.2	deg C	-	1	06/22/22 00:00	
Turbidity, Field	180.1	0.4	NTU	-	1	06/22/22 00:00	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-17_062222
Lab Code: R2205713-003

Service Request: R2205713
Date Collected: 06/22/22 11:55
Date Received: 06/22/22 16:05

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1696	uMHOS/cm	-	1	06/22/22 00:00	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	24.0	mV	-	1	06/22/22 00:00	
Oxygen, Dissolved	SM 4500-O G	2.68	mg/L	0.20	1	06/22/22 00:00	
pH, Field	SM 4500-H+ B	7.05	pH Units	-	1	06/22/22 00:00	
Temperature, Field	SM 2550 B	13.0	deg C	-	1	06/22/22 00:00	
Turbidity, Field	180.1	0.6	NTU	-	1	06/22/22 00:00	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-12M_062222
Lab Code: R2205713-004

Service Request: R2205713
Date Collected: 06/22/22 12:30
Date Received: 06/22/22 16:05

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	596	uMHOS/cm	-	1	06/22/22 00:00	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-120	mV	-	1	06/22/22 00:00	
Oxygen, Dissolved	SM 4500-O G	0.76	mg/L	0.20	1	06/22/22 00:00	
pH, Field	SM 4500-H+ B	7.80	pH Units	-	1	06/22/22 00:00	
Temperature, Field	SM 2550 B	12.3	deg C	-	1	06/22/22 00:00	
Turbidity, Field	180.1	0.7	NTU	-	1	06/22/22 00:00	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 12:45
Date Received: 06/22/22 16:05

Sample Name: Downstream_062222
Lab Code: R2205713-005

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	795	uMHOS/cm	-	1	06/22/22 12:45	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	146	mV	-	1	06/22/22 12:45	
Oxygen, Dissolved	SM 4500-O G	7.54	mg/L	0.20	1	06/22/22 12:45	
pH, Field	SM 4500-H+ B	7.93	pH Units	-	1	06/22/22 12:45	
Temperature, Field	SM 2550 B	17.8	deg C	-	1	06/22/22 12:45	
Turbidity, Field	180.1	4.5	NTU	-	1	06/22/22 12:45	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-13S_062222
Lab Code: R2205713-006

Service Request: R2205713
Date Collected: 06/22/22 13:05
Date Received: 06/22/22 16:05
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	725	uMHOS/cm	-	1	06/22/22 13:05	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	28.0	mV	-	1	06/22/22 13:05	
Oxygen, Dissolved	SM 4500-O G	0.90	mg/L	0.20	1	06/22/22 13:05	
pH, Field	SM 4500-H+ B	7.02	pH Units	-	1	06/22/22 13:05	
Temperature, Field	SM 2550 B	14.2	deg C	-	1	06/22/22 13:05	
Turbidity, Field	180.1	1.1	NTU	-	1	06/22/22 13:05	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: PW-10_062222
Lab Code: R2205713-007

Service Request: R2205713
Date Collected: 06/22/22 13:50
Date Received: 06/22/22 16:05
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	702	uMHOS/cm	-	1	06/22/22 13:50	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	100	mV	-	1	06/22/22 13:50	
Oxygen, Dissolved	SM 4500-O G	4.72	mg/L	0.20	1	06/22/22 13:50	
pH, Field	SM 4500-H+ B	7.15	pH Units	-	1	06/22/22 13:50	
Temperature, Field	SM 2550 B	11.8	deg C	-	1	06/22/22 13:50	
Turbidity, Field	180.1	0.2	NTU	-	1	06/22/22 13:50	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-12D_062322
Lab Code: R2205713-009

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1138	uMHOS/cm	-	1	06/23/22 08:55	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	74.0	mV	-	1	06/23/22 08:55	
pH, Field	SM 4500-H+ B	11.69	pH Units	-	1	06/23/22 08:55	
Temperature, Field	SM 2550 B	15.8	deg C	-	1	06/23/22 08:55	
Turbidity, Field	180.1	4.3	NTU	-	1	06/23/22 08:55	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-12D Dup_062322
Lab Code: R2205713-010

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1141	uMHOS/cm	-	1	06/23/22 08:55	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	63.0	mV	-	1	06/23/22 08:55	
pH, Field	SM 4500-H+ B	11.61	pH Units	-	1	06/23/22 08:55	
Temperature, Field	SM 2550 B	15.9	deg C	-	1	06/23/22 08:55	
Turbidity, Field	180.1	4	NTU	-	1	06/23/22 08:55	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-1S_062322
Lab Code: R2205713-011

Service Request: R2205713
Date Collected: 06/23/22 09:40
Date Received: 06/23/22 15:45
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	732	uMHOS/cm	-	1	06/23/22 09:40	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-22.0	mV	-	1	06/23/22 09:40	
pH, Field	SM 4500-H+ B	8.12	pH Units	-	1	06/23/22 09:40	
Temperature, Field	SM 2550 B	10.3	deg C	-	1	06/23/22 09:40	
Turbidity, Field	180.1	18	NTU	-	1	06/23/22 09:40	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-3S_062322
Lab Code: R2205713-012

Service Request: R2205713
Date Collected: 06/23/22 10:10
Date Received: 06/23/22 15:45
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	909	uMHOS/cm	-	1	06/23/22 10:10	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	126	mV	-	1	06/23/22 10:10	
pH, Field	SM 4500-H+ B	7.62	pH Units	-	1	06/23/22 10:10	
Temperature, Field	SM 2550 B	12.3	deg C	-	1	06/23/22 10:10	
Turbidity, Field	180.1	5.1	NTU	-	1	06/23/22 10:10	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 10:30
Date Received: 06/23/22 15:45

Sample Name: MW-4D_062322
Lab Code: R2205713-013

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1236	uMHOS/cm	-	1	06/23/22 10:30	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-37.0	mV	-	1	06/23/22 10:30	
pH, Field	SM 4500-H+ B	7.61	pH Units	-	1	06/23/22 10:30	
Temperature, Field	SM 2550 B	12.3	deg C	-	1	06/23/22 10:30	
Turbidity, Field	180.1	22.2	NTU	-	1	06/23/22 10:30	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-4S_062322
Lab Code: R2205713-014

Service Request: R2205713
Date Collected: 06/23/22 11:05
Date Received: 06/23/22 15:45

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1233	uMHOS/cm	-	1	06/23/22 11:05	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	146	mV	-	1	06/23/22 11:05	
pH, Field	SM 4500-H+ B	6.78	pH Units	-	1	06/23/22 11:05	
Temperature, Field	SM 2550 B	11.7	deg C	-	1	06/23/22 11:05	
Turbidity, Field	180.1	13.8	NTU	-	1	06/23/22 11:05	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-PZ-2_062322
Lab Code: R2205713-015

Service Request: R2205713
Date Collected: 06/23/22 11:35
Date Received: 06/23/22 15:45
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	3148	uMHOS/cm	-	1	06/23/22 11:35	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-95.0	mV	-	1	06/23/22 11:35	
pH, Field	SM 4500-H+ B	6.77	pH Units	-	1	06/23/22 11:35	
Temperature, Field	SM 2550 B	12.4	deg C	-	1	06/23/22 11:35	
Turbidity, Field	180.1	3.1	NTU	-	1	06/23/22 11:35	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 12:00
Date Received: 06/23/22 15:45

Sample Name: MW-16_062322
Lab Code: R2205713-016

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	698	uMHOS/cm	-	1	06/23/22 12:00	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	136	mV	-	1	06/23/22 12:00	
pH, Field	SM 4500-H+ B	7.19	pH Units	-	1	06/23/22 12:00	
Temperature, Field	SM 2550 B	11.4	deg C	-	1	06/23/22 12:00	
Turbidity, Field	180.1	26.6	NTU	-	1	06/23/22 12:00	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: PW-5_062322
Lab Code: R2205713-017

Service Request: R2205713
Date Collected: 06/23/22 10:45
Date Received: 06/23/22 15:45
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	873	uMHOS/cm	-	1	06/23/22 10:45	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	94.0	mV	-	1	06/23/22 10:45	
Oxygen, Dissolved	SM 4500-O G	0.45	mg/L	0.20	1	06/23/22 10:45	
pH, Field	SM 4500-H+ B	6.54	pH Units	-	1	06/23/22 10:45	
Temperature, Field	SM 2550 B	10.5	deg C	-	1	06/23/22 10:45	
Turbidity, Field	180.1	3.3	NTU	-	1	06/23/22 10:45	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 11:20
Date Received: 06/23/22 15:45

Sample Name: PW-1_062322
Lab Code: R2205713-018

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1454	uMHOS/cm	-	1	06/23/22 11:20	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	56.0	mV	-	1	06/23/22 11:20	
Oxygen, Dissolved	SM 4500-O G	0.47	mg/L	0.20	1	06/23/22 11:20	
pH, Field	SM 4500-H+ B	6.64	pH Units	-	1	06/23/22 11:20	
Temperature, Field	SM 2550 B	12.5	deg C	-	1	06/23/22 11:20	
Turbidity, Field	180.1	0.4	NTU	-	1	06/23/22 11:20	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-8D_062322
Lab Code: R2205713-019

Service Request: R2205713
Date Collected: 06/23/22 12:10
Date Received: 06/23/22 15:45

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	868	uMHOS/cm	-	1	06/23/22 12:10	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-117	mV	-	1	06/23/22 12:10	
Oxygen, Dissolved	SM 4500-O G	0.68	mg/L	0.20	1	06/23/22 12:10	
pH, Field	SM 4500-H+ B	7.06	pH Units	-	1	06/23/22 12:10	
Temperature, Field	SM 2550 B	14.9	deg C	-	1	06/23/22 12:10	
Turbidity, Field	180.1	9.6	NTU	-	1	06/23/22 12:10	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-15_062322
Lab Code: R2205713-020

Service Request: R2205713
Date Collected: 06/23/22 13:05
Date Received: 06/23/22 15:45
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	916	uMHOS/cm	-	1	06/23/22 13:05	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-78.0	mV	-	1	06/23/22 13:05	
Oxygen, Dissolved	SM 4500-O G	0.41	mg/L	0.20	1	06/23/22 13:05	
pH, Field	SM 4500-H+ B	6.82	pH Units	-	1	06/23/22 13:05	
Temperature, Field	SM 2550 B	12.8	deg C	-	1	06/23/22 13:05	
Turbidity, Field	180.1	1.4	NTU	-	1	06/23/22 13:05	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-5S_062322
Lab Code: R2205713-021

Service Request: R2205713
Date Collected: 06/23/22 13:40
Date Received: 06/23/22 15:45

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1478	uMHOS/cm	-	1	06/23/22 13:40	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-148	mV	-	1	06/23/22 13:40	
Oxygen, Dissolved	SM 4500-O G	0.42	mg/L	0.20	1	06/23/22 13:40	
pH, Field	SM 4500-H+ B	6.93	pH Units	-	1	06/23/22 13:40	
Temperature, Field	SM 2550 B	11.9	deg C	-	1	06/23/22 13:40	
Turbidity, Field	180.1	5.8	NTU	-	1	06/23/22 13:40	



January 04, 2023

Service Request No:R2211828

Mr. Darik Jordan
Barton & Loguidice, PC
11 Centre Park
Suite 203
Rochester, NY 14614

Laboratory Results for: Torrey Landfill

Dear Mr.Jordan,

Enclosed are the results of the sample(s) submitted to our laboratory December 12, 2022
For your reference, these analyses have been assigned our service request number **R2211828**.

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7576. You may also contact me via email at Nicole.Mansen@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Nicole Mansen
Project Manager

ADDRESS

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

PHONE +1 585 288 5380 | **FAX** +1 585 288 8475

ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com



Client: Barton & Loguidice, DPC
Project: Torrey Landfill
Sample Matrix: Water

Service Request: R2211828
Date Received: 12/12/2022 - 12/14/2022

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Twenty water samples were received for analysis at ALS Environmental on 12/12/2022 - 12/14/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Metals:

Method 6010C, 12/20/2022: The control limits for matrix spike recovery of one or more of the spiked analytes are not applicable and have been flagged with a "#". The concentration of the analyte(s) in the parent sample is more than 4x the spike concentration. No further corrective action was required.

General Chemistry:

Method 300.0, One or more samples were received within the recommended holding time, but due to a laboratory error, one or more samples were not analyzed within the recommended holding time. The customer was notified when the discrepancy was found and instructed the laboratory to proceed with processing. The analysis was performed as soon as possible after the error was discovered. The data is flagged to indicate the holding time exceedance.

Field:

No significant anomalies were noted with this analysis.

Approved by 

Date 01/04/2023



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-8D_121222 **Lab ID: R2211828-001**

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	434			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	3.65			0.25	mg/L	350.1
Biochemical Oxygen Demand (BOD)	7.6			2.0	mg/L	SM 5210 B-2016
Calcium, Total	79600			1000	ug/L	6010C
Carbon, Total Organic (TOC)	7.2			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	23.1			5.0	mg/L	410.4
Chloride	35.1			2.0	mg/L	300.0
Conductivity, Field	848				uMHOS/cm	120.1
Hardness, Total as CaCO3	310			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	4370			100	ug/L	6010C
Magnesium, Total	27000			1000	ug/L	6010C
Manganese, Total	75			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	4.65			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-115				mV	ASTM D1498-00
Oxygen, Dissolved	1.33			0.20	mg/L	SM 4500-O G
pH, Field	7.04				pH Units	SM 4500-H+ B
Sodium, Total	64200			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	478			10	mg/L	SM 2540 C-2015
Temperature, Field	10.2				deg C	SM 2550 B
Turbidity, Field	3.2				NTU	180.1

CLIENT ID: MW-15_121222 **Lab ID: R2211828-002**

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	461			6.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	17.0			1.0	mg/L	350.1
Calcium, Total	72000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	3.8			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	9.1			5.0	mg/L	410.4
Chloride	31.4			2.0	mg/L	300.0
Conductivity, Field	943				uMHOS/cm	120.1
Hardness, Total as CaCO3	342			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	7100			100	ug/L	6010C
Magnesium, Total	39400			1000	ug/L	6010C
Manganese, Total	143			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	19.4			1.0	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-77.0				mV	ASTM D1498-00
Oxygen, Dissolved	0.29			0.20	mg/L	SM 4500-O G



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-15_121222	Lab ID: R2211828-002
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Analyte	Results	Flag	MDL	MRL	Units	Method
pH, Field	6.81				pH Units	SM 4500-H+ B
Potassium, Total	17800			2000	ug/L	6010C
Sodium, Total	40500			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	453			11	mg/L	SM 2540 C-2015
Sulfate	6.2			2.0	mg/L	300.0
Temperature, Field	11.2				deg C	SM 2550 B
Turbidity, Field	3.6				NTU	180.1

CLIENT ID: MW-17_121222	Lab ID: R2211828-003
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	443			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	116000			1000	ug/L	6010C
Chloride	284			10	mg/L	300.0
Conductivity, Field	1655				uMHOS/cm	120.1
Hardness, Total as CaCO3	835			6.62	mg/L	SM 2340 B-1997 (2011)
Magnesium, Total	133000			1000	ug/L	6010C
Manganese, Total	74			10	ug/L	6010C
Oxidation-Reduction Potential (ORP), Field	122				mV	ASTM D1498-00
Oxygen, Dissolved	4.61			0.20	mg/L	SM 4500-O G
pH, Field	7.21				pH Units	SM 4500-H+ B
Potassium, Total	3800			2000	ug/L	6010C
Sodium, Total	31900			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	901			14	mg/L	SM 2540 C-2015
Sulfate	65.8			2.0	mg/L	300.0
Temperature, Field	10.1				deg C	SM 2550 B
Turbidity, Field	1.6				NTU	180.1

CLIENT ID: PZ-3_121222	Lab ID: R2211828-004
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	697			2.0	mg/L	SM 2320 B-1997 (2011)
Biochemical Oxygen Demand (BOD)	4.9			2.0	mg/L	SM 5210 B-2016
Calcium, Total	183000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	15.6			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	10.1			5.0	mg/L	410.4
Chloride	21.5			2.0	mg/L	300.0
Conductivity, Field	1626				uMHOS/cm	120.1
Hardness, Total as CaCO3	1190			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	570			100	ug/L	6010C



SAMPLE DETECTION SUMMARY

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CLIENT ID: PZ-3_121222	Lab ID: R2211828-004					
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Analyte	Results	Flag	MDL	MRL	Units	Method
Magnesium, Total	178000			1000	ug/L	6010C
Manganese, Total	25			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.49			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	167				mV	ASTM D1498-00
Oxygen, Dissolved	8.34			0.20	mg/L	SM 4500-O G
pH, Field	7.05				pH Units	SM 4500-H+ B
Sodium, Total	44300			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	1510			14	mg/L	SM 2540 C-2015
Sulfate	599			40	mg/L	300.0
Temperature, Field	10.3				deg C	SM 2550 B
Turbidity, Field	1.2				NTU	180.1

CLIENT ID: MW-13S_121222	Lab ID: R2211828-005					
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	384			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.176			0.050	mg/L	350.1
Calcium, Total	90000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	1.3			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	13.8			5.0	mg/L	410.4
Chloride	32.7			2.0	mg/L	300.0
Conductivity, Field	743				uMHOS/cm	120.1
Hardness, Total as CaCO3	390			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	2920			100	ug/L	6010C
Magnesium, Total	40200			1000	ug/L	6010C
Manganese, Total	36			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.49			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	120				mV	ASTM D1498-00
Oxygen, Dissolved	3.22			0.20	mg/L	SM 4500-O G
pH, Field	7.31				pH Units	SM 4500-H+ B
Potassium, Total	2300			2000	ug/L	6010C
Sodium, Total	17900			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	414			10	mg/L	SM 2540 C-2015
Temperature, Field	9.40				deg C	SM 2550 B
Turbidity, Field	7.8				NTU	180.1

CLIENT ID: MW-16_121322	Lab ID: R2211828-006					
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	423			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	188000			1000	ug/L	6010C



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-16_121322		Lab ID: R2211828-006				
Analyte	Results	Flag	MDL	MRL	Units	Method
Carbon, Total Organic (TOC)	2.2			1.0	mg/L	SM 5310 B-2014
Conductivity, Field	742				uMHOS/cm	120.1
Hardness, Total as CaCO3	726			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	44100			100	ug/L	6010C
Lead, Total	21.5			5.0	ug/L	6010C
Magnesium, Total	62200			1000	ug/L	6010C
Manganese, Total	1040			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.38			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	143				mV	ASTM D1498-00
pH, Field	7.03				pH Units	SM 4500-H+ B
Potassium, Total	12600			2000	ug/L	6010C
Sodium, Total	9100			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	435			10	mg/L	SM 2540 C-2015
Sulfate	9.4			2.0	mg/L	300.0
Temperature, Field	11.7				deg C	SM 2550 B
Turbidity, Field	9.2				NTU	180.1

CLIENT ID: PZ-2_121322		Lab ID: R2211828-007				
Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	1110			6.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	2.58			0.25	mg/L	350.1
Calcium, Total	219000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	5.6			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	23.1			5.0	mg/L	410.4
Chloride	407			20	mg/L	300.0
Conductivity, Field	3146				uMHOS/cm	120.1
Hardness, Total as CaCO3	1040			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	14500			100	ug/L	6010C
Magnesium, Total	119000			1000	ug/L	6010C
Manganese, Total	584			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	3.81			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-39.0				mV	ASTM D1498-00
pH, Field	6.71				pH Units	SM 4500-H+ B
Potassium, Total	6100			2000	ug/L	6010C
Sodium, Total	326000			10000	ug/L	6010C
Solids, Total Dissolved (TDS)	1880			14	mg/L	SM 2540 C-2015
Sulfate	165			6.0	mg/L	300.0
Temperature, Field	10.2				deg C	SM 2550 B



SAMPLE DETECTION SUMMARY

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CLIENT ID: PZ-2_121322	Lab ID: R2211828-007
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Analyte	Results	Flag	MDL	MRL	Units	Method
Turbidity, Field	9.7				NTU	180.1

CLIENT ID: MW-4S_121322	Lab ID: R2211828-008
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	588			6.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.087			0.050	mg/L	350.1
Calcium, Total	356000			10000	ug/L	6010C
Carbon, Total Organic (TOC)	9.2			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	224			5.0	mg/L	410.4
Chloride	5.6			2.0	mg/L	300.0
Conductivity, Field	1225				uMHOS/cm	120.1
Hardness, Total as CaCO3	1170			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	121000			1000	ug/L	6010C
Lead, Total	79.4			5.0	ug/L	6010C
Magnesium, Total	67900			1000	ug/L	6010C
Manganese, Total	6890			10	ug/L	6010C
Nitrate as Nitrogen	4.8			1.0	mg/L	300.0
Nitrogen, Total Kjeldahl (TKN)	8.19			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	42.0				mV	ASTM D1498-00
pH, Field	6.53				pH Units	SM 4500-H+ B
Potassium, Total	9600			2000	ug/L	6010C
Sodium, Total	17300			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	786			10	mg/L	SM 2540 C-2015
Sulfate	107			4.0	mg/L	300.0
Temperature, Field	10.5				deg C	SM 2550 B
Turbidity, Field	13.4				NTU	180.1

CLIENT ID: MW-4D_121322	Lab ID: R2211828-009
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	738			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	2.26			0.50	mg/L	350.1
Biochemical Oxygen Demand (BOD)	15.3			2.0	mg/L	SM 5210 B-2016
Calcium, Total	31300			1000	ug/L	6010C
Carbon, Total Organic (TOC)	21.3			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	141			5.0	mg/L	410.4
Chloride	2.7			2.0	mg/L	300.0
Conductivity, Field	1213				uMHOS/cm	120.1
Hardness, Total as CaCO3	115			6.62	mg/L	SM 2340 B-1997 (2011)



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-4D_121322 **Lab ID: R2211828-009**

Analyte	Results	Flag	MDL	MRL	Units	Method
Iron, Total	8900			100	ug/L	6010C
Magnesium, Total	8800			1000	ug/L	6010C
Manganese, Total	213			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	4.26			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	42.0				mV	ASTM D1498-00
pH, Field	7.20				pH Units	SM 4500-H+ B
Potassium, Total	5300			2000	ug/L	6010C
Sodium, Total	298000			10000	ug/L	6010C
Solids, Total Dissolved (TDS)	807			10	mg/L	SM 2540 C-2015
Temperature, Field	10.3				deg C	SM 2550 B
Turbidity, Field	27.6				NTU	180.1

CLIENT ID: MW-3S_121322 **Lab ID: R2211828-010**

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	548			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	64500			1000	ug/L	6010C
Chloride	3.9			2.0	mg/L	300.0
Conductivity, Field	973				uMHOS/cm	120.1
Hardness, Total as CaCO3	547			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	2110			100	ug/L	6010C
Magnesium, Total	93800			1000	ug/L	6010C
Manganese, Total	98			10	ug/L	6010C
Oxidation-Reduction Potential (ORP), Field	119				mV	ASTM D1498-00
pH, Field	7.02				pH Units	SM 4500-H+ B
Potassium, Total	4800			2000	ug/L	6010C
Sodium, Total	26000			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	541			10	mg/L	SM 2540 C-2015
Sulfate	49.9			2.0	mg/L	300.0
Temperature, Field	10.5				deg C	SM 2550 B
Turbidity, Field	4.3				NTU	180.1

CLIENT ID: MW-1S_121322 **Lab ID: R2211828-011**

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	358			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.217			0.050	mg/L	350.1
Calcium, Total	100000			1000	ug/L	6010C
Chloride	4.8			2.0	mg/L	300.0
Conductivity, Field	704				uMHOS/cm	120.1



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-1S_121322	Lab ID: R2211828-011
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Analyte	Results	Flag	MDL	MRL	Units	Method
Hardness, Total as CaCO3	418			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	3760			100	ug/L	6010C
Magnesium, Total	40900			1000	ug/L	6010C
Manganese, Total	142			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.98			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	160				mV	ASTM D1498-00
pH, Field	7.14				pH Units	SM 4500-H+ B
Potassium, Total	2400			2000	ug/L	6010C
Sodium, Total	11000			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	404			10	mg/L	SM 2540 C-2015
Sulfate	42.1			2.0	mg/L	300.0
Temperature, Field	10.7				deg C	SM 2550 B
Turbidity, Field	36.5				NTU	180.1

CLIENT ID: MW-12D_121322	Lab ID: R2211828-012
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	260			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	5.36			0.50	mg/L	350.1
Biochemical Oxygen Demand (BOD)	3.6			2.0	mg/L	SM 5210 B-2016
Calcium, Total	15100			1000	ug/L	6010C
Carbon, Total Organic (TOC)	8.1			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	20.0			5.0	mg/L	410.4
Chloride	8.7			2.0	mg/L	300.0
Conductivity, Field	962				uMHOS/c m	120.1
Hardness, Total as CaCO3	47.6			6.62	mg/L	SM 2340 B-1997 (2011)
Magnesium, Total	2400			1000	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	5.96			0.80	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	106				mV	ASTM D1498-00
pH, Field	11.59				pH Units	SM 4500-H+ B
Potassium, Total	7100			2000	ug/L	6010C
Sodium, Total	94800			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	277			10	mg/L	SM 2540 C-2015
Temperature, Field	10.1				deg C	SM 2550 B
Turbidity, Field	9.5				NTU	180.1

CLIENT ID: MW-12M_121322	Lab ID: R2211828-013
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	393			2.0	mg/L	SM 2320 B-1997 (2011)



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-12M_121322		Lab ID: R2211828-013				
Analyte	Results	Flag	MDL	MRL	Units	Method
Ammonia as Nitrogen, undistilled	0.661			0.050	mg/L	350.1
Calcium, Total	90900			1000	ug/L	6010C
Carbon, Total Organic (TOC)	1.1			1.0	mg/L	SM 5310 B-2014
Chloride	2.8			2.0	mg/L	300.0
Conductivity, Field	687				uMHOS/c m	120.1
Hardness, Total as CaCO3	362			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	1820			100	ug/L	6010C
Magnesium, Total	32800			1000	ug/L	6010C
Manganese, Total	56			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.92			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-90.0				mV	ASTM D1498-00
Oxygen, Dissolved	0.79			0.20	mg/L	SM 4500-O G
pH, Field	7.43				pH Units	SM 4500-H+ B
Sodium, Total	15600			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	404			10	mg/L	SM 2540 C-2015
Sulfate	13.3			2.0	mg/L	300.0
Temperature, Field	9.70				deg C	SM 2550 B
Turbidity, Field	1.4				NTU	180.1

CLIENT ID: PW-10_121322		Lab ID: R2211828-014				
Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	392			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	90700			1000	ug/L	6010C
Carbon, Total Organic (TOC)	2.6			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	5.6			5.0	mg/L	410.4
Chloride	23.7			2.0	mg/L	300.0
Conductivity, Field	762				uMHOS/c m	120.1
Hardness, Total as CaCO3	386			6.62	mg/L	SM 2340 B-1997 (2011)
Magnesium, Total	38700			1000	ug/L	6010C
Nitrate as Nitrogen	1.1			1.0	mg/L	300.0
Nitrogen, Total Kjeldahl (TKN)	0.52			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	80.0				mV	ASTM D1498-00
Oxygen, Dissolved	7.88			0.20	mg/L	SM 4500-O G
pH, Field	7.22				pH Units	SM 4500-H+ B
Potassium, Total	2900			2000	ug/L	6010C
Sodium, Total	17100			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	422			10	mg/L	SM 2540 C-2015
Sulfate	5.9			2.0	mg/L	300.0



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: PW-10_121322	Lab ID: R2211828-014
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Analyte	Results	Flag	MDL	MRL	Units	Method
Temperature, Field	9.30				deg C	SM 2550 B
Turbidity, Field	1.5				NTU	180.1

CLIENT ID: PW-10DUP_121322	Lab ID: R2211828-015
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	392			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	91600			1000	ug/L	6010C
Carbon, Total Organic (TOC)	2.7			1.0	mg/L	SM 5310 B-2014
Chloride	24.1			2.0	mg/L	300.0
Conductivity, Field	763				uMHOS/cm	120.1
Hardness, Total as CaCO3	390			6.62	mg/L	SM 2340 B-1997 (2011)
Magnesium, Total	39100			1000	ug/L	6010C
Nitrate as Nitrogen	1.1			1.0	mg/L	300.0
Nitrogen, Total Kjeldahl (TKN)	0.79			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	68.0				mV	ASTM D1498-00
Oxygen, Dissolved	7.77			0.20	mg/L	SM 4500-O G
pH, Field	7.23				pH Units	SM 4500-H+ B
Potassium, Total	2900			2000	ug/L	6010C
Sodium, Total	17300			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	418			10	mg/L	SM 2540 C-2015
Sulfate	6.1			2.0	mg/L	300.0
Temperature, Field	9.10				deg C	SM 2550 B
Turbidity, Field	1.9				NTU	180.1

CLIENT ID: PW-5_121322	Lab ID: R2211828-016
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	530			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	1.85			0.25	mg/L	350.1
Calcium, Total	149000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	2.1			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	5.2			5.0	mg/L	410.4
Chloride	4.7			2.0	mg/L	300.0
Conductivity, Field	916				uMHOS/cm	120.1
Hardness, Total as CaCO3	498			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	820			100	ug/L	6010C
Magnesium, Total	30500			1000	ug/L	6010C
Manganese, Total	99			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	2.38			0.20	mg/L	351.2



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: PW-5_121322	Lab ID: R2211828-016
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Analyte	Results	Flag	MDL	MRL	Units	Method
Oxidation-Reduction Potential (ORP), Field	12.0				mV	ASTM D1498-00
Oxygen, Dissolved	0.64			0.20	mg/L	SM 4500-O G
pH, Field	6.64				pH Units	SM 4500-H+ B
Potassium, Total	7000			2000	ug/L	6010C
Sodium, Total	6700			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	524			10	mg/L	SM 2540 C-2015
Sulfate	8.5			2.0	mg/L	300.0
Temperature, Field	9.20				deg C	SM 2550 B
Turbidity, Field	5.7				NTU	180.1

CLIENT ID: PW-1_121322	Lab ID: R2211828-017
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	651			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	1.45			0.25	mg/L	350.1
Biochemical Oxygen Demand (BOD)	2.3			2.0	mg/L	SM 5210 B-2016
Calcium, Total	159000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	8.7			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	27.7			5.0	mg/L	410.4
Chloride	89.3			2.0	mg/L	300.0
Conductivity, Field	1410				uMHOS/c m	120.1
Hardness, Total as CaCO3	630			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	2840			100	ug/L	6010C
Magnesium, Total	56600			1000	ug/L	6010C
Manganese, Total	1840			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	2.06			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-23.0				mV	ASTM D1498-00
Oxygen, Dissolved	1.77			0.20	mg/L	SM 4500-O G
pH, Field	6.93				pH Units	SM 4500-H+ B
Potassium, Total	4300			2000	ug/L	6010C
Sodium, Total	56700			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	779			11	mg/L	SM 2540 C-2015
Sulfate	5.3			2.0	mg/L	300.0
Temperature, Field	10.3				deg C	SM 2550 B
Turbidity, Field	3.6				NTU	180.1

CLIENT ID: Upstream_121322	Lab ID: R2211828-018
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	462			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	128000			1000	ug/L	6010C



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: Upstream_121322 **Lab ID: R2211828-018**

Analyte	Results	Flag	MDL	MRL	Units	Method
Carbon, Total Organic (TOC)	5.0			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	14.8			5.0	mg/L	410.4
Chloride	45.4			2.0	mg/L	300.0
Conductivity, Field	954				uMHOS/c m	120.1
Hardness, Total as CaCO3	488			6.62	mg/L	SM 2340 B-1997 (2011)
Magnesium, Total	41000			1000	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.39			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	195				mV	ASTM D1498-00
pH, Field	7.59				pH Units	SM 4500-H+ B
Potassium, Total	3100			2000	ug/L	6010C
Sodium, Total	24400			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	557			10	mg/L	SM 2540 C-2015
Sulfate	28.1			2.0	mg/L	300.0
Temperature, Field	3.40				deg C	SM 2550 B
Turbidity, Field	2				NTU	180.1

CLIENT ID: Downstream_121322 **Lab ID: R2211828-019**

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	391			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	92600			1000	ug/L	6010C
Carbon, Total Organic (TOC)	4.3			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	13.8			5.0	mg/L	410.4
Chloride	26.6			2.0	mg/L	300.0
Conductivity, Field	790				uMHOS/c m	120.1
Hardness, Total as CaCO3	376			6.62	mg/L	SM 2340 B-1997 (2011)
Magnesium, Total	35200			1000	ug/L	6010C
Oxidation-Reduction Potential (ORP), Field	204				mV	ASTM D1498-00
pH, Field	8.01				pH Units	SM 4500-H+ B
Potassium, Total	3300			2000	ug/L	6010C
Sodium, Total	32800			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	467			10	mg/L	SM 2540 C-2015
Sulfate	27.7			2.0	mg/L	300.0
Temperature, Field	1.90				deg C	SM 2550 B
Turbidity, Field	1.4				NTU	180.1

CLIENT ID: MW-5S_121322 **Lab ID: R2211828-020**

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	730			20	mg/L	SM 2320 B-1997 (2011)



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-5S_121322		Lab ID: R2211828-020				
Analyte	Results	Flag	MDL	MRL	Units	Method
Ammonia as Nitrogen, undistilled	2.88			0.25	mg/L	350.1
Biochemical Oxygen Demand (BOD)	7.9			2.0	mg/L	SM 5210 B-2016
Calcium, Total	145000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	32.3			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	87.5			5.0	mg/L	410.4
Chloride	45.5			2.0	mg/L	300.0
Conductivity, Field	1400				uMHOS/cm	120.1
Hardness, Total as CaCO3	587			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	14400			100	ug/L	6010C
Magnesium, Total	54300			1000	ug/L	6010C
Manganese, Total	652			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	4.38			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-93.0				mV	ASTM D1498-00
Oxygen, Dissolved	0.73			0.20	mg/L	SM 4500-O G
pH, Field	7.02				pH Units	SM 4500-H+ B
Potassium, Total	4100			2000	ug/L	6010C
Sodium, Total	92000			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	826			11	mg/L	SM 2540 C-2015
Temperature, Field	10.9				deg C	SM 2550 B
Turbidity, Field	15.1				NTU	180.1



Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine

Service Request:R2211828

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R2211828-001	MW-8D_121222	12/12/2022	1005
R2211828-002	MW-15_121222	12/12/2022	1115
R2211828-003	MW-17_121222	12/12/2022	1315
R2211828-004	PZ-3_121222	12/12/2022	1355
R2211828-005	MW-13S_121222	12/12/2022	1420
R2211828-006	MW-16_121322	12/13/2022	0940
R2211828-007	PZ-2_121322	12/13/2022	1015
R2211828-008	MW-4S_121322	12/13/2022	1040
R2211828-009	MW-4D_121322	12/13/2022	1100
R2211828-010	MW-3S_121322	12/13/2022	1140
R2211828-011	MW-1S_121322	12/13/2022	1220
R2211828-012	MW-12D_121322	12/13/2022	1245
R2211828-013	MW-12M_121322	12/13/2022	1100
R2211828-014	PW-10_121322	12/13/2022	1150
R2211828-015	PW-10DUP_121322	12/13/2022	1150
R2211828-016	PW-5_121322	12/13/2022	1240
R2211828-017	PW-1_121322	12/13/2022	1320
R2211828-018	Upstream_121322	12/13/2022	1350
R2211828-019	Downstream_121322	12/13/2022	1415
R2211828-020	MW-5S_121322	12/13/2022	1435



Chain of Custody / Analytical Request Form

66563

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SR#: _____

Page 1 of 1

Report To:				ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER														
Company: Barton and Loguidice				Project Name: Torrey Landfill														
Contact: Darik Jordan				Project Number:														
Email:				ALS Quote #:														
Phone: 585-325-7190				Sampler's Signature:														
Address:				Email CC:														
				Email CC:														
				State Samples Collected (Circle or Write): <u>(NY)</u> MA, PA, CT, Other:														
Lab ID (ALS)	Sample Collection Information:			Matrix	Number of Containers	MS/MSD?	GC/MS VOA - 8260 • 624 • 524 • TCLP	GC/MS SVOA - 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs - 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	Notes:				
	Sample ID:	Date	Time											0. None	1. HCl	2. HNO3	3. H2SO4	4. NaOH
1	MW-8D	12/12/22	1005	GW	6								X					
2	MW-15		1115	GW	6								X					
3	MW-175		1315	GW	6								X					
4	P2-3		1355	GW	6								X					
5	MW-135		1420	GW	6								X					

Special Instructions / Comments:				Turnaround Requirements				Report Requirements				Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)			
				<input type="checkbox"/> Rush (Surcharges Apply) <input type="checkbox"/> Subject to Availability* <input type="checkbox"/> Please Check with your PM* <input type="checkbox"/> Standard (10 Business Days) Date Required: _____				<input type="checkbox"/> Tier II/Cat A - Results/QC <input type="checkbox"/> Tier IV/Cat B - Data Validation Report w/. Data EDD: <input type="checkbox"/> Yes <input type="checkbox"/> No EDD Type: _____				VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars • THM • Other: _____ Invoice To: <input type="checkbox"/> Same as Report To			
				Relinquished By:				Received By:				PO #:			
				Signature:				Signature:				Company:			
Printed Name: Kelsey Frey				Printed Name: Gregory O. Fermanian				Contact:							
Company: ALS				Company: ALS				Email:							
Date/Time: 12/12/22 16:30				Date/Time: 12/12/22 16:40				R2211828 5 Barton & Loguidice, PC Torrey Landfill 							

16:30 12/12/22



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

065467

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Project Name Torrey Landfill		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																
Project Manager Darik Jordan		Report CC		PRESERVATIVE																
Company/Address Barton and Loguidice				NUMBER OF CONTAINERS GC/MS VOAs • 8260 • 824 • CLP GC/MS SVOCs • 8270 • 825 GC VOAs • 821 • 801/802 PESTICIDES • 8081 • 808 PCBs • 8082 • 808 METALS TOTAL (List in comments below) METALS DISSOLVED (List in comments below) Part 360 Routine																
Phone # 585-325-7190		Email																		
Signature <i>[Signature]</i>		Sampler's Printed Name Quinten Kolbeck		Preservative Key 0. NONE 1. HCL 2. HNO3 3. H2SO4 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO4 8. Other _____ REMARKS/ ALTERNATE DESCRIPTION																
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE TIME		MATRIX																
MW-16 AC		12/13/2022	0940	W	12															12 + 13 QC
PZ-2			1015	W	6															14
MW-4S			1040	W	6															15
MW-4D			1100	W	6															16
MW-3S			1140	W	6															17
MW-1S			1220	W	6															18
MW-12D			1245	W	6															19
PW-8			NO SAMPLE, INADEQUATE RECHARGE																	
SPECIAL INSTRUCTIONS/COMMENTS Metals					TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) ____ 1 day ____ 2 day ____ 3 day ____ 4 day ____ 5 day Standard (10 business days-No Surcharge) REQUESTED REPORT DATE _____					REPORT REQUIREMENTS I. Results Only II. Results + OC Summaries (LCS, DUP, MS/MSD as required) III. Results + OC and Calibration Summaries IV. Data Validation Report with Raw Data Edata ____ Yes ____ No					INVOICE INFORMATION PO # BILL TO:					
STATE WHERE SAMPLES WERE COLLECTED																				
RELINQUISHED BY					RECEIVED BY					RELINQUISHED BY					RECEIVED BY					
Signature <i>[Signature]</i>					Signature <i>[Signature]</i>					Signature					Signature					
Printed Name Quinten Kolbeck					Printed Name Sarah Schwarzbauer					Printed Name					Printed Name					
Firm ALS					Firm ALS					Firm					Firm					
Date/Time 12/14/2022 1615					Date/Time 12/14/22 1615					Date/Time					Date/Time					

R2211828 **5**

Barton & Loguidice, PC
Torrey Landfill

Group



Chain of Custody / Analytical Request Form

66507

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SR#: _____

Page | of |

Report To:		ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER				Preservative														0. None		
Company: Barton + Loguidice		Project Name: Torrey Landfill				GW WW SW DW S L NA	Number of Containers	MS/MSD?	GC/MS VOA - 8260•624•524•TCLP	GC/MS SVOA - 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs - 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	Routine Part 360						1. HCl
Contact: Darik Jordan		Project Number:																				
Email:		ALS Quote #:																				
Phone: 585 - 325 - 7190		Sampler's Signature: <i>[Signature]</i>																				
Address:		Email CC:																				
		Email CC:																				
		State Samples Collected (Circle or Write): (NY) , MA, PA, CT, Other:																		2. HNO3 3. H2SO4 4. NaOH 5. Zn Acet. 6. MeOH 7. NaHSO4 8. Other		

Lab ID (ALS)	Sample Collection Information:			Matrix	Number of Containers	MS/MSD?	GC/MS VOA - 8260•624•524•TCLP	GC/MS SVOA - 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs - 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	Routine Part 360							Notes:	
	Sample ID:	Date	Time																			
6	MW-12M	12/13/22	1100	W	6									X								
7	PW-10		1150	W	6									X								
8	PW-10 Dup		1150	W	6									X								Dup
9	PW-5		1240	W	6									X								
10	PW-1		1320	W	6									X								
20	Upstream		1350	W	6									X								
21	Downstream		1415	W	6									X								
11	MW-5S		1435	W	6									X								

Special Instructions / Comments:	Turnaround Requirements	Report Requirements	Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)
	<input type="checkbox"/> Rush (Surcharges Apply) *Subject to Availability* *Please Check with your PM* <input type="checkbox"/> Standard (10 Business Days)	<input type="checkbox"/> Tier II/Cat A -Results/QC <input type="checkbox"/> Tier IV/Cat B - Data Validation Report w/. Data	VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars • THM • Other: _____
	Date Required: _____	EDD: <input type="checkbox"/> Yes <input type="checkbox"/> No EDD Type: _____	Invoice To: <input type="checkbox"/> Same as Report To
			PO #: _____ Company: _____

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:	Contact:
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Email: _____
Printed Name: Kyle Lee	Printed Name: Quinten Kolbeck	Printed Name: Quinten Kolbeck	Printed Name: Sarah Schwartzbauer	Printed Name: _____	Printed Name: _____	
Company: ALS	Company: ALS	Company: ALS	Company: ALS	Company: _____	Company: _____	
Date/Time: 12/13/22 1500	Date/Time: 12/13/2022 1500	Date/Time: 12/14/2022 1615	Date/Time: 12/14/22 1615	Date/Time: _____	Date/Time: _____	

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 Barton & Loguidice, PC
 Torrey Landfill



Cooler Receipt and Preservation Check

R2211828

5

Barton & Loguidice, PC
Torrrey Landfill



Project/Client Barton + Loguidice Folder Number _____

Cooler received on 12/12/22 by: JE

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y <u>N</u>
2	Custody papers properly completed (ink, signed)?	Y <u>N</u>
3	Did all bottles arrive in good condition (unbroken)?	Y <u>N</u>
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	Y <u>N</u>

5a	Perchlorate samples have required headspace?	Y N <u>NA</u>
5b	Did VOA vials, Alk. or Sulfide have sig* bubbles?	Y <u>N</u> NA
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	<u>NA</u>

8. Temperature Readings Date: 12/12/22 Time: 16:33 ID: IR#7 IR#11 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>5.4</u>						
Within 0-6°C?	<u>Y</u> N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R002 by JE on 12/12/22 at 16:36
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 12/14/22 Time: 06:50 by: JE

- 9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
- 10. Did all bottle labels and tags agree with custody papers? YES NO
- 11. Were correct containers used for the tests indicated? YES NO
- 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
- 13. Air Samples: Cassettes / Tubes Intact Y/N with MS Y/N Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp.	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
>12		NaOH								
<2	<u>200722</u>	HNO ₃	<u>X</u>		<u>2022091201</u>	<u>11/23</u>				
<2	<u>V</u>	H ₂ SO ₄	<u>X</u>		<u>M095-15</u>	<u>09/23</u>				
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522	<u>X</u>		If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 22-11-16, 22-09-19, 090522-1EKP, 101022-2EFG, 101322-2ADD
Explain all Discrepancies/ Other Comments:

H₂SO₄ lot for phenol/TOL: 22200059 exp 09/25

Labels secondary reviewed by: ME
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

HPROD	BULK
HTR	FLDT
<u>SLB</u>	HGFB
<u>ALS</u>	LL3541



Cooler Receipt and Preservation Check Form

R2211828

5

Barton & Loguidice, PC
Torrey Landfill



Project/Client Barton + Loguidice Folder Number _____

Cooler received on 12/14/22 by SES

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
2	Custody papers properly completed (ink, signed)?	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
3	Did all bottles arrive in good condition (unbroken)?	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>

5a	Perchlorate samples have required headspace?	Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/>
5b	Did VOA vials <u>Alk</u> or Sulfide have sig* bubbles?	Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/>
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	<u>NA</u>

8. Temperature Readings Date: 12/14/22 Time: 1:45 ID: IR#7 (IR#11) From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>0.2</u>	<u>0.1</u>	<u>2.4</u>	<u>1.1</u>	<u>0.0</u>	<u>1.7</u>	<u>0.9</u>	<u>0.2</u>
Within 0-6°C?	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
If <0°C, were samples frozen?	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by SES on 12/14/22 at _____
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 12/15/22 Time: 08:38 by: ME

- 9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
- 10. Did all bottle labels and tags agree with custody papers? YES NO
- 11. Were correct containers used for the tests indicated? YES NO
- 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
- 13. Air Samples: Cassettes / Tubes Intact Y/N with MS Y/N Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp.	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
2	<u>206722</u>	HNO ₃	X		<u>2022091201</u>	<u>1/23</u>				
2	<u>v</u>	H ₂ SO ₄	X		<u>M045-15</u>	<u>09/23</u>				
<4		NaHSO ₄								
5-9		For 608pest			No-Notify for 3day					
Residual Chlorine (-)		For CN, Phenol 625, 608pest, 522	X		If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		Zn Acetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 21-11-16, 22-09-19, 082222-1EKP, 103122-2ADD, 101022-2EFA
Explain all Discrepancies/ Other Comments:

H2SO4 lot for phenol/TOL: 22180113 exp: 05/25

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: ME
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Wells WELL ID MW-8D LAB ID 1

DATE 12/12/22 INITIAL SWL 92.99 CREW KF, KL SAMPLE TIME 1005

DEVICE QED MP 50 WEATHER 28°F Flurries

TIME	SWL	FLOW	PH	COND	TEMP-c	REDOX	TURBIDITY	D.O. mg/L
0940	92.99	120	-	-	-	-	-	-
0945	95.40	120	6.93	844	9.6	74	7.2	1.70
0950	96.10	120	6.92	848	10.1	-101	4.7	1.80
0955	96.48	120	7.02	848	10.2	-112	3.1	1.84
0955 1005	96.75	120	7.04	848	10.2	-115	2.8	1.83
1005	96.95	120	7.04	848	10.2	-115	3.2	1.33

Flow rates in ml/min

Calibration: 12/12/22 Time: 0925 pH = 7.00 4.00 10.00 Conductivity = 1414 Set to 1414

OBSERVATIONS: Turbidity = 0.0 / 10.0

EC Sampling to occur 12/13-14 via purge/sample. See attached
Field form



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID MW-15 LAB ID 2

DATE 12/12/22 INITIAL SWL 3.33 CREW KF, KL SAMPLE TIME 1115

DEVICE QED MP 50 WEATHER 28°F Flurries

TIME	SWL	FLOW	PH	COND	TEMP.c	REDOX	TURBIDITY	D.O. mg/L
10410	3.33	120	-	-	-	-	-	-
1045	5.51	120	7.44	898	11.3	40	62.6	2.90
1050	6.69	120	6.89	919	11.0	-3	60.1	0.85
1055	7.11	120	6.87	920	10.9	-38	33.4	0.49
1100	7.65	120	6.86	934	11.0	-60	15.4	0.36
1105	7.81	120	6.83	937	11.0	-68	10.3	0.33
1110	7.92	120	6.83	940	11.1	-75	5.3	0.32
1115	8.05	120	6.81	943	11.2	-77	3.6	0.29

Flow rates in ml/min

Calibration: 12/12/22 Time: 0925

pH =

Conductivity =

OBSERVATIONS:

Turbidity =



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID MW-17 ^{KL 12/12} ~~MW-175~~ LAB ID 3

DATE 12/12/22 INITIAL SWL 4.98 CREW KF, KL SAMPLE TIME 1315

DEVICE QED MP 50 WEATHER 28°F Overcast

TIME	SWL	FLOW	PH	COND	TEMP.°c	REDOX	TURBIDITY	D.O. mg/L
1255	4.98	120	-	-	-	-	-	-
1300	7.90	120	7.22	1639	10.2	137	1.9	5.82
1305	9.88	120	7.22	1646	10.1	127	1.8	5.00
1310	11.00	120	7.20	1652	10.0	123	1.7	4.76
1315	11.00	120	7.21	1655	10.1	122	1.6	4.61

Flow rates in ml/min

Calibration: 12/12/22 Time: 0925 pH = _____ Conductivity = _____

OBSERVATIONS: _____



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID PZ-3 LAB ID 4

DATE 12/12/22 INITIAL SWL See Below CREW KF, KL SAMPLE TIME 1355

DEVICE QED MP 50 WEATHER 30°F Overcast

See Below

TIME	SWL	FLOW	PH	COND	TEMP. ^c	REDOX	TURBIDITY	D.O. mg/L
1335		120	-	-	-	-	-	-
1340		120	7.13	1372	10.0	159	3.2	8.86
1345		120	7.03	1418	10.3	161	2.0	8.65
1350		120	7.02	1508	10.3	163	1.7	8.53
1355		120	7.05	1626	10.3	167	1.2	8.34
1400 ^{KF}		120 ^{KF}						

Flow rates in ml/min

Calibration: 12/12/22 Time: 0925 pH = Conductivity =

OBSERVATIONS: Turbidity =

Initial SWL at top of the bladder pump with a reading of 9.25. Unable to measure any deeper.



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID MW-135 LAB ID 5

DATE 12/12/22 INITIAL SWL See Below CREW KL, KF SAMPLE TIME 1420

DEVICE QED MP 50 WEATHER 28°F cloudy

See Below

TIME	SWL	FLOW	PH	COND	TEMP ^c	REDOX	TURBIDITY	D.O. mg/L
1200		120	-	-	-	-	-	-
1205		120	7.49	736	9.9	92	13.0	5.75
1210		120	7.31	740	9.8	97	14.6	5.32
1215		120	7.46	744	9.7	109	12.5	4.29
1220		120	7.25	742	9.7	114	9.9	3.46
1225		120	7.29	741	9.5	120	7.1	2.74
1230		120	7.31	743	9.4	120	7.8	3.22

Flow rates in ml/min

Calibration: 12/12/22 Time: 0925 pH = _____ Conductivity = _____

OBSERVATIONS: Turbidity = _____

Initial SWL below top of the bladder pump, unable to measure. Well went dry after stabilizing. Allowed to recharge prior to sampling.

* EC Sampling to be completed 12/13-14 via purge/sample. See other field form



FIELD MONITORING REPORT

PFAS QC
31 + 32 QC

PROJECT Torrey Landfill semi-annual wells LAB ID 12 + 13 QC

SAMPLE POINT ID MW-16

PURGE INFORMATION

Well Depth (ft.) 22.05 Purge Date 12/12/2022 Purge Method Bailer
 SWL (ft.) 16.78 Start Time 0937 Stop Time 0941
 Standing Water (ft.) 5.27 Volume Purged gal. 2.7 # casings 3.0
 Well Constant (gal/ft.) 0.163 Observations Turbid Tan
 Well Volume (gal.) 0.9

SAMPLING INFORMATION

Sample Method Bailer
 Date 12/13/2022 Time 0940 SWL 16.84
 Appearance clear to turbid tan
 Weather Conditions Sunny 25°
 Sampling Technician (Print) Quinten Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.03	7.03
Myron 6p	Conductivity	µmhos/cm	742	742
Myron 6p	Temperature	Degrees Celsius	11.7	11.7
Myron 6p	Redox	millivolts	143	-
Lamotte	Turbidity	NTU	9.2	-

Calibration Date/Time 12/13/2022 0930 pH = 7.00/4.00/10.00 Conductivity = 1414 set 1414

OBSERVATIONS

Turbidity = 0.0/10.0
EC was completed on well



FIELD MONITORING REPORT

PROJECT Torrey Landfill semi-annual wells LAB ID 14

SAMPLE POINT ID PZ-2

PURGE INFORMATION

Well Depth (ft.) 37.14 Purge Date 12/12/2022 Purge Method Bayer

SWL (ft.) 35.22 Start Time 1011 Stop Time 1016

Standing Water (ft.) 1.92 Volume Purged gal. 0.9 # casings 3.0

Well Constant (gal/ft.) 0.163 Observations Turbid Tan

Well Volume (gal.) 0.3

SAMPLING INFORMATION

Sample Method Bayer

Date 12/13/2022 Time 1015 SWL 35.39

Appearance Clear to Light Turbid Tan

Weather Conditions Sunny 25°

Sampling Technician (Print) Quinten Kolbase Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.71	6.71
Myron 6p	Conductivity	µmhos/cm	3146	3145
Myron 6p	Temperature	Degrees Celsius	10.2	10.2
Myron 6p	Redox	millivolts	-39	—
Lamotte	Turbidity	NTU	9.7	—

Calibration Date/Time 12/13/2022 0930 pH = _____ Conductivity = _____

OBSERVATIONS Turbidity = _____



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells LAB ID 15

SAMPLE POINT ID MW-45

PURGE INFORMATION

Well Depth (ft.) 40.95 Purge Date 12/12/2022 Purge Method Watera

SWL (ft.) 35.94 Start Time 1040 Stop Time 1042

Standing Water (ft.) 5.01 Volume Purged gal. 1.0 # casings 1.1 to Dry

Well Constant (gal/ft.) 0.163 Observations Clear to Turbid

Well Volume (gal.) 0.8 Tan / Brown

SAMPLING INFORMATION

Sample Method Watera

Date 12/13/2022 Time 1040 SWL 36.35

Appearance Turbid Tan to Clear

Weather Conditions Sunny 30°

Sampling Technician (Print) Quinten Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.53	6.53
Myron 6p	Conductivity	µmhos/cm	1225	1225
Myron 6p	Temperature	Degrees Celsius	10.5	10.5
Myron 6p	Redox	millivolts	42	—
Lamotte	Turbidity	NTU	13.4	—

Calibration Date/Time 12/13/2022 0930

pH =

Conductivity =

OBSERVATIONS

Turbidity =



FIELD MONITORING REPORT

PFAS/1,4 Dioxane
33

PROJECT Torrey Landfill Semi-annual wells LAB ID . 16

SAMPLE POINT ID MW-4D

PURGE INFORMATION

Well Depth (ft.) 131.45 Purge Date 12/02/2022 Purge Method Bailer

SWL (ft.) 119.89 Start Time 1106 Stop Time 1139

Standing Water (ft.) 11.56 Volume Purged gal. 5.7 # casings 3.0

Well Constant (gal/ft.) 0.163 Observations Turbid Tan

Well Volume (gal.) 1.9

SAMPLING INFORMATION

Sample Method Bailer

Date 12/13/2022 Time 1100 SWL 121.63

Appearance Light Turbid Tan

Weather Conditions Sunny 30°

Sampling Technician (Print) Quinton Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.20	7.20
Myron 6p	Conductivity	µmhos/cm	1213	1213
Myron 6p	Temperature	Degrees Celsius	10.3	10.3
Myron 6p	Redox	millivolts	42	—
Lamotte	Turbidity	NTU	27.6	—

Calibration Date/Time 12/13/2022 0930

pH =

Conductivity =

OBSERVATIONS

Turbidity =

EC was completed on well



FIELD MONITORING REPORT

PFAS + 1,4 Dioxane
34

PROJECT Torrey Landfill Semi-annual wells LAB ID 17

SAMPLE POINT ID MW-3s

PURGE INFORMATION

Well Depth (ft.) 37.61 Purge Date 12/12/2022 Purge Method Baier

SWL (ft.) 25.74 Start Time 1205 Stop Time 1211

Standing Water (ft.) 11.87 Volume Purged gal. 3.5 # casings 1.8 to Dry

Well Constant (gal/ft.) 0.163 Observations Clear to Turb'id

Well Volume (gal.) 19 Tan

SAMPLING INFORMATION

Sample Method Baier

Date 12/13/2022 Time 1140 SWL 36.56

Appearance Clear to Turb'id Tan

Weather Conditions Sunny 30°

Sampling Technician (Print) Quintan Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.02	7.02
Myron 6p	Conductivity	µmhos/cm	972	973
Myron 6p	Temperature	Degrees Celsius	10.5	10.5
Myron 6p	Redox	millivolts	119	—
Lamotte	Turbidity	NTU	4.3	—

Calibration Date/Time 12/13/2022 0930

pH =

Conductivity =

OBSERVATIONS

Turbidity =

EC was completed on well.



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells LAB ID 18

SAMPLE POINT ID MW-15

PURGE INFORMATION

Well Depth (ft.) 30.22 Purge Date 12/12/2022 Purge Method Bailer

SWL (ft.) 23.84 Start Time 1239 Stop Time 1245

Standing Water (ft.) 6.38 Volume Purged gal. 3.0 # casings 3.0

Well Constant (gal/ft.) 0.163 Observations Clear to Turbid

Well Volume (gal.) 1.0 Gray

SAMPLING INFORMATION

Sample Method Bailer

Date 12/13/2022 Time 1220 SWL 24.98

Appearance Light Turbid Tan

Weather Conditions Sunny 30°

Sampling Technician (Print) Quinten Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.13	7.14
Myron 6p	Conductivity	µmhos/cm	704	704
Myron 6p	Temperature	Degrees Celsius	10.7	10.7
Myron 6p	Redox	millivolts	160	—
Lamotte	Turbidity	NTU	36.5	—

Calibration Date/Time 12/13/2022 0930

pH =

Conductivity =

OBSERVATIONS

Turbidity =



FIELD MONITORING REPORT

PROJECT Torrey Landfill semi-annual wells LAB ID 19

SAMPLE POINT ID MW-12 D

PURGE INFORMATION

Well Depth (ft.) 99.00 Purge Date 12/12/2022 Purge Method Bailer

SWL (ft.) 78.90 Start Time 1316 Stop Time 1327

Standing Water (ft.) 20.10 Volume Purged gal. 3.3 # casings 1.0 to Dry

Well Constant (gal/ft.) 0.163 Observations Clear to Light

Well Volume (gal.) 3.3 Turbid Tan

SAMPLING INFORMATION

Sample Method Bailer

Date 12/13/2022 Time 1245 SWL 82.30

Appearance Clear

Weather Conditions Sunny 30°

Sampling Technician (Print) Quinten Kolbeek Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	11.59	11.59
Myron 6p	Conductivity	µmhos/cm	962	962
Myron 6p	Temperature	Degrees Celsius	10.1	10.1
Myron 6p	Redox	millivolts	106	—
Lamotte	Turbidity	NTU	9.5	—

Calibration Date/Time 12/13/2022 0930

pH =

Conductivity =

OBSERVATIONS

Turbidity =



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID MW-12M LAB ID 6

DATE 12/13/22 INITIAL SWL N/A See Below CREW KF, KL SAMPLE TIME 1100

DEVICE QED MP 50 WEATHER 24°F Sunny

See Below

TIME	SWL	FLOW	PH	COND	TEMP.°c	REDOX	TURBIDITY	D.O. mg/L
0945		120	-	-	-	-	-	-
0950		120	7.48	696	9.4	-39	3.0	3.38
0955		120	7.32	677	9.7	-73	2.2	1.95
1000		120	7.27	679	9.7	-68	2.1	1.26
1005		120	7.25	679	9.7	-58	1.5	0.91
1010		120	7.31	674	9.7	-65	1.3	0.92
1015		120	7.37	672	9.7	-64	1.8	1.01
1020		120	7.42	650	9.7	-68	1.3	1.51
1025		120	7.51	636	9.7	-60	1.3	2.20
1030		120	7.50	629	9.7	-54	^{KF} 2.5 1.4	2.57
1035		120	7.36	617	9.7	-49	1.2	2.97
1040		120	7.54	628	9.7	-52	1.2	3.00
1045		120	7.54	656	9.7	-77	1.2	1.72
1050		120	7.36	671	9.7	-80	1.3	1.37
1055		120	7.39	679	9.7	-85	0.9	0.97
1100		120	7.43	687	9.7	-90	1.4	0.79
1105 ^{KF}		120 ^{KF}						

Flow rates in ml/min

Calibration: 12/13/22 Time: 0940 pH = 7.00 4.00 10.00 Conductivity = 1414 Set to 1414

OBSERVATIONS: Turbidity = 0.0/10.0

SWL below Top of bladder pump at 9:48. NO SWL Possible



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID PW-10 LAB ID 7+8 DUP

DATE 12/13/22 INITIAL SWL 23.05 CREW KF, KL SAMPLE TIME 1150

DEVICE QED MP 50 WEATHER 24°F Sunny

TIME	SWL	FLOW	PH	COND	TEMP.°c	REDOX	TURBIDITY	D.O., mg/L
1130	23.05	120	-	-	-	-	-	-
1135	23.82	120	7.24	760	8.6	20	3.5	7.74
1140	23.24.21	120	7.24	762	8.7	51	2.0	7.68
1145	24.79	120	7.23	763	9.1	68	1.9	7.77
1150	25.12	120	7.22	762	9.3	80	1.5	7.88

Flow rates in ml/min

Calibration: 12/13/22 Time: 0940

pH =

Conductivity =

OBSERVATIONS:

Turbidity =



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID PW-5 LAB ID 9

DATE 12 / 13 / 22 INITIAL SWL 25.12 CREW KF, KL SAMPLE TIME 1240

DEVICE QED MP 50 WEATHER 25°F Sunny

TIME	SWL	FLOW	PH	COND	TEMP. _c	REDOX	TURBIDITY	D.O. mg/L
1215	25.12	120	-	-	-	-	-	-
1220	26.10	120	6.70	904	9.1	50	5.8	1.37
1225	26.42	120	6.66	912	9.2	24	6.2	0.81
1230	26.52	120	6.66	914	9.2	14	5.3	0.68
1235	26.70	120	6.68	915	9.2	12	5.3	0.66
1240	26.78	120	6.64	916	9.2	12	5.7	0.64

Flow rates in ml/min

Calibration: 12/13/22 Time: 0940 pH = _____ Conductivity = _____

OBSERVATIONS: _____ Turbidity = _____



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Wells WELL ID PW-1 ^{KL 12/13} ~~PW-2~~ LAB ID 10

DATE 12/13/22 INITIAL SWL 28.50 CREW KL, KF SAMPLE TIME 1320

DEVICE QED MP 50 WEATHER Sun 28

TIME	SWL	FLOW	PH	COND	TEMP ^c	REDOX	TURBIDITY	D.O. mg/L
1300	28.50	120	-	-	-	-	-	-
1305	29.25	120	7.03	1434	10.5	-25	3.1	3.43
1310	29.43	120	6.96	1421	10.3	-14	3.2	2.41
1315	29.68	120	6.94	1416	10.3	-20	3.3	1.92
1320	29.78	120	6.93	1410	10.3	-23	3.6	1.77

Flow rates in ml/min

Calibration: 12/13/22 Time: 1245 pH = 7.00 4.00 10.00 Conductivity = 1414 Set 1414

OBSERVATIONS: Turbidity = 0.0 to 0.0 / 1.0 to 1.0 / 10.0 to 10.0



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells LAB ID 20

SAMPLE POINT ID UPstream

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____
 SWL (ft.) _____ Start Time _____ Stop Time _____
 Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____
 Well Constant (gal/ft.) _____ Observations _____
 Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Grab
 Date 12/13/2022 Time 1350 SWL _____
 Appearance clear
 Weather Conditions Sunny 35°
 Sampling Technician (Print) Quinten Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.59	7.60
Myron 6p	Conductivity	µmhos/cm	954	954
Myron 6p	Temperature	Degrees Celsius	3.4	3.4
Myron 6p	Redox	millivolts	195	—
Lamotte	Turbidity	NTU	2.0	—

Calibration Date/Time 12/13/2022 0930 pH = _____ Conductivity = _____

OBSERVATIONS

Turbidity = _____
D.O: 9.74 mg/L



FIELD MONITORING REPORT

PROJECT Torrey Landf.'ll Semi-annual wells LAB ID 21

SAMPLE POINT ID Downstream

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____
 SWL (ft.) _____ Start Time _____ Stop Time _____
 Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____
 Well Constant (gal/ft.) _____ Observations _____
 Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Grab
 Date 12/13/2022 Time _____ SWL _____
 Appearance clear to Tan tint
 Weather Conditions Sunny 35°
 Sampling Technician (Print) Quinten Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	8.01	8.01
Myron 6p	Conductivity	µmhos/cm	790	790
Myron 6p	Temperature	Degrees Celsius	1.9	1.9
Myron 6p	Redox	millivolts	204	—
Lamotte	Turbidity	NTU	1.4	—

Calibration Date/Time 12/13/2022 0930 pH = _____ Conductivity = _____

OBSERVATIONS

Turbidity = _____
DO: 12.88 mg/L



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Wells WELL ID MW-55 LAB ID 11

DATE 12/13/22 INITIAL SWL 8.82 CREW kl, kf SAMPLE TIME 1435

DEVICE QED MP 50 WEATHER Sun 20

TIME	SWL	FLOW	PH	COND	TEMP ^c	REDOX	TURBIDITY	D.O. mg/L
1400	8.82	120	-	-	-	-	-	-
1410	11.65	120	6.99	1462	10.6	-122	31.1	1.33
1415	13.50	120	6.99	1460	10.7	-116	30.3	0.86
1420	14.86	120	7.02	1439	10.8	-110	23.8	0.75
1425	16.40	120	7.00	1420	10.8	-102	19.8	0.69
1430	17.82	120	7.02	1405	10.9	-96	16.5	0.71
1435	19.06	120	7.02	1400	10.9	-93	15.1	0.73

Flow rates in ml/min

Calibration: 12/13/22 Time: 1245

pH =

Conductivity =

OBSERVATIONS:

Turbidity =



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

065467

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name Torrey Landfill		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																			
Project Manager Darik Jordan		Report CC		PRESERVATIVE																			
Company/Address Barton and Loguidice				NUMBER OF CONTAINERS	GC/MS VOAs • 8260 • 824 • CLP • 8270 • 825	GC/MS SVOCs • 821 • 801/802	PESTICIDES • 8081 • 808	PCBs • 8082 • 808	METALS TOTAL (List in comments below)	METALS DISSOLVED (List in comments below)	Part 360 Range									Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____			
Phone # 585-325-7190		Email																					
Requester's Signature <i>[Signature]</i>		Sampler's Printed Name Quinten Kolbeck																			REMARKS/ ALTERNATE DESCRIPTION		
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE TIME		MATRIX																			
MW-16 AC		12/13/2022	0940	W	12																12 + 13 GC		
PZ-2			1015	W	6																14		
MW-4S			1040	W	6																15		
MW-4D			1100	W	6																16		
MW-3S			1140	W	6																17		
MW-1S			1220	W	6																18		
MW-12D			1245	W	6																19		
PW-8			NO SAMPLE, INADEQUATE RECHARGE																				
SPECIAL INSTRUCTIONS/COMMENTS Metals					TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day Standard (10 business days-No Surcharge) REQUESTED REPORT DATE					REPORT REQUIREMENTS I. Results Only II. Results + OC Summaries (LCS, DUP, MS/MSD as required) III. Results + OC and Calibration Summaries IV. Data Validation Report with Raw Data Edata Yes No					INVOICE INFORMATION PO # BILL TO:								
STATE WHERE SAMPLES WERE COLLECTED																							
RELINQUISHED BY				RECEIVED BY				RELINQUISHED BY				RECEIVED BY				RELINQUISHED BY				RECEIVED BY			
Signature				Signature				Signature				Signature				Signature				Signature			
Printed Name				Printed Name				Printed Name				Printed Name				Printed Name				Printed Name			
Firm				Firm				Firm				Firm				Firm				Firm			
Date/Time				Date/Time				Date/Time				Date/Time				Date/Time				Date/Time			

R2211828
Barton & Loguidice, PC
Torrey Landfill

5



Chain of Custody / Analytical Request Form

66507

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

SR#: _____

Page | of |

Report To:				ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER				Preservative																									
Company: Barton + Loguidice				Project Name: Torrey Landfill				GW WW SW DW S L NA	Number of Containers	MS/MSD?	GC/MS VOA - 8260•624•524•TCLP	GC/MS SVOA - 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs - 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	Routine Part 360						0. None	1. HCl	2. HNO3	3. H2SO4	4. NaOH	5. Zn Acet.	6. MeOH	7. NaHSO4	8. Other	
Contact: Darik Jordan				Project Number:																													Notes:
Email:				ALS Quote #:																													
Phone: 585 - 325 - 7190				Sampler's Signature:																													
Address:				Email CC:																													
				Email CC:																													
				State Samples Collected (Circle or Write): (NY, MA, PA, CT, Other:																													
Lab ID (ALS)	Sample Collection Information:			Matrix																													
	Sample ID:	Date	Time																														
6	MW-12M	12/13/22	1100	W	6											X																	
7	PW-10		1150	W	6											X																	
8	PW-10 DUP		1150	W	6											X									DUP								
9	PW-5		1240	W	6											X																	
10	PW-1		1320	W	6											X																	
20	Upstream		1350	W	6											X																	
21	Downstream		1415	W	6											X																	
11	MW-5S		1435	W	6											X																	

Special Instructions / Comments:	Turnaround Requirements	Report Requirements	Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)
	<input type="checkbox"/> Rush (Surcharges Apply) *Subject to Availability* *Please Check with your PM* <input type="checkbox"/> Standard (10 Business Days)	<input type="checkbox"/> Tier II/Cat A -Results/QC <input type="checkbox"/> Tier IV/Cat B - Data Validation Report w/. Data	VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars • THM • Other: _____
	Date Required: _____	EDD: <input type="checkbox"/> Yes <input type="checkbox"/> No EDD Type: _____	Invoice To: (<input type="checkbox"/> Same as Report To)
			PO #: _____ Company: _____

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:	Contact:
Signature: Kyle Lee	Signature: Quentin Kolbeck	Signature: Sarah Schwartzbauer	Signature: Sarah Schwartzbauer			Email:
Printed Name: Kyle Lee	Printed Name: Quentin Kolbeck	Printed Name: Sarah Schwartzbauer	Printed Name: Sarah Schwartzbauer			
Company: ALS	Company: ALS	Company: ALS	Company: ALS			
Date/Time: 12/13/22 1500	Date/Time: 12/13/2022 1500	Date/Time: 12/14/2022 1615	Date/Time: 12/14/22 1615			

R2211828 **5**

Barton & Loguidice, PC
Torrey Landfill



Cooler Receipt and Preservation Check

R2211828

5

Barton & Loguidice, PC
Torrrey Landfill



Project/Client Barton + Loguidice Folder Number _____

Cooler received on 12/12/22 by: JE

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y <input checked="" type="radio"/> N <input type="radio"/>
2	Custody papers properly completed (ink, signed)?	Y <input checked="" type="radio"/> N <input type="radio"/>
3	Did all bottles arrive in good condition (unbroken)?	Y <input checked="" type="radio"/> N <input type="radio"/>
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	Y <input checked="" type="radio"/> N <input type="radio"/>

5a	Perchlorate samples have required headspace?	Y <input type="radio"/> N <input checked="" type="radio"/> NA <input type="radio"/>
5b	Did VOA vials, Alk. or Sulfide have sig* bubbles?	Y <input type="radio"/> N <input checked="" type="radio"/> NA <input type="radio"/>
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	<u>NA</u>

8. Temperature Readings Date: 12/12/22 Time: 16:33 ID: IR#7 IR#11 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>5.4</u>						
Within 0-6°C?	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>
If <0°C, were samples frozen?	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R002 by JE on 12/12/22 at 16:36
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 12/14/22 Time: 06:50 by: JE

- 9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
- 10. Did all bottle labels and tags agree with custody papers? YES NO
- 11. Were correct containers used for the tests indicated? YES NO
- 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
- 13. Air Samples: Cassettes / Tubes Intact Y/N with MS Y/N Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp.	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
>12		NaOH								
<2	<u>200722</u>	HNO ₃	<u>X</u>		<u>2022091201</u>	<u>11/23</u>				
<2	<u>V</u>	H ₂ SO ₄	<u>X</u>		<u>M095-15</u>	<u>09/23</u>				
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522	<u>X</u>		If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 22-11-16, 22-09-19, 090522-1EKP, 101022-2EFG, 101322-2ADD
Explain all Discrepancies/ Other Comments:

H₂SO₄ lot for phenol/TOL: 22200059 exp 09/25

Labels secondary reviewed by: ME
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

HPRD	BULK
HTR	FLDT
<u>SLB</u>	HGFB
<u>ALS</u>	LL3541



Cooler Receipt and Preservation Check Form

R2211828

5

Barton & Loguidice, PC
Torrey Landfill



Project/Client Barton + Loguidice Folder Number _____

Cooler received on 12/14/22 by SES

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
2	Custody papers properly completed (ink, signed)?	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
3	Did all bottles arrive in good condition (unbroken)?	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>

5a	Perchlorate samples have required headspace?	Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/>
5b	Did VOA vials <u>Alk</u> or Sulfide have sig* bubbles?	Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/>
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	<u>NA</u>

8. Temperature Readings Date: 12/14/22 Time: 1:45 ID: IR#7 (IR#11) From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>0.2</u>	<u>0.1</u>	<u>2.4</u>	<u>1.1</u>	<u>0.0</u>	<u>1.7</u>	<u>0.9</u>	<u>0.2</u>
Within 0-6°C?	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
If <0°C, were samples frozen?	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by SES on 12/14/22 at _____
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 12/15/22 Time: 08:38 by: ME

- 9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
- 10. Did all bottle labels and tags agree with custody papers? YES NO
- 11. Were correct containers used for the tests indicated? YES NO
- 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
- 13. Air Samples: Cassettes / Tubes Intact Y/N with MS Y/N Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp.	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
2	<u>206722</u>	HNO ₃	X		<u>2022091201</u>	<u>1/23</u>				
2	<u>v</u>	H ₂ SO ₄	X		<u>M045-15</u>	<u>09/23</u>				
<4		NaHSO ₄								
5-9		For 608pest			No-Notify for 3day					
Residual Chlorine (-)		For CN, Phenol 625, 608pest, 522	X		If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		Zn Acetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 21-11-16, 22-09-19, 082222-1EKP, 103122-2ADD, 101022-2EFA
Explain all Discrepancies/ Other Comments:

H2SO4 lot for phenol/TOL: 22180113 exp: 05/25

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: ME
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



FIELD MONITORING REPORT

PFAS QC
31 + 32 QC

PROJECT Torrey Landfill semi-annual wells LAB ID 12 + 13 QC

SAMPLE POINT ID MW-16

PURGE INFORMATION

Well Depth (ft.) 22.05 Purge Date 12/12/2022 Purge Method Bailer
 SWL (ft.) 16.78 Start Time 0937 Stop Time 0941
 Standing Water (ft.) 5.27 Volume Purged gal. 2.7 # casings 3.0
 Well Constant (gal/ft.) 0.163 Observations Turbid Tan
 Well Volume (gal.) 0.9

SAMPLING INFORMATION

Sample Method Bailer
 Date 12/13/2022 Time 0940 SWL 16.84
 Appearance clear to turbid tan
 Weather Conditions Sunny 25°
 Sampling Technician (Print) Quinten Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.03	7.03
Myron 6p	Conductivity	µmhos/cm	742	742
Myron 6p	Temperature	Degrees Celsius	11.7	11.7
Myron 6p	Redox	millivolts	143	-
Lamotte	Turbidity	NTU	9.2	-

Calibration Date/Time 12/13/2022 0930 pH = 7.00/4.00/10.00 Conductivity = 1414 set 1414

OBSERVATIONS

Turbidity = 0.0/10.0
EC was completed on well



FIELD MONITORING REPORT

PROJECT Torrey Landfill semi-annual wells LAB ID 14

SAMPLE POINT ID PZ-2

PURGE INFORMATION

Well Depth (ft.) 37.14 Purge Date 12/12/2022 Purge Method Bayer

SWL (ft.) 35.22 Start Time 1011 Stop Time 1016

Standing Water (ft.) 1.92 Volume Purged gal. 0.9 # casings 3.0

Well Constant (gal/ft.) 0.163 Observations Turbid Tan

Well Volume (gal.) 0.3

SAMPLING INFORMATION

Sample Method Bayer

Date 12/13/2022 Time 1015 SWL 35.39

Appearance Clear to Light Turbid Tan

Weather Conditions Sunny 25°

Sampling Technician (Print) Quinten Kolbase Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.71	6.71
Myron 6p	Conductivity	µmhos/cm	3146	3145
Myron 6p	Temperature	Degrees Celsius	10.2	10.2
Myron 6p	Redox	millivolts	-39	—
Lamotte	Turbidity	NTU	9.7	—

Calibration Date/Time 12/13/2022 0930 pH = _____ Conductivity = _____

OBSERVATIONS _____ Turbidity = _____



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells LAB ID 15

SAMPLE POINT ID MW-45

PURGE INFORMATION

Well Depth (ft.) 40.95 Purge Date 12/12/2022 Purge Method Watera

SWL (ft.) 35.94 Start Time 1040 Stop Time 1042

Standing Water (ft.) 5.01 Volume Purged gal. 1.0 # casings 1.1 to Dry

Well Constant (gal/ft.) 0.163 Observations Clear to Turbid

Well Volume (gal.) 0.8 Tan / Brown

SAMPLING INFORMATION

Sample Method Watera

Date 12/13/2022 Time 1040 SWL 36.35

Appearance Turbid Tan to Clear

Weather Conditions Sunny 30°

Sampling Technician (Print) Quinten Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.53	6.53
Myron 6p	Conductivity	µmhos/cm	1225	1225
Myron 6p	Temperature	Degrees Celsius	10.5	10.5
Myron 6p	Redox	millivolts	42	—
Lamotte	Turbidity	NTU	13.4	—

Calibration Date/Time 12/13/2022 0930

pH =

Conductivity =

OBSERVATIONS

Turbidity =



FIELD MONITORING REPORT

PFAS/1,4 Dioxane
33

PROJECT Torrey Landfill Semi-annual wells LAB ID . 16

SAMPLE POINT ID MW-4D

PURGE INFORMATION

Well Depth (ft.) 131.45 Purge Date 12/02/2022 Purge Method Bailer

SWL (ft.) 119.89 Start Time 1106 Stop Time 1139

Standing Water (ft.) 11.56 Volume Purged gal. 5.7 # casings 3.0

Well Constant (gal/ft.) 0.163 Observations Turbid Tan

Well Volume (gal.) 1.9

SAMPLING INFORMATION

Sample Method Bailer

Date 12/13/2022 Time 1100 SWL 121.63

Appearance Light Turbid Tan

Weather Conditions Sunny 30°

Sampling Technician (Print) Quinton Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.20	7.20
Myron 6p	Conductivity	µmhos/cm	1213	1213
Myron 6p	Temperature	Degrees Celsius	10.3	10.3
Myron 6p	Redox	millivolts	42	—
Lamotte	Turbidity	NTU	27.6	—

Calibration Date/Time 12/13/2022 0930

pH =

Conductivity =

OBSERVATIONS

Turbidity =

EC was completed on well



FIELD MONITORING REPORT

PFAS + 1,4 Dioxane
34

PROJECT Torrey Landfill Semi-annual wells LAB ID 17

SAMPLE POINT ID MW-3s

PURGE INFORMATION

Well Depth (ft.) 37.61 Purge Date 12/12/2022 Purge Method Baier

SWL (ft.) 25.74 Start Time 1205 Stop Time 1211

Standing Water (ft.) 11.87 Volume Purged gal. 3.5 # casings 1.8 to Dry

Well Constant (gal/ft.) 0.163 Observations Clear to Turb'id

Well Volume (gal.) 19 Tan

SAMPLING INFORMATION

Sample Method Baier

Date 12/13/2022 Time 1140 SWL 36.56

Appearance Clear to Turb'id Tan

Weather Conditions Sunny 30°

Sampling Technician (Print) Quintan Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.02	7.02
Myron 6p	Conductivity	µmhos/cm	972	973
Myron 6p	Temperature	Degrees Celsius	10.5	10.5
Myron 6p	Redox	millivolts	119	—
Lamotte	Turbidity	NTU	4.3	—

Calibration Date/Time 12/13/2022 0930

pH =

Conductivity =

OBSERVATIONS

Turbidity =

EC was completed on well.



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells LAB ID 18

SAMPLE POINT ID MW-15

PURGE INFORMATION

Well Depth (ft.) 30.22 Purge Date 12/12/2022 Purge Method Bailer

SWL (ft.) 23.84 Start Time 1239 Stop Time 1245

Standing Water (ft.) 6.38 Volume Purged gal. 3.0 # casings 3.0

Well Constant (gal/ft.) 0.163 Observations Clear to Turbid

Well Volume (gal.) 1.0 Gray

SAMPLING INFORMATION

Sample Method Bailer

Date 12/13/2022 Time 1220 SWL 24.98

Appearance Light Turbid Tan

Weather Conditions Sunny 30°

Sampling Technician (Print) Quinten Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.13	7.14
Myron 6p	Conductivity	µmhos/cm	704	704
Myron 6p	Temperature	Degrees Celsius	10.7	10.7
Myron 6p	Redox	millivolts	160	—
Lamotte	Turbidity	NTU	36.5	—

Calibration Date/Time 12/13/2022 0930

pH =

Conductivity =

OBSERVATIONS

Turbidity =



FIELD MONITORING REPORT

PROJECT Torrey Landfill semi-annual wells LAB ID 19

SAMPLE POINT ID MW-12D

PURGE INFORMATION

Well Depth (ft.) 99.00 Purge Date 12/12/2022 Purge Method Bailer

SWL (ft.) 78.90 Start Time 1316 Stop Time 1327

Standing Water (ft.) 20.10 Volume Purged gal. 3.3 # casings 1.0 to Dry

Well Constant (gal/ft.) 0.163 Observations Clear to Light

Well Volume (gal.) 3.3 Turbid Tan

SAMPLING INFORMATION

Sample Method Bailer

Date 12/13/2022 Time 1245 SWL 82.30

Appearance Clear

Weather Conditions Sunny 30°

Sampling Technician (Print) Quinten Kolbeek Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	11.59	11.59
Myron 6p	Conductivity	µmhos/cm	962	962
Myron 6p	Temperature	Degrees Celsius	10.1	10.1
Myron 6p	Redox	millivolts	106	—
Lamotte	Turbidity	NTU	9.5	—

Calibration Date/Time 12/13/2022 0930

pH =

Conductivity =

OBSERVATIONS

Turbidity =



LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID MW-12M LAB ID 6

DATE 12/13/22 INITIAL SWL N/A See Below CREW KF, KL SAMPLE TIME 1100

DEVICE QED MP 50 WEATHER 24°F Sunny

See Below

TIME	SWL	FLOW	PH	COND	TEMP.°c	REDOX	TURBIDITY	D.O. mg/L
0945		120	-	-	-	-	-	-
0950		120	7.48	696	9.4	-39	3.0	3.38
0955		120	7.32	677	9.7	-73	2.2	1.95
1000		120	7.27	679	9.7	-68	2.1	1.26
1005		120	7.25	679	9.7	-58	1.5	0.91
1010		120	7.31	674	9.7	-65	1.3	0.92
1015		120	7.37	672	9.7	-64	1.8	1.01
1020		120	7.42	650	9.7	-68	1.3	1.51
1025		120	7.51	636	9.7	-60	1.3	2.20
1030		120	7.50	629	9.7	-54	^{KF} 2.5 1.4	2.57
1035		120	7.36	617	9.7	-49	1.2	2.97
1040		120	7.54	628	9.7	-52	1.2	3.00
1045		120	7.54	656	9.7	-77	1.2	1.72
1050		120	7.36	671	9.7	-80	1.3	1.37
1055		120	7.39	679	9.7	-85	0.9	0.97
1100		120	7.43	687	9.7	-90	1.4	0.79
1105 ^{KF}		120 ^{KF}						

Flow rates in ml/min

Calibration: 12/13/22 Time: 0940 pH = 7.00 4.00 10.00 Conductivity = 1414 Set to 1414

OBSERVATIONS: Turbidity = 0.0/10.0

SWL below Top of bladder pump at 9:48. NO SWL Possible



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells LAB ID 20

SAMPLE POINT ID UPstream

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____
 SWL (ft.) _____ Start Time _____ Stop Time _____
 Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____
 Well Constant (gal/ft.) _____ Observations _____
 Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Grab
 Date 12/13/2022 Time 1350 SWL _____
 Appearance clear
 Weather Conditions Sunny 35°
 Sampling Technician (Print) Quinten Kolbeck Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.59	7.60
Myron 6p	Conductivity	µmhos/cm	954	954
Myron 6p	Temperature	Degrees Celsius	3.4	3.4
Myron 6p	Redox	millivolts	195	—
Lamotte	Turbidity	NTU	2.0	—

Calibration Date/Time 12/13/2022 0930 pH = _____ Conductivity = _____

OBSERVATIONS

Turbidity = _____
D.O: 9.74 mg/L



FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells LAB ID 21

SAMPLE POINT ID Downstream

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____
 SWL (ft.) _____ Start Time _____ Stop Time _____
 Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____
 Well Constant (gal/ft.) _____ Observations _____
 Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Grab
 Date 12/13/2022 Time _____ SWL _____
 Appearance clear to Tan tint
 Weather Conditions Sunny 35°
 Sampling Technician (Print) Quinten Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	8.01	8.01
Myron 6p	Conductivity	µmhos/cm	790	790
Myron 6p	Temperature	Degrees Celsius	1.9	1.9
Myron 6p	Redox	millivolts	204	—
Lamotte	Turbidity	NTU	1.4	—

Calibration Date/Time 12/13/2022 0930 pH = _____ Conductivity = _____

OBSERVATIONS

Turbidity = _____
DO: 12.88 mg/L



Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

<p>U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.</p> <p>J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).</p> <p>B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.</p> <p>E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.</p> <p>E Organics- Concentration has exceeded the calibration range for that specific analysis.</p> <p>D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.</p> <p>* Indicates that a quality control parameter has exceeded laboratory limits. Under the “Notes” column of the Form I, this qualifier denotes analysis was performed out of Holding Time.</p> <p>H Analysis was performed out of hold time for tests that have an “immediate” hold time criteria.</p> <p># Spike was diluted out.</p>	<p>+ Correlation coefficient for MSA is <0.995.</p> <p>N Inorganics- Matrix spike recovery was outside laboratory limits.</p> <p>N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.</p> <p>S Concentration has been determined using Method of Standard Additions (MSA).</p> <p>W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.</p> <p>P Concentration >40% difference between the two GC columns.</p> <p>C Confirmed by GC/MS</p> <p>Q DoD reports: indicates a pesticide/Aroclor is not confirmed ($\geq 100\%$ Difference between two GC columns).</p> <p>X See Case Narrative for discussion.</p> <p>MRL Method Reporting Limit. Also known as:</p> <p>LOQ Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.</p> <p>MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).</p> <p>LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.</p> <p>ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.</p>
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Rochester Lab ID # for State Accreditations¹



NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

¹ Analyses were performed according to our laboratory’s NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine

Service Request: R2211828

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
120.1	Water	Conductivity, Field
180.1	Water	Turbidity, Field
ASTM D1498-00	Water	Oxidation-Reduction Potential (ORP), Field
SM 2550 B	Water	Temperature, Field
SM 4500-H+ B	Water	pH, Field
SM 4500-O G	Water	Oxygen, Dissolved

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine

Service Request: R2211828

Sample Name: MW-8D_121222
Lab Code: R2211828-001
Sample Matrix: Water

Date Collected: 12/12/22
Date Received: 12/12/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON
351.2	CCAMPBELL	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		KAWONG

Sample Name: MW-15_121222
Lab Code: R2211828-002
Sample Matrix: Water

Date Collected: 12/12/22
Date Received: 12/12/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON
351.2	CCAMPBELL	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine

Service Request: R2211828

Sample Name: MW-15_121222
Lab Code: R2211828-002
Sample Matrix: Water

Date Collected: 12/12/22
Date Received: 12/12/22

Analysis Method	Extracted/Digested By	Analyzed By
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		KAWONG

Sample Name: MW-17_121222
Lab Code: R2211828-003
Sample Matrix: Water

Date Collected: 12/12/22
Date Received: 12/12/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON
351.2	CCAMPBELL	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		KAWONG

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dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine

Service Request: R2211828

Sample Name: PZ-3_121222
Lab Code: R2211828-004
Sample Matrix: Water

Date Collected: 12/12/22
Date Received: 12/12/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON
351.2	CCAMPBELL	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		KAWONG

Sample Name: MW-13S_121222
Lab Code: R2211828-005
Sample Matrix: Water

Date Collected: 12/12/22
Date Received: 12/12/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON
351.2	CCAMPBELL	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine

Service Request: R2211828

Sample Name: MW-13S_121222
Lab Code: R2211828-005
Sample Matrix: Water

Date Collected: 12/12/22
Date Received: 12/12/22

Analysis Method	Extracted/Digested By	Analyzed By
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		KAWONG

Sample Name: MW-16_121322
Lab Code: R2211828-006
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON
351.2	CCAMPBELL	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		KAWONG

Sample Name: PZ-2_121322
Lab Code: R2211828-007
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine

Service Request: R2211828

Sample Name: PZ-2_121322
Lab Code: R2211828-007
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON
351.2	CCAMPBELL	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		KAWONG

Sample Name: MW-4S_121322
Lab Code: R2211828-008
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON
351.2	CCAMPBELL	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2016		STALARICO

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine

Service Request: R2211828

Sample Name: MW-4S_121322
Lab Code: R2211828-008
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
SM 5310 B-2014		KAWONG

Sample Name: MW-4D_121322
Lab Code: R2211828-009
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON
351.2	CCAMPBELL	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		KAWONG

Sample Name: MW-3S_121322
Lab Code: R2211828-010
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine

Service Request: R2211828

Sample Name: MW-3S_121322
Lab Code: R2211828-010
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
351.2	CCAMPBELL	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		KAWONG

Sample Name: MW-1S_121322
Lab Code: R2211828-011
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON
351.2	CCAMPBELL	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		KAWONG

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine

Service Request: R2211828

Sample Name: MW-12D_121322
Lab Code: R2211828-012
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON
351.2	STALARICO	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		KAWONG

Sample Name: MW-12M_121322
Lab Code: R2211828-013
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON
351.2	STALARICO	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine

Service Request: R2211828

Sample Name: MW-12M_121322
Lab Code: R2211828-013
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		KAWONG

Sample Name: PW-10_121322
Lab Code: R2211828-014
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON
351.2	STALARICO	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		KAWONG

Sample Name: PW-10DUP_121322
Lab Code: R2211828-015
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine

Service Request: R2211828

Sample Name: PW-10DUP_121322
Lab Code: R2211828-015
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON
351.2	STALARICO	GNITAJOUPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		KAWONG

Sample Name: PW-5_121322
Lab Code: R2211828-016
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON
351.2	STALARICO	GNITAJOUPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine

Service Request: R2211828

Sample Name: PW-5_121322
Lab Code: R2211828-016
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		KAWONG

Sample Name: PW-1_121322
Lab Code: R2211828-017
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON
351.2	STALARICO	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		KAWONG

Sample Name: Upstream_121322
Lab Code: R2211828-018
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine

Service Request: R2211828

Sample Name: Upstream_121322
Lab Code: R2211828-018
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON
351.2	STALARICO	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		KAWONG

Sample Name: Downstream_121322
Lab Code: R2211828-019
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON
351.2	STALARICO	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2016		STALARICO

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine

Service Request: R2211828

Sample Name: Downstream_121322
Lab Code: R2211828-019
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
SM 5310 B-2014		KAWONG

Sample Name: MW-5S_121322
Lab Code: R2211828-020
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KWONG
350.1		MROGERSON
351.2	STALARICO	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		STALARICO
SM 5310 B-2014		KAWONG



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	



Sample Results

ALS Environmental—Rochester Laboratory
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Metals

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/12/22 10:05
Date Received: 12/12/22 16:15

Sample Name: MW-8D_121222
Lab Code: R2211828-001

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:08	12/19/22	
Calcium, Total	6010C	79600	ug/L	1000	1	12/20/22 22:08	12/19/22	
Iron, Total	6010C	4370	ug/L	100	1	12/20/22 22:08	12/19/22	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:08	12/19/22	
Magnesium, Total	6010C	27000	ug/L	1000	1	12/20/22 22:08	12/19/22	
Manganese, Total	6010C	75	ug/L	10	1	12/20/22 22:08	12/19/22	
Potassium, Total	6010C	2000 U	ug/L	2000	1	12/20/22 22:08	12/19/22	
Sodium, Total	6010C	64200	ug/L	1000	1	12/20/22 22:08	12/19/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-15_121222
Lab Code: R2211828-002

Service Request: R2211828
Date Collected: 12/12/22 11:15
Date Received: 12/12/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:12	12/19/22	
Calcium, Total	6010C	72000	ug/L	1000	1	12/20/22 22:12	12/19/22	
Iron, Total	6010C	7100	ug/L	100	1	12/20/22 22:12	12/19/22	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:12	12/19/22	
Magnesium, Total	6010C	39400	ug/L	1000	1	12/20/22 22:12	12/19/22	
Manganese, Total	6010C	143	ug/L	10	1	12/20/22 22:12	12/19/22	
Potassium, Total	6010C	17800	ug/L	2000	1	12/20/22 22:12	12/19/22	
Sodium, Total	6010C	40500	ug/L	1000	1	12/20/22 22:12	12/19/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/12/22 13:15
Date Received: 12/12/22 16:15

Sample Name: MW-17_121222
Lab Code: R2211828-003

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:15	12/19/22	
Calcium, Total	6010C	116000	ug/L	1000	1	12/20/22 22:15	12/19/22	
Iron, Total	6010C	100 U	ug/L	100	1	12/20/22 22:15	12/19/22	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:15	12/19/22	
Magnesium, Total	6010C	133000	ug/L	1000	1	12/20/22 22:15	12/19/22	
Manganese, Total	6010C	74	ug/L	10	1	12/20/22 22:15	12/19/22	
Potassium, Total	6010C	3800	ug/L	2000	1	12/20/22 22:15	12/19/22	
Sodium, Total	6010C	31900	ug/L	1000	1	12/20/22 22:15	12/19/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/12/22 13:55
Date Received: 12/12/22 16:15

Sample Name: PZ-3_121222
Lab Code: R2211828-004

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:18	12/19/22	
Calcium, Total	6010C	183000	ug/L	1000	1	12/20/22 22:18	12/19/22	
Iron, Total	6010C	570	ug/L	100	1	12/20/22 22:18	12/19/22	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:18	12/19/22	
Magnesium, Total	6010C	178000	ug/L	1000	1	12/20/22 22:18	12/19/22	
Manganese, Total	6010C	25	ug/L	10	1	12/20/22 22:18	12/19/22	
Potassium, Total	6010C	2000 U	ug/L	2000	1	12/20/22 22:18	12/19/22	
Sodium, Total	6010C	44300	ug/L	1000	1	12/20/22 22:18	12/19/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-13S_121222
Lab Code: R2211828-005

Service Request: R2211828
Date Collected: 12/12/22 14:20
Date Received: 12/12/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:21	12/19/22	
Calcium, Total	6010C	90000	ug/L	1000	1	12/20/22 22:21	12/19/22	
Iron, Total	6010C	2920	ug/L	100	1	12/20/22 22:21	12/19/22	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:21	12/19/22	
Magnesium, Total	6010C	40200	ug/L	1000	1	12/20/22 22:21	12/19/22	
Manganese, Total	6010C	36	ug/L	10	1	12/20/22 22:21	12/19/22	
Potassium, Total	6010C	2300	ug/L	2000	1	12/20/22 22:21	12/19/22	
Sodium, Total	6010C	17900	ug/L	1000	1	12/20/22 22:21	12/19/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-16_121322
Lab Code: R2211828-006

Service Request: R2211828
Date Collected: 12/13/22 09:40
Date Received: 12/14/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:25	12/19/22	
Calcium, Total	6010C	188000	ug/L	1000	1	12/20/22 22:25	12/19/22	
Iron, Total	6010C	44100	ug/L	100	1	12/20/22 22:25	12/19/22	
Lead, Total	6010C	21.5	ug/L	5.0	1	12/20/22 22:25	12/19/22	
Magnesium, Total	6010C	62200	ug/L	1000	1	12/20/22 22:25	12/19/22	
Manganese, Total	6010C	1040	ug/L	10	1	12/20/22 22:25	12/19/22	
Potassium, Total	6010C	12600	ug/L	2000	1	12/20/22 22:25	12/19/22	
Sodium, Total	6010C	9100	ug/L	1000	1	12/20/22 22:25	12/19/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22 10:15
Date Received: 12/14/22 16:15

Sample Name: PZ-2_121322
Lab Code: R2211828-007

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:47	12/19/22	
Calcium, Total	6010C	219000	ug/L	1000	1	12/20/22 22:47	12/19/22	
Iron, Total	6010C	14500	ug/L	100	1	12/20/22 22:47	12/19/22	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:47	12/19/22	
Magnesium, Total	6010C	119000	ug/L	1000	1	12/20/22 22:47	12/19/22	
Manganese, Total	6010C	584	ug/L	10	1	12/20/22 22:47	12/19/22	
Potassium, Total	6010C	6100	ug/L	2000	1	12/20/22 22:47	12/19/22	
Sodium, Total	6010C	326000	ug/L	10000	10	12/27/22 16:47	12/19/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-4S_121322
Lab Code: R2211828-008

Service Request: R2211828
Date Collected: 12/13/22 10:40
Date Received: 12/14/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:51	12/19/22	
Calcium, Total	6010C	356000	ug/L	10000	10	12/27/22 16:50	12/19/22	
Iron, Total	6010C	121000	ug/L	1000	10	12/27/22 16:50	12/19/22	
Lead, Total	6010C	79.4	ug/L	5.0	1	12/20/22 22:51	12/19/22	
Magnesium, Total	6010C	67900	ug/L	1000	1	12/20/22 22:51	12/19/22	
Manganese, Total	6010C	6890	ug/L	10	1	12/20/22 22:51	12/19/22	
Potassium, Total	6010C	9600	ug/L	2000	1	12/20/22 22:51	12/19/22	
Sodium, Total	6010C	17300	ug/L	1000	1	12/20/22 22:51	12/19/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-4D_121322
Lab Code: R2211828-009

Service Request: R2211828
Date Collected: 12/13/22 11:00
Date Received: 12/14/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:54	12/19/22	
Calcium, Total	6010C	31300	ug/L	1000	1	12/20/22 22:54	12/19/22	
Iron, Total	6010C	8900	ug/L	100	1	12/20/22 22:54	12/19/22	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:54	12/19/22	
Magnesium, Total	6010C	8800	ug/L	1000	1	12/20/22 22:54	12/19/22	
Manganese, Total	6010C	213	ug/L	10	1	12/20/22 22:54	12/19/22	
Potassium, Total	6010C	5300	ug/L	2000	1	12/20/22 22:54	12/19/22	
Sodium, Total	6010C	298000	ug/L	10000	10	12/27/22 17:00	12/19/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-3S_121322
Lab Code: R2211828-010

Service Request: R2211828
Date Collected: 12/13/22 11:40
Date Received: 12/14/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:57	12/19/22	
Calcium, Total	6010C	64500	ug/L	1000	1	12/20/22 22:57	12/19/22	
Iron, Total	6010C	2110	ug/L	100	1	12/20/22 22:57	12/19/22	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:57	12/19/22	
Magnesium, Total	6010C	93800	ug/L	1000	1	12/20/22 22:57	12/19/22	
Manganese, Total	6010C	98	ug/L	10	1	12/20/22 22:57	12/19/22	
Potassium, Total	6010C	4800	ug/L	2000	1	12/20/22 22:57	12/19/22	
Sodium, Total	6010C	26000	ug/L	1000	1	12/20/22 22:57	12/19/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-1S_121322
Lab Code: R2211828-011

Service Request: R2211828
Date Collected: 12/13/22 12:20
Date Received: 12/14/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:00	12/19/22	
Calcium, Total	6010C	100000	ug/L	1000	1	12/20/22 23:00	12/19/22	
Iron, Total	6010C	3760	ug/L	100	1	12/20/22 23:00	12/19/22	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:00	12/19/22	
Magnesium, Total	6010C	40900	ug/L	1000	1	12/20/22 23:00	12/19/22	
Manganese, Total	6010C	142	ug/L	10	1	12/20/22 23:00	12/19/22	
Potassium, Total	6010C	2400	ug/L	2000	1	12/20/22 23:00	12/19/22	
Sodium, Total	6010C	11000	ug/L	1000	1	12/20/22 23:00	12/19/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-12D_121322
Lab Code: R2211828-012

Service Request: R2211828
Date Collected: 12/13/22 12:45
Date Received: 12/14/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:04	12/19/22	
Calcium, Total	6010C	15100	ug/L	1000	1	12/20/22 23:04	12/19/22	
Iron, Total	6010C	100 U	ug/L	100	1	12/20/22 23:04	12/19/22	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:04	12/19/22	
Magnesium, Total	6010C	2400	ug/L	1000	1	12/20/22 23:04	12/19/22	
Manganese, Total	6010C	10 U	ug/L	10	1	12/20/22 23:04	12/19/22	
Potassium, Total	6010C	7100	ug/L	2000	1	12/20/22 23:04	12/19/22	
Sodium, Total	6010C	94800	ug/L	1000	1	12/20/22 23:04	12/19/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-12M_121322
Lab Code: R2211828-013

Service Request: R2211828
Date Collected: 12/13/22 11:00
Date Received: 12/14/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:07	12/19/22	
Calcium, Total	6010C	90900	ug/L	1000	1	12/20/22 23:07	12/19/22	
Iron, Total	6010C	1820	ug/L	100	1	12/20/22 23:07	12/19/22	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:07	12/19/22	
Magnesium, Total	6010C	32800	ug/L	1000	1	12/20/22 23:07	12/19/22	
Manganese, Total	6010C	56	ug/L	10	1	12/20/22 23:07	12/19/22	
Potassium, Total	6010C	2000 U	ug/L	2000	1	12/20/22 23:07	12/19/22	
Sodium, Total	6010C	15600	ug/L	1000	1	12/20/22 23:07	12/19/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22 11:50
Date Received: 12/14/22 16:15

Sample Name: PW-10_121322
Lab Code: R2211828-014

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:10	12/19/22	
Calcium, Total	6010C	90700	ug/L	1000	1	12/20/22 23:10	12/19/22	
Iron, Total	6010C	100 U	ug/L	100	1	12/20/22 23:10	12/19/22	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:10	12/19/22	
Magnesium, Total	6010C	38700	ug/L	1000	1	12/20/22 23:10	12/19/22	
Manganese, Total	6010C	10 U	ug/L	10	1	12/20/22 23:10	12/19/22	
Potassium, Total	6010C	2900	ug/L	2000	1	12/20/22 23:10	12/19/22	
Sodium, Total	6010C	17100	ug/L	1000	1	12/20/22 23:10	12/19/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: PW-10DUP_121322
Lab Code: R2211828-015

Service Request: R2211828
Date Collected: 12/13/22 11:50
Date Received: 12/14/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:20	12/19/22	
Calcium, Total	6010C	91600	ug/L	1000	1	12/20/22 23:20	12/19/22	
Iron, Total	6010C	100 U	ug/L	100	1	12/20/22 23:20	12/19/22	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:20	12/19/22	
Magnesium, Total	6010C	39100	ug/L	1000	1	12/20/22 23:20	12/19/22	
Manganese, Total	6010C	10 U	ug/L	10	1	12/20/22 23:20	12/19/22	
Potassium, Total	6010C	2900	ug/L	2000	1	12/20/22 23:20	12/19/22	
Sodium, Total	6010C	17300	ug/L	1000	1	12/20/22 23:20	12/19/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22 12:40
Date Received: 12/14/22 16:15

Sample Name: PW-5_121322
Lab Code: R2211828-016

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:23	12/19/22	
Calcium, Total	6010C	149000	ug/L	1000	1	12/20/22 23:23	12/19/22	
Iron, Total	6010C	820	ug/L	100	1	12/20/22 23:23	12/19/22	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:23	12/19/22	
Magnesium, Total	6010C	30500	ug/L	1000	1	12/20/22 23:23	12/19/22	
Manganese, Total	6010C	99	ug/L	10	1	12/20/22 23:23	12/19/22	
Potassium, Total	6010C	7000	ug/L	2000	1	12/20/22 23:23	12/19/22	
Sodium, Total	6010C	6700	ug/L	1000	1	12/20/22 23:23	12/19/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22 13:20
Date Received: 12/14/22 16:15

Sample Name: PW-1_121322
Lab Code: R2211828-017

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:26	12/19/22	
Calcium, Total	6010C	159000	ug/L	1000	1	12/20/22 23:26	12/19/22	
Iron, Total	6010C	2840	ug/L	100	1	12/20/22 23:26	12/19/22	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:26	12/19/22	
Magnesium, Total	6010C	56600	ug/L	1000	1	12/20/22 23:26	12/19/22	
Manganese, Total	6010C	1840	ug/L	10	1	12/20/22 23:26	12/19/22	
Potassium, Total	6010C	4300	ug/L	2000	1	12/20/22 23:26	12/19/22	
Sodium, Total	6010C	56700	ug/L	1000	1	12/20/22 23:26	12/19/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: Upstream_121322
Lab Code: R2211828-018

Service Request: R2211828
Date Collected: 12/13/22 13:50
Date Received: 12/14/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:30	12/19/22	
Calcium, Total	6010C	128000	ug/L	1000	1	12/20/22 23:30	12/19/22	
Iron, Total	6010C	100 U	ug/L	100	1	12/20/22 23:30	12/19/22	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:30	12/19/22	
Magnesium, Total	6010C	41000	ug/L	1000	1	12/20/22 23:30	12/19/22	
Manganese, Total	6010C	10 U	ug/L	10	1	12/20/22 23:30	12/19/22	
Potassium, Total	6010C	3100	ug/L	2000	1	12/20/22 23:30	12/19/22	
Sodium, Total	6010C	24400	ug/L	1000	1	12/20/22 23:30	12/19/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22 14:15
Date Received: 12/14/22 16:15

Sample Name: Downstream_121322
Lab Code: R2211828-019

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:33	12/19/22	
Calcium, Total	6010C	92600	ug/L	1000	1	12/20/22 23:33	12/19/22	
Iron, Total	6010C	100 U	ug/L	100	1	12/20/22 23:33	12/19/22	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:33	12/19/22	
Magnesium, Total	6010C	35200	ug/L	1000	1	12/20/22 23:33	12/19/22	
Manganese, Total	6010C	10 U	ug/L	10	1	12/20/22 23:33	12/19/22	
Potassium, Total	6010C	3300	ug/L	2000	1	12/20/22 23:33	12/19/22	
Sodium, Total	6010C	32800	ug/L	1000	1	12/20/22 23:33	12/19/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-5S_121322
Lab Code: R2211828-020

Service Request: R2211828
Date Collected: 12/13/22 14:35
Date Received: 12/14/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:36	12/19/22	
Calcium, Total	6010C	145000	ug/L	1000	1	12/20/22 23:36	12/19/22	
Iron, Total	6010C	14400	ug/L	100	1	12/20/22 23:36	12/19/22	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 23:36	12/19/22	
Magnesium, Total	6010C	54300	ug/L	1000	1	12/20/22 23:36	12/19/22	
Manganese, Total	6010C	652	ug/L	10	1	12/20/22 23:36	12/19/22	
Potassium, Total	6010C	4100	ug/L	2000	1	12/20/22 23:36	12/19/22	
Sodium, Total	6010C	92000	ug/L	1000	1	12/20/22 23:36	12/19/22	



General Chemistry

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-8D_121222
Lab Code: R2211828-001

Service Request: R2211828
Date Collected: 12/12/22 10:05
Date Received: 12/12/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	434	mg/L	2.0	1	12/17/22 17:01	NA	
Ammonia as Nitrogen, undistilled	350.1	3.65	mg/L	0.25	5	12/27/22 21:22	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	7.6	mg/L	2.0	1	12/14/22 08:07	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/13/22 07:32	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	7.2	mg/L	1.0	1	12/21/22 19:32	NA	
Chemical Oxygen Demand, Total	410.4	23.1	mg/L	5.0	1	12/28/22 16:38	NA	
Chloride	300.0	35.1	mg/L	2.0	10	12/13/22 07:32	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	310	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/13/22 07:32	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	4.65	mg/L	0.20	1	12/23/22 12:13	12/22/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/19/22 22:46	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	478	mg/L	10	1	12/16/22 08:40	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	12/13/22 07:32	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-15_121222
Lab Code: R2211828-002

Service Request: R2211828
Date Collected: 12/12/22 11:15
Date Received: 12/12/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	461	mg/L	6.0	3	12/17/22 17:21	NA	
Ammonia as Nitrogen, undistilled	350.1	17.0	mg/L	1.0	20	12/27/22 21:23	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/14/22 08:10	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/13/22 07:38	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	3.8	mg/L	1.0	1	12/21/22 19:43	NA	
Chemical Oxygen Demand, Total	410.4	9.1	mg/L	5.0	1	12/28/22 16:38	NA	
Chloride	300.0	31.4	mg/L	2.0	10	12/13/22 07:38	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	342	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/13/22 07:38	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	19.4	mg/L	1.0	5	12/23/22 12:31	12/22/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/19/22 22:50	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	453	mg/L	11	1	12/16/22 08:40	NA	
Sulfate	300.0	6.2	mg/L	2.0	10	12/13/22 07:38	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-17_121222
Lab Code: R2211828-003

Service Request: R2211828
Date Collected: 12/12/22 13:15
Date Received: 12/12/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	443	mg/L	2.0	1	12/17/22 17:28	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	12/27/22 21:25	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/14/22 08:05	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/13/22 07:44	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	12/21/22 19:53	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	12/28/22 16:38	NA	
Chloride	300.0	284	mg/L	10	50	12/15/22 06:11	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	835	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/13/22 07:44	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	12/23/22 12:14	12/22/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/19/22 22:54	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	901	mg/L	14	1	12/16/22 08:40	NA	
Sulfate	300.0	65.8	mg/L	2.0	10	12/13/22 07:44	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: PZ-3_121222
Lab Code: R2211828-004

Service Request: R2211828
Date Collected: 12/12/22 13:55
Date Received: 12/12/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	697	mg/L	2.0	1	12/17/22 16:17	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	12/27/22 21:26	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	4.9	mg/L	2.0	1	12/14/22 08:09	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/13/22 07:49	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	15.6	mg/L	1.0	1	12/29/22 03:51	NA	
Chemical Oxygen Demand, Total	410.4	10.1	mg/L	5.0	1	12/28/22 16:38	NA	
Chloride	300.0	21.5	mg/L	2.0	10	12/13/22 07:49	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1190	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/13/22 07:49	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.49	mg/L	0.20	1	12/23/22 12:15	12/22/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/19/22 22:58	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	1510	mg/L	14	1	12/16/22 08:40	NA	
Sulfate	300.0	599	mg/L	40	200	12/15/22 06:17	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-13S_121222
Lab Code: R2211828-005

Service Request: R2211828
Date Collected: 12/12/22 14:20
Date Received: 12/12/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	384	mg/L	2.0	1	12/17/22 16:23	NA	
Ammonia as Nitrogen, undistilled	350.1	0.176	mg/L	0.050	1	12/27/22 21:27	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/14/22 08:08	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/13/22 08:07	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.3	mg/L	1.0	1	12/29/22 04:30	NA	
Chemical Oxygen Demand, Total	410.4	13.8	mg/L	5.0	1	12/28/22 16:38	NA	
Chloride	300.0	32.7	mg/L	2.0	10	12/13/22 08:07	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	390	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/13/22 08:07	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.49	mg/L	0.20	1	12/23/22 12:16	12/22/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/19/22 23:17	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	414	mg/L	10	1	12/16/22 08:40	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	12/13/22 08:07	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-16_121322
Lab Code: R2211828-006

Service Request: R2211828
Date Collected: 12/13/22 09:40
Date Received: 12/14/22 16:15

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	423	mg/L	2.0	1	12/17/22 17:44	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	12/27/22 21:33	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/15/22 08:39	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/15/22 10:30	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	2.2	mg/L	1.0	1	12/21/22 22:14	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	12/28/22 16:38	NA	
Chloride	300.0	2.0 U	mg/L	2.0	10	12/15/22 10:30	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	726	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/15/22 10:30	NA	*
Nitrogen, Total Kjeldahl (TKN)	351.2	0.38	mg/L	0.20	1	12/23/22 12:17	12/22/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/19/22 23:22	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	435	mg/L	10	1	12/19/22 11:00	NA	
Sulfate	300.0	9.4	mg/L	2.0	10	12/15/22 10:30	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22 10:15
Date Received: 12/14/22 16:15

Sample Name: PZ-2_121322
Lab Code: R2211828-007

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	1110	mg/L	6.0	3	12/17/22 17:59	NA	
Ammonia as Nitrogen, undistilled	350.1	2.58	mg/L	0.25	5	12/27/22 21:37	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/15/22 08:27	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/15/22 10:48	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	5.6	mg/L	1.0	1	12/21/22 21:18	NA	
Chemical Oxygen Demand, Total	410.4	23.1	mg/L	5.0	1	12/28/22 16:38	NA	
Chloride	300.0	407	mg/L	20	100	12/15/22 17:55	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1040	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/15/22 10:48	NA	*
Nitrogen, Total Kjeldahl (TKN)	351.2	3.81	mg/L	0.20	1	12/23/22 12:21	12/22/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/19/22 23:34	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	1880	mg/L	14	1	12/19/22 11:00	NA	
Sulfate	300.0	165	mg/L	6.0	30	12/15/22 17:50	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-4S_121322
Lab Code: R2211828-008

Service Request: R2211828
Date Collected: 12/13/22 10:40
Date Received: 12/14/22 16:15

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	588	mg/L	6.0	3	12/17/22 18:06	NA	
Ammonia as Nitrogen, undistilled	350.1	0.087	mg/L	0.050	1	12/27/22 23:22	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/15/22 08:28	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/15/22 10:53	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	9.2	mg/L	1.0	1	12/29/22 04:41	NA	
Chemical Oxygen Demand, Total	410.4	224	mg/L	5.0	1	12/30/22 12:51	NA	
Chloride	300.0	5.6	mg/L	2.0	10	12/15/22 10:53	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1170	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	4.8	mg/L	1.0	10	12/15/22 10:53	NA	*
Nitrogen, Total Kjeldahl (TKN)	351.2	8.19	mg/L	0.20	1	12/23/22 12:22	12/22/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/19/22 23:38	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	786	mg/L	10	1	12/19/22 11:00	NA	
Sulfate	300.0	107	mg/L	4.0	20	12/15/22 18:01	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-4D_121322
Lab Code: R2211828-009

Service Request: R2211828
Date Collected: 12/13/22 11:00
Date Received: 12/14/22 16:15

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	738	mg/L	2.0	1	12/17/22 18:14	NA	
Ammonia as Nitrogen, undistilled	350.1	2.26	mg/L	0.50	10	12/27/22 21:39	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	15.3	mg/L	2.0	1	12/15/22 08:45	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/15/22 10:59	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	21.3	mg/L	1.0	1	12/21/22 21:30	NA	
Chemical Oxygen Demand, Total	410.4	141	mg/L	5.0	1	12/30/22 12:51	NA	
Chloride	300.0	2.7	mg/L	2.0	10	12/15/22 10:59	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	115	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/15/22 10:59	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	4.26	mg/L	0.20	1	12/23/22 12:23	12/22/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/19/22 23:42	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	807	mg/L	10	1	12/19/22 11:00	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	12/15/22 10:59	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-3S_121322
Lab Code: R2211828-010

Service Request: R2211828
Date Collected: 12/13/22 11:40
Date Received: 12/14/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	548	mg/L	2.0	1	12/17/22 18:22	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	12/27/22 21:40	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/15/22 08:44	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/15/22 11:05	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	12/21/22 22:56	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	12/28/22 16:38	NA	
Chloride	300.0	3.9	mg/L	2.0	10	12/15/22 11:05	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	547	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/15/22 11:05	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	12/23/22 12:24	12/22/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/19/22 23:46	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	541	mg/L	10	1	12/19/22 11:00	NA	
Sulfate	300.0	49.9	mg/L	2.0	10	12/15/22 11:05	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-1S_121322
Lab Code: R2211828-011

Service Request: R2211828
Date Collected: 12/13/22 12:20
Date Received: 12/14/22 16:15

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	358	mg/L	2.0	1	12/17/22 18:29	NA	
Ammonia as Nitrogen, undistilled	350.1	0.217	mg/L	0.050	1	12/27/22 21:41	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/15/22 08:29	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/15/22 11:11	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	12/21/22 23:06	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	12/28/22 16:38	NA	
Chloride	300.0	4.8	mg/L	2.0	10	12/15/22 11:11	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	418	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/15/22 11:11	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.98	mg/L	0.20	1	12/23/22 12:25	12/22/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/19/22 23:50	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	404	mg/L	10	1	12/19/22 11:00	NA	
Sulfate	300.0	42.1	mg/L	2.0	10	12/15/22 11:11	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-12D_121322
Lab Code: R2211828-012

Service Request: R2211828
Date Collected: 12/13/22 12:45
Date Received: 12/14/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	260	mg/L	2.0	1	12/17/22 18:49	NA	
Ammonia as Nitrogen, undistilled	350.1	5.36	mg/L	0.50	10	12/27/22 21:42	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	3.6	mg/L	2.0	1	12/15/22 08:30	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/15/22 11:17	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	8.1	mg/L	1.0	1	12/21/22 23:17	NA	
Chemical Oxygen Demand, Total	410.4	20.0	mg/L	5.0	1	12/28/22 16:38	NA	
Chloride	300.0	8.7	mg/L	2.0	10	12/15/22 11:17	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	47.6	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/15/22 11:17	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	5.96	mg/L	0.80	4	12/29/22 14:56	12/28/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/19/22 23:54	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	277	mg/L	10	1	12/19/22 11:00	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	12/15/22 11:17	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22 11:00
Date Received: 12/14/22 16:15

Sample Name: MW-12M_121322
Lab Code: R2211828-013

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	393	mg/L	2.0	1	12/17/22 18:57	NA	
Ammonia as Nitrogen, undistilled	350.1	0.661	mg/L	0.050	1	12/27/22 21:46	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/15/22 08:11	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/15/22 09:21	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.1	mg/L	1.0	1	12/21/22 23:27	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	12/28/22 16:38	NA	
Chloride	300.0	2.8	mg/L	2.0	10	12/15/22 09:21	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	362	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/15/22 09:21	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.92	mg/L	0.20	1	12/29/22 14:57	12/28/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/20/22 00:13	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	404	mg/L	10	1	12/19/22 11:00	NA	
Sulfate	300.0	13.3	mg/L	2.0	10	12/15/22 09:21	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: PW-10_121322
Lab Code: R2211828-014

Service Request: R2211828
Date Collected: 12/13/22 11:50
Date Received: 12/14/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	392	mg/L	2.0	1	12/17/22 19:04	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	12/27/22 21:49	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/15/22 08:12	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/15/22 09:27	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	2.6	mg/L	1.0	1	12/21/22 23:38	NA	
Chemical Oxygen Demand, Total	410.4	5.6	mg/L	5.0	1	12/28/22 16:38	NA	
Chloride	300.0	23.7	mg/L	2.0	10	12/15/22 09:27	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	386	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.1	mg/L	1.0	10	12/15/22 09:27	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.52	mg/L	0.20	1	12/29/22 14:58	12/28/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/20/22 00:26	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	422	mg/L	10	1	12/19/22 11:00	NA	
Sulfate	300.0	5.9	mg/L	2.0	10	12/15/22 09:27	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22 11:50
Date Received: 12/14/22 16:15

Sample Name: PW-10DUP_121322
Lab Code: R2211828-015

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	392	mg/L	2.0	1	12/17/22 19:11	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	12/27/22 21:50	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/15/22 08:17	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/15/22 09:33	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	2.7	mg/L	1.0	1	12/21/22 23:48	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	12/28/22 16:38	NA	
Chloride	300.0	24.1	mg/L	2.0	10	12/15/22 09:33	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	390	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.1	mg/L	1.0	10	12/15/22 09:33	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.79	mg/L	0.20	1	12/29/22 14:59	12/28/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/20/22 00:30	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	418	mg/L	10	1	12/19/22 11:00	NA	
Sulfate	300.0	6.1	mg/L	2.0	10	12/15/22 09:33	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: PW-5_121322
Lab Code: R2211828-016

Service Request: R2211828
Date Collected: 12/13/22 12:40
Date Received: 12/14/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	530	mg/L	2.0	1	12/17/22 19:19	NA	
Ammonia as Nitrogen, undistilled	350.1	1.85	mg/L	0.25	5	12/27/22 23:23	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/15/22 08:10	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/15/22 09:39	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	2.1	mg/L	1.0	1	12/21/22 23:59	NA	
Chemical Oxygen Demand, Total	410.4	5.2	mg/L	5.0	1	12/28/22 16:38	NA	
Chloride	300.0	4.7	mg/L	2.0	10	12/15/22 09:39	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	498	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/15/22 09:39	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	2.38	mg/L	0.20	1	12/29/22 15:00	12/28/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/20/22 00:34	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	524	mg/L	10	1	12/19/22 11:00	NA	
Sulfate	300.0	8.5	mg/L	2.0	10	12/15/22 09:39	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: PW-1_121322
Lab Code: R2211828-017

Service Request: R2211828
Date Collected: 12/13/22 13:20
Date Received: 12/14/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	651	mg/L	2.0	1	12/17/22 19:28	NA	
Ammonia as Nitrogen, undistilled	350.1	1.45	mg/L	0.25	5	12/27/22 21:52	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.3	mg/L	2.0	1	12/15/22 08:09	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/15/22 09:44	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	8.7	mg/L	1.0	1	12/22/22 00:45	NA	
Chemical Oxygen Demand, Total	410.4	27.7	mg/L	5.0	1	12/28/22 16:38	NA	
Chloride	300.0	89.3	mg/L	2.0	10	12/15/22 09:44	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	630	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/15/22 09:44	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	2.06	mg/L	0.20	1	12/29/22 15:01	12/28/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/20/22 00:42	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	779	mg/L	11	1	12/19/22 11:00	NA	
Sulfate	300.0	5.3	mg/L	2.0	10	12/15/22 09:44	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22 13:50
Date Received: 12/14/22 16:15

Sample Name: Upstream_121322
Lab Code: R2211828-018

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	462	mg/L	2.0	1	12/17/22 19:35	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	12/27/22 21:54	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/15/22 08:19	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/15/22 09:50	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	5.0	mg/L	1.0	1	12/22/22 00:56	NA	
Chemical Oxygen Demand, Total	410.4	14.8	mg/L	5.0	1	12/28/22 16:38	NA	
Chloride	300.0	45.4	mg/L	2.0	10	12/15/22 09:50	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	488	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/15/22 09:50	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.39	mg/L	0.20	1	12/29/22 15:01	12/28/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/20/22 00:46	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	557	mg/L	10	1	12/19/22 11:00	NA	
Sulfate	300.0	28.1	mg/L	2.0	10	12/15/22 09:50	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22 14:15
Date Received: 12/14/22 16:15

Sample Name: Downstream_121322
Lab Code: R2211828-019

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	391	mg/L	2.0	1	12/17/22 19:43	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	12/27/22 21:55	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/15/22 08:14	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/15/22 10:07	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	4.3	mg/L	1.0	1	12/22/22 01:07	NA	
Chemical Oxygen Demand, Total	410.4	13.8	mg/L	5.0	1	12/28/22 16:38	NA	
Chloride	300.0	26.6	mg/L	2.0	10	12/15/22 10:07	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	376	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/15/22 10:07	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	12/29/22 15:04	12/28/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/20/22 00:50	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	467	mg/L	10	1	12/19/22 11:00	NA	
Sulfate	300.0	27.7	mg/L	2.0	10	12/15/22 10:07	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-5S_121322
Lab Code: R2211828-020

Service Request: R2211828
Date Collected: 12/13/22 14:35
Date Received: 12/14/22 16:15
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	730	mg/L	20	10	12/18/22 10:05	NA	
Ammonia as Nitrogen, undistilled	350.1	2.88	mg/L	0.25	5	12/27/22 21:56	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	7.9	mg/L	2.0	1	12/15/22 08:18	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/15/22 10:25	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	32.3	mg/L	1.0	1	12/22/22 01:18	NA	
Chemical Oxygen Demand, Total	410.4	87.5	mg/L	5.0	1	12/28/22 16:38	NA	
Chloride	300.0	45.5	mg/L	2.0	10	12/15/22 10:25	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	587	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/15/22 10:25	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	4.38	mg/L	0.20	1	12/29/22 15:05	12/28/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/20/22 01:09	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	826	mg/L	11	1	12/19/22 11:00	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	12/15/22 10:25	NA	



Field Data

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1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-8D_121222
Lab Code: R2211828-001

Service Request: R2211828
Date Collected: 12/12/22 10:05
Date Received: 12/12/22 16:15
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	848	uMHOS/cm	-	1	12/12/22 10:05	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-115	mV	-	1	12/12/22 10:05	
Oxygen, Dissolved	SM 4500-O G	1.33	mg/L	0.20	1	12/12/22 10:05	
pH, Field	SM 4500-H+ B	7.04	pH Units	-	1	12/12/22 10:05	
Temperature, Field	SM 2550 B	10.2	deg C	-	1	12/12/22 10:05	
Turbidity, Field	180.1	3.2	NTU	-	1	12/12/22 10:05	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-15_121222
Lab Code: R2211828-002

Service Request: R2211828
Date Collected: 12/12/22 11:15
Date Received: 12/12/22 16:15
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	943	uMHOS/cm	-	1	12/12/22 11:15	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-77.0	mV	-	1	12/12/22 11:15	
Oxygen, Dissolved	SM 4500-O G	0.29	mg/L	0.20	1	12/12/22 11:15	
pH, Field	SM 4500-H+ B	6.81	pH Units	-	1	12/12/22 11:15	
Temperature, Field	SM 2550 B	11.2	deg C	-	1	12/12/22 11:15	
Turbidity, Field	180.1	3.6	NTU	-	1	12/12/22 11:15	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-17_121222
Lab Code: R2211828-003

Service Request: R2211828
Date Collected: 12/12/22 13:15
Date Received: 12/12/22 16:15
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1655	uMHOS/cm	-	1	12/12/22 13:15	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	122	mV	-	1	12/12/22 13:15	
Oxygen, Dissolved	SM 4500-O G	4.61	mg/L	0.20	1	12/12/22 13:15	
pH, Field	SM 4500-H+ B	7.21	pH Units	-	1	12/12/22 13:15	
Temperature, Field	SM 2550 B	10.1	deg C	-	1	12/12/22 13:15	
Turbidity, Field	180.1	1.6	NTU	-	1	12/12/22 13:15	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: PZ-3_121222
Lab Code: R2211828-004

Service Request: R2211828
Date Collected: 12/12/22 13:55
Date Received: 12/12/22 16:15
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1626	uMHOS/cm	-	1	12/12/22 13:55	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	167	mV	-	1	12/12/22 13:55	
Oxygen, Dissolved	SM 4500-O G	8.34	mg/L	0.20	1	12/12/22 13:55	
pH, Field	SM 4500-H+ B	7.05	pH Units	-	1	12/12/22 13:55	
Temperature, Field	SM 2550 B	10.3	deg C	-	1	12/12/22 13:55	
Turbidity, Field	180.1	1.2	NTU	-	1	12/12/22 13:55	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-13S_121222
Lab Code: R2211828-005

Service Request: R2211828
Date Collected: 12/12/22 14:20
Date Received: 12/12/22 16:15

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	743	uMHOS/cm	-	1	12/12/22 14:20	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	120	mV	-	1	12/12/22 14:20	
Oxygen, Dissolved	SM 4500-O G	3.22	mg/L	0.20	1	12/12/22 14:20	
pH, Field	SM 4500-H+ B	7.31	pH Units	-	1	12/12/22 14:20	
Temperature, Field	SM 2550 B	9.40	deg C	-	1	12/12/22 14:20	
Turbidity, Field	180.1	7.8	NTU	-	1	12/12/22 14:20	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22 09:40
Date Received: 12/14/22 16:15

Sample Name: MW-16_121322
Lab Code: R2211828-006

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	742	uMHOS/cm	-	1	12/13/22 09:40	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	143	mV	-	1	12/13/22 09:40	
pH, Field	SM 4500-H+ B	7.03	pH Units	-	1	12/13/22 09:40	
Temperature, Field	SM 2550 B	11.7	deg C	-	1	12/13/22 09:40	
Turbidity, Field	180.1	9.2	NTU	-	1	12/13/22 09:40	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: PZ-2_121322
Lab Code: R2211828-007

Service Request: R2211828
Date Collected: 12/13/22 10:15
Date Received: 12/14/22 16:15
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	3146	uMHOS/cm	-	1	12/13/22 10:15	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-39.0	mV	-	1	12/13/22 10:15	
pH, Field	SM 4500-H+ B	6.71	pH Units	-	1	12/13/22 10:15	
Temperature, Field	SM 2550 B	10.2	deg C	-	1	12/13/22 10:15	
Turbidity, Field	180.1	9.7	NTU	-	1	12/13/22 10:15	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22 10:40
Date Received: 12/14/22 16:15

Sample Name: MW-4S_121322
Lab Code: R2211828-008

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1225	uMHOS/cm	-	1	12/13/22 10:40	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	42.0	mV	-	1	12/13/22 10:40	
pH, Field	SM 4500-H+ B	6.53	pH Units	-	1	12/13/22 10:40	
Temperature, Field	SM 2550 B	10.5	deg C	-	1	12/13/22 10:40	
Turbidity, Field	180.1	13.4	NTU	-	1	12/13/22 10:40	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22 11:00
Date Received: 12/14/22 16:15

Sample Name: MW-4D_121322
Lab Code: R2211828-009

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1213	uMHOS/cm	-	1	12/13/22 11:00	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	42.0	mV	-	1	12/13/22 11:00	
pH, Field	SM 4500-H+ B	7.20	pH Units	-	1	12/13/22 11:00	
Temperature, Field	SM 2550 B	10.3	deg C	-	1	12/13/22 11:00	
Turbidity, Field	180.1	27.6	NTU	-	1	12/13/22 11:00	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22 11:40
Date Received: 12/14/22 16:15

Sample Name: MW-3S_121322
Lab Code: R2211828-010

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	973	uMHOS/cm	-	1	12/13/22 11:40	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	119	mV	-	1	12/13/22 11:40	
pH, Field	SM 4500-H+ B	7.02	pH Units	-	1	12/13/22 11:40	
Temperature, Field	SM 2550 B	10.5	deg C	-	1	12/13/22 11:40	
Turbidity, Field	180.1	4.3	NTU	-	1	12/13/22 11:40	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-1S_121322
Lab Code: R2211828-011

Service Request: R2211828
Date Collected: 12/13/22 12:20
Date Received: 12/14/22 16:15
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	704	uMHOS/cm	-	1	12/13/22 12:20	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	160	mV	-	1	12/13/22 12:20	
pH, Field	SM 4500-H+ B	7.14	pH Units	-	1	12/13/22 12:20	
Temperature, Field	SM 2550 B	10.7	deg C	-	1	12/13/22 12:20	
Turbidity, Field	180.1	36.5	NTU	-	1	12/13/22 12:20	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22 12:45
Date Received: 12/14/22 16:15

Sample Name: MW-12D_121322
Lab Code: R2211828-012

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	962	uMHOS/cm	-	1	12/13/22 12:45	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	106	mV	-	1	12/13/22 12:45	
pH, Field	SM 4500-H+ B	11.59	pH Units	-	1	12/13/22 12:45	
Temperature, Field	SM 2550 B	10.1	deg C	-	1	12/13/22 12:45	
Turbidity, Field	180.1	9.5	NTU	-	1	12/13/22 12:45	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22 11:00
Date Received: 12/14/22 16:15

Sample Name: MW-12M_121322
Lab Code: R2211828-013

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	687	uMHOS/cm	-	1	12/13/22 11:00	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-90.0	mV	-	1	12/13/22 11:00	
Oxygen, Dissolved	SM 4500-O G	0.79	mg/L	0.20	1	12/13/22 11:00	
pH, Field	SM 4500-H+ B	7.43	pH Units	-	1	12/13/22 11:00	
Temperature, Field	SM 2550 B	9.70	deg C	-	1	12/13/22 11:00	
Turbidity, Field	180.1	1.4	NTU	-	1	12/13/22 11:00	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: PW-10_121322
Lab Code: R2211828-014

Service Request: R2211828
Date Collected: 12/13/22 11:50
Date Received: 12/14/22 16:15
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	762	uMHOS/cm	-	1	12/13/22 11:50	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	80.0	mV	-	1	12/13/22 11:50	
Oxygen, Dissolved	SM 4500-O G	7.88	mg/L	0.20	1	12/13/22 11:50	
pH, Field	SM 4500-H+ B	7.22	pH Units	-	1	12/13/22 11:50	
Temperature, Field	SM 2550 B	9.30	deg C	-	1	12/13/22 11:50	
Turbidity, Field	180.1	1.5	NTU	-	1	12/13/22 11:50	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: PW-10DUP_121322
Lab Code: R2211828-015

Service Request: R2211828
Date Collected: 12/13/22 11:50
Date Received: 12/14/22 16:15
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	763	uMHOS/cm	-	1	12/13/22 11:50	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	68.0	mV	-	1	12/13/22 11:50	
Oxygen, Dissolved	SM 4500-O G	7.77	mg/L	0.20	1	12/13/22 11:50	
pH, Field	SM 4500-H+ B	7.23	pH Units	-	1	12/13/22 11:50	
Temperature, Field	SM 2550 B	9.10	deg C	-	1	12/13/22 11:50	
Turbidity, Field	180.1	1.9	NTU	-	1	12/13/22 11:50	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22 12:40
Date Received: 12/14/22 16:15

Sample Name: PW-5_121322
Lab Code: R2211828-016

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	916	uMHOS/cm	-	1	12/13/22 12:40	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	12.0	mV	-	1	12/13/22 12:40	
Oxygen, Dissolved	SM 4500-O G	0.64	mg/L	0.20	1	12/13/22 12:40	
pH, Field	SM 4500-H+ B	6.64	pH Units	-	1	12/13/22 12:40	
Temperature, Field	SM 2550 B	9.20	deg C	-	1	12/13/22 12:40	
Turbidity, Field	180.1	5.7	NTU	-	1	12/13/22 12:40	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22 13:20
Date Received: 12/14/22 16:15

Sample Name: PW-1_121322
Lab Code: R2211828-017

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1410	uMHOS/cm	-	1	12/13/22 13:20	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-23.0	mV	-	1	12/13/22 13:20	
Oxygen, Dissolved	SM 4500-O G	1.77	mg/L	0.20	1	12/13/22 13:20	
pH, Field	SM 4500-H+ B	6.93	pH Units	-	1	12/13/22 13:20	
Temperature, Field	SM 2550 B	10.3	deg C	-	1	12/13/22 13:20	
Turbidity, Field	180.1	3.6	NTU	-	1	12/13/22 13:20	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: Upstream_121322
Lab Code: R2211828-018

Service Request: R2211828
Date Collected: 12/13/22 13:50
Date Received: 12/14/22 16:15
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	954	uMHOS/cm	-	1	12/13/22 13:50	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	195	mV	-	1	12/13/22 13:50	
pH, Field	SM 4500-H+ B	7.59	pH Units	-	1	12/13/22 13:50	
Temperature, Field	SM 2550 B	3.40	deg C	-	1	12/13/22 13:50	
Turbidity, Field	180.1	2	NTU	-	1	12/13/22 13:50	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22 14:15
Date Received: 12/14/22 16:15

Sample Name: Downstream_121322
Lab Code: R2211828-019

Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	790	uMHOS/cm	-	1	12/13/22 14:15	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	204	mV	-	1	12/13/22 14:15	
pH, Field	SM 4500-H+ B	8.01	pH Units	-	1	12/13/22 14:15	
Temperature, Field	SM 2550 B	1.90	deg C	-	1	12/13/22 14:15	
Turbidity, Field	180.1	1.4	NTU	-	1	12/13/22 14:15	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: MW-5S_121322
Lab Code: R2211828-020

Service Request: R2211828
Date Collected: 12/13/22 14:35
Date Received: 12/14/22 16:15
Basis: NA

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	1400	uMHOS/cm	-	1	12/13/22 14:35	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	-93.0	mV	-	1	12/13/22 14:35	
Oxygen, Dissolved	SM 4500-O G	0.73	mg/L	0.20	1	12/13/22 14:35	
pH, Field	SM 4500-H+ B	7.02	pH Units	-	1	12/13/22 14:35	
Temperature, Field	SM 2550 B	10.9	deg C	-	1	12/13/22 14:35	
Turbidity, Field	180.1	15.1	NTU	-	1	12/13/22 14:35	



QC Summary Forms

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Metals

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2211828-MB

Service Request: R2211828
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:02	12/19/22	
Calcium, Total	6010C	1000 U	ug/L	1000	1	12/20/22 22:02	12/19/22	
Iron, Total	6010C	100 U	ug/L	100	1	12/20/22 22:02	12/19/22	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/22 22:02	12/19/22	
Magnesium, Total	6010C	1000 U	ug/L	1000	1	12/20/22 22:02	12/19/22	
Manganese, Total	6010C	10 U	ug/L	10	1	12/20/22 22:02	12/19/22	
Potassium, Total	6010C	2000 U	ug/L	2000	1	12/20/22 22:02	12/19/22	
Sodium, Total	6010C	1000 U	ug/L	1000	1	12/20/22 22:02	12/19/22	

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request:R2211828
Date Collected:12/13/22
Date Received:12/14/22
Date Analyzed:12/20/22

**Duplicate Matrix Spike Summary
Inorganic Parameters**

Sample Name: MW-16_121322
Lab Code: R2211828-006

Units:ug/L
Basis:NA

Analyte Name	Method	Sample Result	Result	Matrix Spike R2211828-006MS		Duplicate Matrix Spike R2211828-006DMS		% Rec	Limits	RPD	RPD Limit
				Spike Amount	% Rec	Result	Spike Amount				
Cadmium, Total	6010C	5.0 U	49.9	50.0	100	50.0	50.0	100	75-125	<1	20
Calcium, Total	6010C	188000	189000	2000	33 #	190000	2000	103 #	75-125	<1	20
Iron, Total	6010C	44100	44500	1000	40 #	44600	1000	49 #	75-125	<1	20
Lead, Total	6010C	21.5	517	500	99	520	500	100	75-125	<1	20
Magnesium, Total	6010C	62200	63800	2000	79 #	64100	2000	94 #	75-125	<1	20
Manganese, Total	6010C	1040	1530	500	98	1540	500	100	75-125	<1	20
Potassium, Total	6010C	12600	31300	20000	93	31800	20000	96	75-125	2	20
Sodium, Total	6010C	9100	29400	20000	102	29600	20000	103	75-125	<1	20

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828

Date Analyzed: 12/20/22

Lab Control Sample Summary
Inorganic Parameters

Units:ug/L

Basis:NA

Lab Control Sample
R2211828-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Cadmium, Total	6010C	49.9	50.0	100	80-120
Calcium, Total	6010C	2000	2000	98	80-120
Iron, Total	6010C	980	1000	98	80-120
Lead, Total	6010C	501	500	100	80-120
Magnesium, Total	6010C	1900	2000	97	80-120
Manganese, Total	6010C	494	500	99	80-120
Potassium, Total	6010C	18000	20000	90	80-120
Sodium, Total	6010C	19700	20000	98	80-120



General Chemistry

ALS Environmental—Rochester Laboratory
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2211828-MB1

Service Request: R2211828
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	12/17/22 13:06	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	12/27/22 20:51	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/14/22 14:04	NA	
Bromide	300.0	0.10 U	mg/L	0.10	1	12/13/22 06:29	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	12/21/22 14:00	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	12/28/22 16:38	NA	
Chloride	300.0	0.20 U	mg/L	0.20	1	12/13/22 06:29	NA	
Nitrate as Nitrogen	300.0	0.10 U	mg/L	0.10	1	12/13/22 06:29	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	12/23/22 12:06	12/22/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/19/22 22:10	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10 U	mg/L	10	1	12/16/22 08:40	NA	
Sulfate	300.0	0.20 U	mg/L	0.20	1	12/13/22 06:29	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2211828-MB2

Service Request: R2211828
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	12/17/22 17:14	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	12/27/22 21:31	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/15/22 13:59	NA	
Bromide	300.0	0.10 U	mg/L	0.10	1	12/15/22 09:10	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	12/21/22 19:15	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	12/30/22 12:51	NA	
Chloride	300.0	0.20 U	mg/L	0.20	1	12/15/22 04:16	NA	
Nitrate as Nitrogen	300.0	0.10 U	mg/L	0.10	1	12/15/22 09:10	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	12/29/22 14:49	12/28/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/20/22 00:02	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10 U	mg/L	10	1	12/19/22 11:00	NA	
Sulfate	300.0	0.20 U	mg/L	0.20	1	12/15/22 04:16	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2211828-MB3

Service Request: R2211828
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	12/18/22 06:40	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	12/29/22 00:04	
Chloride	300.0	0.20 U	mg/L	0.20	1	12/15/22 09:10	
Sulfate	300.0	0.20 U	mg/L	0.20	1	12/15/22 09:10	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2211828-MB4

Service Request: R2211828
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	0.20 U	mg/L	0.20	1	12/15/22 17:38	
Sulfate	300.0	0.20 U	mg/L	0.20	1	12/15/22 17:38	

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/12/22
Date Received: 12/12/22
Date Analyzed: 12/21/22

Duplicate Matrix Spike Summary
Carbon, Total Organic (TOC)

Sample Name: MW-17_121222
Lab Code: R2211828-003
Analysis Method: SM 5310 B-2014

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike R2211828-003MS			Duplicate Matrix Spike R2211828-003DMS			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Carbon, Total Organic (TOC)	1.0 U	26.3	25.0	105	26.3	25.0	105	48-135	<1	20

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Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/12/22
Date Received: 12/12/22
Date Analyzed: 12/13/22 - 12/29/22

**Duplicate Matrix Spike Summary
General Chemistry Parameters**

Sample Name: PZ-3_121222
Lab Code: R2211828-004

Units: mg/L
Basis: NA

Matrix Spike
R2211828-004MS

Duplicate Matrix Spike
R2211828-004DMS

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Bromide	300.0	1.0 U	9.2	10.0	92	9.1	10.0	91	90-110	2	20
Chloride	300.0	21.5	39.9	20.0	92	38.7	20.0	86 *	90-110	3	20
Nitrate as Nitrogen	300.0	1.0 U	9.0	10.0	90	8.8	10.0	88 *	90-110	2	20
Carbon, Total Organic (TOC)	SM 5310 B-2014	15.6	45.5	25.0	120	41.6	25.0	104	48-135	9	20

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/12/22
Date Received: 12/12/22
Date Analyzed: 12/27/22

Duplicate Matrix Spike Summary
Ammonia as Nitrogen, undistilled

Sample Name: MW-13S_121222
Lab Code: R2211828-005
Analysis Method: 350.1

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike R2211828-005MS			Duplicate Matrix Spike R2211828-005DMS			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Ammonia as Nitrogen, undistilled	0.176	0.380	0.250	82 *	0.380	0.250	81 *	90-110	<1	20

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22
Date Received: 12/14/22
Date Analyzed: 12/15/22 - 12/28/22

**Duplicate Matrix Spike Summary
General Chemistry Parameters**

Sample Name: MW-16_121322
Lab Code: R2211828-006

Units: mg/L
Basis: NA

Matrix Spike
R2211828-006MS

Duplicate Matrix Spike
R2211828-006DMS

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Ammonia as Nitrogen, undistilled	350.1	0.050 U	0.251	0.250	101	0.251	0.250	100	90-110	<1	20
Bromide	300.0	1.0 U	10.1	10.0	101	9.0	10.0	90	90-110	11	20
Chloride	300.0	2.0 U	19.1	20.0	96	19.2	20.0	96	90-110	<1	20
Chemical Oxygen Demand, Total	410.4	5.0 U	30.4	25.0	122 *	30.7	25.0	123 *	90-110	<1	20
Nitrate as Nitrogen	300.0	1.0 U	9.8	10.0	98	9.3	10.0	93	90-110	6	20
Phenolics, Total Recoverable	9066	0.0050 U	0.0422	0.0400	106	0.0431	0.0400	108	49-137	2	20
Sulfate	300.0	9.4	28.3	20.0	94	27.2	20.0	89 *	90-110	4	20
Nitrogen, Total Kjeldahl (TKN)	351.2	0.38	3.20	2.50	113 *	3.26	2.50	115 *	90-110	2	20
Carbon, Total Organic (TOC)	SM 5310 B-2014	2.2	27.0	25.0	99	26.9	25.0	99	48-135	<1	20

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22
Date Received: 12/14/22
Date Analyzed: 12/20/22 - 12/27/22

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-12M_121322 **Units:** mg/L
Lab Code: R2211828-013 **Basis:** NA

Matrix Spike
R2211828-013MS

Duplicate Matrix Spike
R2211828-013DMS

Analyte Name	Method	Sample		Spike		Duplicate Matrix Spike		% Rec Limits	RPD	RPD Limit	
		Result	Result	Amount	% Rec	Result	Amount				% Rec
Ammonia as Nitrogen, undistilled	350.1	0.661	0.836	0.250	70 *	0.844	0.250	73 *	90-110	<1	20
Phenolics, Total Recoverable	9066	0.0050 U	0.0406	0.0400	102	0.0394	0.0400	99	49-137	3	20

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22
Date Received: 12/14/22
Date Analyzed: 12/28/22

**Duplicate Matrix Spike Summary
Chemical Oxygen Demand, Total**

Sample Name: PW-5_121322
Lab Code: R2211828-016
Analysis Method: 410.4

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike R2211828-016MS			Duplicate Matrix Spike R2211828-016DMS			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Chemical Oxygen Demand, Total	5.2	31.6	25.0	106	31.0	25.0	103	90-110	2	20

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request:R2211828
Date Collected:12/13/22
Date Received:12/14/22
Date Analyzed:12/15/22

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: Upstream_121322
Lab Code: R2211828-018

Units:mg/L
Basis:NA

Analyte Name	Method	Sample Result	Result	Matrix Spike R2211828-018MS			Duplicate Matrix Spike R2211828-018DMS			RPD	RPD Limit
				Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
Bromide	300.0	1.0 U	9.0	10.0	90	8.9	10.0	89 *	90-110	1	20
Chloride	300.0	45.4	62.0	20.0	83 *	61.4	20.0	80 *	90-110	1	20
Nitrate as Nitrogen	300.0	1.0 U	9.1	10.0	91	9.0	10.0	90	90-110	1	20
Sulfate	300.0	28.1	45.7	20.0	88 *	45.3	20.0	86 *	90-110	<1	20

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22
Date Received: 12/14/22
Date Analyzed: 12/20/22 - 12/29/22

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-5S_121322 **Units:** mg/L
Lab Code: R2211828-020 **Basis:** NA

Matrix Spike
R2211828-020MS

Duplicate Matrix Spike
R2211828-020DMS

Analyte Name	Method	Sample Result	Matrix Spike			Duplicate Matrix Spike			% Rec Limits	RPD	RPD Limit
			Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Phenolics, Total Recoverable	9066	0.0050 U	0.0382	0.0400	95	0.0391	0.0400	98	49-137	2	20
Nitrogen, Total Kjeldahl (TKN)	351.2	4.38	6.90	2.50	101	6.83	2.50	98	90-110	1	20

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/12/22
Date Received: 12/12/22
Date Analyzed: 12/16/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: PZ-3_121222
Lab Code: R2211828-004

Units: mg/L
Basis: NA

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>Sample Result</u>	<u>Duplicate Sample R2211828-004DUP Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
Solids, Total Dissolved (TDS)	SM 2540 C-2015	14	1510	1510	1510	<1	10

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22
Date Received: 12/14/22
Date Analyzed: 12/15/22 - 12/19/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-16_121322
Lab Code: R2211828-006

Units: mg/L
Basis: NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2211828-006DUP Result	Average	RPD	RPD Limit
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0	423	425	424	<1	20
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	2.0 U	2.0 U	NC	NC	20
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10	435	439	437	<1	10

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Collected: 12/13/22
Date Received: 12/14/22
Date Analyzed: 12/18/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-5S_121322
Lab Code: R2211828-020

Units: mg/L
Basis: NA

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>Sample Result</u>	<u>Duplicate Sample R2211828-020DUP Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	20	730	756	743	3	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Analyzed: 12/13/22 - 12/28/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2211828-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	20.0	20.0	100	80-120
Ammonia as Nitrogen, undistilled	350.1	0.250	0.250	100	90-110
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	174	198	88	85-115
Bromide	300.0	0.93	1.00	93	90-110
Carbon, Total Organic (TOC)	SM 5310 B-2014	24.4	25.0	98	80-121
Chemical Oxygen Demand, Total	410.4	49.6	50.0	99	90-110
Chloride	300.0	1.83	2.00	92	90-110
Nitrate as Nitrogen	300.0	0.92	1.00	92	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.71	2.50	108	90-110
Phenolics, Total Recoverable	9066	0.0388	0.0400	97	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-2015	908	914	99	90-110
Sulfate	300.0	1.86	2.00	93	90-110

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Analyzed: 12/15/22 - 12/30/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2211828-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	22.0	20.0	110	80-120
Ammonia as Nitrogen, undistilled	350.1	0.255	0.250	102	90-110
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	180	198	91	85-115
Bromide	300.0	0.92	1.00	92	90-110
Carbon, Total Organic (TOC)	SM 5310 B-2014	24.2	25.0	97	80-121
Chemical Oxygen Demand, Total	410.4	520	500	104	90-110
Chloride	300.0	1.85	2.00	93	90-110
Nitrate as Nitrogen	300.0	0.92	1.00	92	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.24	2.50	90	90-110
Phenolics, Total Recoverable	9066	0.0395	0.0400	99	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-2015	914	914	100	90-110
Sulfate	300.0	1.87	2.00	94	90-110

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Analyzed: 12/15/22 - 12/29/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2211828-LCS3

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	20.5	20.0	102	80-120
Carbon, Total Organic (TOC)	SM 5310 B-2014	28.6	25.0	114	80-121
Chloride	300.0	1.81	2.00	90	90-110
Sulfate	300.0	1.83	2.00	92	90-110

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Routine
Sample Matrix: Water

Service Request: R2211828
Date Analyzed: 12/15/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2211828-LCS4

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	1.82	2.00	91	90-110
Sulfate	300.0	1.84	2.00	92	90-110



January 12, 2023

Service Request No:R2211927

Mr. Darik Jordan
Barton & Loguidice, PC
11 Centre Park
Suite 203
Rochester, NY 14614

Laboratory Results for: Torrey Landfill

Dear Mr.Jordan,

Enclosed are the results of the sample(s) submitted to our laboratory December 14, 2022
For your reference, these analyses have been assigned our service request number **R2211927**.

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7576. You may also contact me via email at Nicole.Mansen@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Nicole Mansen
Project Manager

ADDRESS

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

PHONE +1 585 288 5380 | **FAX** +1 585 288 8475

ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com



Client: Barton & Loguidice, DPC
Project: Torrey Landfill
Sample Matrix: Water

Service Request: R2211927
Date Received: 12/14/2022

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Eight water samples were received for analysis at ALS Environmental on 12/14/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

One or more samples were subcontracted to another laboratory for testing. The certified analytical report from the subcontractor has been included in its entirety at the end of this report and includes the name and address of the subcontracted laboratory.

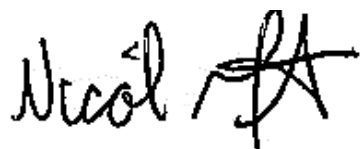
Sampling was performed by ALS personnel in accordance with ALS Field Sampling SOPs or by client specifications.

Semivolatiles by GC/MS:

No significant anomalies were noted with this analysis.

Subcontracted Analytical Parameters:

No significant anomalies were noted with this analysis.

Approved by 

Date 01/12/2023



Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants

Service Request:R2211927

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R2211927-001	MW-16	12/13/2022	0940
R2211927-002	MW-4D	12/13/2022	1100
R2211927-003	MW-3S	12/13/2022	1140
R2211927-004	Equipment Blank #1	12/13/2022	1145
R2211927-005	Equipment Blank #2	12/14/2022	0920
R2211927-006	MW-13S	12/14/2022	0925
R2211927-007	MW-13S DUP	12/14/2022	0925
R2211927-008	MW-8D	12/14/2022	1005



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

065469

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name Torrey Landfill EC Sampling		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																			
Project Manager Darik Jordan		Report CC		PRESERVATIVE																			
Company/Address Barton and Loguidice		Phone # 585-325-7190		Email		NUMBER OF CONTAINERS GC/MS VOA's • 8280 • 8274 • CLP GC/MS SVOA's • 8270 • 825 GC VOA's • 8021 • 801/802 PESTICIDES • 8081 • 808 PCBs • 8082 • 808 METALS TOTAL (List in comments below) METALS DISSOLVED (List in comments below) PFAS 1,4 DIOXANE																	
Sampler's Signature 		Sampler's Printed Name Quinten Kolbeck		Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____ REMARKS/ ALTERNATE DESCRIPTION																			
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	TIME	MATRIX																			
MW-16 QC		12/13/2022	0940	W	6									X	X						31 + 32 QC		
MW-4D			1100	W	3									X	X						33		
MW-3s			1140	W	3									X	X						34		
Equipment Blank #1			1145	W	3									X	X						36		
PW-8			NO SAMPLE			INADEQUATE RECHARGE																	
Equipment Blank #2		12/14/2022	0920	W	3									X	X						35		
MW-13s			0925	W	3									X	X						37		
MW-13s Dup			0925	W	3									X	X						38		
MW-8D			1005	W	3									X	X						39		
SPECIAL INSTRUCTIONS/COMMENTS Metals						TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day Standard (10 business days-No Surcharge) REQUESTED REPORT DATE						REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata Yes No						INVOICE INFORMATION PO # BILL TO:					
STATE WHERE SAMPLES WERE COLLECTED						RELINQUISHED BY						RECEIVED BY											
Signature		Signature		Signature		Signature		Signature		Signature		Signature		Signature		Signature		Signature		Signature			
Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name			
Firm		Firm		Firm		Firm		Firm		Firm		Firm		Firm		Firm		Firm		Firm			
Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time			

R2211927 **5**
 Barton & Loguidice, PC
 Torrey Landfill



Cooler Receipt and Preservation Check For

R2211927

5

Barton & Loguidice, PC
Torrey Landfill



Project/Client Barton + Loguidice Folder Number _____

Cooler received on 12/14/22 by: SES COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y <input checked="" type="radio"/> N <input type="radio"/>	5a	Perchlorate samples have required headspace?	Y <input type="radio"/> N <input checked="" type="radio"/> NA <input type="radio"/>
2	Custody papers properly completed (ink, signed)?	Y <input checked="" type="radio"/> N <input type="radio"/>	5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y <input type="radio"/> N <input checked="" type="radio"/> NA <input type="radio"/>
3	Did all bottles arrive in good condition (unbroken)?	Y <input checked="" type="radio"/> N <input type="radio"/>	6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	Y <input checked="" type="radio"/> N <input type="radio"/>	7	Soil VOA received as:	Bulk Encore 5035set <u>NA</u>

8. Temperature Readings Date: 12/14/22 Time: 1645 ID: IR#7 IR#11 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>0.2</u>	<u>0.1</u>	<u>2.4</u>	<u>1.1</u>	<u>0.0</u>	<u>1.7</u>	<u>0.9</u>	<u>0.2</u>
Within 0-6°C?	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input checked="" type="radio"/> N <input type="radio"/>
If <0°C, were samples frozen?	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by SES on 12/14/22 at _____
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 12/15/22 Time: 08107 by: RE

- 9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
- 10. Did all bottle labels and tags agree with custody papers? YES NO
- 11. Were correct containers used for the tests indicated? YES NO
- 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
- 13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp.	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
9		HNO ₃								
9		H ₂ SO ₄								
4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: D90522-1GT
Explain all Discrepancies/ Other Comments: _____

HPRD	BULK
HTR	FLDT
SUB	HGFB
<u>ALS</u>	<u>LL3541</u>

Labels secondary reviewed by: RE
PC Secondary Review: SES 12/22/22 *significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



FIELD MONITORING REPORT

PROJECT Torrey Landfill EC Sampling LAB ID 36 (PFAS + HD)

SAMPLE POINT ID Equipment Blank #1

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Bailer Rinseate

Date 12/14/22 Time 1145 SWL _____

Appearance Clear

Weather Conditions Sun 24

Sampling Technician (Print) Kyle Lee / KF Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		
Myron 6p	Redox	millivolts		
Lamotte	Turbidity	NTU		

Calibration Date/Time 12/14/22 pH = _____ Conductivity = _____

OBSERVATIONS



FIELD MONITORING REPORT

PFAS + 1,4 Dioxane

PROJECT Torrey Landfill semi-annual wells LAB ID

SAMPLE POINT ID PW-8

PURGE INFORMATION

Well Depth (ft.) 23.83 Purge Date 12/12/2022 Purge Method Bailer

SWL (ft.) 22.79 Start Time 1359 Stop Time 1400

Standing Water (ft.) 1.04 Volume Purged gal. 0.7 # casings 1, 0 to Dry

Well Constant (gal/ft.) 0.653 Observations clear to Turbid

Well Volume (gal.) 0.7 Black

SAMPLING INFORMATION

Sample Method Bailer

Date 12/13/2022 Time SWL

Appearance

Weather Conditions

Sampling Technician (Print) Quinten Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		
Myron 6p	Redox	millivolts		
Lamotte	Turbidity	NTU		

Calibration Date/Time 12/13/2022

pH =

Conductivity =

OBSERVATIONS

Turbidity =

EC was completed on well.

NO SAMPLE, INADEQUATE RECHARGE



FIELD MONITORING REPORT

PROJECT Torrey Landfill EC Sampling LAB ID 35 (PFAS+1,4D)

SAMPLE POINT ID Equipment Blank #2

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Bailer Rinseate

Date 12/14/22 Time 0920 SWL _____

Appearance clear

Weather Conditions cloudy 25°

Sampling Technician (Print) Quinton Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		
Myron 6p	Redox	millivolts		
Lamotte	Turbidity	NTU		

Calibration Date/Time 12/14/22 pH = _____ Conductivity = _____

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Torrey Landfill EC Sampling LAB ID 37+38 (PFAS +1,4D) + DUP
 SAMPLE POINT ID MW-13S

PURGE INFORMATION

Well Depth (ft.) 18.75 Purge Date 12/13/22 Purge Method Bailer
 SWL (ft.) 12.32 Start Time 0958 Stop Time 1000
 Standing Water (ft.) 6.43 Volume Purged gal. 1.75 # casings 1.75 to dry
 Well Constant (gal./ft.) 0.163 Observations Tan tint to light brown turbid
 Well Volume (gal.) 1.0

SAMPLING INFORMATION

Sample Method Bailer
 Date 12/14/22 Time 0925 SWL 12.71
 Appearance Tan Tint
 Weather Conditions cloudy 25°
 Sampling Technician (Print) Kyle Lee / QK Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		
Myron 6p	Redox	millivolts		
Lamotte	Turbidity	NTU		

Calibration Date/Time 12/15/22 ¹⁴ pH = _____ Conductivity = _____

OBSERVATIONS

Turbidity = _____
Well was low flowed for routine 360 parameters on 12/12. The bladder pump was pulled proceeding the sampling



FIELD MONITORING REPORT

PROJECT Torrey Landfill EC Sampling LAB ID 39 (PFAS + 1,4D)

SAMPLE POINT ID MW-8D

PURGE INFORMATION

Well Depth (ft.) 110.17 Purge Date 12/12/22 Purge Method Watera (See below)
 SWL (ft.) 93.07 Start Time 1040 Stop Time 1052
 Standing Water (ft.) 17.10 Volume Purged gal. 8.4 # casings 3
 Well Constant (gal/ft.) 0.163 Observations Turbid brown to clear
 Well Volume (gal.) 2.8 to Grey moderately turbid

SAMPLING INFORMATION

Sample Method Watera
 Date 12/14/22 Time 1005 SWL 95.52
 Appearance Light Turbid Gray
 Weather Conditions Partly cloudy 25°
 Sampling Technician (Print) Kyle Lee / QK Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		
Myron 6p	Redox	millivolts		
Lamotte	Turbidity	NTU		

Calibration Date/Time 12/14/22 pH = _____ Conductivity = _____

OBSERVATIONS

* Well was low flowed for routine 360 parameters on 12/12. The bladder was pulled proceeding sampling
 * Two kinks in well did not allow the use of a bailer.



Cooler Receipt and Preservation Check For

R2211927

5

Barton & Loguidice, PC
Torrey Landfill



Project/Client Barton + Loguidice Folder Number _____

Cooler received on 12/14/22 by: SES COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y <input checked="" type="radio"/> N <input type="radio"/>	5a	Perchlorate samples have required headspace?	Y <input type="radio"/> N <input checked="" type="radio"/> NA <input type="radio"/>
2	Custody papers properly completed (ink, signed)?	Y <input checked="" type="radio"/> N <input type="radio"/>	5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y <input type="radio"/> N <input checked="" type="radio"/> NA <input type="radio"/>
3	Did all bottles arrive in good condition (unbroken)?	Y <input checked="" type="radio"/> N <input type="radio"/>	6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	Y <input checked="" type="radio"/> N <input type="radio"/>	7	Soil VOA received as:	Bulk Encore 5035set <u>NA</u>

8. Temperature Readings Date: 12/14/22 Time: 1645 ID: IR#7 IR#11 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>0.2</u>	<u>0.1</u>	<u>2.4</u>	<u>1.1</u>	<u>0.0</u>	<u>1.7</u>	<u>0.9</u>	<u>0.2</u>
Within 0-6°C?	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input checked="" type="radio"/> N <input type="radio"/>	Y <input checked="" type="radio"/> N <input type="radio"/>
If <0°C, were samples frozen?	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>	Y <input type="radio"/> N <input checked="" type="radio"/>

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by SES on 12/14/22 at _____
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 12/15/22 Time: 08107 by: RE

- 9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
- 10. Did all bottle labels and tags agree with custody papers? YES NO
- 11. Were correct containers used for the tests indicated? YES NO
- 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
- 13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp.	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
9		HNO ₃								
9		H ₂ SO ₄								
4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: D90522-1GT
Explain all Discrepancies/ Other Comments: _____

HPRD	BULK
HTR	FLDT
SUB	HGFB
<u>ALS</u>	<u>LL3541</u>

Labels secondary reviewed by: RE
PC Secondary Review: SES 12/22/22 *significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



FIELD MONITORING REPORT

PROJECT Torrey Landfill EC Sampling LAB ID 36 (PFAS + HD)

SAMPLE POINT ID Equipment Blank #1

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Bailer Rinseate

Date 12/14/22 Time 1145 SWL _____

Appearance Clear

Weather Conditions Sun 24

Sampling Technician (Print) Kyle Lee / KF Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		
Myron 6p	Redox	millivolts		
Lamotte	Turbidity	NTU		

Calibration Date/Time 12/14/22 pH = _____ Conductivity = _____

OBSERVATIONS



FIELD MONITORING REPORT

PFAS + 1,4 Dioxane

PROJECT Torrey Landfill semi-annual wells LAB ID

SAMPLE POINT ID PW-8

PURGE INFORMATION

Well Depth (ft.) 23.83 Purge Date 12/12/2022 Purge Method Bailer

SWL (ft.) 22.79 Start Time 1359 Stop Time 1400

Standing Water (ft.) 1.04 Volume Purged gal. 0.7 # casings 1, 0 to Dry

Well Constant (gal/ft.) 0.653 Observations clear to Turbid

Well Volume (gal.) 0.7 Black

SAMPLING INFORMATION

Sample Method Bailer

Date 12/13/2022 Time SWL

Appearance

Weather Conditions

Sampling Technician (Print) Quinten Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		
Myron 6p	Redox	millivolts		
Lamotte	Turbidity	NTU		

Calibration Date/Time 12/13/2022

pH =

Conductivity =

OBSERVATIONS

Turbidity =

EC was completed on well.

NO SAMPLE, INADEQUATE RECHARGE



FIELD MONITORING REPORT

PROJECT Torrey Landfill EC Sampling LAB ID 35 (PFAS+1,4D)

SAMPLE POINT ID Equipment Blank #2

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____
 SWL (ft.) _____ Start Time _____ Stop Time _____
 Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____
 Well Constant (gal/ft.) _____ Observations _____
 Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Bailer Rinseate
 Date 12/14/22 Time 0920 SWL _____
 Appearance clear
 Weather Conditions cloudy 25°
 Sampling Technician (Print) Quinton Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		
Myron 6p	Redox	millivolts		
Lamotte	Turbidity	NTU		

Calibration Date/Time 12/14/22 pH = _____ Conductivity = _____

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Torrey Landfill EC Sampling LAB ID 37+38 (PFAS +1,4D) + DUP
 SAMPLE POINT ID MW-13 S

PURGE INFORMATION

Well Depth (ft.) 18.75 Purge Date 12/13/22 Purge Method Bailer
 SWL (ft.) 12.32 Start Time 0958 Stop Time 1000
 Standing Water (ft.) 6.43 Volume Purged gal. 1.75 # casings 1.75 to dry
 Well Constant (gal/ft.) 0.163 Observations Tan tint to light brown turbid
 Well Volume (gal.) 1.0

SAMPLING INFORMATION

Sample Method Bailer
 Date 12/14/22 Time 0925 SWL 12.71
 Appearance Tan Tint
 Weather Conditions cloudy 25°
 Sampling Technician (Print) Kyle Lee / QK Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		
Myron 6p	Redox	millivolts		
Lamotte	Turbidity	NTU		

Calibration Date/Time 12/15/22 ¹⁴ pH = _____ Conductivity = _____

OBSERVATIONS

Turbidity = _____
Well was low flowed for routine 360 parameters on 12/12. The bladder pump was pulled proceeding the sampling



FIELD MONITORING REPORT

PROJECT Torrey Landfill EC Sampling LAB ID 39 (PFAS + 1,4D)

SAMPLE POINT ID MW-8D

PURGE INFORMATION

Well Depth (ft.) 110.17 Purge Date 12/12/22 Purge Method Watera (See below)

SWL (ft.) 93.07 Start Time 1040 Stop Time 1052

Standing Water (ft.) 17.10 Volume Purged gal. 8.4 # casings 3

Well Constant (gal/ft.) 0.163 Observations Turbid brown to clear

Well Volume (gal.) 2.8 to Grey moderately turbid

SAMPLING INFORMATION

Sample Method Watera

Date 12/14/22 Time 1005 SWL 95.52

Appearance Light Turbid Gray

Weather Conditions Partly cloudy 25°

Sampling Technician (Print) Kyle Lee / QK Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		
Myron 6p	Redox	millivolts		
Lamotte	Turbidity	NTU		

Calibration Date/Time 12/14/22 pH = _____ Conductivity = _____

Turbidity = _____

OBSERVATIONS

* Well was low flowed for routine 360 parameters on 12/12. The bladder was pulled proceeding sampling

* Two kinks in well did not allow the use of a bailer.

ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/Emerging Contaminants

Service Request: R2211927

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2211927-001.01	8270D SIM	12/16/2022	0809	SMO / GESMERIAN	
		12/20/2022	1420	In Lab / AFELSER	
		12/20/2022	1752	R-002 / AFELSER	
R2211927-001.02		12/16/2022	0809	SMO / GESMERIAN	
		12/16/2022	0812	R-002 / GESMERIAN	
		12/16/2022	0812	SUBBED / GESMERIAN	
R2211927-001.03		12/16/2022	0811	SMO / GESMERIAN	
		12/16/2022	0812	R-002 / GESMERIAN	
		12/16/2022	0812	SUBBED / GESMERIAN	
R2211927-001.04		12/16/2022	0811	SMO / GESMERIAN	
		12/16/2022	0812	R-002 / GESMERIAN	
		12/16/2022	0812	SUBBED / GESMERIAN	
R2211927-001.05		12/16/2022	0811	SMO / GESMERIAN	
		12/16/2022	0812	R-002 / GESMERIAN	
		12/16/2022	0812	SUBBED / GESMERIAN	
R2211927-001.06		12/16/2022	0811	SMO / GESMERIAN	
		12/20/2022	1420	In Lab / AFELSER	
		12/20/2022	1752	R-002 / AFELSER	
R2211927-002.01	8270D SIM	12/16/2022	0809	SMO / GESMERIAN	
		12/20/2022	1420	In Lab / AFELSER	
		12/20/2022	1752	R-002 / AFELSER	
R2211927-002.02		12/16/2022	0809	SMO / GESMERIAN	
		12/16/2022	0812	SUBBED / GESMERIAN	
		12/16/2022	0812	R-002 / GESMERIAN	
R2211927-002.03					

ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/Emerging Contaminants

Service Request: R2211927

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		12/16/2022	0812	SMO / GESMERIAN	
		12/16/2022	0812	SUBBED / GESMERIAN	
		12/16/2022	0812	R-002 / GESMERIAN	
R2211927-003.01					
	8270D SIM				
		12/16/2022	0809	SMO / GESMERIAN	
		12/20/2022	1420	In Lab / AFELSER	
		12/20/2022	1752	R-002 / AFELSER	
R2211927-003.02					
		12/16/2022	0809	SMO / GESMERIAN	
		12/16/2022	0812	R-002 / GESMERIAN	
		12/16/2022	0812	SUBBED / GESMERIAN	
R2211927-003.03					
		12/16/2022	0812	SMO / GESMERIAN	
		12/16/2022	0812	SUBBED / GESMERIAN	
		12/16/2022	0812	R-002 / GESMERIAN	
R2211927-004.01					
	8270D SIM				
		12/16/2022	0809	SMO / GESMERIAN	
		12/20/2022	1420	In Lab / AFELSER	
		12/20/2022	1752	R-002 / AFELSER	
R2211927-004.02					
		12/16/2022	0809	SMO / GESMERIAN	
		12/16/2022	0812	R-002 / GESMERIAN	
		12/16/2022	0812	SUBBED / GESMERIAN	
R2211927-004.03					
		12/16/2022	0812	SMO / GESMERIAN	
		12/16/2022	0812	SUBBED / GESMERIAN	
		12/16/2022	0812	R-002 / GESMERIAN	
R2211927-005.01					
	8270D SIM				
		12/16/2022	0809	SMO / GESMERIAN	
		12/20/2022	1420	In Lab / AFELSER	
		12/20/2022	1752	R-002 / AFELSER	
R2211927-005.02					

ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/Emerging Contaminants

Service Request: R2211927

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		12/16/2022	0809	SMO / GESMERIAN	
		12/16/2022	0812	R-002 / GESMERIAN	
		12/16/2022	0812	SUBBED / GESMERIAN	
R2211927-005.03					
		12/16/2022	0812	SMO / GESMERIAN	
		12/16/2022	0812	SUBBED / GESMERIAN	
		12/16/2022	0812	R-002 / GESMERIAN	
R2211927-006.01					
	8270D SIM				
		12/16/2022	0809	SMO / GESMERIAN	
		12/20/2022	1420	In Lab / AFELSER	
		12/20/2022	1752	R-002 / AFELSER	
R2211927-006.02					
		12/16/2022	0809	SMO / GESMERIAN	
		12/16/2022	0812	R-002 / GESMERIAN	
		12/16/2022	0812	SUBBED / GESMERIAN	
R2211927-006.03					
		12/16/2022	0812	SMO / GESMERIAN	
		12/16/2022	0812	SUBBED / GESMERIAN	
		12/16/2022	0812	R-002 / GESMERIAN	
R2211927-007.01					
	8270D SIM				
		12/16/2022	0809	SMO / GESMERIAN	
		12/20/2022	1420	In Lab / AFELSER	
		12/20/2022	1752	R-002 / AFELSER	
R2211927-007.02					
		12/16/2022	0809	SMO / GESMERIAN	
		12/16/2022	0812	R-002 / GESMERIAN	
		12/16/2022	0812	SUBBED / GESMERIAN	
R2211927-007.03					
		12/16/2022	0812	SMO / GESMERIAN	
		12/16/2022	0812	SUBBED / GESMERIAN	
		12/16/2022	0812	R-002 / GESMERIAN	
R2211927-008.01					

ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Torrey Landfill/Emerging Contaminants

Service Request: R2211927

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8270D SIM				
		12/16/2022	0809	SMO / GESMERIAN	
		12/20/2022	1420	In Lab / AFELSER	
		12/20/2022	1752	R-002 / AFELSER	
R2211927-008.02					
		12/16/2022	0809	SMO / GESMERIAN	
		12/16/2022	0812	R-002 / GESMERIAN	
		12/16/2022	0812	SUBBED / GESMERIAN	
R2211927-008.03					
		12/16/2022	0812	SMO / GESMERIAN	
		12/16/2022	0812	R-002 / GESMERIAN	
		12/16/2022	0812	SUBBED / GESMERIAN	



Miscellaneous Forms

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REPORT QUALIFIERS AND DEFINITIONS

<p>U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.</p> <p>J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).</p> <p>B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.</p> <p>E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.</p> <p>E Organics- Concentration has exceeded the calibration range for that specific analysis.</p> <p>D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.</p> <p>* Indicates that a quality control parameter has exceeded laboratory limits. Under the “Notes” column of the Form I, this qualifier denotes analysis was performed out of Holding Time.</p> <p>H Analysis was performed out of hold time for tests that have an “immediate” hold time criteria.</p> <p># Spike was diluted out.</p>	<p>+ Correlation coefficient for MSA is <0.995.</p> <p>N Inorganics- Matrix spike recovery was outside laboratory limits.</p> <p>N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.</p> <p>S Concentration has been determined using Method of Standard Additions (MSA).</p> <p>W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.</p> <p>P Concentration >40% difference between the two GC columns.</p> <p>C Confirmed by GC/MS</p> <p>Q DoD reports: indicates a pesticide/Aroclor is not confirmed ($\geq 100\%$ Difference between two GC columns).</p> <p>X See Case Narrative for discussion.</p> <p>MRL Method Reporting Limit. Also known as: LOQ Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.</p> <p>MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).</p> <p>LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.</p> <p>ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.</p>
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Rochester Lab ID # for State Accreditations¹



NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

¹ Analyses were performed according to our laboratory’s NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

ALS Group USA, Corp.
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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants

Service Request: R2211927

Sample Name: MW-16
Lab Code: R2211927-001
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method
8270D SIM

Extracted/Digested By
AFELSER

Analyzed By
AFELSER

Sample Name: MW-4D
Lab Code: R2211927-002
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method
8270D SIM

Extracted/Digested By
AFELSER

Analyzed By
AFELSER

Sample Name: MW-3S
Lab Code: R2211927-003
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method
8270D SIM

Extracted/Digested By
AFELSER

Analyzed By
AFELSER

Sample Name: Equipment Blank #1
Lab Code: R2211927-004
Sample Matrix: Water

Date Collected: 12/13/22
Date Received: 12/14/22

Analysis Method
8270D SIM

Extracted/Digested By
AFELSER

Analyzed By
AFELSER

Sample Name: Equipment Blank #2
Lab Code: R2211927-005
Sample Matrix: Water

Date Collected: 12/14/22
Date Received: 12/14/22

Analysis Method
8270D SIM

Extracted/Digested By
AFELSER

Analyzed By
AFELSER

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants

Service Request: R2211927

Sample Name: MW-13S
Lab Code: R2211927-006
Sample Matrix: Water

Date Collected: 12/14/22
Date Received: 12/14/22

Analysis Method
8270D SIM

Extracted/Digested By
AFELSER

Analyzed By
AFELSER

Sample Name: MW-13S DUP
Lab Code: R2211927-007
Sample Matrix: Water

Date Collected: 12/14/22
Date Received: 12/14/22

Analysis Method
8270D SIM

Extracted/Digested By
AFELSER

Analyzed By
AFELSER

Sample Name: MW-8D
Lab Code: R2211927-008
Sample Matrix: Water

Date Collected: 12/14/22
Date Received: 12/14/22

Analysis Method
8270D SIM

Extracted/Digested By
AFELSER

Analyzed By
AFELSER



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	



Sample Results

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Semivolatile Organic Compounds by GC/MS

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927
Date Collected: 12/13/22 09:40
Date Received: 12/14/22 16:15

Sample Name: MW-16
Lab Code: R2211927-001

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	1	12/21/22 11:17	12/20/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	87	64 - 124	12/21/22 11:17	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927
Date Collected: 12/13/22 11:00
Date Received: 12/14/22 16:15

Sample Name: MW-4D
Lab Code: R2211927-002

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.049	0.040	1	12/21/22 12:10	12/20/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	81	64 - 124	12/21/22 12:10	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927
Date Collected: 12/13/22 11:40
Date Received: 12/14/22 16:15

Sample Name: MW-3S
Lab Code: R2211927-003

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	1	12/21/22 12:27	12/20/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	95	64 - 124	12/21/22 12:27	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927
Date Collected: 12/13/22 11:45
Date Received: 12/14/22 16:15

Sample Name: Equipment Blank #1
Lab Code: R2211927-004

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	1	12/21/22 12:45	12/20/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	93	64 - 124	12/21/22 12:45	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927
Date Collected: 12/14/22 09:20
Date Received: 12/14/22 16:15

Sample Name: Equipment Blank #2
Lab Code: R2211927-005

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	1	12/21/22 13:02	12/20/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	84	64 - 124	12/21/22 13:02	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927
Date Collected: 12/14/22 09:25
Date Received: 12/14/22 16:15

Sample Name: MW-13S
Lab Code: R2211927-006

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	1	12/21/22 13:20	12/20/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	79	64 - 124	12/21/22 13:20	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927
Date Collected: 12/14/22 09:25
Date Received: 12/14/22 16:15

Sample Name: MW-13S DUP
Lab Code: R2211927-007

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	1	12/21/22 13:38	12/20/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	91	64 - 124	12/21/22 13:38	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927
Date Collected: 12/14/22 10:05
Date Received: 12/14/22 16:15

Sample Name: MW-8D
Lab Code: R2211927-008

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.065	0.040	1	12/21/22 13:55	12/20/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	77	64 - 124	12/21/22 13:55	



QC Summary Forms

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Semivolatile Organic Compounds by GC/MS

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www.alsglobal.com

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927

SURROGATE RECOVERY SUMMARY
1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Extraction Method: EPA 3535A

Sample Name	Lab Code	Tetrahydrofuran-d8 (SUR)
		64-124
MW-16	R2211927-001	87
MW-4D	R2211927-002	81
MW-3S	R2211927-003	95
Equipment Blank #1	R2211927-004	93
Equipment Blank #2	R2211927-005	84
MW-13S	R2211927-006	79
MW-13S DUP	R2211927-007	91
MW-8D	R2211927-008	77
Method Blank	RQ2215977-01	90
Lab Control Sample	RQ2215977-02	94
Duplicate Lab Control Sample	RQ2215977-03	95
MW-16 MS	RQ2215977-04	94
MW-16 DMS	RQ2215977-05	96

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927
Date Collected: 12/13/22
Date Received: 12/14/22
Date Analyzed: 12/21/22
Date Extracted: 12/20/22

Duplicate Matrix Spike Summary
1,4-Dioxane by GC/MS

Sample Name: MW-16
Lab Code: R2211927-001
Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Units: ug/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike RQ2215977-04		Duplicate Matrix Spike RQ2215977-05		% Rec Limits	RPD	RPD Limit	
			Spike Amount	% Rec	Result	Spike Amount				% Rec
1,4-Dioxane	0.040 U	9.01	10.0	90	8.97	10.0	90	33-146	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2215977-01

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	1	12/21/22 10:25	12/20/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	90	64 - 124	12/21/22 10:25	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927
Date Analyzed: 12/21/22

Duplicate Lab Control Sample Summary
1,4-Dioxane by GC/MS

Units:ug/L
Basis:NA

Analyte Name	Analytical Method	Result	Lab Control Sample		Duplicate Lab Control Sample		% Rec Limits	RPD	RPD Limit	
			Spike Amount	% Rec	Result	Spike Amount				% Rec
1,4-Dioxane	8270D SIM	8.66	10.0	87	9.40	10.0	94	58-124	8	30



Subcontracted Analytical Parameters

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com



30-Dec-2022

Nicole Mansen
ALS Environmental
1565 Jefferson Rd
Bldg 300
Rochester, NY 14623

Re: **R2211927**

Work Order: **22121784**

Dear Nicole,

ALS Environmental received 8 samples on 20-Dec-2022 02:00 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 39.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Chelsey Cook

Electronically approved by: Jodi Blouw

Chelsey Cook
Project Manager

Report of Laboratory Analysis

Certificate No: NY: 12128

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

www.alsglobal.com

Client: ALS Environmental
Project: R2211927
Work Order: 22121784

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
22121784-01	MW-16	Water		12/13/2022 09:40	12/20/2022 14:00	<input type="checkbox"/>
22121784-02	MW-4D	Water		12/13/2022 11:00	12/20/2022 14:00	<input type="checkbox"/>
22121784-03	MW-3S	Water		12/13/2022 11:40	12/20/2022 14:00	<input type="checkbox"/>
22121784-04	Equipment Blank #1	Water		12/13/2022 11:45	12/20/2022 14:00	<input type="checkbox"/>
22121784-05	Equipment Blank #2	Water		12/14/2022 09:20	12/20/2022 14:00	<input type="checkbox"/>
22121784-06	MW-13S	Water		12/14/2022 09:25	12/20/2022 14:00	<input type="checkbox"/>
22121784-07	MW-13S Dup	Water		12/14/2022 09:25	12/20/2022 14:00	<input type="checkbox"/>
22121784-08	MW-8D	Water		12/14/2022 10:05	12/20/2022 14:00	<input type="checkbox"/>

Client: ALS Environmental
 Project: R2211927
 WorkOrder: 22121784

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

<u>Units Reported</u>	<u>Description</u>
ng/L	Nanograms per Liter

Client: ALS Environmental
Project: R2211927
Work Order: 22121784

Case Narrative

Samples for the above noted Work Order were received on 12/20/2022. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

Extractable Organics:

Batch 208704, Method E537 Mod, Sample MW-4D (22121784-02A): The extracted internal standard response was outside recovery criteria with high bias; sample results may exhibit bias. 13C2-6_2-FTS_IS

Batch 208704, Method E537 Mod, Sample MW-4D (22121784-02A): One or more surrogate recoveries were below the lower control limits. The sample results may be biased low. 13C3-HFPO-DA, d3-N-MeFOSA, d5-N-EtFOSA, d9-N-EtFOSE

Batch 208704, Method E537 Mod, Sample MW-4D (22121784-02A): One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed. 13C2-FtS 6:2

Batch 208704, Method E537 Mod, Samples (22121784-04A,-05A): One or more surrogate recoveries were below the lower control limits. The sample results may be biased low. See attached QC report.

Batch 208704, Method E537 Mod, Sample MW-13S Dup (22121784-05A,-06A,-07A,-08A): The Continuing Calibration Verification did not meet method acceptance criteria for the following analytes, results are to be considered estimated: 13C3-HFPO-DA fails low and d7-N-MeFOSE fails high in CCV (both within range in sample)

Batch 208704, Method E537 Mod, Sample MW-13S Dup (22121784-07A): One or more

Client: ALS Environmental
Project: R2211927
Work Order: 22121784

Case Narrative

surrogate recoveries were below the lower control limits. The sample results may be biased low. See attached QC report.

Batch 208704, Method E537 Mod, Sample MW-8D (22121784-08A): One or more surrogate recoveries were below the lower control limits. The sample results may be biased low. 13C2-PFDA

Batch 208888, Method E537 Mod, Sample LCS-208888: The LCS recovery was above the upper control limit. All the sample results in the batch were non-detect. No qualification is necessary for this analyte: PFPeS

Batch 208888, Method E537 Mod, Sample 22121784-01AMS: The MS recovery was above the upper control limit. The corresponding result in the parent sample was non-detect, therefore no qualification is necessary: NEtFOSAA, PFDS, PFNS

Batch 208888, Method E537 Mod, Sample 22121784-01AMS: The MS recovery was outside of the control limit. However, the MSD recovery and the RPD between the MS and MSD was in control. No qualification is required for this analyte: NMeFOSE, 13C2-PFDA

Batch 208888, Method E537 Mod, Sample 22121784-01AMSD: The MSD recovery was above the upper control limit. The corresponding result in the parent sample was non-detect, therefore no qualification is necessary. NEtFOSAA, PFDS, PFNS, PFPeS

Batch 208888, Method E537 Mod, Sample 22121784-01AMSD: The MSD recovery was outside of the control limit. However, the MS recovery and the RPD between the MS and MSD was in control. No qualification is required for this analyte: 11Cl

Batch 208888, Method E537 Mod, Sample 22121784-01AMSD: The RPD between the MS and MSD was outside of the control limit. The corresponding result should be considered estimated for this compound: FTS 8:2, PFHxS, PFPeS, PFHpS

Batch 208704, Method E537 Mod, Samples (22121784-02A,-03A,-06A,-07A,-08A): Additional acid required to reach a pH of 3.

No other deviations or anomalies were noted.

Client: ALS Environmental
Project: R2211927
Sample ID: MW-16
Collection Date: 12/13/2022 09:40 AM

Work Order: 22121784
Lab ID: 22121784-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PFAS BY EPA 537 MODIFIED			E537 MOD	Prep: E537 Mod	12/27/22 17:16	Analyst: ENS
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	ND		4.6	ng/L	1	12/28/2022 04:13 PM
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	ND		4.6	ng/L	1	12/28/2022 04:13 PM
Perfluorobutanesulfonic Acid (PFBS)	ND		4.6	ng/L	1	12/28/2022 04:13 PM
Perfluorobutanoic Acid (PFBA)	ND		4.6	ng/L	1	12/28/2022 04:13 PM
Perfluorodecanesulfonic Acid (PFDS)	ND		4.6	ng/L	1	12/28/2022 04:13 PM
Perfluorodecanoic Acid (PFDA)	ND		4.6	ng/L	1	12/28/2022 04:13 PM
Perfluorododecanoic Acid (PFDoA)	ND		4.6	ng/L	1	12/28/2022 04:13 PM
Perfluoroheptanesulfonic Acid (PFHpS)	ND		4.6	ng/L	1	12/29/2022 10:19 PM
Perfluoroheptanoic Acid (PFHpA)	ND		4.6	ng/L	1	12/28/2022 04:13 PM
Perfluorohexanesulfonic Acid (PFHxS)	ND		4.6	ng/L	1	12/28/2022 04:13 PM
Perfluorohexanoic Acid (PFHxA)	ND		4.6	ng/L	1	12/28/2022 04:13 PM
Perfluorononanoic Acid (PFNA)	ND		4.6	ng/L	1	12/28/2022 04:13 PM
Perfluorooctanesulfonamide (PFOSA)	ND		4.6	ng/L	1	12/28/2022 04:13 PM
Perfluorooctanesulfonic Acid (PFOS)	ND		1.8	ng/L	1	12/28/2022 04:13 PM
Perfluorooctanoic Acid (PFOA)	ND		1.8	ng/L	1	12/28/2022 04:13 PM
Perfluoropentanoic Acid (PFPeA)	ND		4.6	ng/L	1	12/28/2022 04:13 PM
Perfluorotetradecanoic Acid (PFTeA)	ND		4.6	ng/L	1	12/28/2022 04:13 PM
Perfluorotridecanoic Acid (PFTriA)	ND		4.6	ng/L	1	12/29/2022 10:19 PM
Perfluoroundecanoic Acid (PFUnA)	ND		4.6	ng/L	1	12/28/2022 04:13 PM
N-Ethylperfluorooctanesulfonamidoacetic Acid	ND		4.6	ng/L	1	12/28/2022 04:13 PM
N-Methylperfluorooctanesulfonamidoacetic Acid	ND		4.6	ng/L	1	12/28/2022 04:13 PM
Surr: 13C2-FtS 6:2	105		50-150	%REC	1	12/28/2022 04:13 PM
Surr: 13C2-FtS 8:2	70.6		50-150	%REC	1	12/28/2022 04:13 PM
Surr: 13C2-PFDA	57.6		50-150	%REC	1	12/28/2022 04:13 PM
Surr: 13C2-PFDoA	64.0		50-150	%REC	1	12/28/2022 04:13 PM
Surr: 13C2-PFHxA	67.4		50-150	%REC	1	12/28/2022 04:13 PM
Surr: 13C2-PFTeA	85.9		50-150	%REC	1	12/28/2022 04:13 PM
Surr: 13C2-PFUnA	77.3		50-150	%REC	1	12/28/2022 04:13 PM
Surr: 13C3-HFPO-DA	54.4		50-150	%REC	1	12/28/2022 04:13 PM
Surr: 13C3-PFBS	77.8		50-150	%REC	1	12/28/2022 04:13 PM
Surr: 13C4-PFBA	72.4		50-150	%REC	1	12/28/2022 04:13 PM
Surr: 13C4-PFHxA	90.3		50-150	%REC	1	12/28/2022 04:13 PM
Surr: 13C4-PFOA	55.3		50-150	%REC	1	12/28/2022 04:13 PM
Surr: 13C4-PFOS	63.4		50-150	%REC	1	12/28/2022 04:13 PM
Surr: 13C5-PFNA	51.9		50-150	%REC	1	12/28/2022 04:13 PM
Surr: 13C5-PFPeA	75.2		50-150	%REC	1	12/28/2022 04:13 PM
Surr: 13C8-FOSA	83.9		50-150	%REC	1	12/28/2022 04:13 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2211927
Sample ID: MW-16
Collection Date: 12/13/2022 09:40 AM

Work Order: 22121784
Lab ID: 22121784-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 18O2-PFHxS	79.5		50-150	%REC	1	12/28/2022 04:13 PM
Surr: d5-N-EtFOSA	70.6		50-150	%REC	1	12/28/2022 04:13 PM
Surr: d5-N-EtFOSAA	90.1		50-150	%REC	1	12/28/2022 04:13 PM
Surr: d9-N-EtFOSE	64.7		50-150	%REC	1	12/28/2022 04:13 PM
Surr: d3-N-MeFOSA	59.6		50-150	%REC	1	12/28/2022 04:13 PM
Surr: d3-N-MeFOSAA	70.2		50-150	%REC	1	12/28/2022 04:13 PM
Surr: d7-N-MeFOSE	81.0		50-150	%REC	1	12/28/2022 04:13 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2211927
Sample ID: MW-4D
Collection Date: 12/13/2022 11:00 AM

Work Order: 22121784
Lab ID: 22121784-02
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PFAS BY EPA 537 MODIFIED			E537 MOD	Prep: E537 Mod	12/21/22 17:15	Analyst: ENS
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	ND		4.5	ng/L	1	12/22/2022 06:00 AM
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	ND		4.5	ng/L	1	12/22/2022 06:00 AM
Perfluorobutanesulfonic Acid (PFBS)	ND		4.5	ng/L	1	12/22/2022 06:00 AM
Perfluorobutanoic Acid (PFBA)	ND		4.5	ng/L	1	12/22/2022 06:00 AM
Perfluorodecanesulfonic Acid (PFDS)	ND		4.5	ng/L	1	12/22/2022 10:19 PM
Perfluorodecanoic Acid (PFDA)	ND		4.5	ng/L	1	12/22/2022 06:00 AM
Perfluorododecanoic Acid (PFDoA)	ND		4.5	ng/L	1	12/22/2022 06:00 AM
Perfluoroheptanesulfonic Acid (PFHpS)	ND		4.5	ng/L	1	12/22/2022 06:00 AM
Perfluoroheptanoic Acid (PFHpA)	ND		4.5	ng/L	1	12/22/2022 06:00 AM
Perfluorohexanesulfonic Acid (PFHxS)	ND		4.5	ng/L	1	12/22/2022 06:00 AM
Perfluorohexanoic Acid (PFHxA)	ND		4.5	ng/L	1	12/22/2022 06:00 AM
Perfluorononanoic Acid (PFNA)	ND		4.5	ng/L	1	12/22/2022 06:00 AM
Perfluorooctanesulfonamide (PFOSA)	ND		4.5	ng/L	1	12/22/2022 06:00 AM
Perfluorooctanesulfonic Acid (PFOS)	ND		1.8	ng/L	1	12/22/2022 06:00 AM
Perfluorooctanoic Acid (PFOA)	ND		1.8	ng/L	1	12/22/2022 06:00 AM
Perfluoropentanoic Acid (PFPeA)	ND		4.5	ng/L	1	12/22/2022 06:00 AM
Perfluorotetradecanoic Acid (PFTeA)	ND		4.5	ng/L	1	12/22/2022 06:00 AM
Perfluorotridecanoic Acid (PFTriA)	ND		4.5	ng/L	1	12/22/2022 06:00 AM
Perfluoroundecanoic Acid (PFUnA)	ND		4.5	ng/L	1	12/22/2022 06:00 AM
N-Ethylperfluorooctanesulfonamidoacetic Acid	ND		4.5	ng/L	1	12/22/2022 06:00 AM
N-Methylperfluorooctanesulfonamidoacetic Acid	ND		4.5	ng/L	1	12/22/2022 06:00 AM
Surr: 13C2-FtS 6:2	150	S	50-150	%REC	1	12/22/2022 06:00 AM
Surr: 13C2-FtS 8:2	73.3		50-150	%REC	1	12/22/2022 10:19 PM
Surr: 13C2-PFDA	61.5		50-150	%REC	1	12/22/2022 10:19 PM
Surr: 13C2-PFDoA	56.5		50-150	%REC	1	12/22/2022 06:00 AM
Surr: 13C2-PFHxA	63.4		50-150	%REC	1	12/22/2022 06:00 AM
Surr: 13C2-PFTeA	50.0		50-150	%REC	1	12/22/2022 06:00 AM
Surr: 13C2-PFUnA	72.7		50-150	%REC	1	12/22/2022 06:00 AM
Surr: 13C3-HFPO-DA	40.3	S	50-150	%REC	1	12/22/2022 06:00 AM
Surr: 13C3-PFBS	71.7		50-150	%REC	1	12/22/2022 06:00 AM
Surr: 13C4-PFBA	67.3		50-150	%REC	1	12/22/2022 06:00 AM
Surr: 13C4-PFHpA	100		50-150	%REC	1	12/22/2022 06:00 AM
Surr: 13C4-PFOA	56.3		50-150	%REC	1	12/22/2022 10:19 PM
Surr: 13C4-PFOS	60.3		50-150	%REC	1	12/22/2022 10:19 PM
Surr: 13C5-PFNA	53.4		50-150	%REC	1	12/22/2022 10:19 PM
Surr: 13C5-PFPeA	73.8		50-150	%REC	1	12/22/2022 10:19 PM
Surr: 13C8-FOSA	53.5		50-150	%REC	1	12/22/2022 06:00 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2211927
Sample ID: MW-4D
Collection Date: 12/13/2022 11:00 AM

Work Order: 22121784
Lab ID: 22121784-02
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 18O2-PFHxS	59.6		50-150	%REC	1	12/22/2022 06:00 AM
Surr: d5-N-EtFOSA	47.1	S	50-150	%REC	1	12/22/2022 06:00 AM
Surr: d5-N-EtFOSAA	83.5		50-150	%REC	1	12/22/2022 06:00 AM
Surr: d9-N-EtFOSE	48.9	S	50-150	%REC	1	12/22/2022 06:00 AM
Surr: d3-N-MeFOSA	35.2	S	50-150	%REC	1	12/22/2022 06:00 AM
Surr: d3-N-MeFOSAA	74.4		50-150	%REC	1	12/22/2022 10:19 PM
Surr: d7-N-MeFOSE	89.9		50-150	%REC	1	12/22/2022 10:19 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2211927
Sample ID: MW-3S
Collection Date: 12/13/2022 11:40 AM

Work Order: 22121784
Lab ID: 22121784-03
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PFAS BY EPA 537 MODIFIED			E537 MOD	Prep: E537 Mod	12/21/22 17:15	Analyst: ENS
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	ND		4.6	ng/L	1	12/22/2022 06:09 AM
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	ND		4.6	ng/L	1	12/22/2022 06:09 AM
Perfluorobutanesulfonic Acid (PFBS)	5.1		4.6	ng/L	1	12/22/2022 06:09 AM
Perfluorobutanoic Acid (PFBA)	ND		4.6	ng/L	1	12/22/2022 06:09 AM
Perfluorodecanesulfonic Acid (PFDS)	ND		4.6	ng/L	1	12/22/2022 10:27 PM
Perfluorodecanoic Acid (PFDA)	ND		4.6	ng/L	1	12/22/2022 06:09 AM
Perfluorododecanoic Acid (PFDoA)	ND		4.6	ng/L	1	12/22/2022 06:09 AM
Perfluoroheptanesulfonic Acid (PFHpS)	ND		4.6	ng/L	1	12/22/2022 06:09 AM
Perfluoroheptanoic Acid (PFHpA)	ND		4.6	ng/L	1	12/22/2022 06:09 AM
Perfluorohexanesulfonic Acid (PFHxS)	ND		4.6	ng/L	1	12/22/2022 06:09 AM
Perfluorohexanoic Acid (PFHxA)	ND		4.6	ng/L	1	12/22/2022 06:09 AM
Perfluorononanoic Acid (PFNA)	ND		4.6	ng/L	1	12/22/2022 06:09 AM
Perfluorooctanesulfonamide (PFOSA)	ND		4.6	ng/L	1	12/22/2022 06:09 AM
Perfluorooctanesulfonic Acid (PFOS)	ND		1.8	ng/L	1	12/22/2022 06:09 AM
Perfluorooctanoic Acid (PFOA)	ND		1.8	ng/L	1	12/22/2022 06:09 AM
Perfluoropentanoic Acid (PFPeA)	ND		4.6	ng/L	1	12/22/2022 06:09 AM
Perfluorotetradecanoic Acid (PFTeA)	ND		4.6	ng/L	1	12/22/2022 06:09 AM
Perfluorotridecanoic Acid (PFTriA)	ND		4.6	ng/L	1	12/22/2022 06:09 AM
Perfluoroundecanoic Acid (PFUnA)	ND		4.6	ng/L	1	12/22/2022 06:09 AM
N-Ethylperfluorooctanesulfonamidoacetic Acid	ND		4.6	ng/L	1	12/22/2022 06:09 AM
N-Methylperfluorooctanesulfonamidoacetic Acid	ND		4.6	ng/L	1	12/22/2022 06:09 AM
Surr: 13C2-FtS 6:2	93.2		50-150	%REC	1	12/22/2022 06:09 AM
Surr: 13C2-FtS 8:2	62.8		50-150	%REC	1	12/22/2022 10:27 PM
Surr: 13C2-PFDA	76.5		50-150	%REC	1	12/22/2022 10:27 PM
Surr: 13C2-PFDoA	71.5		50-150	%REC	1	12/22/2022 06:09 AM
Surr: 13C2-PFHxA	82.9		50-150	%REC	1	12/22/2022 06:09 AM
Surr: 13C2-PFTeA	104		50-150	%REC	1	12/22/2022 06:09 AM
Surr: 13C2-PFUnA	82.3		50-150	%REC	1	12/22/2022 06:09 AM
Surr: 13C3-HFPO-DA	63.1		50-150	%REC	1	12/22/2022 06:09 AM
Surr: 13C3-PFBS	85.3		50-150	%REC	1	12/22/2022 06:09 AM
Surr: 13C4-PFBA	81.0		50-150	%REC	1	12/22/2022 06:09 AM
Surr: 13C4-PFHpA	116		50-150	%REC	1	12/22/2022 06:09 AM
Surr: 13C4-PFOA	74.9		50-150	%REC	1	12/22/2022 10:27 PM
Surr: 13C4-PFOS	86.4		50-150	%REC	1	12/22/2022 10:27 PM
Surr: 13C5-PFNA	72.0		50-150	%REC	1	12/22/2022 10:27 PM
Surr: 13C5-PFPeA	84.5		50-150	%REC	1	12/22/2022 10:27 PM
Surr: 13C8-FOSA	93.3		50-150	%REC	1	12/22/2022 06:09 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2211927
Sample ID: MW-3S
Collection Date: 12/13/2022 11:40 AM

Work Order: 22121784
Lab ID: 22121784-03
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 18O2-PFHxS	80.0		50-150	%REC	1	12/22/2022 06:09 AM
Surr: d5-N-EtFOSA	82.2		50-150	%REC	1	12/22/2022 06:09 AM
Surr: d5-N-EtFOSAA	95.1		50-150	%REC	1	12/22/2022 06:09 AM
Surr: d9-N-EtFOSE	82.9		50-150	%REC	1	12/22/2022 06:09 AM
Surr: d3-N-MeFOSA	67.1		50-150	%REC	1	12/22/2022 06:09 AM
Surr: d3-N-MeFOSAA	88.0		50-150	%REC	1	12/22/2022 10:27 PM
Surr: d7-N-MeFOSE	131		50-150	%REC	1	12/22/2022 10:27 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
 Project: R2211927
 Sample ID: Equipment Blank #1
 Collection Date: 12/13/2022 11:45 AM

Work Order: 22121784
 Lab ID: 22121784-04
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PFAS BY EPA 537 MODIFIED			E537 MOD	Prep: E537 Mod	12/21/22 17:15	Analyst: ENS
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	ND		4.8	ng/L	1	12/22/2022 06:17 AM
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	ND		4.8	ng/L	1	12/22/2022 06:17 AM
Perfluorobutanesulfonic Acid (PFBS)	ND		4.8	ng/L	1	12/22/2022 06:17 AM
Perfluorobutanoic Acid (PFBA)	ND		4.8	ng/L	1	12/22/2022 06:17 AM
Perfluorodecanesulfonic Acid (PFDS)	ND		4.8	ng/L	1	12/22/2022 10:36 PM
Perfluorodecanoic Acid (PFDA)	ND		4.8	ng/L	1	12/22/2022 06:17 AM
Perfluorododecanoic Acid (PFDoA)	ND		4.8	ng/L	1	12/22/2022 06:17 AM
Perfluoroheptanesulfonic Acid (PFHpS)	ND		4.8	ng/L	1	12/22/2022 06:17 AM
Perfluoroheptanoic Acid (PFHpA)	ND		4.8	ng/L	1	12/22/2022 06:17 AM
Perfluorohexanesulfonic Acid (PFHxS)	ND		4.8	ng/L	1	12/22/2022 06:17 AM
Perfluorohexanoic Acid (PFHxA)	ND		4.8	ng/L	1	12/22/2022 06:17 AM
Perfluorononanoic Acid (PFNA)	ND		4.8	ng/L	1	12/22/2022 06:17 AM
Perfluorooctanesulfonamide (PFOSA)	ND		4.8	ng/L	1	12/22/2022 06:17 AM
Perfluorooctanesulfonic Acid (PFOS)	ND		1.9	ng/L	1	12/22/2022 06:17 AM
Perfluorooctanoic Acid (PFOA)	ND		1.9	ng/L	1	12/22/2022 06:17 AM
Perfluoropentanoic Acid (PFPeA)	ND		4.8	ng/L	1	12/22/2022 06:17 AM
Perfluorotetradecanoic Acid (PFTeA)	ND		4.8	ng/L	1	12/22/2022 06:17 AM
Perfluorotridecanoic Acid (PFTriA)	ND		4.8	ng/L	1	12/22/2022 06:17 AM
Perfluoroundecanoic Acid (PFUnA)	ND		4.8	ng/L	1	12/22/2022 06:17 AM
N-Ethylperfluorooctanesulfonamidoacetic Acid	ND		4.8	ng/L	1	12/22/2022 06:17 AM
N-Methylperfluorooctanesulfonamidoacetic Acid	ND		4.8	ng/L	1	12/22/2022 06:17 AM
Surr: 13C2-FtS 6:2	90.8		50-150	%REC	1	12/22/2022 06:17 AM
Surr: 13C2-FtS 8:2	60.5		50-150	%REC	1	12/22/2022 10:36 PM
Surr: 13C2-PFDA	40.4	S	50-150	%REC	1	12/22/2022 10:36 PM
Surr: 13C2-PFDoA	69.6		50-150	%REC	1	12/22/2022 06:17 AM
Surr: 13C2-PFHxA	85.9		50-150	%REC	1	12/22/2022 06:17 AM
Surr: 13C2-PFTeA	94.2		50-150	%REC	1	12/22/2022 06:17 AM
Surr: 13C2-PFUnA	81.9		50-150	%REC	1	12/22/2022 06:17 AM
Surr: 13C3-HFPO-DA	58.2		50-150	%REC	1	12/22/2022 06:17 AM
Surr: 13C3-PFBS	85.8		50-150	%REC	1	12/22/2022 06:17 AM
Surr: 13C4-PFBA	83.8		50-150	%REC	1	12/22/2022 06:17 AM
Surr: 13C4-PFHpA	112		50-150	%REC	1	12/22/2022 06:17 AM
Surr: 13C4-PFOA	44.7	S	50-150	%REC	1	12/22/2022 10:36 PM
Surr: 13C4-PFOS	42.0	S	50-150	%REC	1	12/22/2022 10:36 PM
Surr: 13C5-PFNA	43.2	S	50-150	%REC	1	12/22/2022 10:36 PM
Surr: 13C5-PFPeA	53.0		50-150	%REC	1	12/22/2022 10:36 PM
Surr: 13C8-FOSA	92.0		50-150	%REC	1	12/22/2022 06:17 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2211927
Sample ID: Equipment Blank #1
Collection Date: 12/13/2022 11:45 AM

Work Order: 22121784
Lab ID: 22121784-04
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 18O2-PFHxS	84.1		50-150	%REC	1	12/22/2022 06:17 AM
Surr: d5-N-EtFOSA	67.5		50-150	%REC	1	12/22/2022 06:17 AM
Surr: d5-N-EtFOSAA	85.0		50-150	%REC	1	12/22/2022 06:17 AM
Surr: d9-N-EtFOSE	74.0		50-150	%REC	1	12/22/2022 06:17 AM
Surr: d3-N-MeFOSA	60.5		50-150	%REC	1	12/22/2022 06:17 AM
Surr: d3-N-MeFOSAA	43.8	S	50-150	%REC	1	12/22/2022 10:36 PM
Surr: d7-N-MeFOSE	57.4		50-150	%REC	1	12/22/2022 10:36 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2211927
Sample ID: Equipment Blank #2
Collection Date: 12/14/2022 09:20 AM

Work Order: 22121784
Lab ID: 22121784-05
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PFAS BY EPA 537 MODIFIED			E537 MOD	Prep: E537 Mod	12/21/22 17:15	Analyst: ENS
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	ND		4.4	ng/L	1	12/22/2022 06:58 AM
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	ND		4.4	ng/L	1	12/22/2022 06:58 AM
Perfluorobutanesulfonic Acid (PFBS)	ND		4.4	ng/L	1	12/22/2022 06:58 AM
Perfluorobutanoic Acid (PFBA)	ND		4.4	ng/L	1	12/22/2022 06:58 AM
Perfluorodecanesulfonic Acid (PFDS)	ND		4.4	ng/L	1	12/22/2022 06:58 AM
Perfluorodecanoic Acid (PFDA)	ND		4.4	ng/L	1	12/22/2022 06:58 AM
Perfluorododecanoic Acid (PFDoA)	ND		4.4	ng/L	1	12/22/2022 06:58 AM
Perfluoroheptanesulfonic Acid (PFHpS)	ND		4.4	ng/L	1	12/22/2022 06:58 AM
Perfluoroheptanoic Acid (PFHpA)	ND		4.4	ng/L	1	12/22/2022 06:58 AM
Perfluorohexanesulfonic Acid (PFHxS)	ND		4.4	ng/L	1	12/22/2022 06:58 AM
Perfluorohexanoic Acid (PFHxA)	ND		4.4	ng/L	1	12/22/2022 06:58 AM
Perfluorononanoic Acid (PFNA)	ND		4.4	ng/L	1	12/22/2022 06:58 AM
Perfluorooctanesulfonamide (FOSA)	ND		4.4	ng/L	1	12/22/2022 06:58 AM
Perfluorooctanesulfonic Acid (PFOS)	ND		1.8	ng/L	1	12/22/2022 06:58 AM
Perfluorooctanoic Acid (PFOA)	ND		1.8	ng/L	1	12/22/2022 06:58 AM
Perfluoropentanoic Acid (PFPeA)	ND		4.4	ng/L	1	12/22/2022 06:58 AM
Perfluorotetradecanoic Acid (PFTeA)	ND		4.4	ng/L	1	12/22/2022 06:58 AM
Perfluorotridecanoic Acid (PFTriA)	ND		4.4	ng/L	1	12/22/2022 06:58 AM
Perfluoroundecanoic Acid (PFUnA)	ND		4.4	ng/L	1	12/22/2022 06:58 AM
N-Ethylperfluorooctanesulfonamidoacetic Acid	ND		4.4	ng/L	1	12/22/2022 06:58 AM
N-Methylperfluorooctanesulfonamidoacetic Acid	ND		4.4	ng/L	1	12/22/2022 06:58 AM
Surr: 13C2-FtS 6:2	74.4		50-150	%REC	1	12/22/2022 06:58 AM
Surr: 13C2-FtS 8:2	56.5		50-150	%REC	1	12/22/2022 06:58 AM
Surr: 13C2-PFDA	38.5	S	50-150	%REC	1	12/22/2022 06:58 AM
Surr: 13C2-PFDoA	57.0		50-150	%REC	1	12/22/2022 06:58 AM
Surr: 13C2-PFHxA	52.4		50-150	%REC	1	12/22/2022 06:58 AM
Surr: 13C2-PFTeA	75.4		50-150	%REC	1	12/22/2022 06:58 AM
Surr: 13C2-PFUnA	83.4		50-150	%REC	1	12/22/2022 06:58 AM
Surr: 13C3-HFPO-DA	65.4		50-150	%REC	1	12/22/2022 06:58 AM
Surr: 13C3-PFBS	60.8		50-150	%REC	1	12/22/2022 06:58 AM
Surr: 13C4-PFBA	60.3		50-150	%REC	1	12/22/2022 06:58 AM
Surr: 13C4-PFHpA	57.6		50-150	%REC	1	12/22/2022 06:58 AM
Surr: 13C4-PFOA	42.9	S	50-150	%REC	1	12/22/2022 06:58 AM
Surr: 13C4-PFOS	44.7	S	50-150	%REC	1	12/22/2022 06:58 AM
Surr: 13C5-PFNA	44.2	S	50-150	%REC	1	12/22/2022 06:58 AM
Surr: 13C5-PFPeA	62.0		50-150	%REC	1	12/22/2022 06:58 AM
Surr: 13C8-FOSA	71.8		50-150	%REC	1	12/22/2022 06:58 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2211927
Sample ID: Equipment Blank #2
Collection Date: 12/14/2022 09:20 AM

Work Order: 22121784
Lab ID: 22121784-05
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 18O2-PFHxS	66.5		50-150	%REC	1	12/22/2022 06:58 AM
Surr: d5-N-EtFOSA	46.7	S	50-150	%REC	1	12/22/2022 06:58 AM
Surr: d5-N-EtFOSAA	81.1		50-150	%REC	1	12/22/2022 06:58 AM
Surr: d9-N-EtFOSE	65.3		50-150	%REC	1	12/22/2022 06:58 AM
Surr: d3-N-MeFOSA	57.4		50-150	%REC	1	12/22/2022 06:58 AM
Surr: d3-N-MeFOSAA	47.8	S	50-150	%REC	1	12/22/2022 06:58 AM
Surr: d7-N-MeFOSE	61.1		50-150	%REC	1	12/22/2022 06:58 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
 Project: R2211927
 Sample ID: MW-13S
 Collection Date: 12/14/2022 09:25 AM

Work Order: 22121784
 Lab ID: 22121784-06
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PFAS BY EPA 537 MODIFIED			E537 MOD	Prep: E537 Mod	12/21/22 17:15	Analyst: ENS
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	ND		4.5	ng/L	1	12/22/2022 07:06 AM
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	ND		4.5	ng/L	1	12/22/2022 07:06 AM
Perfluorobutanesulfonic Acid (PFBS)	ND		4.5	ng/L	1	12/22/2022 07:06 AM
Perfluorobutanoic Acid (PFBA)	ND		4.5	ng/L	1	12/22/2022 07:06 AM
Perfluorodecanesulfonic Acid (PFDS)	ND		4.5	ng/L	1	12/22/2022 07:06 AM
Perfluorodecanoic Acid (PFDA)	ND		4.5	ng/L	1	12/22/2022 07:06 AM
Perfluorododecanoic Acid (PFDoA)	ND		4.5	ng/L	1	12/22/2022 07:06 AM
Perfluoroheptanesulfonic Acid (PFHpS)	ND		4.5	ng/L	1	12/22/2022 07:06 AM
Perfluoroheptanoic Acid (PFHpA)	ND		4.5	ng/L	1	12/22/2022 07:06 AM
Perfluorohexanesulfonic Acid (PFHxS)	ND		4.5	ng/L	1	12/22/2022 07:06 AM
Perfluorohexanoic Acid (PFHxA)	ND		4.5	ng/L	1	12/22/2022 07:06 AM
Perfluorononanoic Acid (PFNA)	ND		4.5	ng/L	1	12/22/2022 07:06 AM
Perfluorooctanesulfonamide (FOSA)	ND		4.5	ng/L	1	12/22/2022 07:06 AM
Perfluorooctanesulfonic Acid (PFOS)	ND		1.8	ng/L	1	12/22/2022 07:06 AM
Perfluorooctanoic Acid (PFOA)	ND		1.8	ng/L	1	12/22/2022 07:06 AM
Perfluoropentanoic Acid (PFPeA)	ND		4.5	ng/L	1	12/22/2022 07:06 AM
Perfluorotetradecanoic Acid (PFTeA)	ND		4.5	ng/L	1	12/22/2022 07:06 AM
Perfluorotridecanoic Acid (PFTriA)	ND		4.5	ng/L	1	12/22/2022 07:06 AM
Perfluoroundecanoic Acid (PFUnA)	ND		4.5	ng/L	1	12/22/2022 07:06 AM
N-Ethylperfluorooctanesulfonamidoacetic Acid	ND		4.5	ng/L	1	12/22/2022 07:06 AM
N-Methylperfluorooctanesulfonamidoacetic Acid	ND		4.5	ng/L	1	12/22/2022 07:06 AM
Surr: 13C2-FtS 6:2	91.8		50-150	%REC	1	12/22/2022 07:06 AM
Surr: 13C2-FtS 8:2	62.9		50-150	%REC	1	12/22/2022 07:06 AM
Surr: 13C2-PFDA	75.4		50-150	%REC	1	12/22/2022 07:06 AM
Surr: 13C2-PFDoA	66.4		50-150	%REC	1	12/22/2022 07:06 AM
Surr: 13C2-PFHxA	88.9		50-150	%REC	1	12/22/2022 07:06 AM
Surr: 13C2-PFTeA	85.8		50-150	%REC	1	12/22/2022 07:06 AM
Surr: 13C2-PFUnA	73.3		50-150	%REC	1	12/22/2022 07:06 AM
Surr: 13C3-HFPO-DA	51.3		50-150	%REC	1	12/22/2022 07:06 AM
Surr: 13C3-PFBS	89.2		50-150	%REC	1	12/22/2022 07:06 AM
Surr: 13C4-PFBA	81.1		50-150	%REC	1	12/22/2022 07:06 AM
Surr: 13C4-PFHpA	124		50-150	%REC	1	12/22/2022 07:06 AM
Surr: 13C4-PFOA	79.0		50-150	%REC	1	12/22/2022 07:06 AM
Surr: 13C4-PFOS	84.5		50-150	%REC	1	12/22/2022 07:06 AM
Surr: 13C5-PFNA	69.9		50-150	%REC	1	12/22/2022 07:06 AM
Surr: 13C5-PFPeA	85.2		50-150	%REC	1	12/22/2022 07:06 AM
Surr: 13C8-FOSA	80.4		50-150	%REC	1	12/22/2022 07:06 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2211927
Sample ID: MW-13S
Collection Date: 12/14/2022 09:25 AM

Work Order: 22121784
Lab ID: 22121784-06
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 18O2-PFHxS</i>	76.7		50-150	%REC	1	12/22/2022 07:06 AM
<i>Surr: d5-N-EtFOSA</i>	85.7		50-150	%REC	1	12/22/2022 07:06 AM
<i>Surr: d5-N-EtFOSAA</i>	86.2		50-150	%REC	1	12/22/2022 07:06 AM
<i>Surr: d9-N-EtFOSE</i>	80.8		50-150	%REC	1	12/22/2022 07:06 AM
<i>Surr: d3-N-MeFOSA</i>	55.9		50-150	%REC	1	12/22/2022 07:06 AM
<i>Surr: d3-N-MeFOSAA</i>	82.6		50-150	%REC	1	12/22/2022 07:06 AM
<i>Surr: d7-N-MeFOSE</i>	134		50-150	%REC	1	12/22/2022 07:06 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
 Project: R2211927
 Sample ID: MW-13S Dup
 Collection Date: 12/14/2022 09:25 AM

Work Order: 22121784
 Lab ID: 22121784-07
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PFAS BY EPA 537 MODIFIED			E537 MOD	Prep: E537 Mod	12/21/22 17:15	Analyst: ENS
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	ND		4.4	ng/L	1	12/22/2022 07:15 AM
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	ND		4.4	ng/L	1	12/22/2022 07:15 AM
Perfluorobutanesulfonic Acid (PFBS)	ND		4.4	ng/L	1	12/22/2022 07:15 AM
Perfluorobutanoic Acid (PFBA)	ND		4.4	ng/L	1	12/22/2022 07:15 AM
Perfluorodecanesulfonic Acid (PFDS)	ND		4.4	ng/L	1	12/22/2022 07:15 AM
Perfluorodecanoic Acid (PFDA)	ND		4.4	ng/L	1	12/22/2022 07:15 AM
Perfluorododecanoic Acid (PFDoA)	ND		4.4	ng/L	1	12/22/2022 07:15 AM
Perfluoroheptanesulfonic Acid (PFHpS)	ND		4.4	ng/L	1	12/22/2022 07:15 AM
Perfluoroheptanoic Acid (PFHpA)	ND		4.4	ng/L	1	12/22/2022 07:15 AM
Perfluorohexanesulfonic Acid (PFHxS)	ND		4.4	ng/L	1	12/22/2022 07:15 AM
Perfluorohexanoic Acid (PFHxA)	ND		4.4	ng/L	1	12/22/2022 07:15 AM
Perfluorononanoic Acid (PFNA)	ND		4.4	ng/L	1	12/22/2022 07:15 AM
Perfluorooctanesulfonamide (PFOSA)	ND		4.4	ng/L	1	12/22/2022 07:15 AM
Perfluorooctanesulfonic Acid (PFOS)	ND		1.8	ng/L	1	12/22/2022 07:15 AM
Perfluorooctanoic Acid (PFOA)	ND		1.8	ng/L	1	12/22/2022 07:15 AM
Perfluoropentanoic Acid (PFPeA)	ND		4.4	ng/L	1	12/22/2022 07:15 AM
Perfluorotetradecanoic Acid (PFTeA)	ND		4.4	ng/L	1	12/22/2022 07:15 AM
Perfluorotridecanoic Acid (PFTriA)	ND		4.4	ng/L	1	12/22/2022 07:15 AM
Perfluoroundecanoic Acid (PFUnA)	ND		4.4	ng/L	1	12/22/2022 07:15 AM
N-Ethylperfluorooctanesulfonamidoacetic Acid	ND		4.4	ng/L	1	12/22/2022 07:15 AM
N-Methylperfluorooctanesulfonamidoacetic Acid	ND		4.4	ng/L	1	12/22/2022 07:15 AM
Surr: 13C2-FtS 6:2	71.2		50-150	%REC	1	12/22/2022 07:15 AM
Surr: 13C2-FtS 8:2	63.1		50-150	%REC	1	12/22/2022 07:15 AM
Surr: 13C2-PFDA	40.4	S	50-150	%REC	1	12/22/2022 07:15 AM
Surr: 13C2-PFDoA	63.6		50-150	%REC	1	12/22/2022 07:15 AM
Surr: 13C2-PFHxA	49.9	S	50-150	%REC	1	12/22/2022 07:15 AM
Surr: 13C2-PFTeA	84.1		50-150	%REC	1	12/22/2022 07:15 AM
Surr: 13C2-PFUnA	83.5		50-150	%REC	1	12/22/2022 07:15 AM
Surr: 13C3-HFPO-DA	70.8		50-150	%REC	1	12/22/2022 07:15 AM
Surr: 13C3-PFBS	65.5		50-150	%REC	1	12/22/2022 07:15 AM
Surr: 13C4-PFBA	62.0		50-150	%REC	1	12/22/2022 07:15 AM
Surr: 13C4-PFHxA	58.1		50-150	%REC	1	12/22/2022 07:15 AM
Surr: 13C4-PFOA	45.6	S	50-150	%REC	1	12/22/2022 07:15 AM
Surr: 13C4-PFOS	40.9	S	50-150	%REC	1	12/22/2022 07:15 AM
Surr: 13C5-PFNA	46.5	S	50-150	%REC	1	12/22/2022 07:15 AM
Surr: 13C5-PFPeA	65.1		50-150	%REC	1	12/22/2022 07:15 AM
Surr: 13C8-FOSA	73.6		50-150	%REC	1	12/22/2022 07:15 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2211927
Sample ID: MW-13S Dup
Collection Date: 12/14/2022 09:25 AM

Work Order: 22121784
Lab ID: 22121784-07
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 18O2-PFHxS	61.3		50-150	%REC	1	12/22/2022 07:15 AM
Surr: d5-N-EtFOSA	55.2		50-150	%REC	1	12/22/2022 07:15 AM
Surr: d5-N-EtFOSAA	85.5		50-150	%REC	1	12/22/2022 07:15 AM
Surr: d9-N-EtFOSE	69.9		50-150	%REC	1	12/22/2022 07:15 AM
Surr: d3-N-MeFOSA	63.7		50-150	%REC	1	12/22/2022 07:15 AM
Surr: d3-N-MeFOSAA	54.1		50-150	%REC	1	12/22/2022 07:15 AM
Surr: d7-N-MeFOSE	63.6		50-150	%REC	1	12/22/2022 07:15 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2211927
Sample ID: MW-8D
Collection Date: 12/14/2022 10:05 AM

Work Order: 22121784
Lab ID: 22121784-08
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PFAS BY EPA 537 MODIFIED			E537 MOD	Prep: E537 Mod	12/21/22 17:15	Analyst: ENS
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	ND		4.9	ng/L	1	12/22/2022 07:23 AM
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	ND		4.9	ng/L	1	12/22/2022 07:23 AM
Perfluorobutanesulfonic Acid (PFBS)	ND		4.9	ng/L	1	12/22/2022 07:23 AM
Perfluorobutanoic Acid (PFBA)	ND		4.9	ng/L	1	12/22/2022 07:23 AM
Perfluorodecanesulfonic Acid (PFDS)	ND		4.9	ng/L	1	12/22/2022 07:23 AM
Perfluorodecanoic Acid (PFDA)	ND		4.9	ng/L	1	12/22/2022 07:23 AM
Perfluorododecanoic Acid (PFDoA)	ND		4.9	ng/L	1	12/22/2022 07:23 AM
Perfluoroheptanesulfonic Acid (PFHpS)	ND		4.9	ng/L	1	12/22/2022 07:23 AM
Perfluoroheptanoic Acid (PFHpA)	ND		4.9	ng/L	1	12/22/2022 07:23 AM
Perfluorohexanesulfonic Acid (PFHxS)	ND		4.9	ng/L	1	12/22/2022 07:23 AM
Perfluorohexanoic Acid (PFHxA)	ND		4.9	ng/L	1	12/22/2022 07:23 AM
Perfluorononanoic Acid (PFNA)	ND		4.9	ng/L	1	12/22/2022 07:23 AM
Perfluorooctanesulfonamide (PFOSA)	ND		4.9	ng/L	1	12/22/2022 07:23 AM
Perfluorooctanesulfonic Acid (PFOS)	ND		2.0	ng/L	1	12/22/2022 07:23 AM
Perfluorooctanoic Acid (PFOA)	ND		2.0	ng/L	1	12/22/2022 07:23 AM
Perfluoropentanoic Acid (PFPeA)	ND		4.9	ng/L	1	12/22/2022 07:23 AM
Perfluorotetradecanoic Acid (PFTeA)	ND		4.9	ng/L	1	12/22/2022 07:23 AM
Perfluorotridecanoic Acid (PFTriA)	ND		4.9	ng/L	1	12/22/2022 07:23 AM
Perfluoroundecanoic Acid (PFUnA)	ND		4.9	ng/L	1	12/22/2022 07:23 AM
N-Ethylperfluorooctanesulfonamidoacetic Acid	ND		4.9	ng/L	1	12/22/2022 07:23 AM
N-Methylperfluorooctanesulfonamidoacetic Acid	ND		4.9	ng/L	1	12/22/2022 07:23 AM
Surr: 13C2-FtS 6:2	140		50-150	%REC	1	12/22/2022 07:23 AM
Surr: 13C2-FtS 8:2	59.9		50-150	%REC	1	12/22/2022 07:23 AM
Surr: 13C2-PFDA	49.9	S	50-150	%REC	1	12/22/2022 07:23 AM
Surr: 13C2-PFDoA	59.0		50-150	%REC	1	12/22/2022 07:23 AM
Surr: 13C2-PFHxA	65.7		50-150	%REC	1	12/22/2022 07:23 AM
Surr: 13C2-PFTeA	79.9		50-150	%REC	1	12/22/2022 07:23 AM
Surr: 13C2-PFUnA	79.9		50-150	%REC	1	12/22/2022 07:23 AM
Surr: 13C3-HFPO-DA	61.8		50-150	%REC	1	12/22/2022 07:23 AM
Surr: 13C3-PFBS	74.3		50-150	%REC	1	12/22/2022 07:23 AM
Surr: 13C4-PFBA	75.4		50-150	%REC	1	12/22/2022 07:23 AM
Surr: 13C4-PFHxA	92.6		50-150	%REC	1	12/22/2022 07:23 AM
Surr: 13C4-PFOA	57.2		50-150	%REC	1	12/22/2022 07:23 AM
Surr: 13C4-PFOS	61.6		50-150	%REC	1	12/22/2022 07:23 AM
Surr: 13C5-PFNA	52.0		50-150	%REC	1	12/22/2022 07:23 AM
Surr: 13C5-PFPeA	75.9		50-150	%REC	1	12/22/2022 07:23 AM
Surr: 13C8-FOSA	89.8		50-150	%REC	1	12/22/2022 07:23 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2211927
Sample ID: MW-8D
Collection Date: 12/14/2022 10:05 AM

Work Order: 22121784
Lab ID: 22121784-08
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 18O2-PFHxS</i>	82.9		50-150	%REC	1	12/22/2022 07:23 AM
<i>Surr: d5-N-EtFOSA</i>	75.6		50-150	%REC	1	12/22/2022 07:23 AM
<i>Surr: d5-N-EtFOSAA</i>	88.6		50-150	%REC	1	12/22/2022 07:23 AM
<i>Surr: d9-N-EtFOSE</i>	75.1		50-150	%REC	1	12/22/2022 07:23 AM
<i>Surr: d3-N-MeFOSA</i>	67.0		50-150	%REC	1	12/22/2022 07:23 AM
<i>Surr: d3-N-MeFOSAA</i>	59.6		50-150	%REC	1	12/22/2022 07:23 AM
<i>Surr: d7-N-MeFOSE</i>	101		50-150	%REC	1	12/22/2022 07:23 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 30-Dec-22

Client: ALS Environmental
 Work Order: 22121784
 Project: R2211927

QC BATCH REPORT

Batch ID: 208704 Instrument ID LCMS2 Method: E537 Mod

MBLK		Sample ID: MBLK-208704-208704			Units: ng/L		Analysis Date: 12/21/2022 06:01 PM			
Client ID:		Run ID: LCMS2_221221A			SeqNo: 9137562		Prep Date: 12/21/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Fluorotelomer Sulphonic Acid 6:2 (FtS)	ND	5.0								
Fluorotelomer Sulphonic Acid 8:2 (FtS)	ND	5.0								
Perfluorobutanesulfonic Acid (PFBS)	ND	5.0								
Perfluorobutanoic Acid (PFBA)	ND	5.0								
Perfluorodecanesulfonic Acid (PFDS)	ND	5.0								
Perfluorodecanoic Acid (PFDA)	ND	5.0								
Perfluorododecanoic Acid (PFDoA)	ND	5.0								
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.0								
Perfluoroheptanoic Acid (PFHpA)	ND	5.0								
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.0								
Perfluorohexanoic Acid (PFHxA)	ND	5.0								
Perfluorononanoic Acid (PFNA)	ND	5.0								
Perfluorooctanesulfonamide (PFOSA)	ND	5.0								
Perfluorooctanesulfonic Acid (PFOS)	ND	2.0								
Perfluorooctanoic Acid (PFOA)	1.699	2.0								J
Perfluoropentanoic Acid (PFPeA)	ND	5.0								
Perfluorotetradecanoic Acid (PFTeA)	ND	5.0								
Perfluorotridecanoic Acid (PFTriA)	ND	5.0								
Perfluoroundecanoic Acid (PFUnA)	ND	5.0								
N-Ethylperfluorooctanesulfonamidoace	ND	5.0								
N-Methylperfluorooctanesulfonamidoac	0.7744	5.0								J
Surr: 13C2-FtS 6:2	138.6	0	152	0	91.2	50-150	0			
Surr: 13C2-FtS 8:2	88.74	0	153.3	0	57.9	50-150	0			
Surr: 13C2-PFDoA	99.28	0	160	0	62.1	50-150	0			
Surr: 13C2-PFTeA	153.8	0	160	0	96.1	50-150	0			
Surr: 13C2-PFUnA	127.7	0	160	0	79.8	50-150	0			
Surr: 13C3-PFBS	101.4	0	148.8	0	68.1	50-150	0			
Surr: 13C4-PFBA	96.71	0	160	0	60.4	50-150	0			
Surr: 13C4-PFHpA	106.5	0	160	0	66.6	50-150	0			
Surr: 13C4-PFOS	76.7	0	152.8	0	50.2	50-150	0			
Surr: 13C5-PFPeA	107.5	0	160	0	67.2	50-150	0			
Surr: 13C8-FOSA	150.7	0	160	0	94.2	50-150	0			
Surr: 18O2-PFHxS	132.8	0	151.2	0	87.9	50-150	0			
Surr: d5-N-EtFOSA	83.58	0	160	0	52.2	50-150	0			
Surr: d5-N-EtFOSAA	134.6	0	160	0	84.1	50-150	0			
Surr: d9-N-EtFOSE	115	0	160	0	71.9	50-150	0			
Surr: d3-N-MeFOSAA	87.53	0	160	0	54.7	50-150	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
Work Order: 22121784
Project: R2211927

QC BATCH REPORT

Batch ID: **208704** Instrument ID **LCMS2** Method: **E537 Mod**

MBLK		Sample ID: MBLK-208704-208704				Units: ng/L		Analysis Date: 12/23/2022 02:27 AM			
Client ID:		Run ID: LCMS2_221222A		SeqNo: 9144374		Prep Date: 12/21/2022		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Perfluorooctanesulfonic Acid (PFOS)	ND	2.0									
<i>Surr: 13C2-PFDA</i>	<i>134</i>	<i>0</i>	<i>160</i>	<i>0</i>	<i>83.7</i>	<i>50-150</i>	<i>0</i>				
<i>Surr: d7-N-MeFOSE</i>	<i>171</i>	<i>0</i>	<i>160</i>	<i>0</i>	<i>107</i>	<i>50-150</i>	<i>0</i>				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
 Work Order: 22121784
 Project: R2211927

QC BATCH REPORT

Batch ID: 208704 Instrument ID LCMS2 Method: E537 Mod

LCS		Sample ID: LCS-208704-208704			Units: ng/L		Analysis Date: 12/21/2022 06:09 PM			
Client ID:		Run ID: LCMS2_221221A			SeqNo: 9137563		Prep Date: 12/21/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Fluorotelomer Sulphonic Acid 6:2 (FtS)	33.09	5.0	30.3	0	109	63-162	0			
Fluorotelomer Sulphonic Acid 8:2 (FtS)	35.13	5.0	30.7	0	114	61-165	0			
Perfluorobutanesulfonic Acid (PFBS)	28.68	5.0	28.3	0	101	72-130	0			
Perfluorobutanoic Acid (PFBA)	36.99	5.0	32	0	116	73-129	0			
Perfluorodecanoic Acid (PFDA)	36.3	5.0	32	0	113	71-129	0			
Perfluorododecanoic Acid (PFDoA)	35.15	5.0	32	0	110	72-134	0			
Perfluoroheptanesulfonic Acid (PFHpS)	21.66	5.0	30.5	0	71	69-134	0			
Perfluoroheptanoic Acid (PFHpA)	32.76	5.0	32	0	102	72-130	0			
Perfluorohexanesulfonic Acid (PFHxS)	27.34	5.0	29.1	0	94	68-131	0			
Perfluorohexanoic Acid (PFHxA)	39.56	5.0	32	0	124	72-129	0			
Perfluorooctanesulfonamide (PFOSA)	29.15	5.0	32	0	91.1	67-137	0			
Perfluorooctanesulfonic Acid (PFOS)	38.35	2.0	29.7	0	129	65-140	0			
Perfluorooctanoic Acid (PFOA)	37.44	2.0	32	0	117	71-133	0			
Perfluoropentanoic Acid (PFPeA)	33.16	5.0	32	0	104	72-129	0			
Perfluorotetradecanoic Acid (PFTeA)	32.11	5.0	32	0	100	71-132	0			
Perfluorotridecanoic Acid (PFTriA)	21.74	5.0	32	0	67.9	65-144	0			
Perfluoroundecanoic Acid (PFUnA)	30.76	5.0	32	0	96.1	69-133	0			
N-Ethylperfluorooctanesulfonamidoace	40.52	5.0	32	0	127	61-135	0			
N-Methylperfluorooctanesulfonamidoac	40.12	5.0	32	0	125	65-136	0			
Surr: 13C2-FtS 6:2	133	0	152	0	87.5	50-150	0			
Surr: 13C2-FtS 8:2	89.36	0	153.3	0	58.3	50-150	0			
Surr: 13C2-PFDoA	107.3	0	160	0	67.1	50-150	0			
Surr: 13C2-PFHxA	84.42	0	160	0	52.8	50-150	0			
Surr: 13C2-PFTeA	147.5	0	160	0	92.2	50-150	0			
Surr: 13C2-PFUnA	132.3	0	160	0	82.7	50-150	0			
Surr: 13C3-PFBS	98.39	0	148.8	0	66.1	50-150	0			
Surr: 13C4-PFBA	93.42	0	160	0	58.4	50-150	0			
Surr: 13C4-PFHpA	104.7	0	160	0	65.5	50-150	0			
Surr: 13C4-PFOS	83.05	0	152.8	0	54.4	50-150	0			
Surr: 13C5-PFPeA	105.7	0	160	0	66.1	50-150	0			
Surr: 13C8-FOSA	138.7	0	160	0	86.7	50-150	0			
Surr: 18O2-PFHxS	125.6	0	151.2	0	83.1	50-150	0			
Surr: d5-N-EtFOSA	92.71	0	160	0	57.9	50-150	0			
Surr: d5-N-EtFOSAA	140.4	0	160	0	87.8	50-150	0			
Surr: d9-N-EtFOSE	123.5	0	160	0	77.2	50-150	0			
Surr: d3-N-MeFOSAA	88.56	0	160	0	55.4	50-150	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
 Work Order: 22121784
 Project: R2211927

QC BATCH REPORT

Batch ID: 208704 Instrument ID LCMS2 Method: E537 Mod

LCS		Sample ID: LCS-208704-208704				Units: ng/L		Analysis Date: 12/22/2022 01:19 PM			
Client ID:		Run ID: LCMS2_221221A				SeqNo: 9137979		Prep Date: 12/21/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Perfluorononanoic Acid (PFNA)	35.4	5.0	32	0	111	69-130	0				
Surr: 13C3-HFPO-DA	100.6	0	160	0	62.8	50-150	0				
Surr: 13C4-PFOA	91.69	0	160	0	57.3	50-150	0				
Surr: 13C5-PFNA	84.51	0	160	0	52.8	50-150	0				
Surr: d3-N-MeFOSEA	92.11	0	160	0	57.6	50-150	0				

LCS		Sample ID: LCS-208704-208704				Units: ng/L		Analysis Date: 12/23/2022 02:35 AM			
Client ID:		Run ID: LCMS2_221222A				SeqNo: 9144375		Prep Date: 12/21/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Perfluorodecanesulfonic Acid (PFDS)	36.85	5.0	30.8	0	120	53-142	0				
Surr: 13C2-PFDA	80.21	0	160	0	50.1	50-150	0				
Surr: d7-N-MeFOSE	104.5	0	160	0	65.3	50-150	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
 Work Order: 22121784
 Project: R2211927

QC BATCH REPORT

Batch ID: 208704 Instrument ID LCMS2 Method: E537 Mod

MS		Sample ID: 22121148-10A MS				Units: ng/L		Analysis Date: 12/22/2022 05:03 AM			
Client ID:		Run ID: LCMS2_221221A				SeqNo: 9137927		Prep Date: 12/21/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Fluorotelomer Sulphonic Acid 6:2 (FtS)	29.39	4.9	29.9	0	98.3	63-162	0				
Fluorotelomer Sulphonic Acid 8:2 (FtS)	37.08	4.9	30.29	0	122	61-165	0				
Perfluorobutanesulfonic Acid (PFBS)	29.39	4.9	27.92	0	105	72-130	0				
Perfluorobutanoic Acid (PFBA)	36.73	4.9	31.57	0	116	73-129	0				
Perfluorodecanoic Acid (PFDA)	33.42	4.9	31.57	0	106	71-129	0				
Perfluorododecanoic Acid (PFDoA)	34.42	4.9	31.57	0	109	72-134	0				
Perfluoroheptanesulfonic Acid (PFHpS)	28.45	4.9	30.09	0	94.5	69-134	0				
Perfluoroheptanoic Acid (PFHpA)	33.29	4.9	31.57	0	105	72-130	0				
Perfluorohexanesulfonic Acid (PFHxS)	27.51	4.9	28.71	1.708	89.9	68-131	0				
Perfluorohexanoic Acid (PFHxA)	38.55	4.9	31.57	0	122	72-129	0				
Perfluorononanoic Acid (PFNA)	35.86	4.9	31.57	0	114	69-130	0				
Perfluorooctanesulfonamide (PFOSA)	29.71	4.9	31.57	0	94.1	67-137	0				
Perfluorooctanesulfonic Acid (PFOS)	41.3	2.0	29.3	0	141	65-140	0			S	
Perfluorooctanoic Acid (PFOA)	36.79	2.0	31.57	0	117	71-133	0				
Perfluoropentanoic Acid (PFPeA)	35.07	4.9	31.57	0	111	72-129	0				
Perfluorotetradecanoic Acid (PFTeA)	32.85	4.9	31.57	0	104	71-132	0				
Perfluorotridecanoic Acid (PFTriA)	19.51	4.9	31.57	0	61.8	65-144	0			S	
Perfluoroundecanoic Acid (PFUnA)	30.35	4.9	31.57	0	96.1	69-133	0				
N-Ethylperfluorooctanesulfonamidoace	46.01	4.9	31.57	0	146	61-135	0			S	
N-Methylperfluorooctanesulfonamidoac	46.26	4.9	31.57	0	147	65-136	0			S	
Surr: 13C2-FtS 6:2	146.9	0	150	0	98	50-150	0				
Surr: 13C2-PFDoA	93.79	0	157.9	0	59.4	50-150	0				
Surr: 13C2-PFHxA	71.41	0	157.9	0	45.2	50-150	0			S	
Surr: 13C2-PFTeA	132.7	0	157.9	0	84.1	50-150	0				
Surr: 13C2-PFUnA	120.2	0	157.9	0	76.2	50-150	0				
Surr: 13C3-HFPO-DA	78.78	0	157.9	0	49.9	50-150	0			S	
Surr: 13C3-PFBS	76.44	0	146.8	0	52.1	50-150	0				
Surr: 13C4-PFBA	81.69	0	157.9	0	51.7	50-150	0				
Surr: 13C4-PFHpA	79.67	0	157.9	0	50.5	50-150	0				
Surr: 13C8-FOSA	114.8	0	157.9	0	72.7	50-150	0				
Surr: 18O2-PFHxS	100.2	0	149.2	0	67.1	50-150	0				
Surr: d5-N-EtFOSA	74.94	0	157.9	0	47.5	50-150	0			S	
Surr: d5-N-EtFOSAA	118.2	0	157.9	0	74.9	50-150	0				
Surr: d9-N-EtFOSE	93.73	0	157.9	0	59.4	50-150	0				
Surr: d3-N-MeFOSA	90.07	0	157.9	0	57.1	50-150	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
 Work Order: 22121784
 Project: R2211927

QC BATCH REPORT

Batch ID: 208704 Instrument ID LCMS2 Method: E537 Mod

MS		Sample ID: 22121148-10A MS				Units: ng/L		Analysis Date: 12/23/2022 11:29 AM		
Client ID:		Run ID: LCMS2_221223A				SeqNo: 9143868		Prep Date: 12/21/2022		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Perfluorodecanesulfonic Acid (PFDS)	57.98	4.9	30.39	0	191	53-142	0			S
Perfluorodecanoic Acid (PFDA)	32.62	4.9	31.57	0	103	71-129	0			

DUP		Sample ID: 22121148-09A DUP				Units: ng/L		Analysis Date: 12/22/2022 05:11 AM		
Client ID:		Run ID: LCMS2_221221A				SeqNo: 9137928		Prep Date: 12/21/2022		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Fluorotelomer Sulphonic Acid 6:2 (FtS)	ND	5.0	0	0	0	0-0	0	0	30	
Fluorotelomer Sulphonic Acid 8:2 (FtS)	ND	5.0	0	0	0	0-0	0	0	30	
Perfluorobutanesulfonic Acid (PFBS)	2.831	5.0	0	0	0	0-0	2.305	0	30	J
Perfluorobutanoic Acid (PFBA)	42.55	5.0	0	0	0	0-0	36.04	16.6	30	
Perfluorodecanoic Acid (PFDA)	ND	5.0	0	0	0	0-0	0	0	30	
Perfluorododecanoic Acid (PFDoA)	ND	5.0	0	0	0	0-0	0	0	30	
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.0	0	0	0	0-0	0	0	30	
Perfluoroheptanoic Acid (PFHpA)	3.668	5.0	0	0	0	0-0	1.916	0	30	J
Perfluorohexanesulfonic Acid (PFHxS)	3.187	5.0	0	0	0	0-0	3.31	0	30	J
Perfluorononanoic Acid (PFNA)	ND	5.0	0	0	0	0-0	0	0	30	
Perfluorooctanesulfonamide (PFOSA)	ND	5.0	0	0	0	0-0	0	0	30	
Perfluorooctanesulfonic Acid (PFOS)	ND	2.0	0	0	0	0-0	0	0	30	
Perfluorooctanoic Acid (PFOA)	1.826	2.0	0	0	0	0-0	1.18	0	30	J
Perfluoropentanoic Acid (PFPeA)	3.139	5.0	0	0	0	0-0	2.418	0	30	J
Perfluorotetradecanoic Acid (PFTeA)	ND	5.0	0	0	0	0-0	0	0	30	
Perfluorotridecanoic Acid (PFTriA)	ND	5.0	0	0	0	0-0	0	0	30	
Perfluoroundecanoic Acid (PFUnA)	ND	5.0	0	0	0	0-0	0	0	30	
N-Ethylperfluorooctanesulfonamidoace	ND	5.0	0	0	0	0-0	0	0	30	
N-Methylperfluorooctanesulfonamidoac	ND	5.0	0	0	0	0-0	1.119	0	30	
Surr: 13C2-FtS 6:2	154.5	0	152.5	0	101	50-150	162	4.72	30	
Surr: 13C2-PFDoA	109.7	0	160.5	0	68.3	50-150	96.64	12.6	30	
Surr: 13C2-PFHxA	103.3	0	160.5	0	64.4	50-150	102	1.31	30	
Surr: 13C2-PFTeA	130.2	0	160.5	0	81.1	50-150	144.1	10.1	30	
Surr: 13C2-PFUnA	125.6	0	160.5	0	78.3	50-150	109.5	13.7	30	
Surr: 13C3-HFPO-DA	82.42	0	160.5	0	51.4	50-150	101.8	21	30	
Surr: 13C3-PFBS	118	0	149.2	0	79.1	50-150	101.4	15.2	30	
Surr: 13C4-PFBA	112.9	0	160.5	0	70.3	50-150	104	8.14	30	
Surr: 13C4-PFHpA	147.3	0	160.5	0	91.8	50-150	133.4	9.89	30	
Surr: 13C8-FOSA	136	0	160.5	0	84.7	50-150	102.7	27.9	30	
Surr: 18O2-PFHxS	117.4	0	151.6	0	77.4	50-150	121.2	3.17	30	
Surr: d5-N-EtFOSA	134.4	0	160.5	0	83.7	50-150	120.9	10.5	30	
Surr: d5-N-EtFOSAA	132.9	0	160.5	0	82.8	50-150	100.7	27.6	30	
Surr: d9-N-EtFOSE	118.4	0	160.5	0	73.8	50-150	103.8	13.2	30	
Surr: d3-N-MeFOSA	89.69	0	160.5	0	55.9	50-150	86.01	4.19	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
 Work Order: 22121784
 Project: R2211927

QC BATCH REPORT

Batch ID: 208704 Instrument ID LCMS2 Method: E537 Mod

DUP				Sample ID: 22121148-09A DUP		Units: ng/L		Analysis Date: 12/23/2022 11:37 AM			
Client ID:				Run ID: LCMS2_221223A		SeqNo: 9143869		Prep Date: 12/21/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Perfluorodecanesulfonic Acid (PFDS)	ND	5.0	0	0	0	0-0	0	0	30		
Surr: 13C2-FtS 8:2	110.1	0	153.7	0	71.6	50-150	92.88	17	30		
Surr: 13C4-PFOA	168.9	0	160.5	0	105	50-150	92.72	58.2	30	R	
Surr: 13C4-PFOS	143.8	0	153.3	0	93.8	50-150	105.3	30.8	30	R	
Surr: 13C5-PFNA	128.9	0	160.5	0	80.3	50-150	95.39	29.8	30		
Surr: 13C5-PFPeA	128.3	0	160.5	0	80	50-150	106.7	18.4	30		
Surr: d3-N-MeFOSAA	144	0	160.5	0	89.7	50-150	91.67	44.4	30	R	

DUP				Sample ID: 22121148-09A DUP		Units: ng/L		Analysis Date: 12/22/2022 09:29 PM			
Client ID:				Run ID: LCMS2_221222A		SeqNo: 9144314		Prep Date: 12/21/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Perfluorohexanoic Acid (PFHxA)	4.923	5.0	0	0	0	0-0	4.583	0	30	J	
Surr: 13C2-PFDA	59.5	0	160.5	0	37.1	50-150	105.2	55.5	30	SR	
Surr: d7-N-MeFOSE	98.72	0	160.5	0	61.5	50-150	127.5	25.5	30		

The following samples were analyzed in this batch:

22121784-02A	22121784-03A	22121784-04A
22121784-05A	22121784-06A	22121784-07A
22121784-08A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
 Work Order: 22121784
 Project: R2211927

QC BATCH REPORT

Batch ID: 208888 Instrument ID LCMS2 Method: E537 Mod

MBLK		Sample ID: MBLK-208888-208888				Units: ng/L		Analysis Date: 12/28/2022 02:51 PM			
Client ID:		Run ID: LCMS2_221228B				SeqNo: 9152906		Prep Date: 12/27/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Fluorotelomer Sulphonic Acid 6:2 (FtS)	ND	5.0									
Fluorotelomer Sulphonic Acid 8:2 (FtS)	ND	5.0									
Perfluorobutanesulfonic Acid (PFBS)	ND	5.0									
Perfluorobutanoic Acid (PFBA)	ND	5.0									
Perfluorodecanesulfonic Acid (PFDS)	ND	5.0									
Perfluorodecanoic Acid (PFDA)	ND	5.0									
Perfluorododecanoic Acid (PFDoA)	ND	5.0									
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.0									
Perfluoroheptanoic Acid (PFHpA)	ND	5.0									
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.0									
Perfluorohexanoic Acid (PFHxA)	ND	5.0									
Perfluorononanoic Acid (PFNA)	ND	5.0									
Perfluorooctanesulfonamide (PFOSA)	ND	5.0									
Perfluorooctanesulfonic Acid (PFOS)	ND	2.0									
Perfluorooctanoic Acid (PFOA)	1.046	2.0								J	
Perfluoropentanoic Acid (PFPeA)	ND	5.0									
Perfluorotetradecanoic Acid (PFTeA)	ND	5.0									
Perfluorotridecanoic Acid (PFTriA)	ND	5.0									
Perfluoroundecanoic Acid (PFUnA)	ND	5.0									
N-Ethylperfluorooctanesulfonamidoace	ND	5.0									
N-Methylperfluorooctanesulfonamidoac	0.6656	5.0								J	
Surr: 13C2-FtS 6:2	148.9	0	152	0	97.9	50-150		0			
Surr: 13C2-FtS 8:2	112.6	0	153.3	0	73.5	50-150		0			
Surr: 13C2-PFDA	102.6	0	160	0	64.1	50-150		0			
Surr: 13C2-PFDoA	118	0	160	0	73.8	50-150		0			
Surr: 13C2-PFHxA	129.9	0	160	0	81.2	50-150		0			
Surr: 13C2-PFTeA	129.3	0	160	0	80.8	50-150		0			
Surr: 13C2-PFUnA	153.2	0	160	0	95.7	50-150		0			
Surr: 13C3-HFPO-DA	84.51	0	160	0	52.8	50-150		0			
Surr: 13C3-PFBS	109.4	0	148.8	0	73.5	50-150		0			
Surr: 13C4-PFBA	122.7	0	160	0	76.7	50-150		0			
Surr: 13C4-PFHpA	145.9	0	160	0	91.2	50-150		0			
Surr: 13C4-PFOA	106	0	160	0	66.3	50-150		0			
Surr: 13C4-PFOS	117.8	0	152.8	0	77.1	50-150		0			
Surr: 13C5-PFNA	98.1	0	160	0	61.3	50-150		0			
Surr: 13C5-PFPeA	114.6	0	160	0	71.6	50-150		0			
Surr: 13C8-FOSA	138.2	0	160	0	86.4	50-150		0			
Surr: 18O2-PFHxS	135.5	0	151.2	0	89.6	50-150		0			
Surr: d5-N-EtFOSA	106.1	0	160	0	66.3	50-150		0			
Surr: d5-N-EtFOSAA	145.7	0	160	0	91	50-150		0			
Surr: d9-N-EtFOSE	103.7	0	160	0	64.8	50-150		0			
Surr: d3-N-MeFOSA	91.35	0	160	0	57.1	50-150		0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
Work Order: 22121784
Project: R2211927

QC BATCH REPORT

Batch ID: 208888	Instrument ID LCMS2	Method: E537 Mod						
<i>Surr: d3-N-MeFOSAA</i>	<i>100.4</i>	<i>0</i>	<i>160</i>	<i>0</i>	<i>62.7</i>	<i>50-150</i>	<i>0</i>	
<i>Surr: d7-N-MeFOSE</i>	<i>134.1</i>	<i>0</i>	<i>160</i>	<i>0</i>	<i>83.8</i>	<i>50-150</i>	<i>0</i>	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
 Work Order: 22121784
 Project: R2211927

QC BATCH REPORT

Batch ID: 208888 Instrument ID LCMS2 Method: E537 Mod

LCS		Sample ID: LCS-208888-208888				Units: ng/L		Analysis Date: 12/28/2022 02:59 PM			
Client ID:		Run ID: LCMS2_221228B				SeqNo: 9152907		Prep Date: 12/27/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Fluorotelomer Sulphonic Acid 6:2 (FtS)	46.87	5.0	30.3	0	155	63-162	0				
Fluorotelomer Sulphonic Acid 8:2 (FtS)	31.19	5.0	30.7	0	102	61-165	0				
Perfluorobutanesulfonic Acid (PFBS)	28.49	5.0	28.3	0	101	72-130	0				
Perfluorobutanoic Acid (PFBA)	35.27	5.0	32	0	110	73-129	0				
Perfluorodecanesulfonic Acid (PFDS)	39.23	5.0	30.8	0	127	53-142	0				
Perfluorodecanoic Acid (PFDA)	34.1	5.0	32	0	107	71-129	0				
Perfluorododecanoic Acid (PFDoA)	33.32	5.0	32	0	104	72-134	0				
Perfluoroheptanesulfonic Acid (PFHpS)	21.95	5.0	30.5	0	72	69-134	0				
Perfluoroheptanoic Acid (PFHpA)	36.02	5.0	32	0	113	72-130	0				
Perfluorohexanesulfonic Acid (PFHxS)	37.44	5.0	29.1	0	129	68-131	0				
Perfluorohexanoic Acid (PFHxA)	35.2	5.0	32	0	110	72-129	0				
Perfluorononanoic Acid (PFNA)	35.14	5.0	32	0	110	69-130	0				
Perfluorooctanesulfonamide (FOSA)	28.41	5.0	32	0	88.8	67-137	0				
Perfluorooctanesulfonic Acid (PFOS)	34.79	2.0	29.7	0	117	65-140	0				
Perfluorooctanoic Acid (PFOA)	33.9	2.0	32	0	106	71-133	0				
Perfluoropentanoic Acid (PFPeA)	33.46	5.0	32	0	105	72-129	0				
Perfluorotetradecanoic Acid (PFTeA)	32.87	5.0	32	0	103	71-132	0				
Perfluorotridecanoic Acid (PFTriA)	28.79	5.0	32	0	90	65-144	0				
Perfluoroundecanoic Acid (PFUnA)	30.69	5.0	32	0	95.9	69-133	0				
N-Methylperfluorooctanesulfonamidoac	38.28	5.0	32	0	120	65-136	0				
Surr: 13C2-FtS 6:2	149.7	0	152	0	98.5	50-150	0				
Surr: 13C2-FtS 8:2	114.3	0	153.3	0	74.5	50-150	0				
Surr: 13C2-PFDA	133.4	0	160	0	83.4	50-150	0				
Surr: 13C2-PFDoA	125.8	0	160	0	78.6	50-150	0				
Surr: 13C2-PFHxA	156.8	0	160	0	98	50-150	0				
Surr: 13C2-PFTeA	146.9	0	160	0	91.8	50-150	0				
Surr: 13C2-PFUnA	157.5	0	160	0	98.4	50-150	0				
Surr: 13C3-HFPO-DA	94.76	0	160	0	59.2	50-150	0				
Surr: 13C3-PFBS	136	0	148.8	0	91.4	50-150	0				
Surr: 13C4-PFBA	143.3	0	160	0	89.5	50-150	0				
Surr: 13C4-PFHpA	197.4	0	160	0	123	50-150	0				
Surr: 13C4-PFOA	146.2	0	160	0	91.4	50-150	0				
Surr: 13C4-PFOS	150.1	0	152.8	0	98.2	50-150	0				
Surr: 13C5-PFNA	127.3	0	160	0	79.6	50-150	0				
Surr: 13C5-PFPeA	138.1	0	160	0	86.3	50-150	0				
Surr: 13C8-FOSA	143.9	0	160	0	89.9	50-150	0				
Surr: 18O2-PFHxS	143.3	0	151.2	0	94.8	50-150	0				
Surr: d5-N-EtFOSA	124.6	0	160	0	77.9	50-150	0				
Surr: d5-N-EtFOSAA	160.1	0	160	0	100	50-150	0				
Surr: d9-N-EtFOSE	115.7	0	160	0	72.3	50-150	0				
Surr: d3-N-MeFOSA	99.35	0	160	0	62.1	50-150	0				
Surr: d3-N-MeFOSAA	122.7	0	160	0	76.7	50-150	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
Work Order: 22121784
Project: R2211927

QC BATCH REPORT

Batch ID: **208888** Instrument ID **LCMS2** Method: **E537 Mod**

Surr: d7-N-MeFOSE 165.7 0 160 0 104 50-150 0

LCS	Sample ID: LCS-208888-208888	Units: ng/L		Analysis Date: 12/28/2022 09:43 PM						
Client ID:	Run ID: LCMS2_221228B	SeqNo: 9152947		Prep Date: 12/27/2022		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
N-Ethylperfluorooctanesulfonamidoace	37.67	5.0	32	0	118	61-135	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
 Work Order: 22121784
 Project: R2211927

QC BATCH REPORT

Batch ID: 208888 Instrument ID LCMS2 Method: E537 Mod

MS		Sample ID: 22121784-01AMS				Units: ng/L		Analysis Date: 12/28/2022 03:57 PM			
Client ID: MW-16		Run ID: LCMS2_221228B				SeqNo: 9152913		Prep Date: 12/27/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Fluorotelomer Sulphonic Acid 6:2 (FtS)	34.38	4.5	27.25	0	126	63-162	0				
Fluorotelomer Sulphonic Acid 8:2 (FtS)	27.47	4.5	27.61	0	99.5	61-165	0				
Perfluorobutanesulfonic Acid (PFBS)	28.49	4.5	25.45	0.7031	109	72-130	0				
Perfluorobutanoic Acid (PFBA)	36.71	4.5	28.77	2.704	118	73-129	0				
Perfluorodecanesulfonic Acid (PFDS)	56.44	4.5	27.7	0	204	53-142	0			S	
Perfluorodecanoic Acid (PFDA)	31.69	4.5	28.77	0	110	71-129	0				
Perfluorododecanoic Acid (PFDoA)	31.69	4.5	28.77	0.5713	108	72-134	0				
Perfluoroheptanoic Acid (PFHpA)	32.25	4.5	28.77	0.6065	110	72-130	0				
Perfluorohexanesulfonic Acid (PFHxS)	23.85	4.5	26.17	0.8262	88	68-131	0				
Perfluorohexanoic Acid (PFHxA)	30.95	4.5	28.77	0.876	105	72-129	0				
Perfluorononanoic Acid (PFNA)	31.34	4.5	28.77	0	109	69-130	0				
Perfluorooctanesulfonamide (PFOSA)	29.21	4.5	28.77	0	102	67-137	0				
Perfluorooctanesulfonic Acid (PFOS)	34.78	1.8	26.71	0	130	65-140	0				
Perfluorooctanoic Acid (PFOA)	32.39	1.8	28.77	1.075	109	71-133	0				
Perfluoropentanoic Acid (PFPeA)	33.95	4.5	28.77	0.6211	116	72-129	0				
Perfluorotetradecanoic Acid (PFTeA)	33.45	4.5	28.77	0	116	71-132	0				
Perfluoroundecanoic Acid (PFUnA)	25.09	4.5	28.77	0	87.2	69-133	0				
N-Ethylperfluorooctanesulfonamidoace	42.73	4.5	28.77	0	149	61-135	0			S	
N-Methylperfluorooctanesulfonamidoac	38.45	4.5	28.77	0.457	132	65-136	0				
Surr: 13C2-FtS 6:2	131.3	0	136.7	0	96.1	50-150	0				
Surr: 13C2-FtS 8:2	88.21	0	137.8	0	64	50-150	0				
Surr: 13C2-PFDA	67.87	0	143.9	0	47.2	50-150	0			S	
Surr: 13C2-PFDoA	101.6	0	143.9	0	70.6	50-150	0				
Surr: 13C2-PFHxA	88.52	0	143.9	0	61.5	50-150	0				
Surr: 13C2-PFTeA	112.6	0	143.9	0	78.3	50-150	0				
Surr: 13C2-PFUnA	127.5	0	143.9	0	88.6	50-150	0				
Surr: 13C3-HFPO-DA	81.58	0	143.9	0	56.7	50-150	0				
Surr: 13C3-PFBS	84.28	0	133.8	0	63	50-150	0				
Surr: 13C4-PFBA	105.3	0	143.9	0	73.2	50-150	0				
Surr: 13C4-PFHxA	100.8	0	143.9	0	70.1	50-150	0				
Surr: 13C4-PFOA	73.48	0	143.9	0	51.1	50-150	0				
Surr: 13C4-PFOS	77.78	0	137.4	0	56.6	50-150	0				
Surr: 13C5-PFNA	76.2	0	143.9	0	53	50-150	0				
Surr: 13C5-PFPeA	90.68	0	143.9	0	63	50-150	0				
Surr: 13C8-FOSA	112.3	0	143.9	0	78.1	50-150	0				
Surr: 18O2-PFHxS	126.5	0	136	0	93.1	50-150	0				
Surr: d5-N-EtFOSA	72.94	0	143.9	0	50.7	50-150	0				
Surr: d5-N-EtFOSAA	130.9	0	143.9	0	91	50-150	0				
Surr: d9-N-EtFOSE	85.12	0	143.9	0	59.2	50-150	0				
Surr: d3-N-MeFOSA	86.83	0	143.9	0	60.3	50-150	0				
Surr: d3-N-MeFOSAA	82.75	0	143.9	0	57.5	50-150	0				
Surr: d7-N-MeFOSE	82.35	0	143.9	0	57.2	50-150	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
Work Order: 22121784
Project: R2211927

QC BATCH REPORT

Batch ID: **208888** Instrument ID **LCMS2** Method: **E537 Mod**

MS		Sample ID: 22121784-01AMS			Units: ng/L		Analysis Date: 12/29/2022 10:02 PM			
Client ID: MW-16		Run ID: LCMS2_221229A			SeqNo: 9157934		Prep Date: 12/27/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Perfluoroheptanesulfonic Acid (PFHpS)	22.23	4.5	27.43	0	81	69-134	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
 Work Order: 22121784
 Project: R2211927

QC BATCH REPORT

Batch ID: 208888 Instrument ID LCMS2 Method: E537 Mod

MSD		Sample ID: 22121784-01AMSD				Units: ng/L		Analysis Date: 12/28/2022 04:05 PM			
Client ID: MW-16		Run ID: LCMS2_221228B				SeqNo: 9152914		Prep Date: 12/27/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Fluorotelomer Sulphonic Acid 6:2 (FtS)	36.66	4.6	28.02	0	131	63-162	34.38	6.41	30		
Fluorotelomer Sulphonic Acid 8:2 (FtS)	38.12	4.6	28.39	0	134	61-165	27.47	32.5	30	R	
Perfluorobutanesulfonic Acid (PFBS)	29.02	4.6	26.17	0.7031	108	72-130	28.49	1.83	30		
Perfluorobutanoic Acid (PFBA)	39.05	4.6	29.6	2.704	123	73-129	36.71	6.17	30		
Perfluorodecanesulfonic Acid (PFDS)	49.64	4.6	28.49	0	174	53-142	56.44	12.8	30	S	
Perfluorodecanoic Acid (PFDA)	34.07	4.6	29.6	0	115	71-129	31.69	7.24	30		
Perfluorododecanoic Acid (PFDoA)	33.08	4.6	29.6	0.5713	110	72-134	31.69	4.29	30		
Perfluoroheptanoic Acid (PFHpA)	33.98	4.6	29.6	0.6065	113	72-130	32.25	5.23	30		
Perfluorohexanesulfonic Acid (PFHxS)	33.06	4.6	26.91	0.8262	120	68-131	23.85	32.4	30	R	
Perfluorohexanoic Acid (PFHxA)	33.9	4.6	29.6	0.876	112	72-129	30.95	9.1	30		
Perfluorononanoic Acid (PFNA)	32.95	4.6	29.6	0	111	69-130	31.34	4.99	30		
Perfluorooctanesulfonamide (PFOSA)	28.89	4.6	29.6	0	97.6	67-137	29.21	1.11	30		
Perfluorooctanesulfonic Acid (PFOS)	34.16	1.8	27.47	0	124	65-140	34.78	1.8	30		
Perfluorooctanoic Acid (PFOA)	33.69	1.8	29.6	1.075	110	71-133	32.39	3.91	30		
Perfluoropentanoic Acid (PFPeA)	35.28	4.6	29.6	0.6211	117	72-129	33.95	3.85	30		
Perfluorotetradecanoic Acid (PFTeA)	32.43	4.6	29.6	0	110	71-132	33.45	3.08	30		
Perfluoroundecanoic Acid (PFUnA)	28.96	4.6	29.6	0	97.9	69-133	25.09	14.3	30		
N-Ethylperfluorooctanesulfonamidoace	41.92	4.6	29.6	0	142	61-135	42.73	1.93	30	S	
N-Methylperfluorooctanesulfonamidoac	37.36	4.6	29.6	0.457	125	65-136	38.45	2.89	30		
Surr: 13C2-FtS 6:2	153.3	0	140.6	0	109	50-150	131.3	15.4	30		
Surr: 13C2-FtS 8:2	94	0	141.8	0	66.3	50-150	88.21	6.35	30		
Surr: 13C2-PFDA	89.74	0	148	0	60.6	50-150	67.87	27.8	30		
Surr: 13C2-PFDoA	112.6	0	148	0	76.1	50-150	101.6	10.3	30		
Surr: 13C2-PFHxA	113.3	0	148	0	76.6	50-150	88.52	24.5	30		
Surr: 13C2-PFTeA	130.4	0	148	0	88.1	50-150	112.6	14.7	30		
Surr: 13C2-PFUnA	138.2	0	148	0	93.4	50-150	127.5	8	30		
Surr: 13C3-HFPO-DA	84.48	0	148	0	57.1	50-150	81.58	3.49	30		
Surr: 13C3-PFBS	102.5	0	137.6	0	74.5	50-150	84.28	19.5	30		
Surr: 13C4-PFBA	126.5	0	148	0	85.5	50-150	105.3	18.3	30		
Surr: 13C4-PFHpA	132.9	0	148	0	89.8	50-150	100.8	27.4	30		
Surr: 13C4-PFOA	91.67	0	148	0	61.9	50-150	73.48	22	30		
Surr: 13C4-PFOS	104.2	0	141.3	0	73.7	50-150	77.78	29	30		
Surr: 13C5-PFNA	87.25	0	148	0	59	50-150	76.2	13.5	30		
Surr: 13C5-PFPeA	108.5	0	148	0	73.3	50-150	90.68	17.8	30		
Surr: 13C8-FOSA	134.9	0	148	0	91.1	50-150	112.3	18.2	30		
Surr: 18O2-PFHxS	132.3	0	139.8	0	94.6	50-150	126.5	4.46	30		
Surr: d5-N-EtFOSA	92.16	0	148	0	62.3	50-150	72.94	23.3	30		
Surr: d5-N-EtFOSAA	145.6	0	148	0	98.4	50-150	130.9	10.6	30		
Surr: d9-N-EtFOSE	99.34	0	148	0	67.1	50-150	85.12	15.4	30		
Surr: d3-N-MeFOSA	91.88	0	148	0	62.1	50-150	86.83	5.65	30		
Surr: d3-N-MeFOSAA	103	0	148	0	69.6	50-150	82.75	21.8	30		
Surr: d7-N-MeFOSE	109.5	0	148	0	74	50-150	82.35	28.3	30		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
Work Order: 22121784
Project: R2211927

QC BATCH REPORT

Batch ID: **208888** Instrument ID **LCMS2** Method: **E537 Mod**

MSD		Sample ID: 22121784-01AMSD			Units: ng/L		Analysis Date: 12/29/2022 10:11 PM			
Client ID: MW-16		Run ID: LCMS2_221229A			SeqNo: 9157935		Prep Date: 12/27/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Perfluoroheptanesulfonic Acid (PFHpS)	31.22	4.6	28.21	0	111	69-134	22.23	33.7	30	R

The following samples were analyzed in this batch:

22121784-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 15 of 15

ALS Contact: Nicole Mansen

Project Number: R2211927
 Project Manager: Nicole Mansen
 QAP: LAB QAP

Lab Code	Sample ID	# of Cont.	Matrix	Sample			Lab ID	PFAS PFC/537M
				Date	Time	Lab ID		
R2211927-001	MW-16	4	Water	12/13/22	0940	Holland ALS	X	
R2211927-002	MW-4D	2	Water	12/13/22	1100	Holland ALS	X	
R2211927-003	MW-3S	2	Water	12/13/22	1140	Holland ALS	X	
R2211927-004	Equipment Blank #1	2	Water	12/13/22	1145	Holland ALS	X	
R2211927-005	Equipment Blank #2	2	Water	12/14/22	0920	Holland ALS	X	
R2211927-006	MW-13S	2	Water	12/14/22	0925	Holland ALS	X	
R2211927-007	MW-13S DUP	2	Water	12/14/22	0925	Holland ALS	X	
R2211927-008	MW-8D	2	Water	12/14/22	1005	Holland ALS	X	

Test Comments: *MRLL*
 PFAS - PFC/537M R2211927-001,2,3,4,5,6,7,8 NY List of 21
 Run QC on sample R2211927-001 for PFC/537M/PFAS



Special Instructions/Comments NPDES H - Test is On Hold P - Test is Authorized for Prep Only	Turnaround Requirements _____ RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 _____ STANDARD Requested FAX Date: _____ Requested Report Date: 12/30/22	Report Requirements _____ I. Results Only <input checked="" type="checkbox"/> II. Results + QC Summaries _____ III. Results + QC and Calibration Summaries <input checked="" type="checkbox"/> IV. Data Validation Report with Raw Data PQL/MDL/J <u> N </u> EDD <u> Y </u>	Invoice Information PO# 58R2211927 Bill to
---	--	---	---

Reinquished By: *Andy K. Rabe 1/2/23* Received By: *[Signature]* 12-20-22 1400 35 QPJS
 Airbill Number: _____ Page 1

R2211927



Ship To: Holland ALS
ALS Laboratory Group
3352 128th Avenue
Holland, MI 49424

PC SMO Date 12/14/22
SMO hml Date 12/19

Instructions:

Ice
Dry Ice
No Ice
Bill to Client Account

Shipping:

Overnight
2nd Day
Ground

Comments:

Sample Receipt Checklist

Client Name: **ALS - ROCHESTER**

Date/Time Received: **20-Dec-22 14:00**

Work Order: **22121784**

Received by: **JD**

Checklist completed by Jason Dlinger 20-Dec-22
 eSignature Date

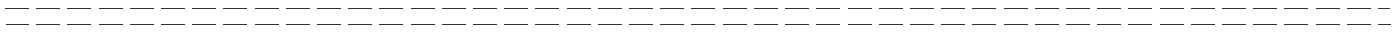
Reviewed by: Chelsey Cook 21-Dec-22
 eSignature Date

Matrices: **Water**

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample(s) received on ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<input type="text" value="3.3/4.3 c"/>		<input type="text" value="ir3"/>
Cooler(s)/Kit(s):	<input type="text"/>		
Date/Time sample(s) sent to storage:	<input type="text" value="12/20/2022 4:33:20 PM"/>		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:	<input type="text"/>		

Login Notes:



Client Contacted: _____ Date Contacted: _____ Person Contacted: _____

Contacted By: _____ Regarding: _____

Comments:

CorrectiveAction:

Appendix C

**TORREY LANDFILL
YATES COUNTY
PAGE INDEX**

	FIELD/ INORGANIC PARAMETERS	TOTAL METALS	DISSOLVED METALS	ORGANIC COMPOUNDS (DETECTED)
Monitoring Wells				
MW-1S	2-3	4-5	6-7	8-10
MW-3S	12-13	14-15	16-17	18-20
MW-4S	22-23	24-25	26-27	28-30
MW-5S	32-33	34-35	36-37	38-40
MW-12M	42-43	44-45	46-47	48-50
MW-13S	52-53	54-55	56-57	58-60
MW-15	62-63	64-65	66-67	68-70
MW-16	72-73	74-75	76-77	78-80
MW-17S	82-83	84-85	86-87	88-90
PZ-2	92-93	94-95	96-97	98-100
PZ-3	102-103	104-105	106-107	108-110
PW-1	112-113	114-115	116-117	118-120
PW-5	122-123	124-125	126-127	128-130
PW-8	132-133	134-135	136-137	138-140
PW-10	142-143	144-145	146-147	148-150
MW-4D	152-153	154-155	156-157	158-160
MW-8D	162-163	164-165	166-167	168-170
MW-12D	172-173	174-175	176-177	178-180
Surface Waters				
SW-1	182-183	184-185	--	186-188
SW-2	190-191	192-193	--	194-196

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP. (deg. F)	Eh (mV)	DISS OX (mg/L)	pH (Std Units)	SP. COND. (US/cm)	TURB. (NTU)	COLOR (Pt/Cl)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	6.5-8.5	-	-	-	-	-	500	250	250
TRIGGER VALUES	64	389	176	10.4	5152	136	67	1501	1000	2783	1162	142
<i>Monitoring Well MW-1S</i>												
4-Jun-99	50.86	14.5	0.18	7.40	636	74.9	ND	332	381	428	10.1	62.6
8-Dec-99	51.14	2.9	96.20	7.73	456	13.9	5	330	393	428	8.9	66.2
4-Apr-00	50.10	84.6	8.77	7.47	654	21.0	10	340	426	430	9.2	68.4
21-Sep-00	52.54	-63.8	33.31	7.82	659	11.1	20	330	383	436	10.0	66.5
20-Jun-01	51.70	-110.2	-38.80	7.95	639	889.0	15	332	398	435	9.3	64.7
9-Jan-02	46.90	-	-	7.83	910	13.0	-	335	390	421	9.7	58.4
5-Jun-02	52.50	1198	1.13	7.24	5.59	47.0	-	325	390	433	9.7	65.6
10-Dec-02	50.50	-95.0	1.57	7.30	449	62.2	10	330	400	418	11.7	64.9
24-Jun-03	52.45	-64.3	-3.24	7.19	710	48.2	10	331	450	424	9.1	60.9
11-Dec-03	49.80	-	0.52	7.65	722	0.3	-	340	430	418	10.6	60.4
21-Jun-04	60.08	83.0	-	7.35	830	852.0	20	470	838	439	8.5	65.8
7-Dec-04	51.08	23.0	-	6.56	756	16.3	-	335	385	431	10.1	66.8
23-Jun-05	53.42	5.0	-	8.01	718	3.6	-	345	380	439	9.0	57.6
6-Dec-05	48.92	10.0	-	7.55	710	5.9	10	330	479	429	8.6	58.5
20-Jun-06	57.02	116.0	-	8.02	740	37.8	10	328	408	442	10.0	61.1
5-Dec-06	44.78	-23.0	-	7.63	741	8.1	-	337	387	421	9.0	54.8
26-Jun-07	59.90	-21.0	-	7.71	743	84.0	-	338	393	432	12.4	78.7
11-Dec-07	48.02	50.0	-	7.59	680	10.1	5	344	800	436	9.0	59.6
19-Jun-08	64.94	99.0	-	7.55	705	22.8	< 5	339	462	442	7.9	51.3
9-Dec-08	42.98	28.0	-	7.72	700	10.7	-	348	410	427	9.0	59.6
9-Jun-09	65.48	-29.0	-	7.32	717	5.8	-	339	393	427	8.8	62.0
8-Dec-09	50.18	-3.0	-	7.37	731	6.1	< 5	340	456	421	9.1	60.7
8-Jun-10	54.14	-14.0	-	7.17	757	7.9	5	340	440	436	9.8	61.2
6-Dec-10	42.80	93.0	-	7.40	728	21.1	-	330	398	418	9.8	58.8
8-Jun-11	56.30	144.0	-	7.42	721	8.9	-	329	402	444	7.7	59.1
13-Dec-11	51.08	25.0	-	7.24	717	22.5	4	340	536	423	8.7	58.7
20-Jun-12	58.46	-66.0	-	7.55	722	19.8	4	326	462	428	8.6	61.0
12-Dec-12	49.28	51.0	-	7.23	700	37.3	-	362	500	421	8.4	56.9
18-Jun-13	50.36	88.0	-	7.23	722	18.3	-	345	391	422	7.4	59.7
12-Dec-13	44.24	74.0	-	7.51	721	18.4	14	341	510	420	7.5	57.4
16-Jun-14	53.96	121.0	-	7.23	729	23.0	6	350	402	421	7.0	63.5
9-Dec-14	48.74	84.0	-	7.83	705	29.9	-	346	420	406	7.1	55.7
17-Jun-15	52.88	164.0	-	7.45	719	15.5	-	350	420	194	8.4	59.2
16-Dec-15	50.54	39.0	-	7.51	700	9.0	13	350	382	417	6.7	57.9
22-Jun-16	53.06	181.0	-	7.48	710	8.2	15	346	392	457	6.3	62.4
15-Dec-16	47.48	44.0	-	7.62	703	5.3	29	346	413	421	7.0	55.5
20-Jun-17	50.36	9.0	-	7.30	724	7.3	-	354	398	438	6.2	58.7
13-Dec-17	49.46	-1.0	-	7.37	704	8.4	-	337	414	431	6.0	51.3
19-Jun-18	52.88	121.0	-	7.45	767	9.9	16	360	398	448	6.2	70.6
12-Dec-18	51.62	106.0	-	7.20	720	8.7	-	326	393	431	5.5	50.6
18-Jun-19	48.74	114.0	-	7.48	789	7.5	-	331	442	502	6.3	89.8
19-Dec-19	48.02	15.0	-	7.36	709	8.8	17	335	447	435	6.5	48.8
23-Jun-20	51.26	61.0	-	7.36	715	11.5	11	336	393	453	6.0	52.3
8-Dec-20	50.00	93.0	-	7.52	711	33.6	-	324	499	411	5.4	46.6
25-Jun-21	51.08	-50.0	-	7.44	717	10.6	-	354	389	419	6.2	48.6
21-Dec-21	52.88	132.0	-	7.19	730	12.3	15	357	395	418	5.8	48.9
23-Jun-22	50.54	-22.0	-	8.12	120.1	180.1	3	362	373	421	5.6	47.5
13-Dec-22	51.26	160.0	-	7.14	704	36.5	-	358	418	404	4.8	42.1

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS											
GROUNDWATER UPPER AQUIFER	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	2	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	2.3	0.9	0.01	2.8	66	71	127.7	37.98	39.6	0.0053	-
<i>Monitoring Well MW-1S</i>											
4-Jun-99	ND	ND	ND	0.79	0.16	0.600	6.06	2.64	1.52	ND	ND
8-Dec-99	ND	ND	ND	ND	0.21	0.330	ND	ND	1.01	ND	ND
4-Apr-00	ND	ND	ND	ND	0.18	ND	ND	ND	1.12	ND	ND
21-Sep-00	ND	ND	ND	ND	0.26	0.266	6.23	ND	ND	ND	ND
20-Jun-01	ND	ND	ND	ND	0.27	0.270	ND	2.53	1.66	ND	ND
9-Jan-02	ND	-	-	ND	0.24	0.313	ND	ND	1.20	ND	-
5-Jun-02	ND	-	-	ND	0.23	0.285	7.40	ND	1.44	ND	-
10-Dec-02	ND	ND	ND	ND	0.18	0.257	ND	ND	1.24	ND	ND
24-Jun-03	ND	ND	ND	ND	0.28	1.560	7.00	ND	1.65	ND	ND
11-Dec-03	ND	-	-	0.70	0.24	0.548	5.34	2.04	1.26	ND	-
21-Jun-04	< 1.0	-	-	-	0.21	0.300	-	-	1.42	-	-
7-Dec-04	< 1.0	-	-	< 0.50	0.22	0.423	6.76	< 2.00	1.25	< 0.005	-
23-Jun-05	< 1.0	-	-	< 0.50	0.09	0.326	< 5.00	< 2.00	< 1.00	< 0.005	-
6-Dec-05	< 1.0	< 0.10	< 0.01	< 0.50	0.17	0.417	< 5.00	< 2.00	< 1.00	< 0.005	< 0.010
20-Jun-06	< 1.0	< 0.20	< 0.01	< 0.50	0.39	2.090	9.25	3.00	3.04	< 0.005	< 0.010
5-Dec-06	< 1.0	-	-	0.50	0.27	0.566	< 5.00	< 2.00	1.66	< 0.005	-
26-Jun-07	< 1.0	-	-	0.60	0.17	0.826	< 5.00	2.93	1.40	< 0.005	-
11-Dec-07	< 1.0	< 0.20	< 0.01	< 0.50	0.20	0.493	< 5.00	< 2.00	1.46	< 0.005	< 0.010
19-Jun-08	< 1.0	< 0.20	< 0.01	< 0.50	0.20	0.566	< 5.00	3.27	1.51	< 0.005	< 0.010
9-Dec-08	< 1.0	-	-	0.69	0.21	0.552	< 5.00	< 2.00	1.45	< 0.005	-
9-Jun-09	< 1.0	-	-	< 0.50	0.34	2.190	10.30	11.80	3.70	< 0.005	-
8-Dec-09	< 1.0	< 0.20	< 0.01	< 0.50	0.21	0.520	< 5.00	< 2.00	2.50	< 0.005	< 0.010
8-Jun-10	< 1.0	< 0.20	< 0.01	< 0.50	0.16	0.720	< 5.00	2.30	3.10	< 0.005	< 0.010
6-Dec-10	< 1.0	-	-	< 1.00	0.21	0.490	< 5.00	2.50	1.40	< 0.005	-
8-Jun-11	< 1.0	-	-	< 1.00	0.13	0.260	< 5.00	< 2.00	1.20	< 0.005	-
13-Dec-11	< 1.0	< 0.20	< 0.01	< 1.00	0.19	0.300	10.00	< 2.00	1.50	< 0.005	< 0.010
20-Jun-12	< 1.0	< 0.20	< 0.01	< 1.00	0.20	0.580	15.30	< 2.00	1.30	< 0.005	< 0.010
12-Dec-12	< 1.0	-	-	< 1.00	0.30	0.430	5.10	< 2.00	1.20	< 0.005	-
18-Jun-13	< 1.0	-	-	< 1.00	0.17	0.560	< 5.00	5.00	< 1.00	< 0.005	-
12-Dec-13	< 1.0	< 0.20	< 0.01	< 1.00	0.21	0.510	< 5.00	3.30	< 1.40	< 0.005	-
16-Jun-14	< 1.0	< 0.20	< 0.01	< 1.00	0.19	0.310	< 5.00	< 2.00	1.30	< 0.005	< 0.010
9-Dec-14	< 1.0	-	-	< 1.00	0.15	0.270	< 5.00	< 2.00	< 1.00	< 0.005	-
17-Jun-15	< 1.0	-	-	< 1.00	0.23	0.410	< 5.00	< 2.00	1.10	< 0.005	-
16-Dec-15	< 1.0	< 0.20	< 0.01	< 1.00	0.14	0.350	13.40	< 2.00	2.60	< 0.005	< 0.010
22-Jun-16	< 1.0	< 0.20	< 0.01	< 1.00	0.13	0.370	< 5.00	< 2.00	< 1.00	< 0.005	< 0.010
15-Dec-16	< 1.0	< 0.20	< 0.01	< 1.00	0.14	0.330	< 5.00	< 2.00	1.20	< 0.005	< 0.010
20-Jun-17	< 1.0	-	-	< 1.00	0.22	0.460	< 5.00	< 2.00	< 1.00	< 0.005	-
13-Dec-17	< 1.0	-	-	< 1.00	0.35	0.430	< 5.00	< 2.00	1.10	< 0.005	-
19-Jun-18	< 1.0	< 0.20	< 0.01	< 1.00	0.12	0.390	< 5.00	< 2.00	6.90	< 0.005	< 0.010
12-Dec-18	< 1.0	-	-	< 1.00	0.22	0.320	< 5.00	< 2.00	1.20	< 0.005	-
18-Jun-19	< 1.0	-	-	< 1.00	0.05	0.370	5.10	4.40	2.60	< 0.005	-
19-Dec-19	< 1.0	< 0.20	< 0.01	< 1.00	0.21	0.590	< 5.00	< 2.00	1.70	< 0.005	< 0.010
23-Jun-20	< 1.0	0.02	< 0.01	< 1.00	0.23	0.470	< 5.00	< 2.00	1.10	< 0.005	< 0.005
8-Dec-20	< 1.0	-	-	< 1.00	0.22	0.570	< 5.00	< 2.00	< 1.00	< 0.005	-
25-Jun-21	< 1.0	-	-	< 1.00	0.22	0.480	< 5.00	3.20	1.60	< 0.005	-
21-Dec-21	< 1.0	< 0.20	< 0.01	< 1.00	0.34	0.590	< 5.00	< 2.00	1.20	< 0.005	< 0.005
23-Jun-22	< 1.0	< 0.20	< 0.01	< 1.00	0.23	0.470	< 5.00	< 2.00	< 1.00	< 0.005	< 0.005
13-Dec-22	< 1.0	-	-	< 1.00	0.22	0.980	< 5.00	< 2.00	< 1.00	< 0.005	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS											
GROUNDWATER UPPER AQUIFER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1.0	0.003	0.005	-	0.05	0.005	0.2	0.30
TRIGGER VALUES	3.9	-	0.033	3.0	-	-	199.6	0.02	-	-	34.3
<i>Monitoring Well MW-1S</i>											
4-Jun-99	0.448	ND	ND	0.248	ND	ND	90.4	ND	ND	ND	4.4
8-Dec-99	0.481	ND	ND	0.244	ND	ND	100.0	ND	ND	ND	3.5
4-Apr-00	ND	ND	ND	0.212	ND	ND	88.6	ND	ND	ND	1.1
21-Sep-00	ND	ND	ND	0.202	ND	ND	86.2	ND	ND	ND	1.7
20-Jun-01	0.355	ND	ND	0.314	ND	ND	81.0	ND	ND	ND	14.4
9-Jan-02	-	-	-	-	-	ND	89.9	-	-	-	1.7
5-Jun-02	-	-	-	-	-	ND	87.3	-	-	-	1.9
10-Dec-02	ND	ND	ND	0.214	ND	ND	90.0	ND	ND	ND	1.4
24-Jun-03	ND	ND	ND	0.287	ND	ND	88.3	ND	ND	ND	8.6
11-Dec-03	-	-	-	-	-	ND	107.0	-	-	-	63.3
21-Jun-04	30.700	-	-	0.799	-	-	166.0	0.047	-	0.026	44.8
7-Dec-04	-	-	-	-	-	< 0.005	99.0	-	-	-	1.5
23-Jun-05	-	-	-	-	-	< 0.005	94.7	-	-	-	0.7
6-Dec-05	3.110	< 0.060	< 0.009	0.276	< 0.005	< 0.005	96.4	< 0.010	< 0.010	< 0.010	4.3
20-Jun-06	0.373	< 0.060	< 0.010	0.240	< 0.005	< 0.005	93.9	< 0.010	< 0.050	< 0.020	2.9
5-Dec-06	-	-	-	-	-	< 0.005	96.2	-	-	-	2.0
26-Jun-07	-	-	-	-	-	< 0.005	96.2	-	-	-	1.2
11-Dec-07	10.500	< 0.060	< 0.010	0.340	< 0.005	< 0.005	113.0	0.014	< 0.050	< 0.020	12.3
19-Jun-08	0.478	< 0.060	< 0.010	0.227	< 0.005	< 0.005	88.0	< 0.010	< 0.050	0.020	1.5
9-Dec-08	-	-	-	-	-	< 0.005	91.1	-	-	-	1.1
9-Jun-09	-	-	-	-	-	< 0.005	93.6	-	-	-	2.3
8-Dec-09	0.340	< 0.060	< 0.010	0.222	< 0.005	< 0.005	92.5	< 0.010	< 0.050	0.020	0.6
8-Jun-10	0.770	< 0.060	< 0.010	0.239	< 0.005	< 0.005	90.1	< 0.010	< 0.050	0.020	2.4
6-Dec-10	-	-	-	-	-	< 0.005	94.0	-	-	-	1.2
8-Jun-11	-	-	-	-	-	< 0.005	100.0	-	-	-	4.3
13-Dec-11	1.180	< 0.060	< 0.010	0.243	< 0.005	< 0.005	93.2	< 0.010	< 0.050	< 0.020	2.2
20-Jun-12	0.950	< 0.060	< 0.010	0.260	< 0.005	< 0.005	95.7	< 0.010	< 0.050	< 0.020	2.7
12-Dec-12	-	-	-	-	-	< 0.005	120.0	-	-	-	3.0
18-Jun-13	-	-	-	-	-	< 0.005	92.3	-	-	-	1.4
12-Dec-13	0.490	< 0.060	< 0.010	0.260	< 0.003	< 0.005	87.9	< 0.010	< 0.050	< 0.020	1.1
16-Jun-14	0.390	< 0.060	< 0.010	0.217	< 0.003	< 0.005	94.7	< 0.010	< 0.050	< 0.020	0.7
9-Dec-14	-	-	-	-	-	< 0.005	93.8	-	-	-	1.5
17-Jun-15	-	-	-	-	-	< 0.005	91.3	-	-	-	0.5
16-Dec-15	0.228	< 0.060	< 0.010	0.211	< 0.003	< 0.005	92.7	< 0.010	< 0.050	< 0.020	0.7
22-Jun-16	0.220	< 0.060	< 0.010	0.210	< 0.003	< 0.005	95.8	< 0.010	< 0.050	< 0.020	0.6
15-Dec-16	4.790	< 0.060	< 0.010	0.295	< 0.003	< 0.005	97.2	< 0.010	< 0.050	< 0.020	7.1
20-Jun-17	-	-	-	-	-	< 0.005	94.7	-	-	-	0.8
13-Dec-17	-	-	-	-	-	< 0.005	97.7	-	-	-	1.3
19-Jun-18	1.600	< 0.060	< 0.010	0.225	< 0.003	< 0.005	92.4	< 0.010	< 0.050	< 0.020	1.7
12-Dec-18	-	-	-	-	-	< 0.005	92.9	-	-	-	1.0
18-Jun-19	-	-	-	-	-	< 0.005	103.0	-	-	-	3.0
19-Dec-19	5.280	< 0.060	< 0.010	0.283	< 0.003	< 0.005	108.0	< 0.010	< 0.050	< 0.020	7.2
23-Jun-20	0.238	< 0.060	< 0.010	0.220	< 0.003	< 0.005	93.0	< 0.010	< 0.050	< 0.020	0.7
8-Dec-20	-	-	-	-	-	< 0.005	122.0	-	-	-	13.5
25-Jun-21	-	-	-	-	-	< 0.005	92.4	-	-	-	2.2
21-Dec-21	0.210	< 0.060	< 0.010	0.227	< 0.003	< 0.005	94.2	< 0.010	< 0.050	< 0.020	1.1
23-Jun-22	0.102	< 0.060	< 0.010	0.223	< 0.003	< 0.005	88.4	< 0.010	< 0.050	< 0.020	2.2
13-Dec-22	-	-	-	-	-	< 0.005	100.0	-	-	-	3.8

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS												
GROUNDWATER UPPER AQUIFER	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	0.0005	0.014	2
TRIGGER VALUES	0.007	147	1.5	-	0.08	59	911.6	0.013	-	-	-	0.06
<i>Monitoring Well</i> MW-1S												
4-Jun-99	ND	34.8	0.087	ND	ND	ND	10.2	ND	ND	ND	ND	ND
8-Dec-99	ND	40.1	0.101	ND	ND	ND	11.5	ND	ND	ND	ND	ND
4-Apr-00	ND	36.8	0.083	ND	ND	ND	11.2	ND	ND	ND	ND	ND
21-Sep-00	ND	35.7	0.086	ND	ND	ND	11.4	0.007	ND	ND	ND	0.066
20-Jun-01	ND	32.7	0.093	ND	ND	ND	8.9	ND	ND	ND	ND	ND
9-Jan-02	ND	36.6	0.073	-	-	ND	10.3	-	-	-	-	-
5-Jun-02	ND	35.1	0.079	-	-	ND	9.9	-	-	-	-	-
10-Dec-02	ND	37.0	0.084	ND	ND	ND	11.1	ND	ND	ND	ND	ND
24-Jun-03	ND	36.2	0.085	ND	ND	ND	9.8	ND	ND	ND	ND	ND
11-Dec-03	0.011	41.0	0.235	-	-	3.06	11.2	-	-	-	-	-
21-Jun-04	0.030	63.0	0.807	-	0.040	10.80	14.3	-	-	-	0.056	0.083
7-Dec-04	< 0.005	38.5	0.107	-	-	< 2.00	11.2	-	-	-	-	-
23-Jun-05	< 0.005	41.6	0.190	-	-	< 2.00	11.5	-	-	-	-	-
6-Dec-05	< 0.005	38.5	0.160	< 0.0003	< 0.040	2.15	10.5	< 0.005	< 0.010	< 0.006	< 0.010	< 0.020
20-Jun-06	< 0.005	39.0	0.118	< 0.0003	< 0.040	< 2.00	10.9	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
5-Dec-06	< 0.005	39.1	0.130	-	-	< 2.00	10.8	-	-	-	-	-
26-Jun-07	< 0.005	38.3	0.121	-	-	< 2.00	11.0	-	-	-	-	-
11-Dec-07	0.007	46.3	0.315	< 0.0003	< 0.040	4.84	11.0	< 0.010	< 0.010	< 0.010	< 0.050	0.041
19-Jun-08	< 0.005	36.6	0.085	< 0.0003	< 0.040	< 2.00	10.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
9-Dec-08	< 0.005	38.3	0.091	-	-	< 2.00	9.6	-	-	-	-	-
9-Jun-09	< 0.005	38.6	0.109	-	-	< 2.00	9.6	-	-	-	-	-
8-Dec-09	< 0.005	40.2	0.090	< 0.0003	< 0.040	< 2.00	10.3	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Jun-10	< 0.005	38.5	0.089	< 0.0003	< 0.040	< 2.00	10.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
6-Dec-10	< 0.005	38.3	0.088	-	-	< 2.00	11.2	-	-	-	-	-
8-Jun-11	< 0.005	41.3	0.185	-	-	2.80	10.7	-	-	-	-	-
13-Dec-11	< 0.005	39.6	0.110	< 0.0002	< 0.040	< 2.00	10.9	< 0.010	< 0.010	< 0.010	< 0.050	0.026
20-Jun-12	< 0.005	40.0	0.108	< 0.0002	< 0.040	< 2.00	11.3	< 0.010	< 0.010	< 0.010	< 0.050	0.033
12-Dec-12	< 0.005	47.6	0.214	-	-	< 2.00	12.1	-	-	-	-	-
18-Jun-13	< 0.005	40.3	0.100	-	-	< 2.00	10.9	-	-	-	-	-
12-Dec-13	< 0.005	38.1	0.083	< 0.0002	< 0.040	< 2.00	10.6	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
16-Jun-14	< 0.005	41.1	0.092	< 0.0002	< 0.040	< 2.00	12.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
9-Dec-14	< 0.005	39.9	0.095	-	-	< 2.00	10.5	-	-	-	-	-
17-Jun-15	< 0.005	38.5	0.084	-	-	< 2.00	10.6	-	-	-	-	-
16-Dec-15	< 0.005	36.6	0.080	< 0.0002	< 0.040	< 2.00	10.5	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
22-Jun-16	< 0.005	37.2	0.080	< 0.0002	< 0.040	< 2.00	16.5	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
15-Dec-16	< 0.005	41.3	0.175	< 0.0002	< 0.040	3.00	10.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
20-Jun-17	< 0.005	39.2	0.089	-	-	< 2.00	13.1	-	-	-	-	-
13-Dec-17	< 0.005	41.3	0.100	-	-	< 2.00	13.1	-	-	-	-	-
19-Jun-18	< 0.005	40.7	0.085	< 0.0002	< 0.040	2.28	21.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
12-Dec-18	< 0.005	39.0	0.093	-	-	< 2.00	12.5	-	-	-	-	-
18-Jun-19	< 0.005	44.6	0.140	-	-	3.30	33.2	-	-	-	-	-
19-Dec-19	< 0.005	42.8	0.227	< 0.0002	< 0.040	3.30	11.1	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
23-Jun-20	< 0.005	38.9	0.085	< 0.0002	< 0.040	1.76	15.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Dec-20	< 0.005	47.6	0.322	-	-	4.70	11.4	-	-	-	-	-
25-Jun-21	< 0.005	38.3	0.092	-	-	< 2.00	10.2	-	-	-	-	-
21-Dec-21	< 0.005	38.8	0.088	< 0.0002	< 0.040	< 2.00	12.4	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
23-Jun-22	< 0.005	37.0	0.097	< 0.0002	< 0.040	< 2.00	10.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
13-Dec-22	< 0.005	40.9	0.142	-	-	2.40	11.0	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1.0	0.003	0.005	-	0.05	0.005	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-1S											
4-Jun-99	-	-	-	-	-	-	-	-	-	-	-
8-Dec-99	-	-	-	-	-	-	-	-	-	-	-
4-Apr-00	-	-	-	-	-	-	-	-	-	-	-
21-Sep-00	-	-	-	-	-	-	-	-	-	-	-
20-Jun-01	-	-	-	-	-	-	-	-	-	-	-
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-
10-Dec-02	-	-	-	-	-	-	-	-	-	-	-
24-Jun-03	-	-	-	-	-	-	-	-	-	-	-
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-
21-Jun-04	-	-	-	0.185	-	-	92.8	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-
9-Dec-08	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	-	-	-	-	-	-	-	-	-	-	-
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-
20-Jun-12	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	-	-	-	-	-	-	-	-	-	-	-
16-Jun-14	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-
15-Dec-16	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	Tl	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	0	0.014	2.0
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-1S												
4-Jun-99	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
4-Apr-00	-	-	-	-	-	-	-	-	-	-	-	-
21-Sep-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-01	-	-	-	-	-	-	-	-	-	-	-	-
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-02	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-03	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-04	-	38.9	0.132	-	-	-	14.0	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-12	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-14	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-16	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											
	Acetone (ug/l)	Benzene (ug/l)	Bromo- dichloro- methane (ug/l)	Bromo- form (ug/l)	Bromo- methane (ug/l)	2-Butanone (MEK) (ug/l)	Carbon Disulfide (ug/l)	Carbon- Tetra- chloride (ug/l)	Chloro- benzene (ug/l)	Chloro- ethane (ug/l)	Chloro- form (ug/l)	Chloro- methane (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	1	50	50	5	50	60	5	5	5	7	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-1S</i>												
4-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-06	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
5-Dec-06	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
19-Jun-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Dec-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Jun-09	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-09	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Jun-10	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
16-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
16-Dec-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
15-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)												
	Dibromo-chloro-methane (ug/l)	Dichloro-difluoro-methane (ug/l)	1,1-Dichloro-ethane (ug/l)	1,2-Dichloro-ethane (ug/l)	1,1-Dichloro-ethene (ug/l)	Cis-1,2-Dichloro-ethene (ug/l)	Trans-1,2-Dichloro-ethene (ug/l)	1,2-Dichloro-propane (ug/l)	Cis-1,3-Dichloro-propene (ug/l)	Trans-1,3-Dichloro-propene (ug/l)	Ethyl-benzene (ug/l)	2-Hexanone (ug/l)	Methylene-Chloride (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	5	5	0.6	5	5	5	1	0.4	0.4	5	50	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-1S</i>													
4-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-06	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
5-Dec-06	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
19-Jun-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Dec-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Jun-09	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0
8-Dec-09	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Jun-10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
16-Jun-14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Dec-14	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
17-Jun-15	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
16-Dec-15	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
22-Jun-16	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
15-Dec-16	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-20	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-22	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											SUM OF ORGANIC COMPOUNDS (DETECTED)
	4-Methyl-2-Pentanone (ug/l)	Styrene (ug/l)	1,1,2,2-Tetrachloroethane (ug/l)	Tetra-chloro-ethene (ug/l)	Toluene (ug/l)	1,1,1-Trichloro-ethane (ug/l)	1,1,2-Trichloro-ethane (ug/l)	Trichloro-ethene (ug/l)	Vinyl Chloride (ug/l)	O-Xylene (ug/l)	M & P-Xylene (ug/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
<i>Monitoring Well MW-1S</i>												
4-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
8-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
4-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
21-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
20-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
24-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-04	-	-	-	-	-	-	-	-	-	-	-	0
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
5-Dec-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
19-Jun-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Dec-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Jun-09	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-09	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Jun-10	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
16-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
16-Dec-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
15-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
23-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP. (deg. F)	Eh (mV)	DISS OX (mg/L)	pH (Std Units)	SP. COND. (US/cm)	TURB. (NTU)	COLOR (Pt/Cl)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	6.5 -- 8.5	-	-	-	-	-	500	250	250
TRIGGER VALUES	64	389	176	10.4	5152	136	67	1501	1000	2783	1162	142
<i>Monitoring Well MW-3S</i>												
4-Jun-99	53.78	114.8	-3.49	7.45	834	13.8	ND	536	574	586	8.84	60.1
8-Dec-99	51.52	194.9	18.26	7.62	941	118.3	15	574	-	-	7.25	68.5
4-Apr-00	51.14	154.6	27.79	7.68	875	159.0	-	504	580	56	6.95	69.0
20-Jun-01	53.40	-100.2	-12.80	7.49	884	59.1	ND	529	538	577	6.91	59.5
9-Jan-02	49.64	-	-	7.06	1055	18.7	-	590	614	641	6.80	80.8
6-Jun-02	52.20	2.7	7.22	7.25	752	64.3	-	511	529	555	7.90	59.9
10-Dec-02	50.30	43.0	4.33	7.22	675	174.0	5	591	640	629	6.75	75.2
24-Jun-03	59.23	401.7	-3.42	7.23	931	0.1	ND	472	390	479	7.25	48.1
12-Dec-03	48.74	-	8.23	7.37	668	0.4	5	548	548	568	6.48	52.2
22-Jun-04	55.76	195.0	-	9.06	620	945.0	5	-	535	521	6.69	47.6
7-Dec-04	50.90	129.0	-	6.86	991	73.0	-	560	520	586	6.89	56.9
23-Jun-05	55.90	16.0	-	7.57	923	14.6	-	515	510	546	6.97	49.4
6-Dec-05	44.60	6.0	-	8.31	972	10.3	10	535	1300	556	6.44	60.8
20-Jun-06	56.66	22.0	-	7.53	940	42.1	5	512	1050	633	6.62	50.0
5-Dec-06	45.32	-34.0	-	7.53	1192	15.9	-	516	545	628	7.38	55.6
26-Jun-07	60.26	965.0	-	7.75	120.1	285.0	-	540	619	562	10.50	45.6
11-Dec-07	46.94	49.0	-	7.56	859	48.9	< 5	562	1040	610	5.34	61.2
19-Jun-08	60.26	96.0	-	7.55	918	67.7	< 5	498	642	550	5.42	45.5
9-Dec-08	43.16	184.0	-	7.34	980	13.2	-	574	593	600	5.96	60.0
9-Jun-09	66.56	1.0	-	7.49	929	9.6	-	500	510	540	6.60	54.0
8-Dec-09	49.28	25.0	-	7.45	1006	3.7	5	560	620	558	6.70	60.2
8-Jun-10	57.38	-36.0	-	7.67	974	12.5	< 5	510	598	558	7.70	57.3
8-Dec-10	40.28	103.0	-	7.48	966	14.4	-	520	584	558	7.80	59.2
10-Jun-11	57.56	20.0	-	7.49	845	9.2	-	440	460	518	7.40	56.5
13-Dec-11	50.00	98.0	-	7.30	932	8.3	6	536	531	562	7.20	58.9
20-Jun-12	61.16	69.0	-	7.53	907	9.0	7	480	531	520	7.30	57.8
12-Dec-12	50.36	111.0	-	7.29	980	18.2	-	564	658	586	6.40	62.2
18-Jun-13	53.06	55.0	-	7.44	912	10.5	-	490	500	519	6.50	59.0
12-Dec-13	44.06	64.0	-	7.51	968	4.7	11	524	510	558	5.90	58.3
16-Jun-14	53.24	81.0	-	7.38	842	8.4	9	484	536	488	6.00	58.5
8-Dec-14	48.74	99.0	-	7.60	948	9.6	-	538	575	563	5.50	59.3
17-Jun-15	56.30	-155.0	-	7.55	840	4.8	-	480	500	503	7.20	56.3
16-Dec-15	50.18	-16.0	-	7.54	930	4.1	12	538	515	553	5.00	60.2
22-Jun-16	56.30	153.0	-	7.48	870	6.0	40	480	514	530	5.00	50.3
15-Dec-16	46.22	146.0	-	7.64	768	11.1	23	457	471	533	5.70	55.3
20-Jun-17	52.16	33.0	-	7.65	829	6.8	-	442	473	493	5.10	53.1
13-Dec-17	48.56	23.0	-	7.48	843	9.9	-	466	564	495	5.10	53.9
19-Jun-18	55.04	102.0	-	7.56	869	7.1	13	457	483	479	5.10	51.0
12-Dec-18	50.18	9.0	-	7.29	668	11.7	-	421	380	431	4.60	42.7
18-Jun-19	53.42	90.0	-	7.54	775	18.4	-	410	462	447	4.90	47.9
19-Dec-19	46.94	151.0	-	7.33	949	17.6	12	481	565	566	5.20	55.5
23-Jun-20	55.76	65.0	-	7.45	858	54.3	21	460	524	528	5.30	49.3
8-Dec-20	50.00	95.0	-	7.35	1004	20.7	-	494	621	574	4.40	57.6
25-Jun-21	53.42	-113.0	-	7.34	899	5.3	-	494	487	510	5.10	50.9
21-Dec-21	51.26	134.0	-	7.24	930	15.4	12	486	503	509	4.90	49.2
23-Jun-22	54.14	126.0	-	7.62	909	5.1	1	496	498	530	4.60	52.4
13-Dec-22	50.90	119.0	-	7.02	973	4.3	-	548	547	541	3.90	49.9

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	INORGANIC PARAMETERS										
	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	2	1	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	2.3	0.9	0.01	2.8	66	71	128	37.98	39.6	0.0053	-
<i>Monitoring Well MW-3S</i>											
4-Jun-99	ND	ND	ND	2.57	ND	0.369	ND	ND	1.89	ND	ND
8-Dec-99	ND	-	ND	0.79	0.06	ND	ND	-	1.22	-	ND
4-Apr-00	ND	ND	-	0.90	ND	ND	ND	-	1.25	-	-
20-Jun-01	ND	ND	ND	0.72	ND	ND	ND	ND	1.32	ND	ND
9-Jan-02	ND	-	-	ND	ND	ND	ND	ND	1.19	ND	-
6-Jun-02	ND	-	-	0.94	ND	ND	5.70	ND	1.50	ND	-
10-Dec-02	ND	ND	ND	0.57	ND	ND	ND	ND	1.16	ND	ND
24-Jun-03	ND	ND	0.03	0.60	0.30	0.569	ND	ND	1.64	ND	ND
12-Dec-03	ND	ND	0.02	1.09	ND	ND	ND	ND	1.45	ND	ND
22-Jun-04	-	-	-	0.92	-	1.830	-	-	3.18	-	-
7-Dec-04	< 1.00	-	-	0.62	< 0.05	0.270	< 5	< 2	1.26	< 0.005	-
23-Jun-05	< 1.00	-	-	0.61	< 0.05	0.317	< 5.00	< 2.00	1.38	< 0.005	-
6-Dec-05	< 1.00	< 0.10	< 0.01	0.77	< 0.05	2.460	< 5.00	< 2.00	1.38	< 0.005	< 0.010
20-Jun-06	< 1.00	< 0.20	< 0.01	0.99	< 0.05	1.780	< 5.00	< 2.00	1.71	< 0.005	< 0.010
5-Dec-06	< 1.00	-	-	0.99	< 0.05	1.910	< 5.00	< 2.00	1.43	< 0.005	-
26-Jun-07	< 1.00	-	-	0.88	0.34	1.990	< 5.00	< 2.00	1.62	< 0.005	-
11-Dec-07	< 1.00	< 0.20	< 0.01	0.53	< 0.05	1.240	13.80	< 2.00	1.84	< 0.005	< 0.010
19-Jun-08	< 1.00	< 0.20	< 0.01	< 0.50	< 0.05	0.621	< 5.00	< 2.00	1.40	< 0.005	< 0.010
9-Dec-08	< 1.00	-	-	0.90	< 0.05	0.497	< 5.00	< 2.00	< 2.00	< 0.005	-
9-Jun-09	< 1.00	-	-	0.80	< 0.05	< 0.200	< 5.00	< 2.00	2.50	< 0.005	-
8-Dec-09	< 1.00	< 0.20	< 0.02	0.99	0.06	1.120	< 5.00	< 2.00	2.30	< 0.005	< 0.010
8-Jun-10	< 1.00	< 0.20	< 0.01	1.05	< 0.05	0.580	5.10	< 2.00	1.80	< 0.005	< 0.010
8-Dec-10	< 1.00	-	-	< 1.00	< 0.05	0.310	< 5.00	2.10	1.70	< 0.005	-
10-Jun-11	< 1.00	-	-	1.10	< 0.05	1.110	13.60	< 2.00	1.50	< 0.005	-
13-Dec-11	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	1.40	< 0.005	< 0.010
20-Jun-12	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	1.30	< 0.005	< 0.010
12-Dec-12	< 1.00	-	-	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	1.80	< 0.005	-
18-Jun-13	< 1.00	-	-	< 1.00	0.13	0.340	< 5.00	< 2.00	1.40	< 0.005	-
12-Dec-13	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	1.80	< 0.005	< 0.010
16-Jun-14	< 1.00	< 0.20	< 0.01	< 1.00	0.05	< 0.200	9.80	< 2.00	1.60	< 0.005	< 0.010
8-Dec-14	< 1.00	-	-	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	< 1.00	< 0.005	-
17-Jun-15	< 1.00	-	-	< 1.00	0.25	0.550	< 5.00	< 2.00	2.10	0.009	-
16-Dec-15	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	14.90	< 2.00	2.60	< 0.005	< 0.010
22-Jun-16	< 1.00	< 0.20	< 0.01	< 1.00	0.11	0.410	< 5.00	< 2.00	1.20	< 0.005	< 0.010
15-Dec-16	< 1.00	< 0.20	< 0.01	1.10	< 0.05	0.310	< 5.00	< 2.00	1.30	< 0.005	< 0.010
20-Jun-17	< 1.00	-	-	< 1.00	< 0.05	0.630	10.80	< 2.00	1.00	< 0.005	-
13-Dec-17	< 1.00	-	-	< 1.00	< 0.05	0.260	5.10	< 2.00	1.30	< 0.005	-
19-Jun-18	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.260	< 5.0	< 2.00	8.30	< 0.005	< 0.010
12-Dec-18	< 1.00	-	-	< 1.00	0.09	< 0.200	< 5.00	< 2.00	2.00	< 0.005	-
18-Jun-19	< 1.00	-	-	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	1.70	< 0.005	-
19-Dec-19	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.280	< 5.0	< 2.00	2.10	< 0.005	< 0.005
23-Jun-20	< 1.00	0.09	< 0.01	< 1.00	0.16	1.570	7.40	< 2.00	1.30	< 0.005	< 0.005
8-Dec-20	< 1.00	-	-	< 1.00	< 0.05	0.420	< 5.00	< 2.00	1.30	< 0.005	-
25-Jun-21	< 1.00	-	-	< 1.00	0.08	0.320	5.60	< 2.00	2.10	< 0.005	-
21-Dec-21	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.210	< 5.00	< 2.00	1.20	< 0.005	< 0.005
23-Jun-22	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	< 1.00	< 0.005	< 0.005
13-Dec-22	< 1.00	-	-	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	< 1.00	< 0.005	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS											
GROUNDWATER UPPER AQUIFER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.30
TRIGGER VALUES	3.9	-	0.033	3.0	-	-	199.6	0.02	-	-	34.3
<i>Monitoring Well</i> MW-3S											
4-Jun-99	3.070	ND	ND	0.125	ND	ND	68.6	0.011	ND	ND	3.5
8-Dec-99	-	-	-	-	-	-	-	-	-	-	-
4-Apr-00	2.920	ND	ND	0.106	ND	ND	65.2	ND	ND	ND	4.7
20-Jun-01	1.340	ND	ND	0.078	ND	ND	55.8	0.011	ND	ND	1.6
9-Jan-02	-	-	-	-	-	ND	69.1	-	-	-	1.0
6-Jun-02	-	-	-	-	-	ND	60.5	-	-	-	0.6
10-Dec-02	1.440	ND	ND	0.092	ND	ND	69.4	ND	ND	ND	1.2
24-Jun-03	ND	ND	ND	0.065	ND	ND	47.6	0.030	ND	ND	ND
12-Dec-03	0.546	ND	ND	0.093	ND	ND	61.1	ND	ND	ND	0.5
22-Jun-04	13.700	-	-	0.137	-	-	65.5	0.028	-	-	12.0
7-Dec-04	-	-	-	-	-	< 0.005	63.1	-	-	-	0.3
23-Jun-05	-	-	-	-	-	< 0.005	59.2	-	-	-	0.7
6-Dec-05	0.990	< 0.060	0.008	0.075	< 0.005	< 0.005	56.7	< 0.010	< 0.010	< 0.010	0.9
20-Jun-06	17.400	< 0.060	< 0.010	0.167	< 0.005	< 0.005	86.6	0.026	< 0.050	< 0.020	16.6
5-Dec-06	-	-	-	-	-	< 0.005	75.9	-	-	-	10.0
26-Jun-07	-	-	-	-	-	< 0.005	93.2	-	-	-	17.8
11-Dec-07	4.800	< 0.060	< 0.010	0.094	< 0.005	< 0.005	67.2	0.010	< 0.050	< 0.020	3.9
19-Jun-08	0.638	< 0.060	< 0.010	0.054	< 0.005	< 0.005	50.3	< 0.010	< 0.050	< 0.020	0.5
9-Dec-08	-	-	-	-	-	< 0.005	65.4	-	-	-	1.9
9-Jun-09	-	-	-	-	-	< 0.005	57.1	-	-	-	0.7
8-Dec-09	0.480	< 0.060	< 0.010	0.072	< 0.005	< 0.005	59.9	< 0.010	< 0.050	< 0.020	0.4
8-Jun-10	1.350	< 0.060	< 0.010	0.072	< 0.005	< 0.005	60.2	< 0.010	< 0.050	< 0.020	1.3
8-Dec-10	-	-	-	-	-	< 0.005	60.0	-	-	-	4.3
10-Jun-11	-	-	-	-	-	< 0.005	43.7	-	-	-	0.3
13-Dec-11	0.830	< 0.060	< 0.010	0.069	< 0.005	< 0.005	58.8	< 0.010	< 0.050	< 0.020	0.8
20-Jun-12	0.490	< 0.060	< 0.010	0.071	< 0.005	< 0.005	60.7	< 0.010	< 0.050	< 0.020	0.5
12-Dec-12	-	-	-	-	-	< 0.005	63.5	-	-	-	0.2
18-Jun-13	-	-	-	-	-	< 0.005	45.8	-	-	-	0.4
12-Dec-13	0.270	< 0.060	< 0.010	0.070	< 0.003	< 0.005	55.8	< 0.010	< 0.050	< 0.020	0.2
16-Jun-14	0.400	< 0.060	< 0.010	0.057	< 0.003	< 0.005	52.6	< 0.010	< 0.050	< 0.020	0.4
8-Dec-14	-	-	-	-	-	< 0.005	61.4	-	-	-	0.3
17-Jun-15	-	-	-	-	-	< 0.005	50.3	-	-	-	0.1
16-Dec-15	0.226	< 0.060	< 0.010	0.069	< 0.003	< 0.005	62.1	< 0.010	< 0.050	< 0.020	0.3
22-Jun-16	0.170	< 0.060	< 0.010	0.061	< 0.003	< 0.005	61.1	< 0.010	< 0.050	< 0.020	0.2
15-Dec-16	0.810	< 0.060	< 0.010	0.066	< 0.003	< 0.005	50.9	< 0.010	< 0.050	< 0.020	0.7
20-Jun-17	-	-	-	-	-	< 0.005	45.5	-	-	-	0.4
13-Dec-17	-	-	-	-	-	< 0.005	63.9	-	-	-	0.7
19-Jun-18	0.461	< 0.060	< 0.010	0.054	< 0.003	< 0.005	46.5	< 0.010	< 0.050	< 0.020	0.4
12-Dec-18	-	-	-	-	-	< 0.005	43.2	-	-	-	1.1
18-Jun-19	-	-	-	-	-	< 0.005	49.0	-	-	-	0.8
19-Dec-19	2.510	< 0.060	< 0.010	0.088	< 0.003	< 0.005	71.2	< 0.010	< 0.050	< 0.020	2.3
23-Jun-20	3.360	< 0.060	< 0.010	0.084	< 0.003	< 0.005	59.2	0.005	0.002	< 0.020	2.5
8-Dec-20	-	-	-	-	-	< 0.005	79.6	-	-	-	9.7
25-Jun-21	-	-	-	-	-	< 0.005	52.8	-	-	-	0.2
21-Dec-21	0.419	< 0.060	< 0.010	0.067	< 0.003	< 0.005	61.1	< 0.010	< 0.050	< 0.020	0.5
23-Jun-22	0.707	< 0.060	< 0.010	0.067	< 0.003	< 0.005	55.7	< 0.010	< 0.050	< 0.020	0.6
13-Dec-22	-	-	-	-	-	< 0.005	64.5	-	-	-	2.1

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS												
GROUNDWATER UPPER AQUIFER	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	0.0005	0.014	2
TRIGGER VALUES	0.007	147	1.5	-	0.08	59	911.6	0.013	-	-	-	0.06
<i>Monitoring Well MW-3S</i>												
4-Jun-99	ND	87.6	0.158	ND	ND	4.73	27.4	ND	ND	ND	ND	ND
8-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
4-Apr-00	0.008	90.7	0.186	ND	ND	4.42	34.2	0.007	ND	ND	ND	0.037
20-Jun-01	ND	85.0	0.084	ND	ND	4.05	27.6	ND	ND	ND	ND	ND
9-Jan-02	ND	106.0	0.049	-	-	4.58	34.6	-	-	-	-	-
6-Jun-02	ND	84.0	0.040	-	-	5.06	24.5	-	-	-	-	-
10-Dec-02	ND	108.0	0.056	ND	ND	4.96	34.3	ND	ND	ND	ND	ND
24-Jun-03	ND	83.5	ND	ND	ND	4.41	22.7	ND	ND	ND	ND	ND
12-Dec-03	ND	87.7	0.023	ND	ND	4.77	24.9	ND	ND	ND	ND	ND
22-Jun-04	0.006	88.7	0.438	-	-	8.88	26.8	-	-	-	-	0.034
7-Dec-04	< 0.005	96.3	0.012	-	-	4.36	28.8	-	-	-	-	-
23-Jun-05	< 0.005	95.0	0.036	-	-	3.99	28.3	-	-	-	-	-
6-Dec-05	< 0.005	89.2	0.044	< 0.0003	< 0.040	3.99	27.3	< 0.005	< 0.010	< 0.006	< 0.010	< 0.020
20-Jun-06	0.007	105.0	0.656	< 0.0003	< 0.040	10.00	30.0	< 0.010	< 0.010	< 0.010	< 0.050	0.039
5-Dec-06	< 0.005	94.9	0.417	-	-	7.47	28.0	-	-	-	-	-
26-Jun-07	0.006	101.0	1.100	-	-	11.40	29.9	-	-	-	-	-
11-Dec-07	< 0.005	99.3	0.140	< 0.0003	< 0.040	5.63	30.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
19-Jun-08	< 0.005	77.0	0.031	< 0.0003	< 0.040	4.04	25.3	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
9-Dec-08	< 0.005	96.6	0.075	-	-	4.69	27.4	-	-	-	-	-
9-Jun-09	< 0.005	93.3	0.115	-	-	4.60	24.9	-	-	-	-	-
8-Dec-09	< 0.005	100.0	0.033	< 0.0003	< 0.040	4.00	28.5	< 0.010	< 0.010	< 0.010	< 0.050	0.040
8-Jun-10	< 0.005	92.4	0.050	< 0.0003	< 0.040	4.50	27.2	< 0.010	< 0.010	< 0.010	< 0.050	0.040
8-Dec-10	< 0.005	95.6	0.011	-	-	4.50	29.2	-	-	-	-	-
10-Jun-11	< 0.005	83.7	< 0.010	-	-	3.90	26.0	-	-	-	-	-
13-Dec-11	< 0.005	91.5	0.036	< 0.0002	< 0.040	4.00	26.6	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
20-Jun-12	< 0.005	92.1	0.015	< 0.0002	< 0.040	4.60	27.3	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
12-Dec-12	< 0.005	98.8	< 0.010	-	-	4.60	31.1	-	-	-	-	-
18-Jun-13	< 0.005	80.2	0.050	-	-	4.20	22.9	-	-	-	-	-
12-Dec-13	< 0.005	92.6	0.016	< 0.0002	< 0.040	3.90	25.7	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
16-Jun-14	< 0.005	85.2	0.037	< 0.0002	< 0.040	4.10	23.7	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Dec-14	< 0.005	94.9	< 0.010	-	-	4.00	26.0	-	-	-	-	-
17-Jun-15	< 0.005	82.9	0.054	-	-	3.70	21.3	-	-	-	-	-
16-Dec-15	< 0.005	87.5	0.038	< 0.0002	< 0.040	3.99	24.7	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
22-Jun-16	< 0.005	87.7	0.092	< 0.0002	< 0.040	3.80	24.5	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
15-Dec-16	< 0.005	83.5	0.024	< 0.0002	< 0.040	4.20	22.6	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
20-Jun-17	< 0.005	87.3	0.025	-	-	3.80	22.6	-	-	-	-	-
13-Dec-17	< 0.005	98.3	0.096	-	-	4.40	26.3	-	-	-	-	-
19-Jun-18	< 0.005	89.1	0.012	< 0.0002	< 0.040	3.74	22.9	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
12-Dec-18	< 0.005	66.1	0.032	-	-	4.80	19.6	-	-	-	-	-
18-Jun-19	< 0.005	82.3	0.033	-	-	4.20	21.9	-	-	-	-	-
19-Dec-19	< 0.005	94.1	0.069	< 0.0002	< 0.040	4.79	25.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
23-Jun-20	< 0.005	91.3	0.137	< 0.0002	< 0.040	5.15	25.0	< 0.010	< 0.010	< 0.010	0.006	< 0.020
8-Dec-20	< 0.005	103.0	0.328	-	-	7.80	27.2	-	-	-	-	-
25-Jun-21	< 0.005	86.1	0.112	-	-	4.10	22.1	-	-	-	-	-
21-Dec-21	< 0.005	85.0	0.026	< 0.0002	< 0.040	3.76	24.2	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
23-Jun-22	< 0.005	87.1	0.027	< 0.0002	< 0.040	37.50	23.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
13-Dec-22	< 0.005	93.8	0.098	-	-	4.80	26.0	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-3S											
4-Jun-99	-	-	-	-	-	-	-	-	-	-	-
8-Dec-99	-	-	-	-	-	-	-	-	-	-	-
4-Apr-00	-	-	-	-	-	-	-	-	-	-	-
20-Jun-01	-	-	-	-	-	-	-	-	-	-	-
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-
6-Jun-02	-	-	-	-	-	-	-	-	-	-	-
10-Dec-02	-	-	-	-	-	-	-	-	-	-	-
24-Jun-03	-	-	-	-	-	-	-	-	-	-	-
12-Dec-03	-	-	-	-	-	-	-	-	-	-	-
22-Jun-04	-	-	-	0.050	-	-	42.3	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-
9-Dec-08	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	-	-	-	-	-	-	-	-	-	-	-
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-
10-Jun-11	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-
20-Jun-12	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	-	-	-	-	-	-	-	-	-	-	-
16-Jun-14	-	-	-	-	-	-	-	-	-	-	-
8-Dec-14	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-
15-Dec-16	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	0.044	< 0.0600	< 0.010	0.068	< 0.00300	< 0.00500	53.2	0.0008	< 0.0011	< 0.02	< 0.100
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	-	0.014	2
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-3S												
4-Jun-99	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
4-Apr-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-01	-	-	-	-	-	-	-	-	-	-	-	-
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
6-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-02	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-03	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-04	-	80.2	-	-	-	3.70	27.6	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-12	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-14	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-14	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-16	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	< 0.0050	86.6	0.115	< 0.0002	< 0.0400	3.55	24.2	< 0.0100	< 0.0100	< 0.010	< 0.050	< 0.0200
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)												
	Acetone (ug/l)	Benzene (ug/l)	Bromo-dichloro-methane (ug/l)	Bromo-form (ug/l)	Bromo-methane (ug/l)	2-Butanone (MEK) (ug/l)	Carbon Disulfide (ug/l)	Carbon-Tetra-chloride (ug/l)	Chloro-benzene (ug/l)	Chloro-ethane (ug/l)	Chloro-form (ug/l)	Dibromo-chloro-methane (ug/l)	Chloro-methane (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	1	50	50	5	50	60	5	5	5	7	50	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-3S</i>													
4-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12-Dec-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-06	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Jun-10	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
16-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
16-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
15-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											
	Dichloro- difluoro- methane (ug/l)	1,1- Dichloro- ethane (ug/l)	1,2- Dichloro- ethane (ug/l)	1,1- Dichloro- ethene (ug/l)	Cis-1,2- Dichloro- ethene (ug/l)	Trans-1,2- Dichloro- ethene (ug/l)	1,2- Dichloro- propane (ug/l)	Cis-1,3- Dichloro- propene (ug/l)	Trans-1,3- Dichloro- propene (ug/l)	Ethyl- benzene (ug/l)	2- Hexanone (ug/l)	Methylene- Chloride (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	5	5	0.6	5	5	5	1	0.4	0.4	5	50	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-3S</i>												
4-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
6-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12-Dec-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-06	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Jun-10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
16-Jun-14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-14	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
17-Jun-15	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
16-Dec-15	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
15-Dec-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-20	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-22	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											SUM OF ORGANIC COMPUNDS (DETECTED)
	4-Methyl- 2- Pentanone (ug/l)	Styrene (ug/l)	1,1,2,2- Tetrachloro- ethane (ug/l)	Tetra- chloro- ethene (ug/l)	Toluene (ug/l)	1,1,1- Trichloro- ethane (ug/l)	1,1,2- Trichloro- ethane (ug/l)	Trichloro- ethene (ug/l)	Vinyl Chloride (ug/l)	O- Xylene (ug/l)	M & P- Xylene (ug/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
<i>Monitoring Well MW-3S</i>												
4-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
8-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
4-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
20-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
6-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
24-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
12-Dec-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
22-Jun-04	-	-	-	-	-	-	-	-	-	-	-	0
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Jun-10	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
16-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
16-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
15-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
23-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP.	Eh	DISS OX	pH	SP. COND.	TURB.	COLOR	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
	(deg. F)	(mV)	(mg/L)	(Std Units)	(US/cm)	(NTU)	(Pt/Cl)					
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	6.5 -- 8.5	-	-	-	-	-	500	250	250
TRIGGER VALUES	64	389	176	10.4	5152	136	67	1501	1000	2783	1162	142
<i>Monitoring Well</i> MW-4S												
21-Jun-04	60.26	42.0	-	6.90	1290	123.0	20	660	960	878	17.50	117.0
6-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	55.76	-63.0	-	7.48	1279	0.9	-	580	745	866	11.80	117.0
7-Dec-05	46.40	86.0	-	8.06	1170	6.2	< 5	520	690	783	14.50	132.0
20-Jun-06	57.20	190.0	-	7.27	1119	4.8	5	518	706	787	10.00	107.0
6-Dec-06	47.66	12.0	-	7.27	1192	4.2	5	548	676	778	14.70	116.0
27-Jun-07	59.70	27.0	-	7.08	1098	10.5	-	531	610	715	14.00	90.8
11-Dec-07	47.12	25.0	-	7.03	945	5.6	5	559	698	798	12.80	118.0
19-Jun-08	64.20	-11.0	-	6.91	1117	12.7	< 5	540	670	721	6.17	72.8
9-Dec-08	49.82	31.0	-	6.85	1190	3.0	-	577	698	794	12.00	134.0
9-Jun-09	65.30	94.0	-	6.74	1131	3.3	-	530	638	741	8.50	107.0
8-Dec-09	48.56	105.0	-	6.99	1203	3.3	5	564	700	758	10.00	103.0
8-Jun-10	57.56	22.0	-	6.71	1311	3.4	< 5	564	722	793	12.10	117.0
8-Dec-10	42.08	19.0	-	6.79	1322	6.2	-	600	820	857	15.40	141.0
8-Jun-11	56.48	105.0	-	6.47	1478	11.3	-	632	842	989	16.30	189.0
13-Dec-11	49.82	66.0	-	6.67	1512	4.1	2	664	840	1010	21.00	209.0
20-Jun-12	59.36	67.0	-	6.72	1305	4.6	6	640	790	814	8.70	108.0
12-Dec-12	49.64	44.0	-	6.67	1270	5.1	-	630	770	866	10.50	69.1
18-Jun-13	55.58	35.0	-	6.67	1242	2.9	-	680	720	788	6.30	103.0
12-Dec-13	41.90	99.0	-	6.75	1242	2.9	12	650	640	807	7.10	104.0
17-Jun-14	53.78	43.0	-	6.61	1234	5.3	17	640	758	759	5.70	91.0
8-Dec-14	49.10	147.0	-	6.68	1197	3.1	-	630	733	758	6.80	99.3
17-Jun-15	57.02	136.0	-	6.61	1291	2.4	-	660	780	878	10.10	143.0
16-Dec-15	48.56	-35.0	-	7.20	1276	2.9	11	638	779	800	6.30	151.0
22-Jun-16	57.02	105.0	-	6.62	1200	2.7	10	649	731	816	5.10	97.8
15-Dec-16	48.02	206.0	-	6.75	1197	7.2	18	648	680	752	6.50	80.7
20-Jun-17	52.88	104.0	-	6.67	1215	2.6	-	623	711	800	6.30	104.0
13-Dec-17	48.56	66.0	-	6.67	1282	1.7	-	600	789	800	9.00	145.0
19-Jun-18	53.78	90.0	-	6.70	1275	1.9	14	599	749	835	7.30	136.0
12-Dec-18	50.36	19.0	-	6.48	1290	1.9	-	588	763	873	6.50	145.0
18-Jun-19	52.52	69.0	-	6.72	1273	1.4	-	573	770	842	7.20	122.0
19-Dec-19	47.12	89.0	-	6.72	1201	1.7	15	567	672	817	7.40	121.0
23-Jun-20	54.14	109.0	-	6.58	1313	1.4	12	616	770	909	8.80	145.0
8-Dec-20	48.92	60.0	-	6.82	1267	4.7	-	560	727	830	8.70	129.0
25-Jun-21	52.52	73.0	-	6.72	1483	8.8	-	691	834	1010	11.80	210.0
21-Dec-21	48.38	23.0	-	6.49	1450	2.3	10	699	788	939	8.90	172.0
23-Jun-22	53.06	146.0	-	6.78	1233	13.8	1	585	689	824	7.30	125.0
13-Dec-22	50.90	42.0	-	6.53	1225	13.4	-	588	1170	786	5.60	107.0

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

INORGANIC PARAMETERS

GROUNDWATER UPPER AQUIFER	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	2	1	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	2.3	0.9	0.01	2.8	66	71	127.7	37.98	39.6	0.0053	-
<i>Monitoring Well</i> MW-4S											
21-Jun-04	-	-	-	8.01	0.37	1.450	32.30	3.56	11.00	-	-
6-Dec-04	WELL DAMAGED		-	-	-	-	-	-	-	-	-
23-Jun-05	< 1.00	-	-	18.70	0.37	0.868	8.75	< 2.00	4.17	< 0.005	-
7-Dec-05	< 1.00	< 0.10	< 0.01	19.50	0.26	0.725	10.70	< 2.00	4.53	< 0.005	0.013
20-Jun-06	< 1.00	< 0.20	< 0.01	13.10	0.23	1.100	24.80	2.11	10.10	< 0.005	< 0.010
6-Dec-06	< 1.00	< 0.20	< 0.01	19.80	0.25	0.870	6.41	< 2.00	4.45	< 0.005	< 0.010
27-Jun-07	< 1.00	-	-	11.70	0.38	0.759	6.58	< 2.00	3.86	< 0.005	-
11-Dec-07	< 1.00	< 0.20	< 0.01	9.17	0.29	0.822	5.87	< 2.00	5.14	< 0.005	0.022
19-Jun-08	< 1.00	< 0.20	< 0.01	7.42	0.19	0.578	6.02	< 2.00	3.72	< 0.005	< 0.010
9-Dec-08	< 1.00	-	-	7.95	0.35	0.963	15.50	< 2.00	5.37	< 0.005	-
9-Jun-09	< 1.00	-	-	8.32	0.19	0.630	5.1	< 2	7.50	< 0.005	-
8-Dec-09	< 1.00	< 0.20	< 0.01	8.59	0.25	1.100	12.10	< 2.00	7.90	< 0.005	< 0.010
8-Jun-10	< 1.00	< 0.20	< 0.01	11.80	0.16	0.530	9.20	< 2.00	6.30	< 0.005	0.013
8-Dec-10	< 1.00	-	-	8.40	0.16	0.560	12.10	< 2.00	5.40	< 0.005	-
8-Jun-11	< 1.00	-	-	7.10	0.13	0.720	12.70	< 2.00	6.80	< 0.005	-
13-Dec-11	< 1.00	< 0.20	< 0.01	1.40	0.22	0.850	20.80	< 2.00	9.10	< 0.005	0.048
20-Jun-12	< 1.00	< 0.20	< 0.01	< 1.00	0.13	0.600	29.20	< 2.00	6.10	< 0.005	0.027
12-Dec-12	< 1.00	-	-	2.20	0.17	0.670	14.80	< 2.00	6.20	< 0.005	-
18-Jun-13	< 1.00	-	-	1.40	0.14	0.560	10.70	< 2.00	5.70	< 0.005	-
12-Dec-13	< 1.00	< 0.20	< 0.01	1.60	0.16	0.590	11.20	< 2.00	5.10	< 0.005	0.015
17-Jun-14	< 1.00	< 0.20	< 0.01	1.20	0.12	0.530	19.30	< 2.00	7.00	< 0.005	0.015
8-Dec-14	< 1.00	-	-	3.70	0.14	0.670	< 5.00	< 2.00	4.20	< 0.005	-
17-Jun-15	< 1.00	-	-	1.90	0.21	0.650	18.80	< 2.00	6.40	< 0.005	-
16-Dec-15	< 1.00	< 0.20	< 0.01	1.80	0.15	0.570	27.30	< 2.00	9.60	< 0.005	0.025
22-Jun-16	< 1.00	< 0.20	< 0.01	1.10	0.16	0.550	7.20	< 2.00	6.40	< 0.005	0.019
15-Dec-16	< 1.00	< 0.20	< 0.01	< 1.00	0.24	0.610	9.70	< 2.00	5.70	< 0.005	0.016
20-Jun-17	< 1.00	-	-	3.40	0.20	0.910	19.10	< 2.00	5.10	< 0.005	-
13-Dec-17	< 1.00	-	-	4.60	0.25	0.760	16.60	< 2.00	5.80	< 0.005	-
19-Jun-18	< 1.00	< 0.20	< 0.01	5.90	0.13	0.930	11.00	< 2.00	11.60	< 0.005	0.020
12-Dec-18	< 1.00	-	-	1.10	0.15	0.710	30.00	< 2.00	8.60	< 0.005	-
18-Jun-19	< 1.00	-	-	4.30	0.08	0.920	17.50	< 2.00	7.30	< 0.005	-
19-Dec-19	< 1.00	< 0.20	< 0.01	5.10	0.07	0.590	14.90	< 2.00	5.20	< 0.005	0.024
23-Jun-20	< 1.00	0.08	< 0.01	4.30	< 0.05	0.450	15.00	< 2.00	6.20	< 0.005	0.029
8-Dec-20	< 1.00	-	-	5.30	0.22	0.570	12.10	< 2.00	5.30	< 0.005	-
25-Jun-21	< 1.00	-	-	4.00	< 0.05	0.780	19.70	18.50	8.90	< 0.005	-
21-Dec-21	< 1.00	< 0.20	< 0.01	1.30	< 0.05	0.510	17.80	< 2.00	7.50	< 0.005	0.048
23-Jun-22	< 1.00	< 0.20	< 0.01	7.50	< 0.05	0.730	6.30	< 2.00	3.60	< 0.005	0.015
13-Dec-22	< 1.00	-	-	4.80	0.09	8.190	224.0	< 2.00	9.20	< 0.005	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS

GROUNDWATER UPPER AQUIFER	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.30
TRIGGER VALUES	3.9	-	0.033	3.0	-	-	199.6	0.02	-	-	34.3
<i>Monitoring Well</i> MW-4S											
21-Jun-04	5.130	-	0.051	0.606	-	-	193.0	0.014	-	0.028	16.0
6-Dec-04	WELL DAMAGED		-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	< 0.005	188.0	-	-	-	< 0.1
7-Dec-05	< 0.200	< 0.060	0.011	0.165	< 0.005	< 0.005	161.0	< 0.010	< 0.010	< 0.010	< 0.1
20-Jun-06	< 0.100	< 0.060	< 0.010	0.167	< 0.005	< 0.005	174.0	< 0.010	< 0.050	< 0.020	0.1
6-Dec-06	< 0.100	< 0.060	< 0.010	0.159	< 0.005	< 0.005	164.0	< 0.010	< 0.050	< 0.020	< 0.1
27-Jun-07	0.000	-	-	-	-	< 0.005	165.0	-	-	-	0.3
11-Dec-07	0.130	< 0.060	< 0.010	0.146	< 0.005	< 0.005	169.0	< 0.010	< 0.050	< 0.020	0.8
19-Jun-08	< 0.100	< 0.060	< 0.010	0.136	< 0.005	< 0.005	165.0	< 0.010	< 0.050	< 0.020	0.2
9-Dec-08	-	-	-	-	-	< 0.005	175.0	-	-	-	0.2
9-Jun-09	-	-	-	-	-	< 0.005	163.0	-	-	-	0.8
8-Dec-09	0.160	< 0.060	< 0.010	0.170	< 0.005	< 0.005	168.0	< 0.010	< 0.050	< 0.020	0.9
8-Jun-10	0.510	< 0.060	< 0.010	0.232	< 0.005	< 0.005	191.0	< 0.010	< 0.050	< 0.020	2.5
8-Dec-10	-	-	-	-	-	< 0.005	199.0	-	-	-	0.9
8-Jun-11	-	-	-	-	-	< 0.005	224.0	-	-	-	1.2
13-Dec-11	0.130	< 0.060	< 0.010	0.166	< 0.005	< 0.005	225.0	< 0.010	< 0.050	< 0.020	0.4
20-Jun-12	0.280	< 0.060	< 0.010	0.196	< 0.005	< 0.005	199.0	< 0.010	< 0.050	< 0.020	0.8
12-Dec-12	-	-	-	-	-	< 0.005	206.0	-	-	-	1.4
18-Jun-13	-	-	-	-	-	< 0.005	185.0	-	-	-	0.1
12-Dec-13	0.250	< 0.060	< 0.010	0.229	< 0.003	< 0.005	176.0	< 0.010	< 0.050	< 0.020	0.9
17-Jun-14	0.780	< 0.060	< 0.010	0.292	< 0.003	< 0.005	204.0	< 0.010	< 0.050	< 0.020	1.4
8-Dec-14	-	-	-	-	-	< 0.005	196.0	-	-	-	< 0.1
17-Jun-15	-	-	-	-	-	< 0.005	203.0	-	-	-	0.4
16-Dec-15	0.145	< 0.060	0.011	0.264	< 0.003	< 0.005	212.0	< 0.010	< 0.050	< 0.020	2.9
22-Jun-16	0.310	< 0.060	< 0.010	0.248	< 0.003	< 0.005	202.0	< 0.010	< 0.050	< 0.020	1.1
15-Dec-16	0.150	< 0.060	< 0.010	0.225	< 0.003	< 0.005	179.0	< 0.010	< 0.050	< 0.020	1.2
20-Jun-17	-	-	-	-	-	< 0.005	192.0	-	-	-	0.2
13-Dec-17	-	-	-	-	-	< 0.005	208.0	-	-	-	2.0
19-Jun-18	< 0.100	< 0.060	< 0.010	0.169	< 0.003	< 0.005	200.0	< 0.010	< 0.050	< 0.020	< 0.1
12-Dec-18	-	-	-	-	-	< 0.005	203.0	-	-	-	0.4
18-Jun-19	-	-	-	-	-	< 0.005	211.0	-	-	-	0.2
19-Dec-19	0.690	< 0.060	< 0.010	0.363	< 0.003	< 0.005	173.0	< 0.010	< 0.050	< 0.020	1.2
23-Jun-20	< 0.100	< 0.060	< 0.010	0.145	< 0.003	< 0.005	196.0	< 0.010	< 0.050	< 0.020	< 0.1
8-Dec-20	-	-	-	-	-	< 0.005	193.0	-	-	-	1.9
25-Jun-21	-	-	-	-	-	< 0.005	226.0	-	-	-	1.0
21-Dec-21	< 0.100	< 0.060	< 0.010	0.141	< 0.003	< 0.005	218.0	< 0.010	< 0.050	< 0.020	0.2
23-Jun-22	0.130	< 0.060	< 0.010	0.197	< 0.003	< 0.005	189.0	< 0.010	< 0.050	< 0.020	2.2
13-Dec-22	-	-	-	-	-	< 0.005	356.0	-	-	-	121.0

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS

GROUNDWATER UPPER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	TI	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	0.0005	0.014	2
TRIGGER VALUES	0.007	147	1.5	-	0.08	59	911.6	0.013	-	-	-	0.06
<i>Monitoring Well</i> MW-4S												
21-Jun-04	0.009	74.1	3.06	0.001	-	7.71	29.0	-	-	-	-	-
6-Dec-04	WELL DAMAGED											
23-Jun-05	< 0.005	72.1	2.10	-	-	3.20	16.0	-	-	-	-	-
7-Dec-05	< 0.005	58.4	1.70	< 0.0003	< 0.040	2.74	17.7	< 0.005	< 0.010	< 0.006	< 0.010	< 0.020
20-Jun-06	< 0.005	63.1	1.99	< 0.0003	< 0.040	3.31	16.5	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
6-Dec-06	< 0.005	59.3	1.84	0.0000	< 0.040	3.60	17.2	< 0.010	< 0.010	< 0.010	< 0.050	0.053
27-Jun-07	< 0.005	54.1	1.75	-	-	13.50	-	-	-	-	-	-
11-Dec-07	< 0.005	58.6	1.63	< 0.0003	< 0.040	3.96	18.4	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
19-Jun-08	< 0.005	52.4	1.46	< 0.0003	< 0.040	2.60	11.3	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
9-Dec-08	< 0.005	58.2	0.41	-	-	3.70	-	-	-	-	-	-
9-Jun-09	< 0.005	52.1	0.70	-	-	3.10	14.4	-	-	-	-	-
8-Dec-09	< 0.005	59.9	1.96	< 0.0003	< 0.040	3.90	18.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Jun-10	< 0.005	58.1	1.09	< 0.0003	< 0.040	2.80	16.9	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Dec-10	< 0.005	61.9	1.06	-	-	3.50	23.9	-	-	-	-	-
8-Jun-11	< 0.005	68.1	2.14	-	-	3.80	21.8	-	-	-	-	-
13-Dec-11	< 0.005	72.4	2.80	< 0.0002	< 0.040	4.30	37.5	< 0.010	< 0.010	< 0.010	< 0.050	0.031
20-Jun-12	< 0.005	66.0	1.87	< 0.0002	< 0.040	4.10	27.9	< 0.010	< 0.010	< 0.010	< 0.050	0.093
12-Dec-12	< 0.005	67.2	1.28	-	-	4.30	31.8	-	-	-	-	-
18-Jun-13	< 0.005	61.8	1.43	-	-	4.00	20.3	-	-	-	-	-
12-Dec-13	< 0.005	61.2	1.49	< 0.0002	< 0.040	4.60	21.4	< 0.010	< 0.010	< 0.010	< 0.050	0.048
17-Jun-14	< 0.005	65.0	1.65	< 0.0002	< 0.040	4.70	17.2	< 0.010	< 0.010	< 0.010	< 0.050	0.093
8-Dec-14	< 0.005	61.2	1.53	-	-	3.60	17.2	-	-	-	-	-
17-Jun-15	< 0.005	64.5	2.16	-	-	4.40	17.3	-	-	-	-	-
16-Dec-15	< 0.005	60.5	1.60	< 0.0002	< 0.040	4.58	18.5	< 0.010	< 0.010	< 0.010	< 0.050	0.025
22-Jun-16	< 0.005	54.9	1.50	< 0.0002	< 0.040	5.10	16.4	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
15-Dec-16	< 0.005	56.2	1.87	0.0002	< 0.040	5.40	18.1	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
20-Jun-17	< 0.005	55.9	1.33	-	-	5.20	14.6	-	-	-	-	-
13-Dec-17	< 0.005	65.5	2.51	-	-	5.90	17.2	-	-	-	-	-
19-Jun-18	< 0.005	60.8	1.67	< 0.0002	< 0.040	4.82	15.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
12-Dec-18	< 0.005	62.0	2.06	-	-	5.80	16.7	-	-	-	-	-
18-Jun-19	< 0.005	58.9	0.83	-	-	4.90	15.2	-	-	-	-	-
19-Dec-19	< 0.005	58.1	0.54	< 0.0002	< 0.040	4.82	15.3	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
23-Jun-20	< 0.005	68.2	0.75	< 0.0002	< 0.040	4.81	18.5	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Dec-20	< 0.005	59.6	1.39	-	-	4.80	16.4	-	-	-	-	-
25-Jun-21	< 0.005	65.6	1.01	-	-	5.60	22.5	-	-	-	-	-
21-Dec-21	< 0.005	59.2	1.57	< 0.0002	< 0.040	5.50	19.4	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
23-Jun-22	< 0.005	52.4	1.26	< 0.0002	< 0.040	4.72	15.2	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
13-Dec-22	0.079	67.9	6.89	-	-	9.60	17.3	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-4S											
21-Jun-04	-	-	-	-	-	-	-	-	-	-	-
6-Dec-04	WELL DAMAGED										
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-
7-Dec-05	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-
6-Dec-06	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-
9-Dec-08	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	-	-	-	-	-	-	-	-	-	-	-
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-
20-Jun-12	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	-	-	-	-	-	-	-	-	-	-	-
17-Jun-14	-	-	-	-	-	-	-	-	-	-	-
8-Dec-14	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-
15-Dec-16	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	Tl	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	-	0.014	2
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-4S												
21-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-04	WELL DAMAGED		-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-12	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-14	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-14	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-16	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											
	Acetone (ug/l)	Benzene (ug/l)	Bromo- dichloro- methane (ug/l)	Bromo- form (ug/l)	Bromo- methane (ug/l)	2-Butanone (MEK) (ug/l)	Carbon Disulfide (ug/l)	Carbon- Tetra- chloride (ug/l)	Chloro- benzene (ug/l)	Chloro- ethane (ug/l)	Chloro- form (ug/l)	Chloro- methane (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	1	50	50	5	50	60	5	5	5	7	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-4S</i>												
21-Jun-04	-	-	-	-	-	-	-	-	-	11.0	-	-
6-Dec-04	WELL DAMAGED											
23-Jun-05	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	7.3	< 5.0
7-Dec-05	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	6.3	< 5.0
20-Jun-06	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	6.3	< 5.0
6-Dec-06	< 40.0	< 10.0	< 10.0	< 10.0	< 10.0	< 20.0	< 20.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 50.0	< 13.0	< 13.0	< 13.0	< 13.0	< 25.0	< 25.0	< 13.0	< 13.0	< 13.0	< 13.0	< 13.0
19-Jun-08	< 40.0	< 10.0	< 10.0	< 10.0	< 10.0	< 20.0	< 20.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
9-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 40.0	< 10.0	< 10.0	< 10.0	< 10.0	< 20.0	< 20.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
8-Jun-10	< 40.0	< 10.0	< 10.0	< 10.0	< 10.0	< 20.0	< 20.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
17-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	1.3	3.3	< 1.0
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 1.0
16-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
15-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)													
GROUNDWATER UPPER AQUIFER	Dibromo- chloro- methane (ug/l)	Dichloro- difluoro- methane (ug/l)	1,1- Dichloro- ethane (ug/l)	1,2- Dichloro- ethane (ug/l)	1,1- Dichloro- ethene (ug/l)	Cis-1,2- Dichloro- ethene (ug/l)	Trans-1,2- Dichloro- ethene (ug/l)	1,2- Dichloro- propane (ug/l)	Cis-1,3- Dichloro- propene (ug/l)	Trans-1,3- Dichloro- propene (ug/l)	Ethyl- benzene (ug/l)	2- Hexanone (ug/l)	Methylene- Chloride (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	5	5	0.6	5	5	5	1	0.4	0.4	5	50	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-4S</i>													
21-Jun-04	-	-	120.0	-	14.0	8.0	-	-	-	-	-	-	-
6-Dec-04	WELL DAMAGED												
23-Jun-05	< 5.0	< 5.0	100.0	< 5.0	9.8	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
7-Dec-05	< 5.0	< 5.0	95.0	< 5.0	8.6	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-06	< 5.0	< 5.0	72.0	< 5.0	6.8	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
6-Dec-06	< 10.0	< 10.0	75.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 20.0	< 10.0
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 13.0	< 13.0	78.0	< 13.0	< 13.0	< 13.0	< 13.0	< 13.0	< 13.0	< 13.0	< 13.0	< 25.0	< 13.0
19-Jun-08	< 10.0	< 10.0	69.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 20.0	< 10.0
9-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 10.0	< 10.0	71.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 20.0	< 10.0
8-Jun-10	< 10.0	< 10.0	69.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 20.0	< 10.0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 5.0	< 5.0	82.0	< 5.0	5.3	8.1	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-12	< 5.0	< 5.0	43.0	< 5.0	< 5.0	8.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 5.0	< 5.0	42.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
17-Jun-14	< 5.0	< 5.0	39.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-14	< 1.0	-	41.0	< 1.0	2.0	2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
17-Jun-15	< 1.0	-	31.0	< 1.0	1.4	2.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
16-Dec-15	< 5.0	< 5.0	34.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-16	< 5.0	< 5.0	25.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
15-Dec-16	< 5.0	< 5.0	34.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 5.0	< 5.0	24.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 5.0	< 5.0	26.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-20	< 5.0	< 5.0	20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 5.0	< 5.0	23.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-22	< 5.0	< 5.0	29.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)												
GROUNDWATER UPPER AQUIFER	4-Methyl- 2- Pentanone (ug/l)	Styrene (ug/l)	1,1,2,2- Tetrachloro- ethane (ug/l)	Tetra- chloro- ethene (ug/l)	Toluene (ug/l)	1,1,1- Trichloro- ethane (ug/l)	1,1,2- Trichloro- ethane (ug/l)	Trichloro- ethene (ug/l)	Vinyl Chloride (ug/l)	O- Xylene (ug/l)	M & P- Xylene (ug/l)	SUM OF ORGANIC COMPUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
<i>Monitoring Well MW-4S</i>												
21-Jun-04	-	-	-	-	-	380 E	-	100.0	-	-	-	633
6-Dec-04	WELL DAMAGED											
23-Jun-05	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	410 E	< 5.0	69.0	< 5.0	< 5.0	< 5.0	596
7-Dec-05	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	340 E	< 5.0	54.0	< 5.0	< 5.0	< 5.0	498
20-Jun-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	280 E	< 5.0	42.0	< 5.0	< 5.0	< 5.0	401
6-Dec-06	< 20.0	< 10.0	< 10.0	< 10.0	< 10.0	290.0	< 10.0	66.0	< 10.0	< 10.0	< 10.0	431
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 25.0	< 13.0	< 13.0	< 13.0	< 13.0	270.0	< 13.0	79.0	< 13.0	< 13.0	< 13.0	427
19-Jun-08	20.0	< 10.0	< 10.0	< 10.0	< 10.0	< 260.0	< 10.0	45.0	< 10.0	< 10.0	< 10.0	-
9-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 20.0	< 10.0	< 10.0	< 10.0	< 10.0	260.0	< 10.0	67.0	< 10.0	< 10.0	< 10.0	398
8-Jun-10	20.0	< 10.0	< 10.0	< 10.0	< 10.0	250.0	< 10.0	66.0	< 10.0	< 10.0	< 10.0	385
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	10.0	< 5.0	< 5.0	< 5.0	< 5.0	190.0	< 5.0	96.0	< 5.0	< 5.0	< 5.0	381
20-Jun-12	10.0	< 5.0	< 5.0	< 5.0	< 5.0	86.0	< 5.0	49.0	< 5.0	< 5.0	< 5.0	186
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	99.0	< 5.0	56.0	< 5.0	< 5.0	< 5.0	197
17-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	93.0	< 5.0	45.0	< 5.0	< 5.0	< 5.0	177
8-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	110.0	< 1.0	45.0	< 1.0	< 1.0	< 2.0	205
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	67.0	< 1.0	45.0	< 1.0	< 1.0	< 2.0	148
16-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	70.0	< 5.0	43.0	< 5.0	< 5.0	< 5.0	147
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	48.0	< 5.0	40.0	< 5.0	< 5.0	< 5.0	113
15-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	65.0	< 5.0	57.0	< 5.0	< 5.0	< 5.0	156
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	74.0	< 5.0	29.0	< 5.0	< 5.0	< 5.0	127
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	71.0	< 5.0	29.0	< 5.0	< 5.0	< 5.0	127
23-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	49.0	< 5.0	20.0	< 5.0	< 5.0	< 5.0	89
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	38.0	< 5.0	23.0	< 5.0	< 5.0	< 5.0	84
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	78.0	< 5.0	21.0	< 5.0	< 5.0	< 5.0	128
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP. (deg. F)	Eh (mV)	DISS OX (mg/L)	pH (Std Units)	SP. COND. (US/cm)	TURB. (NTU)	COLOR (Pt/Cl)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	6.5 -- 8.5	-	-	-	-	-	500	250	250
TRIGGER VALUES	64	389	176	10.4	5152	136	67	1501	1000	2783	1162	142
<i>Monitoring Well MW-5S</i>												
7-Jun-99	61.52	-152.4	38.56	7.11	1446	9.8	40	861	691	832	43.70	ND
9-Dec-99	53.27	-128.6	96.20	7.46	1058	23.5	35	871	622	943	41.60	ND
5-Apr-00	47.70	-144.3	10.41	7.34	1419	1.1	35	880	690	970	42.70	ND
20-Sep-00	56.27	-172.5	31.89	6.61	1475	8.6	60	900	656	975	42.90	ND
21-Jun-01	51.50	-132.6	-99.90	7.52	1451	48.2	60	860	668	973	43.10	ND
9-Jan-02	51.80	-	-	7.03	1445	< 50.0	-	850	671	950	43.80	ND
5-Jun-02	53.60	-36.0	3.45	7.03	1800	20.9	-	865	670	948	44.60	ND
12-Dec-02	53.51	-147.0	1.38	6.91	1670	141.0	100	859	695	938	46.60	ND
26-Jun-03	54.72	-138.2	1.61	6.24	1529	27.0	30	860	676	955	41.70	ND
9-Dec-03	51.70	-	0.20	7.34	1310	-1.0	30	855	615	932	44.50	ND
24-Jun-04	65.12	-140.0	0.16	7.49	1299	33.6	40	854	645	931	40.30	-
08-Dec-04	52.34	-98.0	-	6.91	1410	26.7	-	850	650	932	43.50	< 2.0
22-Jun-05	57.92	-84.0	1.16	7.16	1460	27.5	-	840	660	942	44.00	< 2.0
7-Dec-05	47.48	-128.0	0.74	7.43	1425	3.0	100	840	670	911	36.00	< 2.0
20-Jun-06	56.12	-203.0	0.18	6.85	1545	4.0	50	790	698	922	39.30	< 2.0
7-Dec-06	50.90	-87.0	0.98	7.58	1600	33.9	-	816	688	907	37.00	< 2.0
28-Jun-07	56.70	-155.0	0.65	7.25	1504	12.1	< -	800	662	912	47.50	< 2.0
11-Dec-07	51.80	-64.0	0.00	7.15	1042	10.6	60	817	644	870	38.60	< 2.0
18-Jun-08	52.16	-159.0	0.32	7.25	1535	6.9	35	800	680	903	44.10	< 2.0
10-Dec-08	51.08	-16.0	0.20	7.30	1485	23.8	-	836	628	872	38.20	< 2.0
10-Jun-09	55.76	-183.0	0.18	6.98	1470	13.7	-	796	644	877	45.10	< 2.0
8-Dec-09	52.16	-125.0	0.24	6.79	120.1	28.7	150	810	640	870	38.40	< 2.0
9-Jun-10	52.16	-142.0	0.24	7.04	1500	8.8	50	818	642	905	40.40	< 2.0
9-Dec-10	50.72	-142.0	0.33	6.97	1486	41.0	-	790	680	866	39.50	< 2.0
8-Jun-11	61.16	-153.0	0.53	6.80	1419	13.5	-	< 2	600	910	43.60	< 2.0
13-Dec-11	52.88	-136.0	0.48	6.99	1460	30.6	47	798	610	855	42.50	< 2.0
20-Jun-12	58.64	-146.0	0.70	6.84	1600	12.5	210	746	662	875	47.30	< 2.0
12-Dec-12	51.62	-99.0	1.03	6.93	1484	47.9	-	771	720	859	42.00	< 2.0
20-Jun-13	51.62	-153.0	0.83	6.98	1450	5.0	-	778	638	874	49.30	< 2.0
12-Dec-13	51.44	-108.0	0.36	7.20	1435	11.7	38	760	650	866	46.50	< 2.0
18-Jun-14	52.52	-154.0	0.60	6.89	1550	13.9	105	796	622	857	42.80	< 2.0
9-Dec-14	49.82	-110.0	0.38	6.98	1435	50.0	-	792	650	843	43.20	< 2.0
17-Jun-15	53.42	-164.0	0.30	7.00	1506	6.1	-	780	640	832	51.50	< 2.0
16-Dec-15	45.21	-128.0	0.38	7.07	1450	18.1	48	800	603	839	49.80	< 2.0
21-Jun-16	56.66	-148.0	0.21	7.01	1510	4.1	100	804	555	800	48.30	< 2.0
13-Dec-16	52.34	-131.0	0.29	6.94	1475	9.8	420	760	593	808	47.90	< 2.0
20-Jun-17	54.32	-160.0	0.23	7.01	1513	6.9	-	767	644	924	46.10	< 2.0
13-Dec-17	49.46	-120.0	0.50	7.06	1485	17.0	-	758	653	842	46.30	< 2.0
21-Jun-18	55.04	-154.0	0.31	6.96	1494	6.6	130	773	654	862	46.80	< 2.0
12-Dec-18	51.98	-133.0	0.37	7.16	1570	10.4	-	702	650	853	43.90	< 2.0
19-Jun-19	55.04	-164.0	< 0.20	7.06	1510	8.3	-	718	620	861	47.10	< 2.0
18-Dec-19	50.36	-98.0	6.60	7.08	1417	20.0	150	725	631	866	51.10	12.6
24-Jun-20	55.76	-163.0	0.49	7.09	1443	6.9	360	722	618	872	48.00	< 2.0
8-Dec-20	52.34	-139.0	0.50	7.00	1489	10.7	-	696	602	845	47.40	< 2.0
25-Jun-21	57.56	-169.0	0.37	7.01	1480	6.0	-	751	603	854	39.20	< 2.0
21-Dec-21	46.40	-129.0	0.50	6.85	1477	12.5	750	715	591	833	48.30	< 2.0
23-Jun-22	53.42	-148.0	0.42	6.93	1478	5.8	25	770	605	866	52.7	< 2.0
13-Dec-22	51.62	-93.0	0.73	7.02	1400	15.1	-	730	587	826	45.50	< 2.0

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS

GROUNDWATER UPPER AQUIFER	Br	BORON	Cr+6	NO3-N	NH3-N	TKN	COD	BOD-5	TOC	TOTAL PHENOLS	TOTAL CYANIDE
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	2	1	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	2.3	0.9	0.01	2.8	66	71	127.7	37.979	39.6	0.0053	-
<i>Monitoring Well</i> MW-5S											
7-Jun-99	ND	ND	ND	ND	2.59	4.380	77.50	35.10	32.90	ND	ND
9-Dec-99	ND	ND	ND	ND	1.57	4.220	74.90	12.10	28.60	ND	ND
5-Apr-00	ND	ND	ND	ND	2.75	3.380	73.80	21.50	29.30	ND	ND
20-Sep-00	1.30	ND	ND	ND	2.64	4.180	73.30	10.50	27.50	ND	ND
21-Jun-01	ND	ND	ND	ND	1.98	3.780	81.10	14.30	27.00	ND	ND
9-Jan-02	1.35	-	-	ND	1.65	3.920	82.20	15.80	28.40	ND	-
5-Jun-02	1.50	-	-	ND	1.62	4.420	86.90	15.00	32.30	ND	-
12-Dec-02	1.23	ND	ND	ND	1.79	4.310	93.20	18.50	32.00	ND	ND
26-Jun-03	ND	ND	ND	ND	3.30	3.880	62.60	21.40	31.60	ND	ND
9-Dec-03	1.39	ND	ND	ND	1.64	3.660	76.70	17.70	27.60	ND	ND
24-Jun-04	1.37	-	-	-	2.54	4.440	78.1	18.7	29.60	-	-
08-Dec-04	1.01	-	-	< 0.50	2.38	3.940	76.00	22.70	29.00	< 0.005	-
22-Jun-05	1.20	-	-	< 0.50	2.79	4.010	83.20	14.40	28.40	< 0.005	-
7-Dec-05	1.42	< 0.1	< 0.01	< 0.50	2.08	3.400	85.80	18.60	34.40	0.005	< 0.010
20-Jun-06	1.77	< 0.2	0.05	0.77	2.31	3.820	79.90	35.10	29.80	0.005	< 0.010
7-Dec-06	1.78	-	-	< 0.50	2.30	4.690	74.60	10.70	29.40	< 0.005	-
28-Jun-07	1.41	-	-	< 0.50	2.49	4.080	79.60	16.40	28.00	< 0.005	-
11-Dec-07	1.88	< 0.2	0.02	< 0.50	2.70	4.520	102.00	20.20	29.30	< 0.005	< 0.010
18-Jun-08	< 1.00	< 0.2	0.03	< 0.50	1.75	4.170	66.60	33.40	28.60	< 0.005	< 0.010
10-Dec-08	1.57	-	-	0.63	1.91	4.120	77.80	9.75	27.10	< 0.005	-
10-Jun-09	< 1.00	-	-	< 0.50	2.93	4.420	83.70	33.50	33.00	< 0.005	-
8-Dec-09	1.10	< 0.2	0.01	< 0.50	2.64	4.130	68.50	36.50	27.70	< 0.005	< 0.010
9-Jun-10	1.10	< 0.2	0.03	< 0.50	1.82	4.140	81.80	15.80	33.70	< 0.005	< 0.010
9-Dec-10	1.10	-	-	< 1.00	1.82	3.910	78.70	21.70	35.60	< 0.005	-
8-Jun-11	< 1.00	-	-	< 1.00	1.81	4.070	82.50	27.70	30.30	< 0.005	-
13-Dec-11	< 1.00	< 0.2	< 0.01	< 1.00	1.82	4.240	77.20	34.10	30.80	< 0.005	< 0.010
20-Jun-12	1.40	< 0.2	0.02	< 1.00	1.94	3.760	85.60	33.00	31.00	< 0.005	< 0.010
12-Dec-12	< 1.00	-	-	< 1.00	2.77	4.260	68.10	20.30	28.40	< 0.005	-
20-Jun-13	< 1.00	-	-	< 1.00	1.96	4.300	83.10	42.10	30.90	< 0.005	-
12-Dec-13	1.30	< 0.2	< 0.01	< 1.00	2.71	4.130	74.30	25.40	28.90	0.006	< 0.010
18-Jun-14	< 1.00	< 0.2	< 0.01	< 1.00	2.73	4.580	85.30	27.00	34.60	< 0.005	< 0.010
9-Dec-14	< 1.00	-	-	< 1.00	2.94	4.170	28.30	17.10	28.30	0.006	-
17-Jun-15	< 1.00	-	-	< 1.00	3.70	4.590	85.40	9.40	36.90	0.006	-
16-Dec-15	1.20	< 0.2	< 0.01	< 1.00	2.95	3.660	94.80	40.00	41.50	0.011	< 0.010
21-Jun-16	1.30	< 0.2	< 0.01	< 1.00	3.17	4.320	70.30	14.80	31.10	0.007	< 0.010
13-Dec-16	1.50	< 0.2	< 0.01	< 1.00	2.99	3.940	77.50	15.50	32.10	0.008	< 0.010
20-Jun-17	1.10	-	-	< 1.00	3.49	4.620	75.50	20.10	29.90	0.008	-
13-Dec-17	< 1.00	-	-	< 1.00	3.86	4.320	85.90	12.60	34.50	< 0.005	-
21-Jun-18	< 1.00	< 0.2	< 0.01	< 1.00	2.88	4.280	86.30	16.70	55.00	0.008	< 0.010
12-Dec-18	1.00	-	-	< 1.00	2.72	4.360	84.40	17.30	30.20	< 0.005	-
19-Jun-19	< 1.00	-	-	< 1.00	3.25	4.730	91.80	9.50	33.80	< 0.005	-
18-Dec-19	1.20	< 0.2	< 0.05	< 1.00	3.33	4.150	78.20	10.30	27.30	< 0.005	< 0.005
24-Jun-20	1.30	< 0.2	< 0.10	< 1.00	2.85	4.470	92.20	17.90	30.40	< 0.005	< 0.005
8-Dec-20	< 1.00	-	-	< 1.00	2.96	4.670	73.90	13.70	28.10	< 0.005	-
25-Jun-21	< 1.00	-	-	< 1.00	3.25	4.940	79.20	18.10	32.20	< 0.005	-
21-Dec-21	1.20	< 0.2	< 0.05	< 1.00	3.39	4.580	74.50	3.90	32.60	< 0.005	< 0.005
23-Jun-22	< 1.0	-	< 0.01	< 1.00	3.36	4.560	73.50	8.90	30.70	< 0.005	< 0.005
13-Dec-22	< 1.00	-	-	< 1.00	2.88	4.380	87.50	7.90	32.30	< 0.005	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS

GROUNDWATER UPPER AQUIFER	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.30
TRIGGER VALUES	3.9	-	0.033	3.0	-	-	199.6	0.02	-	-	34.3
<i>Monitoring Well</i> MW-5S											
7-Jun-99	0.453	ND	0.031	0.287	ND	ND	161	ND	ND	ND	28.0
9-Dec-99	ND	ND	0.014	0.256	ND	ND	155	ND	ND	ND	10.7
5-Apr-00	ND	ND	0.019	0.277	ND	ND	158	ND	ND	ND	19.5
20-Sep-00	0.122	ND	0.032	0.310	ND	ND	152	ND	ND	ND	29.9
21-Jun-01	ND	ND	0.014	0.282	ND	ND	154	ND	ND	ND	27.2
9-Jan-02	-	-	-	-	-	ND	160	-	-	-	24.0
5-Jun-02	-	-	-	-	-	ND	154	-	-	-	33.2
12-Dec-02	0.108	ND	0.031	0.272	ND	ND	165	ND	ND	ND	30.0
26-Jun-03	ND	ND	0.045	0.244	ND	ND	157	ND	ND	ND	33.1
9-Dec-03	ND	ND	0.021	0.257	ND	ND	151	ND	ND	ND	17.8
24-Jun-04	0.134	-	0.048	0.325	-	-	161	-	-	-	38.6
08-Dec-04	-	-	-	-	-	< 0.005	169	-	-	-	22.3
22-Jun-05	-	-	-	-	-	< 0.005	174	-	-	-	31.5
7-Dec-05	< 0.200	< 0.060	0.050	0.282	< 0.005	< 0.005	159	< 0.01	< 0.010	< 0.01	31.9
20-Jun-06	< 0.100	< 0.060	0.022	0.241	< 0.005	< 0.005	165	< 0.01	< 0.050	< 0.02	31.6
7-Dec-06	-	-	-	-	-	< 0.005	161	-	-	-	31.6
28-Jun-07	-	-	-	-	-	< 0.005	161	-	-	-	28.0
11-Dec-07	< 0.100	< 0.060	0.036	0.247	< 0.005	< 0.005	151	< 0.01	< 0.050	< 0.02	29.8
18-Jun-08	< 0.100	< 0.060	0.030	0.212	< 0.005	< 0.005	154	< 0.01	< 0.050	< 0.02	28.8
10-Dec-08	-	-	-	-	-	< 0.005	156	-	-	-	14.2
10-Jun-09	-	-	-	-	-	< 0.005	163	-	-	-	34.5
8-Dec-09	< 0.100	< 0.060	0.021	0.185	< 0.005	< 0.005	148	< 0.01	< 0.050	< 0.02	12.7
9-Jun-10	< 0.100	< 0.060	0.047	0.265	< 0.005	< 0.005	157	< 0.01	< 0.050	< 0.02	35.6
9-Dec-10	-	-	-	-	-	< 0.005	149	-	-	-	24.3
8-Jun-11	-	-	-	-	-	< 0.005	158	-	-	-	37.8
13-Dec-11	< 0.100	< 0.060	0.020	0.209	< 0.005	< 0.005	159	< 0.01	< 0.050	< 0.02	20.4
20-Jun-12	< 0.100	< 0.060	0.027	0.193	< 0.005	< 0.005	155	< 0.01	< 0.050	< 0.02	23.5
12-Dec-12	-	-	-	-	-	< 0.005	157	-	-	-	23.4
20-Jun-13	-	-	-	-	-	< 0.005	159	-	-	-	31.1
12-Dec-13	< 0.100	< 0.060	0.021	0.202	< 0.003	< 0.005	145	< 0.01	< 0.050	< 0.02	18.0
18-Jun-14	< 0.100	< 0.060	0.049	0.259	< 0.003	< 0.005	160	< 0.01	< 0.050	< 0.02	39.7
9-Dec-14	-	-	-	-	-	< 0.005	159	-	-	-	18.1
17-Jun-15	-	-	-	-	-	< 0.005	158	-	-	-	35.0
16-Dec-15	< 0.100	< 0.060	0.018	0.187	< 0.003	< 0.005	154	< 0.01	< 0.050	< 0.02	11.0
21-Jun-16	< 0.100	< 0.060	0.031	0.189	< 0.003	< 0.005	144	< 0.01	< 0.050	< 0.02	25.8
13-Dec-16	< 0.100	< 0.060	0.029	0.210	< 0.003	< 0.005	145	< 0.01	< 0.050	< 0.02	26.2
20-Jun-17	-	-	-	-	-	< 0.005	163	-	-	-	40.2
13-Dec-17	-	-	-	-	-	< 0.005	163	-	-	-	20.7
21-Jun-18	< 0.100	< 0.060	0.044	0.240	< 0.003	< 0.005	165	< 0.01	< 0.050	< 0.02	31.6
12-Dec-18	-	-	-	-	-	< 0.005	164	-	-	-	26.7
19-Jun-19	-	-	-	-	-	< 0.005	157	-	-	-	35.9
18-Dec-19	< 0.100	< 0.060	0.016	0.192	< 0.003	< 0.005	158	< 0.01	< 0.050	< 0.02	13.4
24-Jun-20	< 0.100	< 0.060	0.045	0.263	< 0.003	< 0.005	152	< 0.01	< 0.050	< 0.02	36.4
8-Dec-20	-	-	-	-	-	< 0.005	148	-	-	-	26.3
25-Jun-21	-	-	-	-	-	< 0.005	149	-	-	-	33.8
21-Dec-21	< 0.100	< 0.060	0.033	0.210	< 0.003	< 0.005	146	< 0.01	< 0.050	< 0.02	29.4
23-Jun-22	< 0.100	< 0.060	0.040	0.209	< 0.003	< 0.005	150	< 0.01	< 0.050	< 0.020	31.1
13-Dec-22	-	-	-	-	-	< 0.005	145	-	-	-	14.4

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

		TOTAL METALS										
GROUNDWATER UPPER AQUIFER	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	0.0005	0.014	2
TRIGGER VALUES	0.007	147	1.5	-	0.08	59	911.62	0.013	-	-	-	0.06
<i>Monitoring Well</i> MW-5S												
7-Jun-99	ND	57.1	1.040	ND	ND	8.67	101.0	ND	ND	ND	ND	ND
9-Dec-99	ND	60.1	0.796	ND	ND	20.50	137.0	ND	ND	ND	ND	ND
5-Apr-00	ND	59.8	1.060	ND	ND	10.50	120.0	0.010	ND	ND	ND	ND
20-Sep-00	ND	56.9	1.110	ND	ND	8.30	119.0	0.006	ND	ND	ND	ND
21-Jun-01	ND	56.9	1.020	ND	ND	7.51	96.7	ND	ND	ND	ND	ND
9-Jan-02	ND	59.6	0.959	-	-	7.62	118.0	-	-	-	-	-
5-Jun-02	ND	54.1	0.928	-	-	6.85	103.0	-	-	-	-	-
12-Dec-02	ND	61.6	0.969	ND	ND	6.92	112.0	ND	ND	ND	ND	ND
26-Jun-03	ND	57.6	1.150	ND	ND	6.21	102.0	ND	ND	ND	ND	ND
9-Dec-03	ND	54.9	0.850	ND	ND	6.49	121.0	ND	ND	ND	ND	ND
24-Jun-04	-	58.7	1.030	-	-	6.32	109.0	-	-	-	-	-
08-Dec-04	< 0.005	56.1	0.869	-	-	6.68	120.0	-	-	-	-	-
22-Jun-05	< 0.005	64.1	1.050	-	-	5.74	109.0	-	-	-	-	-
7-Dec-05	< 0.005	57.9	0.956	< 0.0003	< 0.040	6.07	113.0	< 0.005	< 0.01	< 0.006	< 0.010	< 0.02
20-Jun-06	< 0.005	61.1	1.030	< 0.0003	< 0.040	5.50	103.0	< 0.010	< 0.01	< 0.010	< 0.050	< 0.02
7-Dec-06	< 0.005	60.0	0.905	-	-	5.90	120.0	-	-	-	-	-
28-Jun-07	< 0.005	56.4	0.944	-	-	4.66	96.0	-	-	-	-	-
11-Dec-07	< 0.005	57.5	0.864	< 0.0003	< 0.040	5.63	107.0	< 0.010	< 0.01	< 0.010	< 0.050	< 0.02
18-Jun-08	< 0.005	55.3	0.883	< 0.0003	< 0.040	4.70	98.4	< 0.010	< 0.01	< 0.010	< 0.050	< 0.02
10-Dec-08	< 0.005	57.7	0.846	-	0.040	4.87	104.0	-	0.01	-	-	-
10-Jun-09	< 0.005	57.7	0.887	-	-	4.60	97.3	-	-	-	-	-
8-Dec-09	< 0.005	60.0	0.784	< 0.0003	< 0.040	5.20	104.0	< 0.010	< 0.01	< 0.010	< 0.050	< 0.02
9-Jun-10	< 0.005	56.8	0.860	< 0.0003	< 0.040	4.50	101.0	< 0.010	< 0.01	< 0.010	< 0.050	< 0.02
9-Dec-10	< 0.005	54.8	0.787	-	-	5.20	92.1	-	-	-	-	-
8-Jun-11	< 0.005	56.1	0.810	-	-	4.90	108.0	-	-	-	-	-
13-Dec-11	< 0.005	59.3	0.817	< 0.0002	< 0.040	5.20	107.0	< 0.010	< 0.01	< 0.010	< 0.050	< 0.02
20-Jun-12	< 0.005	57.4	0.822	< 0.0002	< 0.040	4.80	99.5	< 0.010	< 0.01	< 0.010	< 0.050	< 0.02
12-Dec-12	< 0.005	58.5	0.827	-	-	5.10	106.0	-	-	-	-	-
20-Jun-13	< 0.005	58.1	0.840	-	-	4.50	97.1	-	-	-	-	-
12-Dec-13	< 0.005	56.4	0.756	< 0.0002	< 0.040	4.80	100.0	< 0.010	< 0.01	< 0.010	< 0.050	< 0.02
18-Jun-14	< 0.005	57.4	0.760	< 0.0002	< 0.040	5.00	109.0	< 0.010	< 0.01	< 0.010	< 0.050	< 0.02
9-Dec-14	< 0.005	59.7	0.771	-	-	4.80	110.0	-	-	-	-	-
17-Jun-15	< 0.005	56.7	0.770	-	-	4.60	101.0	-	-	-	-	-
16-Dec-15	< 0.005	52.8	0.671	< 0.0002	< 0.040	4.46	102.0	< 0.010	< 0.01	< 0.010	< 0.050	< 0.02
21-Jun-16	< 0.005	47.7	0.669	< 0.0002	< 0.040	4.60	99.7	< 0.010	< 0.01	< 0.010	< 0.050	< 0.02
13-Dec-16	< 0.005	56.0	0.782	< 0.0002	< 0.040	4.80	96.3	< 0.010	< 0.01	< 0.010	< 0.050	< 0.02
20-Jun-17	< 0.005	57.3	0.749	-	-	4.90	105.0	-	-	-	-	-
13-Dec-17	< 0.005	59.8	0.712	-	-	5.10	105.0	-	-	-	-	-
21-Jun-18	< 0.005	59.0	0.759	< 0.0002	< 0.040	4.77	102.0	< 0.010	< 0.01	< 0.010	< 0.050	< 0.02
12-Dec-18	< 0.005	58.4	0.752	-	-	5.00	103.0	-	-	-	-	-
19-Jun-19	< 0.005	55.5	0.750	-	-	5.10	94.8	-	-	-	-	-
18-Dec-19	< 0.005	57.5	0.689	< 0.0002	< 0.040	4.54	95.9	< 0.010	< 0.01	< 0.010	< 0.050	< 0.02
24-Jun-20	< 0.005	57.8	0.752	< 0.0002	< 0.040	4.45	96.1	< 0.010	< 0.01	< 0.010	< 0.050	< 0.02
8-Dec-20	< 0.005	56.6	0.700	-	-	4.40	94.2	-	-	-	-	-
25-Jun-21	< 0.005	56.3	0.703	-	-	4.20	94.0	-	-	-	-	-
21-Dec-21	< 0.005	54.8	0.691	< 0.0002	< 0.040	4.28	96.0	< 0.010	< 0.01	< 0.010	< 0.050	< 0.02
23-Jun-22	< 0.005	55.9	0.719	< 0.0002	< 0.040	4.18	90.5	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
13-Dec-22	< 0.005	54.3	0.652	-	-	4.10	92.0	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS											
GROUNDWATER UPPER AQUIFER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-5S											
7-Jun-99	-	-	-	-	-	-	-	-	-	-	-
9-Dec-99	-	-	-	-	-	-	-	-	-	-	-
5-Apr-00	-	-	-	-	-	-	-	-	-	-	-
20-Sep-00	-	-	-	-	-	-	-	-	-	-	-
21-Jun-01	-	-	-	-	-	-	-	-	-	-	-
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-
12-Dec-02	-	-	-	-	-	-	-	-	-	-	-
26-Jun-03	-	-	-	-	-	-	-	-	-	-	-
9-Dec-03	-	-	-	-	-	-	-	-	-	-	-
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-
08-Dec-04	-	-	-	-	-	-	-	-	-	-	-
22-Jun-05	-	-	-	-	-	-	-	-	-	-	-
7-Dec-05	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-
7-Dec-06	-	-	-	-	-	-	-	-	-	-	-
28-Jun-07	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-
18-Jun-08	-	-	-	-	-	-	-	-	-	-	-
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-
10-Jun-09	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-
9-Jun-10	-	-	-	-	-	-	-	-	-	-	-
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-
20-Jun-12	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-
20-Jun-13	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	-	-	-	-	-	-	-	-	-	-	-
18-Jun-14	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	-	-	-	-	-	-	-	-	-	-	-
21-Jun-16	-	-	-	-	-	-	-	-	-	-	-
13-Dec-16	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	-	-	-	-	-	-	-	-	-	-	-
24-Jun-20	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS												
GROUNDWATER UPPER AQUIFER	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	-	0.014	2
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-5S												
7-Jun-99	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
5-Apr-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Sep-00	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-01	-	-	-	-	-	-	-	-	-	-	-	-
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-02	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-03	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
08-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
28-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-10	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-12	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-14	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-16	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											
	Acetone (ug/l)	Benzene (ug/l)	Bromo-dichloro-methane (ug/l)	Bromo-form (ug/l)	Bromo-methane (ug/l)	2-Butanone (MEK) (ug/l)	Carbon Disulfide (ug/l)	Carbon-Tetra-chloride (ug/l)	Chloro-benzene (ug/l)	Chloro-ethane (ug/l)	Chloro-form (ug/l)	Chloro-methane (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	1	50	50	5	50	60	5	5	5	7	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-5S</i>												
7-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Dec-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
08-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-05	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-06	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
7-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
28-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
18-Jun-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Jun-10	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
18-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
16-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
21-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
13-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
24-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	Dibromo- chloro- methane	Dichloro- difluoro- methane	1,1- Dichloro- ethane	1,2- Dichloro- ethane	1,1- Dichloro- ethene	Cis-1,2- Dichloro- ethene	Trans-1,2- Dichloro- ethene	1,2- Dichloro- propane	Cis-1,3- Dichloro- propene	Trans-1,3- Dichloro- propene	Ethyl- benzene	2- Hexanone	Methylene- Chloride
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	5	5	0.6	5	5	5	1	0.4	0.4	5	50	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-5S													
7-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Dec-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-	-
08-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-05	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-06	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
7-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-	-
28-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
18-Jun-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Jun-10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
18-Jun-14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Dec-14	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
17-Jun-15	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
16-Dec-15	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
21-Jun-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
13-Dec-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
24-Jun-20	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-22	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											SUM OF ORGANIC COMPNDS (DETECTED)
	4-Methyl-2-Pentanone (ug/l)	Styrene (ug/l)	1,1,2,2-Tetrachloroethane (ug/l)	Tetra-chloro-ethene (ug/l)	Toluene (ug/l)	1,1,1-Trichloro-ethane (ug/l)	1,1,2-Trichloro-ethane (ug/l)	Trichloro-ethene (ug/l)	Vinyl Chloride (ug/l)	O-Xylene (ug/l)	M & P-Xylene (ug/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-5S</i>												
7-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
9-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
5-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
20-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
21-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
26-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
9-Dec-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-	0
08-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-05	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
7-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
28-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
18-Jun-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Jun-10	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
18-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
16-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
21-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
13-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
24-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP. (deg. F)	Eh (mV)	DISS OX (mg/L)	pH (Std units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Pt/Cl)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	6.5 -- 8.5	-	-	-	-	-	500	250	250
TRIGGER VALUES	64	389	176	10.4	5152	136	67	1501	1000	2783	1162	142
<i>Monitoring Well MW-12M</i>												
7-Jun-99	57.47	-10.6	21.47	10.31	271	18.4	5	106	141	101	2.93	10.6
9-Dec-99	51.38	-82.1	96.20	8.15	423	13.5	ND	308	404	354	1.50	10.6
3-Apr-00	51.60	-114.9	30.40	7.61	459	1.2	15	296	230	308	1.85	11.4
21-Sep-00	52.90	-155.3	39.15	10.46	507	2.9	15	301	253	317	2.43	15.6
8-Jan-02	49.10	-	-	7.99	546	< 50.0	-	260	254	313	1.95	13.0
5-Jun-02	62.60	265.0	5.32	7.45	544	22.5	-	380	349	388	2.30	11.7
11-Dec-02	50.83	-92.0	6.19	7.62	435	187.0	5	358	350	366	ND	14.0
24-Jun-03	59.13	-111.1	0.39	6.98	161	1.3	15	406	380	413	ND	12.3
11-Dec-03	50.70	-	1.94	7.76	729	0.8	-	409	360	412	3.04	11.9
23-Jun-04	56.30	-110.0	0.47	7.68	680	9.0	5	420	375	408	2.39	10.3
6-Dec-04	49.46	-58.0	-	7.72	625	0.6	-	400	360	416	2.32	13.8
23-Jun-05	64.22	-49.0	0.68	7.75	732	2.1	-	680	615	884	2.30	10.7
05-Dec-05	49.10	-96.0	1.45	7.61	870	1.0	5	410	390	418	2.33	13.6
21-Jun-06	54.68	-98.0	0.33	7.55	745	2.9	5	405	508	412	2.82	11.0
07-Dec-06	49.64	6.0	0.57	7.41	757	0.2	-	382	382	408	2.28	11.2
26-Jun-07	57.60	-140.0	0.53	7.75	680	2.0	-	375	350	385	3.01	12.8
11-Dec-07	49.82	-67.0	0.51	7.61	629	1.3	< 5	398	346	405	< 2.00	11.9
19-Jun-08	51.80	-143.0	0.79	7.68	740	3.7	5	410	442	420	2.08	11.6
08-Dec-08	48.20	-130.0	0.80	7.56	715	0.3	-	404	415	407	2.64	12.8
10-Jun-09	50.90	-101.0	0.27	7.31	745	1.5	-	402	371	416	2.70	13.5
07-Dec-09	49.82	-121.0	0.42	7.11	385	2.5	15	404	400	398	3.20	14.1
07-Jun-10	51.80	-150.0	0.22	7.47	630	1.8	5	399	460	413	4.20	16.4
06-Dec-10	47.12	-149.0	0.62	6.77	700	0.4	-	389	460	421	2.50	17.1
07-Jun-11	56.30	-36.0	0.53	6.96	678	5.3	-	400	369	411	2.70	14.1
12-Dec-11	51.98	-152.0	0.69	7.34	702	2.5	19	390	422	399	3.10	15.8
18-Jun-12	56.30	-184.0	1.11	7.53	775	3.8	27	383	380	402	3.10	12.5
12-Dec-12	50.54	-134.0	0.49	7.46	735	1.1	-	400	380	400	2.90	15.4
18-Jun-13	51.80	-151.0	1.15	7.49	705	3.4	-	410	369	398	2.70	13.7
09-Dec-13	50.72	-124.0	0.40	7.19	775	1.6	24	400	420	402	2.90	10.6
16-Jun-14	53.78	-158.0	0.91	7.25	120.1	1.4	19	385	400	400	2.90	12.2
08-Dec-14	44.60	-112.0	0.45	7.20	695	3.5	-	433	383	395	2.80	9.0
16-Jun-15	52.16	-123.0	0.50	7.35	715	3.5	-	400	400	410	3.10	15.5
15-Dec-15	51.08	-97.0	0.42	7.44	700	1.1	16	385	341	388	2.90	13.9
22-Jun-16	51.80	-117.0	0.38	7.52	710	3.0	20	379	358	396	3.10	12.4
14-Dec-16	48.38	-123.0	0.55	7.30	710	1.4	22	379	342	381	3.60	12.5
20-Jun-17	52.52	-135.0	0.40	7.49	710	0.7	-	386	363	395	2.90	12.3
12-Dec-17	48.74	-107.0	0.50	7.39	694	2.2	-	373	375	386	3.20	12.4
20-Jun-18	51.62	-166.0	0.43	7.57	668	2.1	39	344	< 6.62	381	2.90	11.7
11-Dec-18	50.72	-83.0	0.55	7.59	735	3.4	-	344	348	390	2.80	10.9
19-Jun-19	53.24	-111.0	0.25	7.59	687	2.0	-	373	343	388	2.70	12.8
19-Dec-19	48.38	-77.0	1.97	7.53	678	3.9	12	357	342	399	3.30	13.3
22-Jun-20	55.40	-129.0	0.53	7.72	670	2.3	15	357	348	399	2.90	12.7
07-Dec-20	49.82	-82.0	2.18	7.48	687	1.8	-	348	348	391	2.90	10.3
24-Jun-21	53.96	-119.0	0.60	7.72	661	0.7	-	363	341	379	3.10	20.3
20-Dec-21	50.36	-90.0	0.88	7.39	708	0.6	4	386	366	410	3.30	15.6
22-Jun-22	54.14	-120.0	0.76	7.80	596	0.7	1	334	289	333	2.70	12.5
13-Dec-22	49.46	-90.0	0.79	7.43	687	1.4	-	393	362	404	2.80	13.3

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

INORGANIC PARAMETERS

GROUNDWATER UPPER AQUIFER	Br	BORON	Cr+6	NO3-N	NH3-N	TKN	COD	BOD-5	TOC	TOTAL PHENOLS	TOTAL CYANIDE
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	2	1	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	2.3	0.9	0.01	2.8	66	71	127.7	38	39.6	0.0053	-
<i>Monitoring Well MW-12M</i>											
7-Jun-99	ND	ND	ND	ND	1.02	1.510	ND	ND	2.08	ND	ND
9-Dec-99	ND	ND	ND	0.91	0.41	0.703	ND	3.42	2.20	ND	ND
3-Apr-00	ND	ND	ND	0.75	0.31	0.262	ND	ND	1.84	ND	ND
21-Sep-00	ND	ND	ND	3.63	0.24	0.397	8.06	ND	1.32	ND	ND
8-Jan-02	ND	-	-	0.82	0.19	0.324	ND	ND	1.75	ND	-
5-Jun-02	ND	-	-	0.71	0.26	0.443	7.06	ND	2.03	ND	-
11-Dec-02	ND	ND	ND	0.75	0.23	0.402	ND	ND	1.47	ND	ND
24-Jun-03	ND	ND	ND	ND	0.80	0.959	7.66	ND	2.22	ND	ND
11-Dec-03	ND	-	-	0.70	0.27	0.421	6.01	ND	1.83	ND	-
23-Jun-04	-	-	-	-	0.56	0.708	-	3.05	1.77	-	-
6-Dec-04	< 1.00	-	-	0.51	0.28	0.399	5.46	2.00	1.78	< 0.005	-
23-Jun-05	< 1.00	-	-	< 0.50	3.21	4.900	74.20	25.90	21.00	< 0.005	-
05-Dec-05	< 1.00	< 0.10	< 0.01	< 0.50	0.57	0.630	< 5.00	< 2.00	< 1.00	< 0.005	< 0.010
21-Jun-06	< 1.00	< 0.20	< 0.01	0.76	0.17	0.234	15.90	< 2.00	1.77	< 0.005	< 0.010
07-Dec-06	< 1.00	-	-	0.65	0.29	0.589	< 5.00	< 2.00	1.56	< 0.005	-
26-Jun-07	< 1.00	-	-	< 0.50	0.28	0.449	< 5.00	< 2.00	1.52	< 0.005	-
11-Dec-07	< 1.00	< 0.20	< 0.01	< 0.50	0.31	0.735	< 5.00	< 2.00	1.92	< 0.005	< 0.010
19-Jun-08	< 1.00	< 0.20	< 0.01	< 0.50	0.75	1.150	< 5.00	< 2.00	2.08	< 0.005	< 0.010
08-Dec-08	< 1.00	-	-	0.81	0.38	0.488	< 5.00	< 2.00	1.68	< 0.005	-
10-Jun-09	< 1.00	-	-	< 0.50	0.32	0.520	< 5.00	< 2.00	3.40	< 0.005	-
07-Dec-09	< 1.00	< 0.20	< 0.01	0.89	0.23	0.430	< 5.00	< 2.00	2.90	< 0.005	< 0.010
07-Jun-10	< 1.00	< 0.20	< 0.01	< 0.50	0.30	0.590	< 5.00	< 2.00	3.20	< 0.005	< 0.010
06-Dec-10	< 1.00	-	-	< 1.00	0.75	1.010	5.60	< 2.00	1.80	< 0.005	-
07-Jun-11	< 1.00	-	-	< 1.00	0.48	0.680	< 5.00	< 2.00	1.60	< 0.005	-
12-Dec-11	< 1.00	< 0.20	< 0.01	< 1.00	0.28	0.440	< 5.00	< 2.00	1.70	< 0.005	< 0.010
18-Jun-12	< 1.00	< 0.20	< 0.01	< 1.00	0.96	1.190	10.70	< 2.00	2.20	0.012	< 0.010
12-Dec-12	< 1.00	-	-	< 1.00	0.76	0.920	< 5.00	< 2.00	1.90	< 0.005	-
18-Jun-13	< 1.00	-	-	< 1.00	0.42	0.780	8.50	5.50	2.40	< 0.005	-
09-Dec-13	< 1.00	< 0.20	< 0.01	< 1.00	0.97	1.320	< 5.00	3.30	1.90	< 0.005	< 0.010
16-Jun-14	< 1.00	< 0.20	< 0.01	< 1.00	0.94	1.400	40.00	2.40	2.80	< 0.005	< 0.010
08-Dec-14	< 1.00	-	-	< 1.00	1.35	1.310	< 5.00	3.50	1.90	< 0.005	-
16-Jun-15	< 1.00	-	-	< 1.00	0.66	0.820	9.70	3.40	1.90	< 0.005	-
15-Dec-15	< 1.00	< 0.20	< 0.01	< 1.00	0.23	0.430	6.50	< 2.00	1.60	< 0.005	< 0.010
22-Jun-16	< 1.00	< 0.20	< 0.01	< 1.00	0.24	0.440	< 5.00	< 2.00	1.50	< 0.005	< 0.010
14-Dec-16	< 1.00	< 0.20	< 0.01	< 1.00	0.40	0.550	< 5.00	< 2.00	2.80	< 0.005	< 0.010
20-Jun-17	< 1.00	-	-	< 1.00	0.66	0.710	8.10	< 2.00	1.20	< 0.005	-
12-Dec-17	< 1.00	-	-	< 1.00	0.36	0.330	9.10	< 2.00	2.00	< 0.005	-
20-Jun-18	< 1.00	< 0.20	< 0.01	< 1.00	0.33	0.590	5.30	< 2.00	9.80	< 0.005	< 0.010
11-Dec-18	< 1.00	-	-	< 1.00	0.19	0.250	< 5.00	< 2.00	2.00	< 0.005	-
19-Jun-19	< 1.00	-	-	< 1.00	0.28	0.400	< 5.00	< 2.00	2.10	< 0.005	-
19-Dec-19	< 1.00	< 0.20	< 0.01	< 1.00	0.17	0.290	9.50	< 2.00	1.30	< 0.005	< 0.010
22-Jun-20	< 1.00	0.07	< 0.01	< 1.00	0.18	0.220	6.10	< 2.00	1.30	< 0.005	< 0.005
07-Dec-20	< 1.00	-	-	< 1.00	0.76	0.810	< 5.00	< 2.00	1.50	< 0.005	-
24-Jun-21	< 1.00	-	-	< 1.00	0.25	0.540	5.90	2.10	1.50	< 0.005	-
20-Dec-21	< 1.00	< 0.20	< 0.01	< 1.00	0.24	0.450	< 5.00	< 2.00	1.20	< 0.005	< 0.005
22-Jun-22	< 1.00	< 0.20	< 0.01	< 1.00	0.11	0.240	< 5.00	< 2.00	1.10	< 0.005	< 0.005
13-Dec-22	< 1.00	-	-	< 1.00	0.66	0.920	< 5.00	< 2.00	1.10	< 0.005	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

TOTAL METALS											
GROUNDWATER UPPER AQUIFER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.01	0.2	0.30
TRIGGER VALUES	3.9	-	0.033	3.0	-	-	199.6	0.02	-	-	34.3
<i>Monitoring Well MW-12M</i>											
7-Jun-99	0.136	ND	ND	0.344	ND	ND	36.4	ND	ND	ND	0.6
9-Dec-99	ND	ND	ND	0.389	ND	ND	40.7	ND	ND	ND	0.4
3-Apr-00	ND	ND	ND	0.296	ND	ND	39.8	ND	ND	ND	0.4
21-Sep-00	ND	ND	ND	0.354	ND	ND	50.6	ND	ND	ND	0.8
8-Jan-02	-	-	-	-	-	ND	55.4	-	-	-	0.3
5-Jun-02	-	-	-	-	-	ND	82.8	-	-	-	0.5
11-Dec-02	ND	ND	ND	0.441	ND	ND	74.4	ND	ND	ND	0.5
24-Jun-03	ND	ND	ND	0.576	ND	ND	90.3	ND	ND	ND	2.4
11-Dec-03	-	-	-	-	-	ND	87.1	-	-	-	0.7
23-Jun-04	-	-	-	0.539	-	-	95.1	-	-	-	1.4
6-Dec-04	-	-	-	-	-	< 0.005	95.7	-	-	-	0.7
23-Jun-05	-	-	-	-	-	< 0.005	179.0	-	-	-	20.3
05-Dec-05	< 0.200	< 0.060	0.007	0.519	< 0.005	< 0.005	90.8	< 0.010	< 0.010	< 0.010	1.0
21-Jun-06	< 0.100	< 0.060	< 0.010	0.502	< 0.005	< 0.005	96.8	< 0.010	< 0.050	< 0.020	0.5
07-Dec-06	-	-	-	-	-	< 0.005	93.6	-	-	-	6.6
26-Jun-07	-	-	-	-	-	< 0.005	79.8	-	-	-	0.5
11-Dec-07	< 0.100	< 0.060	< 0.010	0.460	< 0.005	< 0.005	81.3	< 0.010	< 0.050	< 0.020	0.6
19-Jun-08	< 0.100	< 0.060	< 0.010	0.508	< 0.005	< 0.005	89.0	< 0.010	< 0.050	< 0.020	2.0
08-Dec-08	-	-	-	-	-	< 0.005	89.1	-	-	-	1.1
10-Jun-09	-	-	-	-	-	< 0.005	95.3	-	-	-	0.8
07-Dec-09	< 0.100	< 0.060	< 0.010	0.455	< 0.005	< 0.005	85.4	< 0.010	< 0.050	< 0.020	0.8
07-Jun-10	< 0.100	< 0.060	< 0.010	0.475	< 0.005	< 0.005	86.0	< 0.010	< 0.050	< 0.020	0.7
06-Dec-10	-	-	-	-	-	< 0.005	92.5	-	-	-	2.9
07-Jun-11	-	-	-	-	-	< 0.005	88.0	-	-	-	1.2
12-Dec-11	< 0.100	< 0.060	< 0.010	0.497	< 0.005	< 0.005	86.9	< 0.010	< 0.050	< 0.020	1.2
18-Jun-12	< 0.100	< 0.060	< 0.010	0.720	< 0.005	< 0.005	91.1	< 0.010	< 0.050	< 0.020	6.1
12-Dec-12	-	-	-	-	-	< 0.005	89.3	-	-	-	2.6
18-Jun-13	-	-	-	-	-	< 0.005	87.9	-	-	-	2.4
09-Dec-13	< 0.100	< 0.060	< 0.010	0.586	< 0.003	< 0.005	85.9	< 0.010	< 0.050	< 0.020	1.9
16-Jun-14	< 0.100	< 0.060	< 0.010	0.630	< 0.003	< 0.005	98.5	< 0.010	< 0.050	< 0.020	5.2
08-Dec-14	-	-	-	-	-	< 0.005	87.8	-	-	-	1.7
16-Jun-15	-	-	-	-	-	< 0.005	87.9	-	-	-	2.1
15-Dec-15	< 0.100	< 0.060	< 0.010	0.418	< 0.003	< 0.005	87.0	< 0.010	< 0.050	< 0.020	0.7
22-Jun-16	< 0.100	< 0.060	< 0.010	0.438	< 0.003	< 0.005	92.9	< 0.010	< 0.050	< 0.020	1.2
14-Dec-16	< 0.100	< 0.060	< 0.010	0.471	< 0.003	< 0.005	84.5	< 0.010	< 0.050	< 0.020	0.9
20-Jun-17	-	-	-	-	-	< 0.005	91.2	-	-	-	0.9
12-Dec-17	-	-	-	-	-	< 0.005	93.7	-	-	-	0.8
20-Jun-18	< 0.100	< 0.060	< 0.010	0.480	< 0.003	< 0.005	82.3	< 0.010	< 0.050	< 0.020	1.3
11-Dec-18	-	-	-	-	-	< 0.005	86.5	-	-	-	0.9
19-Jun-19	-	-	-	-	-	< 0.005	84.5	-	-	-	0.8
19-Dec-19	< 0.100	< 0.060	< 0.010	0.459	< 0.003	< 0.005	84.5	< 0.010	< 0.050	< 0.020	0.4
22-Jun-20	< 0.100	< 0.060	< 0.010	0.467	< 0.003	< 0.005	86.3	< 0.010	< 0.050	< 0.020	0.5
07-Dec-20	-	-	-	-	-	< 0.005	88.2	-	-	-	2.1
24-Jun-21	-	-	-	-	-	< 0.005	81.5	-	-	-	0.5
20-Dec-21	< 0.100	< 0.060	< 0.010	0.512	< 0.003	< 0.005	92.6	< 0.010	< 0.050	< 0.020	0.4
22-Jun-22	< 0.100	< 0.060	< 0.010	0.380	< 0.003	< 0.005	61.3	< 0.010	< 0.050	< 0.020	2.3
13-Dec-22	-	-	-	-	-	< 0.005	90.9	-	-	-	1.8

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS												
GROUNDWATER UPPER AQUIFER	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	0.0005	0.014	2
TRIGGER VALUES	0.007	147	1.5	-	0.08	59	911.6	0.013	-	-	-	0.06
<i>Monitoring Well MW-12M</i>												
7-Jun-99	ND	10.3	0.023	ND	ND	5.37	20.1	ND	ND	ND	ND	ND
9-Dec-99	ND	32.4	0.024	ND	ND	4.71	22.0	ND	ND	ND	ND	ND
3-Apr-00	ND	30.3	0.027	ND	ND	4.08	20.2	ND	ND	ND	ND	ND
21-Sep-00	ND	30.1	0.033	ND	ND	3.58	20.9	0.007	ND	ND	ND	0.025
8-Jan-02	ND	30.6	0.028	-	-	3.46	20.9	-	-	-	-	-
5-Jun-02	ND	33.3	0.037	-	-	2.75	18.4	-	-	-	-	-
11-Dec-02	ND	34.1	0.032	ND	ND	2.77	19.4	ND	ND	ND	ND	ND
24-Jun-03	ND	33.3	0.106	ND	ND	2.17	17.2	ND	ND	ND	ND	ND
11-Dec-03	ND	33.0	0.065	-	-	2.32	18.5	-	-	-	-	-
23-Jun-04	-	33.9	0.104	-	-	2.23	19.3	-	-	-	-	-
6-Dec-04	< 0.005	34.7	0.044	-	-	2.28	20.2	-	-	-	-	-
23-Jun-05	< 0.005	45.8	0.934	-	-	4.39	102.0	-	-	-	-	-
05-Dec-05	< 0.005	33.0	0.084	< 0.0003	< 0.040	1.52	21.3	< 0.005	< 0.01	< 0.006	< 0.010	< 0.020
21-Jun-06	< 0.005	36.4	0.076	< 0.0003	< 0.040	2.07	21.3	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
07-Dec-06	< 0.005	34.8	0.055	-	-	< 2.00	21.3	-	-	-	-	-
26-Jun-07	< 0.005	32.8	0.036	-	-	2.02	22.7	-	-	-	-	-
11-Dec-07	< 0.005	32.9	0.040	< 0.0003	< 0.040	< 2.00	20.5	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
19-Jun-08	< 0.005	33.0	0.136	< 0.0003	< 0.040	< 2.00	17.7	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
08-Dec-08	< 0.005	34.0	0.040	-	-	< 2.00	19.3	-	0.01	-	-	-
10-Jun-09	< 0.005	35.3	0.119	-	-	< 2.00	17.6	-	-	-	-	-
07-Dec-09	< 0.005	33.9	0.022	< 0.0003	< 0.040	< 2.00	19.4	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
07-Jun-10	< 0.005	33.1	0.088	< 0.0003	< 0.040	< 2.00	19.0	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
06-Dec-10	< 0.005	33.7	0.067	-	-	< 2.00	16.6	-	-	-	-	-
07-Jun-11	< 0.005	33.2	0.101	-	-	< 2.00	18.6	-	-	-	-	-
12-Dec-11	< 0.005	32.6	0.035	< 0.0002	< 0.040	< 2.00	19.3	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
18-Jun-12	< 0.005	34.3	0.104	< 0.0002	< 0.040	< 2.00	18.2	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
12-Dec-12	< 0.005	32.7	0.073	-	-	< 2.00	18.2	-	-	-	-	-
18-Jun-13	< 0.005	33.7	0.131	-	-	< 2.00	19.6	-	-	-	-	-
09-Dec-13	< 0.005	32.7	0.069	< 0.0002	< 0.040	< 2.00	18.6	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
16-Jun-14	< 0.005	36.3	0.080	< 0.0002	< 0.040	< 2.00	18.4	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
08-Dec-14	< 0.005	33.9	0.072	-	-	< 2.00	19.8	-	-	-	-	-
16-Jun-15	< 0.005	32.0	0.075	-	-	2.20	18.5	-	-	-	-	-
15-Dec-15	< 0.005	29.9	0.040	< 0.0002	< 0.040	< 2.00	19.7	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
22-Jun-16	< 0.005	30.7	0.145	< 0.0002	< 0.040	< 2.00	20.4	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
14-Dec-16	< 0.005	31.9	0.045	< 0.0002	< 0.040	< 2.00	19.9	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
20-Jun-17	< 0.005	32.9	0.116	-	-	< 2.00	19.9	-	-	-	-	-
12-Dec-17	< 0.005	34.2	0.051	-	-	< 2.00	20.8	-	-	-	-	-
20-Jun-18	< 0.005	33.7	0.133	< 0.0002	< 0.040	< 2.00	20.5	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
11-Dec-18	< 0.005	31.9	0.033	-	-	< 2.00	19.8	-	-	-	-	-
19-Jun-19	< 0.005	32.0	0.116	-	-	< 2.00	18.7	-	-	-	-	-
19-Dec-19	< 0.005	31.1	0.019	< 0.0002	< 0.040	< 2.00	18.4	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
22-Jun-20	< 0.005	32.1	0.050	< 0.0002	< 0.040	1.43	19.2	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
07-Dec-20	< 0.005	31.1	0.069	-	-	< 2.00	19.8	-	-	-	-	-
24-Jun-21	< 0.005	33.5	0.025	-	-	< 2.00	18.1	-	-	-	-	-
20-Dec-21	< 0.005	32.7	0.046	< 0.0002	< 0.040	< 2.00	19.0	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
22-Jun-22	< 0.005	33.1	< 0.010	< 0.0002	< 0.040	< 2.00	18.9	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
13-Dec-22	< 0.005	32.8	0.056	-	-	< 2.00	15.6	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	DISSOLVED METALS										
	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-12M											
7-Jun-99	-	-	-	-	-	-	-	-	-	-	-
9-Dec-99	-	-	-	-	-	-	-	-	-	-	-
3-Apr-00	-	-	-	-	-	-	-	-	-	-	-
21-Sep-00	-	-	-	-	-	-	-	-	-	-	-
8-Jan-02	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	-	-	-	-	-	-	-	-	-	-	-
24-Jun-03	-	-	-	-	-	-	-	-	-	-	-
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-
23-Jun-04	-	-	-	-	-	-	-	-	-	-	-
6-Dec-04	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-
05-Dec-05	-	-	-	-	-	-	-	-	-	-	-
21-Jun-06	-	-	-	-	-	-	-	-	-	-	-
07-Dec-06	-	-	-	-	-	-	-	-	-	-	-
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-
08-Dec-08	-	-	-	-	-	-	-	-	-	-	-
10-Jun-09	-	-	-	-	-	-	-	-	-	-	-
07-Dec-09	-	-	-	-	-	-	-	-	-	-	-
07-Jun-10	-	-	-	-	-	-	-	-	-	-	-
06-Dec-10	-	-	-	-	-	-	-	-	-	-	-
07-Jun-11	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	-	-	-	-	-	-	-	-	-	-	-
18-Jun-12	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-
09-Dec-13	-	-	-	-	-	-	-	-	-	-	-
16-Jun-14	-	-	-	-	-	-	-	-	-	-	-
08-Dec-14	-	-	-	-	-	-	-	-	-	-	-
16-Jun-15	-	-	-	-	-	-	-	-	-	-	-
15-Dec-15	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-
22-Jun-20	-	-	-	-	-	-	-	-	-	-	-
07-Dec-20	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	-	-	-	-	-	-	-	-	-	-	-
22-Jun-22	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS												
GROUNDWATER UPPER AQUIFER	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	-	0.014	2
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-12M												
7-Jun-99	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
3-Apr-00	-	-	-	-	-	-	-	-	-	-	-	-
21-Sep-00	-	-	-	-	-	-	-	-	-	-	-	-
8-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-03	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
05-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
07-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
08-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
07-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
07-Jun-10	-	-	-	-	-	-	-	-	-	-	-	-
06-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
07-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-12	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
09-Dec-13	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-14	-	-	-	-	-	-	-	-	-	-	-	-
08-Dec-14	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-15	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-15	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-
07-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											
	Acetone (ug/l)	Benzene (ug/l)	Bromo- dichloro- methane (ug/l)	Bromo- form (ug/l)	Bromo- methane (ug/l)	2-Butanone (MEK) (ug/l)	Carbon Disulfide (ug/l)	Carbon- Tetra- chloride (ug/l)	Chloro- benzene (ug/l)	Chloro- ethane (ug/l)	Chloro- form (ug/l)	Chloro- methane (ug/l)
	6NYCRR Part 703 GROUNDWATER STANDARD	50	1	50	50	5	50	60	5	5	5	7
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-12M</i>												
7-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
05-Dec-05	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
21-Jun-06	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
07-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
19-Jun-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
08-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
07-Dec-09	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
07-Jun-10	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
06-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
07-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
18-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
09-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
16-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
08-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
16-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
15-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
14-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
07-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	Dibromo- chloro- methane (ug/l)	Dichloro- difluoro- methane (ug/l)	1,1- Dichloro- ethane (ug/l)	1,2- Dichloro- ethane (ug/l)	1,1- Dichloro- ethene (ug/l)	Cis-1,2- Dichloro- ethene (ug/l)	Trans-1,2- Dichloro- ethene (ug/l)	1,2- Dichloro- propane (ug/l)	Cis-1,3- Dichloro- propene (ug/l)	Trans-1,3- Dichloro- propene (ug/l)	Ethyl- benzene (ug/l)	2-Hexa- none (ug/l)	Methylene- Chloride (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	5	5	0.6	5	5	5	1	0.4	0.4	5	50	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-12M</i>													
7-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-	-
05-Dec-05	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
21-Jun-06	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
07-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
19-Jun-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
08-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-	-
07-Dec-09	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
07-Jun-10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
06-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
07-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
18-Jun-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
09-Dec-13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
16-Jun-14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
08-Dec-14	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
16-Jun-15	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
15-Dec-15	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
14-Dec-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-20	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
07-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-22	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											SUM OF ORGANIC COMPOUNDS (DETECTED)
	4-Methyl- 2- Pentanone (ug/l)	Styrene (ug/l)	1,1,2,2- Tetrachloro- ethane (ug/l)	Tetra- chloro- ethene (ug/l)	Toluene (ug/l)	1,1,1- Trichloro- ethane (ug/l)	1,1,2- Trichloro- ethane (ug/l)	Trichloro- ethene (ug/l)	Vinyl Chloride (ug/l)	O- Xylene (ug/l)	M & P- Xylene (ug/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-12M</i>												
7-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
9-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
3-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
21-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
8-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
24-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-04	-	-	-	-	-	-	-	-	-	-	-	0
6-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
05-Dec-05	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
21-Jun-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
07-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
19-Jun-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
08-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
07-Dec-09	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
07-Jun-10	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
06-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
07-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
18-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
09-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
16-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
08-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
16-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
15-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
14-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
07-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP.	Eh	DISS OX	pH	SP. COND.	TURB.	COLOR	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS	Cl	SO4
	(deg. F)	(mV)	(mg/L)	(Std units)	(uS/cm)	(NTU)	(Pt/Cl)			(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	6.5 -- 8.5	-	-	-	-	-	500	250	250
TRIGGER VALUES	64	389	176	10.4	5152	136	67	1501	1000	2783	1162	142
<i>Monitoring Well MW-13S</i>												
3-Jun-99	56.72	-24.7	11.96	7.29	636	15.0	5	334	363	374	31.1	20.7
9-Dec-99	53.40	142.2	96.20	8.36	475	86.0	10	351	406	443	31.5	24.4
3-Apr-00	48.00	127.6	29.80	7.24	712	17.0	5	403	440	461	23.0	23.5
21-Sep-00	59.84	-36.5	34.45	8.60	798	1.7	10	404	440	498	48.9	22.5
20-Jun-01	55.20	168.8	76.90	8.11	7711	78.5	5	362	478	537	108.0	20.2
9-Jan-02	45.50	-	-	7.46	1235	< 50.0	-	230	600	837	243.0	30.7
5-Jun-02	60.80	276.0	5.73	7.11	736	57.7	-	315	441	479	92.8	33.6
11-Dec-02	9.31	45.0	6.41	7.25	653	510.0	5	301	550	540	157.0	34.2
25-Jun-03	4.80	-58.2	3.62	7.37	300	-	5	243	279	319	24.2	28.4
11-Dec-03	58.95	418.0	1.00	6.82	670	0.2	5	291	350	421	49.8	30.3
22-Jun-04	49.40	-	4.33	7.41	717	0.4	5	372	420	465	50.8	26.8
06-Dec-04	62.06	144.0	1.08	7.54	845	7.6	-	395	450	479	55.4	23.6
21-Jun-05	47.66	54.0	-	7.47	970	3.4	-	450	520	565	63.0	28.1
5-Dec-05	59.90	-37.0	2.10	7.29	937	5.7	-	426	510	565	75.0	24.3
20-Jun-06	47.48	-2.0	2.50	7.40	875	3.2	5	340	387	406	32.6	20.5
6-Dec-06	57.20	6.0	1.49	7.82	820	4.7	5	386	424	471	37.5	19.7
26-Jun-07	49.46	27.0	1.20	7.25	867	1.0	-	455	492	511	22.6	15.9
11-Dec-07	55.60	17.0	0.57	7.66	820	5.8	-	368	450	469	42.2	18.3
17-Jun-08	48.20	64.1	8.00	6.96	620	1.7	10	300	328	356	17.0	20.7
8-Dec-08	52.20	25.0	0.88	7.39	690	8.1	5	331	370	396	23.0	20.1
8-Jun-09	52.34	32.0	0.99	6.82	805	2.7	-	389	423	474	38.3	16.3
7-Dec-09	49.28	860.0	0.75	6.70	860	3.0	10	442	498	489	43.8	17.5
7-Jun-10	55.04	-174.0	0.28	7.09	735	4.7	10	418	504	475	32.9	13.5
6-Dec-10	43.70	-68.0	2.70	6.59	815	11.8	-	379	482	453	31.7	14.1
7-Jun-11	55.04	3.0	0.69	6.62	800	5.5	-	434	458	480	22.6	12.8
12-Dec-11	52.16	17.0	0.73	7.11	740	5.0	6	402	420	414	9.1	9.6
18-Jun-12	58.10	-116.0	1.49	7.23	800	2.2	24	397	440	424	19.9	8.6
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	56.48	-40.0	0.78	7.14	655	3.8	-	342	351	388	23.4	10.3
9-Dec-13	50.54	167.0	4.86	7.06	795	2.5	14	375	520	397	22.7	7.3
16-Jun-14	62.42	-101.0	1.10	7.10	120.1	2.6	26	264	300	297	11.5	5.0
8-Dec-14	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-15	53.60	122.0	0.80	7.02	687	3.8	-	383	400	409	9.2	5.4
15-Dec-15	51.26	147.0	1.72	7.50	730	1.2	11	382	372	403	14.3	10.3
21-Jun-16	55.04	95.0	1.28	7.25	725	4.0	15	348	382	416	28.3	9.8
14-Dec-16	48.74	20.0	1.34	7.36	524	3.5	18	278	271	285	6.0	4.1
20-Jun-17	54.86	91.0	0.58	7.27	595	7.6	-	314	326	329	10.2	4.4
12-Dec-17	49.10	137.0	1.15	7.31	690	3.1	-	381	402	368	11.9	7.2
20-Jun-18	54.14	110.0	0.94	7.15	696	3.9	20	336	376	398	21.1	8.4
11-Dec-18	48.74	114.0	1.37	7.28	774	3.3	-	360	405	410	13.7	5.7
19-Jun-19	55.76	-100.0	< 0.20	7.10	737	1.3	-	343	392	401	9.4	2.6
19-Dec-19	48.38	25.0	1.22	7.34	782	7.6	12	376	399	422	16.4	5.2
22-Jun-20	57.74	-85.0	0.74	7.17	765	4.0	13	374	413	449	28.4	4.7
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	55.76	63.0	1.86	7.31	555	8.0	-	294	299	327	16.0	7.6
20-Dec-21	50.45	-28.0	1.31	7.08	771	0.6	5	428	410	428	10.0	3.0
23-Jun-22	57.56	28.0	0.90	7.02	725	1.1	1	375	368	411	26.5	5.2
12-Dec-22	48.92	120.0	3.22	7.31	743	7.8	-	384	390	414	32.7	< 2.0

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS

GROUNDWATER UPPER AQUIFER	Br	BORON	Cr+6	NO3-N	NH3-N	TKN	COD	BOD-5	TOC	TOTAL PHENOLS	TOTAL CYANIDE
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	2	1	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	2.3	0.9	0.01	2.8	66	71	128	37.98	39.6	0.0053	-
<i>Monitoring Well</i> MW-13S											
3-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	1.79	ND	ND
9-Dec-99	ND	ND	ND	ND	ND	0.330	ND	ND	1.80	ND	ND
3-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	1.64	ND	ND
21-Sep-00	ND	ND	ND	ND	ND	0.622	6.23	ND	1.53	ND	ND
20-Jun-01	ND	ND	ND	0.67	0.08	ND	ND	ND	1.87	ND	ND
9-Jan-02	ND	-	-	1.16	ND	ND	ND	ND	1.58	ND	-
5-Jun-02	ND	-	-	ND	ND	0.205	7.40	ND	1.71	ND	-
11-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	1.62	ND	ND
25-Jun-03	ND	ND	ND	ND	ND	ND	6.72	ND	1.82	ND	ND
11-Dec-03	ND	ND	ND	ND	ND	0.205	ND	ND	2.11	ND	ND
22-Jun-04	ND	ND	ND	ND	ND	ND	ND	ND	2.20	ND	ND
06-Dec-04	-	-	-	0.68	-	-	-	-	1.72	-	-
21-Jun-05	< 1.00	-	-	< 0.50	< 0.05	< 0.200	< 5.00	< 2.00	1.89	< 0.005	-
5-Dec-05	< 1.00	-	-	< 0.50	< 0.05	< 0.200	< 5.00	< 2.00	1.29	< 0.005	-
20-Jun-06	< 1.00	< 0.10	< 0.01	< 0.50	< 0.05	< 0.200	< 5.00	< 2.00	2.09	< 0.005	< 0.010
6-Dec-06	< 1.00	< 0.20	< 0.01	0.78	< 0.05	< 0.200	< 14.20	< 2.00	1.85	< 0.005	< 0.010
26-Jun-07	< 1.00	-	-	< 0.50	< 0.05	< 0.200	< 5.00	< 2.00	1.71	< 0.005	-
11-Dec-07	< 1.00	-	-	< 0.50	0.05	0.284	< 5.00	< 2.00	1.50	< 0.005	-
17-Jun-08	< 1.00	< 0.20	< 0.01	< 0.50	< 0.05	0.436	< 5.00	< 2.00	2.50	< 0.005	< 0.010
8-Dec-08	< 1.00	< 0.20	< 0.01	< 0.50	< 0.05	0.216	< 5.00	< 2.00	1.63	< 0.005	< 0.010
8-Jun-09	< 1.00	-	-	< 0.50	< 0.05	< 0.200	< 5.00	< 2.00	2.30	< 0.005	-
7-Dec-09	< 1.00	< 0.20	< 0.01	< 0.50	< 0.05	< 0.200	< 5.00	< 2.00	2.20	< 0.005	< 0.010
7-Jun-10	< 1.00	< 0.20	< 0.01	< 0.50	< 0.05	< 0.200	13.40	3.40	7.30	< 0.005	< 0.010
6-Dec-10	< 1.00	-	-	< 1.00	0.05	0.210	5.30	< 2.00	2.50	< 0.005	-
7-Jun-11	< 1.00	-	-	< 1.00	0.05	0.220	10.50	2.20	2.80	< 0.005	-
12-Dec-11	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	2.50	< 0.005	< 0.010
18-Jun-12	< 1.00	< 0.20	< 0.01	< 1.00	0.18	0.240	5.70	2.30	3.30	< 0.005	< 0.010
12-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-
18-Jun-13	< 1.00	-	-	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	2.00	< 0.005	-
9-Dec-13	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	1.80	< 0.005	< 0.010
16-Jun-14	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.210	18.70	< 2.00	4.10	< 0.005	< 0.010
8-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-
16-Jun-15	< 1.00	-	-	< 1.00	< 0.05	0.320	12.80	< 2.00	3.80	< 0.005	-
15-Dec-15	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.210	9.70	< 2.00	-	< 0.005	< 0.010
21-Jun-16	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	< 5.00	< 6.00	-	< 0.005	< 0.010
14-Dec-16	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.280	< 5.00	< 2.00	3.00	< 0.005	< 0.010
20-Jun-17	< 1.00	-	-	< 1.00	0.08	0.400	7.10	< 2.00	1.90	< 0.005	-
12-Dec-17	< 1.00	-	-	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	2.40	< 0.005	-
20-Jun-18	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	9.50	< 2.00	16.70	< 0.005	< 0.010
11-Dec-18	< 1.00	-	-	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	1.80	< 0.005	-
19-Jun-19	< 1.00	-	-	< 1.00	0.39	0.560	6.50	< 2.00	2.50	< 0.005	-
19-Dec-19	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	9.10	< 2.00	1.80	< 0.005	< 0.005
22-Jun-20	< 1.00	< 0.20	< 0.01	< 1.00	0.06	< 0.200	9.60	< 2.00	1.40	< 0.005	< 0.005
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-
24-Jun-21	< 1.00	-	-	< 1.00	< 0.05	0.220	6.30	< 2.00	1.90	< 0.005	-
20-Dec-21	< 1.00	< 0.20	< 0.05	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	1.60	< 0.005	< 0.005
23-Jun-22	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.210	< 5.00	< 2.00	< 1.00	< 0.005	< 0.005
12-Dec-22	< 1.00	-	-	< 1.00	0.18	0.490	13.80	< 2.00	1.30	< 0.005	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS

GROUNDWATER UPPER AQUIFER	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0	0.005	-	0.05	0.005	0.2	0.30
TRIGGER VALUES	3.9	-	0.033	3.0	-	-	199.62	0.02	-	-	34.3
<i>Monitoring Well MW-13S</i>											
3-Jun-99	0.116	ND	ND	0.167	ND	ND	86.9	0.011	ND	ND	0.4
9-Dec-99	5.130	ND	ND	0.202	ND	ND	110.0	0.036	ND	ND	7.1
3-Apr-00	0.192	ND	ND	0.136	ND	ND	111.0	ND	ND	ND	0.2
21-Sep-00	0.166	ND	ND	0.155	ND	ND	105.0	ND	ND	ND	0.3
20-Jun-01	ND	ND	ND	0.166	ND	ND	101.0	0.012	ND	ND	0.3
9-Jan-02	-	-	-	-	-	ND	146.0	-	-	-	0.7
5-Jun-02	-	-	-	-	-	ND	116.0	-	-	-	1.4
11-Dec-02	0.337	ND	ND	0.185	ND	ND	133.0	0.066	ND	ND	0.7
25-Jun-03	0.548	ND	ND	0.092	ND	ND	76.2	0.033	ND	ND	0.6
11-Dec-03	ND	ND	ND	0.119	ND	ND	92.0	ND	ND	ND	ND
22-Jun-04	ND	ND	ND	0.180	ND	ND	113.0	ND	ND	ND	ND
06-Dec-04	-	-	-	0.170	-	-	116.0	0.046	-	-	0.2
21-Jun-05	-	-	-	-	-	< 0.005	142.0	-	-	-	0.4
5-Dec-05	-	-	-	-	-	< 0.005	130.0	-	-	-	0.1
20-Jun-06	< 0.200	< 0.060	< 0.010	0.144	< 0.005	< 0.005	99.8	< 0.010	< 0.010	< 0.010	0.2
6-Dec-06	< 0.100	< 0.060	< 0.010	0.164	< 0.005	< 0.005	116.0	0.022	< 0.050	< 0.020	0.7
26-Jun-07	-	-	-	-	-	< 0.005	128.0	-	-	-	0.1
11-Dec-07	-	-	-	-	-	< 0.005	103.0	-	-	-	0.9
17-Jun-08	0.267	< 0.060	< 0.010	0.123	< 0.005	< 0.005	85.6	0.052	< 0.050	< 0.020	0.4
8-Dec-08	0.621	< 0.060	< 0.010	0.143	< 0.005	< 0.005	91.0	0.054	< 0.050	< 0.020	0.7
8-Jun-09	-	-	-	-	-	< 0.005	108.0	-	-	-	0.6
7-Dec-09	0.940	< 0.060	< 0.010	0.212	< 0.005	< 0.005	117.0	0.036	< 0.050	< 0.020	2.2
7-Jun-10	< 0.100	< 0.060	< 0.010	0.700	< 0.005	< 0.005	109.0	< 0.010	< 0.050	< 0.020	1.1
6-Dec-10	-	-	-	-	-	< 0.005	105.0	-	-	-	2.2
7-Jun-11	-	-	-	-	-	< 0.005	111.0	-	-	-	1.4
12-Dec-11	0.120	< 0.060	< 0.010	0.137	< 0.005	< 0.005	108.0	< 0.010	< 0.050	< 0.020	0.2
18-Jun-12	< 0.100	< 0.060	< 0.010	0.158	< 0.005	< 0.005	103.0	0.033	< 0.050	< 0.020	1.5
12-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	< 0.005	85.4	-	-	-	0.2
9-Dec-13	0.510	< 0.060	< 0.010	0.187	< 0.003	< 0.005	85.2	< 0.010	< 0.050	< 0.020	0.5
16-Jun-14	< 0.100	< 0.060	< 0.010	0.111	< 0.003	< 0.005	73.1	< 0.010	< 0.050	< 0.020	0.8
8-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-
16-Jun-15	-	-	-	-	-	< 0.005	106.0	-	-	-	< 0.1
15-Dec-15	< 0.100	< 0.060	< 0.010	0.154	< 0.003	< 0.005	102.0	< 0.010	< 0.050	< 0.020	< 0.1
21-Jun-16	0.520	< 0.060	< 0.010	0.150	< 0.003	< 0.005	96.2	< 0.010	< 0.050	< 0.020	0.4
14-Dec-16	0.750	< 0.060	< 0.010	0.118	< 0.003	< 0.005	76.6	0.059	< 0.050	< 0.020	0.6
20-Jun-17	-	-	-	-	-	< 0.005	86.6	-	-	-	0.9
12-Dec-17	-	-	-	-	-	< 0.005	105.0	-	-	-	0.1
20-Jun-18	0.843	< 0.060	< 0.010	0.151	< 0.003	< 0.005	94.1	0.013	< 0.050	< 0.020	0.6
11-Dec-18	-	-	-	-	-	< 0.005	106.0	-	-	-	0.4
19-Jun-19	-	-	-	-	-	< 0.005	106.0	-	-	-	0.8
19-Dec-19	0.163	< 0.060	< 0.010	0.146	< 0.003	< 0.005	105.0	< 0.010	< 0.050	< 0.020	0.7
22-Jun-20	0.327	< 0.060	< 0.010	0.166	< 0.003	< 0.005	103.0	0.005	0.001	< 0.020	0.3
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	< 0.005	76.4	-	-	-	0.6
20-Dec-21	< 0.100	< 0.060	< 0.010	0.145	< 0.003	< 0.005	112.0	< 0.010	< 0.050	< 0.020	0.2
23-Jun-22	0.276	< 0.060	< 0.010	0.158	< 0.003	< 0.005	91.6	< 0.010	< 0.050	< 0.020	0.2
12-Dec-22	-	-	-	-	-	< 0.005	90.0	-	-	-	2.9

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS

GROUNDWATER UPPER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	TI	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	0.0005	0.01	2
TRIGGER VALUES	0.007	147	1.5	-	0.08	59	912	0.013	-	-	-	0.06
<i>Monitoring Well</i> MW-13S												
3-Jun-99	ND	34.1	0.037	ND	ND	ND	14.7	ND	ND	ND	ND	0.0
9-Dec-99	0.007	36.1	0.081	ND	ND	2.83	13.4	ND	ND	ND	ND	0.023
3-Apr-00	ND	35.9	0.036	ND	ND	ND	8.9	ND	ND	ND	ND	0.022
21-Sep-00	0.008	37.2	0.172	ND	ND	ND	13.3	ND	ND	ND	ND	0.061
20-Jun-01	ND	39.6	0.153	ND	0.055	ND	14.3	ND	ND	ND	ND	0.024
9-Jan-02	ND	51.8	0.021	-	-	ND	13.1	-	-	-	-	-
5-Jun-02	ND	34.5	0.122	-	-	ND	14.8	-	-	-	-	-
11-Dec-02	ND	44.6	0.023	ND	0.335	ND	10.9	ND	ND	ND	ND	ND
25-Jun-03	ND	21.2	ND	ND	0.042	ND	16.0	ND	ND	ND	ND	ND
11-Dec-03	ND	28.7	0.193	ND	0.115	ND	13.9	ND	ND	ND	ND	ND
22-Jun-04	ND	34.5	ND	ND	0.051	ND	14.6	ND	ND	ND	ND	ND
06-Dec-04	-	38.9	0.112	-	0.097	-	13.4	-	-	-	-	-
21-Jun-05	< 0.005	43.3	0.085	-	-	< 2.00	11.5	-	-	-	-	-
5-Dec-05	< 0.005	48.3	0.099	-	-	< 2.00	13.2	-	-	-	-	-
20-Jun-06	< 0.005	28.4	0.056	< 0.0030	0.045	1.04	9.9	< 0.005	< 0.010	< 0.006	< 0.010	< 0.020
6-Dec-06	< 0.005	38.4	0.229	< 0.0030	0.063	< 2.00	11.1	< 0.010	< 0.010	< 0.010	< 0.050	0.023
26-Jun-07	< 0.005	39.8	0.083	-	-	< 2.00	10.5	-	-	-	-	-
11-Dec-07	< 0.005	41.0	0.074	-	-	< 2.00	14.2	-	-	-	-	-
17-Jun-08	< 0.005	25.6	0.011	< 0.0030	< 0.040	< 2.00	9.3	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Dec-08	< 0.005	34.0	0.040	< 0.0030	< 0.040	< 2.00	10.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Jun-09	< 0.005	39.0	0.029	-	-	< 2.00	11.1	-	-	-	-	-
7-Dec-09	< 0.005	40.4	0.180	< 0.0003	0.054	< 2.00	12.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
7-Jun-10	< 0.005	37.7	0.177	< 0.0030	< 0.040	< 2.00	11.4	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
6-Dec-10	< 0.005	33.4	0.110	-	-	< 2.00	10.6	-	-	-	-	-
7-Jun-11	< 0.005	36.0	0.086	-	-	< 2.00	10.5	-	-	-	-	-
12-Dec-11	< 0.005	28.7	0.033	< 0.0002	< 0.040	< 2.00	7.9	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
18-Jun-12	< 0.005	37.6	0.119	< 0.0002	< 0.040	< 2.00	13.2	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
12-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	< 0.005	33.1	0.029	-	-	< 2.00	11.0	-	-	-	-	-
9-Dec-13	< 0.005	37.4	0.015	< 0.0002	< 0.040	< 2.00	14.5	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
16-Jun-14	< 0.005	22.2	0.119	< 0.0002	< 0.040	< 2.00	6.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-	-
16-Jun-15	< 0.005	28.9	0.024	-	-	< 2.00	7.3	-	-	-	-	-
15-Dec-15	< 0.005	28.7	0.015	< 0.0002	< 0.040	< 2.00	9.8	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
21-Jun-16	< 0.005	34.5	0.015	< 0.0002	< 0.040	< 2.00	12.6	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
14-Dec-16	< 0.005	19.3	0.018	< 0.0002	< 0.040	< 2.00	5.3	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
20-Jun-17	< 0.005	26.5	0.080	-	-	< 2.00	8.4	-	-	-	-	-
12-Dec-17	< 0.005	34.1	0.053	-	-	< 2.00	11.3	-	-	-	-	-
20-Jun-18	< 0.005	34.3	0.024	< 0.0002	< 0.040	< 2.00	12.2	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
11-Dec-18	< 0.005	33.9	0.050	-	-	< 2.00	12.2	-	-	-	-	-
19-Jun-19	< 0.005	31.2	0.197	-	-	< 2.00	9.5	-	-	-	-	-
19-Dec-19	< 0.005	33.2	0.156	< 0.0002	< 0.040	< 2.00	11.2	< 0.010	< 0.01	< 0.010	< 0.050	0.021
22-Jun-20	< 0.005	38.0	0.096	< 0.0002	0.003	1.56	15.8	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	< 0.005	26.2	0.012	-	-	< 2.00	9.8	-	-	-	-	-
20-Dec-21	< 0.005	31.5	0.078	< 0.0002	< 0.040	< 2.00	11.0	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
23-Jun-22	< 0.005	33.7	0.033	< 0.0002	< 0.040	< 2.00	13.9	< 0.010	< 0.01	< 0.010	< 0.050	< 0.020
12-Dec-22	< 0.005	40.2	0.036	-	-	2.30	17.9	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.03	1	0.003	0.005	-	0.05	0.005	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-13S											
3-Jun-99	-	-	-	-	-	-	-	-	-	-	-
9-Dec-99	-	-	-	-	-	-	-	-	-	-	-
3-Apr-00	-	-	-	-	-	-	-	-	-	-	-
21-Sep-00	-	-	-	-	-	-	-	-	-	-	-
20-Jun-01	-	-	-	-	-	-	-	-	-	-	-
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	-	-	-	-	-	-	-	-	-	-	-
25-Jun-03	-	-	-	-	-	-	-	-	-	-	-
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-
22-Jun-04	-	-	-	-	-	-	-	-	-	-	-
06-Dec-04	-	-	-	-	-	-	-	-	-	-	-
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-
5-Dec-05	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-
6-Dec-06	-	-	-	-	-	-	-	-	-	-	-
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-
17-Jun-08	-	-	-	-	-	-	-	-	-	-	-
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-
8-Jun-09	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	-	-	-	-	-	-	-	-	-	-	-
7-Jun-10	-	-	-	-	-	-	-	-	-	-	-
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	-	-	-	-	-	-	-	-	-	-	-
18-Jun-12	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-
9-Dec-13	-	-	-	-	-	-	-	-	-	-	-
16-Jun-14	-	-	-	-	-	-	-	-	-	-	-
8-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-
16-Jun-15	-	-	-	-	-	-	-	-	-	-	-
15-Dec-15	-	-	-	-	-	-	-	-	-	-	-
21-Jun-16	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-
22-Jun-20	-	-	-	-	-	-	-	-	-	-	-
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	Tl	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	-	0.014	2
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-13S												
3-Jun-99	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
3-Apr-00	-	-	-	-	-	-	-	-	-	-	-	-
21-Sep-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-01	-	-	-	-	-	-	-	-	-	-	-	-
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-03	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
06-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-10	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-12	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-13	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-14	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-	-
16-Jun-15	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-15	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											
	Acetone (ug/l)	Benzene (ug/l)	Bromo- dichloro- methane (ug/l)	Bromo- form (ug/l)	Bromo- methane (ug/l)	2-Butanone (MEK) (ug/l)	Carbon Disulfide (ug/l)	Carbon- chloride (ug/l)	Chloro- benzene (ug/l)	Chloro- ethane (ug/l)	Chloro- form (ug/l)	Chloro- methane (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	1	50	50	5	50	60	5	5	5	7	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-13S</i>												
3-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
25-Jun-03	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22-Jun-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
6-Dec-06	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
7-Jun-10	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
18-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
16-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-	-
16-Jun-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
15-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
21-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
14-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	Dibromo-chloro-methane (ug/l)	Dichloro-difluoro-methane (ug/l)	1,1-Dichloro-ethane (ug/l)	1,2-Dichloro-ethane (ug/l)	1,1-Dichloro-ethene (ug/l)	Cis-1,2-Dichloro-ethene (ug/l)	Trans-1,2-Dichloro-ethene (ug/l)	1,2-Dichloro-propane (ug/l)	Cis-1,3-Dichloro-propene (ug/l)	Trans-1,3-Dichloro-propene (ug/l)	Ethyl-benzene (ug/l)	2-Hexa-none (ug/l)	Methylene-Chloride (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	5	5	0.6	5	5	5	1	0.4	0.4	5	50	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-13S</i>													
3-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
25-Jun-03	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22-Jun-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
6-Dec-06	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
26-Jun-07	-	-	-	-	-	< -	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	< -	-	-	-	-	-	-	-
17-Jun-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
7-Jun-10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
18-Jun-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
16-Jun-14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-15	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
15-Dec-15	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
21-Jun-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
14-Dec-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-20	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-22	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											SUM OF ORGANIC COMPOUNDS (DETECTED)
	4-Methyl- 2- Pentanone (ug/l)	Styrene (ug/l)	1,1,2,2- Tetrachloro- ethane (ug/l)	Tetra- chloro- ethene (ug/l)	Toluene (ug/l)	1,1,1- Trichloro- ethane (ug/l)	1,1,2- Trichloro ethane (ug/l)	Trichloro- ethene (ug/l)	Vinyl Chloride (ug/l)	O- Xylene (ug/l)	M & P- Xylene (ug/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-13S</i>												
3-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
9-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
3-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
21-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
20-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
25-Jun-03	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
22-Jun-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
06-Dec-04	-	-	-	-	-	-	-	-	-	-	-	0
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
6-Dec-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
7-Jun-10	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
18-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
16-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-	-
16-Jun-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
15-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
21-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
14-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP. (deg. F)	Eh (mV)	DISS OX (mg/L)	pH (Std units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Pt/Cl)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	6.5 -- 8.5	-	-	-	-	-	500	250	250
TRIGGER VALUES	64	389	176	10.4	5152	136	67	1501	1000	2783	1161.5	142
<i>Monitoring Well MW-15</i>												
3-Jun-99	51.08	2.8	-99.99	6.74	4503	14.4	60	1230	680	2330	944.0	ND
8-Dec-99	54.65	-59.7	18.01	7.14	4893	42.7	35	1220	818	2020	1180.0	ND
3-Apr-00	47.40	-90.7	18.19	6.85	4130	8.4	35	1150	700	2490	920.0	ND
19-Sep-00	58.63	-87.0	37.80	6.24	4131	8.4	45	1150	672	2430	897.0	2.5
20-Jun-01	52.40	-153.6	-99.90	7.78	3684	153.6	45	1080	748	2270	842.0	ND
9-Jan-02	51.98	-	-	6.60	4000	26.0	-	950	690	2120	708.0	8.7
5-Jun-02	52.70	8.5	2.92	6.67	3020	130.0	-	905	535	1370	309.0	58.4
11-Dec-02	11.63	-89.0	2.51	6.69	2780	534.0	75	908	545	1310	297.0	38.1
23-Jun-03	53.08	-59.2	-5.92	6.68	2894	1.7	15	945	558	1360	356.0	27.2
9-Dec-03	51.98	-	0.41	6.96	2029	-0.1	-	925	455	1300	272.0	14.8
24-Jun-04	53.42	-50.0	2.21	6.83	1938	7.1	30	826	445	1150	199.0	35.7
07-Dec-04	50.72	-62.0	-	6.65	2390	0.9	-	845	470	1220	270.0	42.1
21-Jun-05	68.00	-87.0	1.44	6.82	1861	20.2	-	785	430	1060	163.0	42.2
6-Dec-05	49.64	-87.0	0.53	7.07	2380	24.0	60	810	475	1160	268.0	26.2
20-Jun-06	56.30	-108.0	0.47	7.61	1970	4.2	45	748	484	1040	209.0	16.9
5-Dec-06	47.66	-76.0	1.84	6.95	1730	12.0	-	754	463	972	164.0	8.3
27-Jun-07	58.10	-112.0	1.47	7.02	1840	7.8	-	790	426	965	194.0	38.2
11-Dec-07	51.98	-80.0	0.66	7.04	2045	11.0	20	522	278	451	5.9	< 2.0
17-Jun-08	54.86	-96.0	0.47	6.95	1720	1.1	20	658	401	858	125.0	18.1
8-Dec-08	47.84	-121.0	0.34	7.60	1800	9.0	-	716	438	941	167.0	29.9
9-Jun-09	54.86	-92.0	0.38	6.58	1596	1.1	-	662	373	810	116.0	23.0
8-Dec-09	51.80	-98.0	0.22	6.51	1513	14.9	100	670	402	803	118.0	41.3
15-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-10	50.72	-18.0	1.17	6.76	1590	25.0	20	704	422	810	96.2	20.1
9-Dec-10	49.46	-103.0	0.34	6.61	1510	8.0	-	682	490	765	90.6	14.7
9-Jun-11	55.76	-95.0	0.77	6.55	1470	7.5	-	652	380	744	67.5	17.2
14-Dec-11	51.44	-96.0	0.57	6.75	1310	9.2	55	602	340	640	62.1	19.0
20-Jun-12	54.32	-81.0	0.69	6.63	1380	6.0	55	566	370	623	56.5	21.5
11-Dec-12	51.26	-108.0	0.85	6.96	1317	8.7	-	610	460	656	56.4	22.4
20-Jun-13	52.34	-79.0	1.21	6.73	1210	2.4	-	635	420	633	46.2	12.9
11-Dec-13	50.00	-73.0	0.45	6.98	1290	12.0	115	640	390	657	56.5	10.9
18-Jun-14	53.78	-79.0	0.89	6.66	1297	2.6	34	644	424	640	43.5	9.1
9-Dec-14	46.40	-59.0	0.70	6.84	1183	10.1	-	576	414	571	51.5	12.5
16-Jun-15	52.70	-101.0	0.36	6.71	1260	30.8	-	640	420	578	53.0	5.6
16-Dec-15	52.16	-69.0	0.39	7.43	1140	16.1	65	560	394	545	46.5	13.1
22-Jun-16	54.50	-95.0	0.42	6.91	1130	30.9	50	530	347	552	36.9	8.1
13-Dec-16	50.54	-44.0	0.53	6.97	1180	41.0	30	578	373	574	48.4	4.8
20-Jun-17	53.42	-78.0	0.40	6.90	1095	26.2	-	555	357	538	29.4	2.5
13-Dec-17	48.38	-131.0	0.73	7.04	1054	40.9	-	491	361	499	34.2	5.4
21-Jun-18	53.60	-94.0	0.71	6.86	1003	14.8	38	476	336	489	23.4	2.3
12-Dec-18	50.54	-131.0	0.59	7.00	1129	3.5	-	460	356	499	35.1	2.5
18-Jun-19	53.24	-121.0	0.88	6.91	995	12.2	-	460	355	477	20.6	< 2.0
18-Dec-19	48.20	-84.0	0.70	6.93	992	29.2	20	466	345	486	33.8	4.7
24-Jun-20	55.04	-96.0	0.59	6.99	945	0.8	200	464	334	469	23.9	< 2.0
8-Dec-20	52.52	-60.0	0.54	6.93	1000	5.1	-	434	345	475	34.4	11.7
25-Jun-21	56.66	-92.0	0.36	6.90	1003	9.1	-	486	343	478	32.9	8.4
21-Dec-21	7.30	-60.0	0.65	6.76	963	11.7	155	470	327	452	29.5	3.1
23-Jun-22	55.04	-78.0	0.41	6.82	916	1.4	4	479	315	443	18.3	< 2.0
12-Dec-22	52.16	-77.0	0.29	6.81	943	3.6	-	461	342	453	31.4	6.2

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

INORGANIC PARAMETERS

GROUNDWATER UPPER AQUIFER	Br	BORON	Cr+6	NO3-N	NH3-N	TKN	COD	BOD-5	TOC	TOTAL PHENOLS	TOTAL CYANIDE
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	2	1	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	2.3	0.9	0.01	2.8	66	71	127.71	37.98	39.6	0.0053	-
<i>Monitoring Well MW-15</i>											
3-Jun-99	1.78	0.80	ND	ND	67.4	74.1	73.70	38.50	21.50	ND	ND
8-Dec-99	1.89	0.95	0.01	ND	61.2	72.0	153.00	14.20	20.60	ND	ND
3-Apr-00	2.15	0.73	ND	ND	47.8	48.0	61.60	33.00	19.90	0.006	ND
19-Sep-00	2.39	0.84	0.01	1.50	54.8	49.5	66.00	15.50	17.30	0.007	ND
20-Jun-01	1.76	0.50	ND	ND	44.3	62.7	62.40	22.40	20.00	ND	ND
9-Jan-02	2.04	-	-	ND	36.2	38.0	61.30	25.00	16.80	ND	-
5-Jun-02	ND	-	-	ND	25.3	29.0	43.60	18.00	14.80	ND	-
11-Dec-02	ND	0.43	ND	ND	23.5	29.1	45.40	34.70	15.40	ND	ND
23-Jun-03	ND	0.41	ND	ND	28.7	24.2	40.60	15.50	15.20	ND	ND
9-Dec-03	ND	-	-	ND	24.1	24.5	36.10	12.70	14.80	ND	-
24-Jun-04	-	0.39	-	-	24.4	23.0	35	13.4	12.90	-	-
07-Dec-04	< 1.00	-	-	< 0.50	25.6	26.0	32.10	5.61	13.40	< 0.005	-
21-Jun-05	< 1.00	-	-	< 0.50	22.0	23.5	35.00	4.72	11.40	< 0.005	-
6-Dec-05	1.07	< 0.10	< 0.01	< 0.50	24.5	25.4	39.80	6.84	13.30	< 0.005	< 0.010
20-Jun-06	1.41	0.36	0.03	0.79	24.3	25.9	32.70	6.30	12.00	< 0.005	< 0.010
5-Dec-06	< 1.00	-	-	0.72	22.9	23.9	26.20	3.92	10.40	< 0.005	-
27-Jun-07	1.22	-	-	0.57	27.6	15.6	28.70	9.18	9.70	< 0.005	-
11-Dec-07	< 1.00	< 0.20	< 0.01	< 0.50	3.7	4.1	< 5.00	13.60	7.30	< 0.005	< 0.010
17-Jun-08	< 1.00	0.34	0.01	< 0.50	23.3	24.6	19.90	5.75	8.36	< 0.005	< 0.010
8-Dec-08	1.27	-	-	< 0.50	25.3	26.0	26.60	2.07	9.05	< 0.005	-
9-Jun-09	1.27	-	-	< 0.50	22.9	23.5	17.80	2.60	9.50	< 0.005	-
8-Dec-09	< 1.00	0.32	0.03	< 0.50	24.9	25.5	2.13	3.70	9.00	< 0.005	< 0.010
15-Dec-09	-	-	-	-	-	-	-	-	-	-	-
9-Jun-10	< 1.00	0.28	< 0.01	< 0.50	23.9	23.8	22.50	7.80	12.10	< 0.005	< 0.010
9-Dec-10	< 1.00	-	-	< 1.00	23.2	23.2	19.80	4.60	9.40	< 0.005	-
9-Jun-11	< 1.00	-	-	< 1.00	24.2	21.6	21.90	7.30	7.40	< 0.005	-
14-Dec-11	< 1.00	0.29	< 0.01	< 1.00	22.9	27.3	42.70	4.20	7.30	< 0.005	< 0.010
20-Jun-12	< 1.00	0.24	< 0.01	< 1.00	23.9	23.5	19.70	2.60	6.60	< 0.005	< 0.010
11-Dec-12	< 1.00	-	-	< 1.00	25.1	24.3	13.90	< 2.00	6.90	< 0.005	-
20-Jun-13	< 1.00	-	-	< 1.00	24.5	25.6	16.00	3.10	6.30	< 0.005	-
11-Dec-13	< 1.00	0.30	< 0.01	< 1.00	24.8	25.0	18.00	4.50	6.50	< 0.005	< 0.010
18-Jun-14	< 1.00	0.27	< 0.01	< 1.00	24.8	26.4	16.40	8.80	7.60	< 0.005	< 0.010
9-Dec-14	< 1.00	-	-	< 1.00	24.6	23.6	16.20	3.80	6.30	< 0.005	-
16-Jun-15	< 1.00	-	-	< 1.00	24.6	23.7	6.50	< 2.00	6.40	< 0.005	-
16-Dec-15	< 1.00	0.26	< 0.01	< 1.00	22.9	22.2	24.80	< 2.00	10.40	< 0.005	-
22-Jun-16	< 1.00	< 0.20	< 0.01	< 1.00	19.7	20.9	8.10	2.40	5.50	< 0.005	< 0.010
13-Dec-16	< 1.00	0.24	< 0.01	< 1.00	21.6	20.0	16.10	3.50	6.40	< 0.005	< 0.010
20-Jun-17	< 1.00	-	-	< 1.00	21.6	22.4	22.10	< 2.00	5.30	< 0.005	-
13-Dec-17	< 1.00	-	-	< 1.00	23.0	20.9	18.10	< 2.00	5.90	< 0.005	-
21-Jun-18	< 1.00	< 0.20	< 0.01	< 1.00	19.1	19.7	13.80	< 2.00	24.70	< 0.005	< 0.010
12-Dec-18	< 1.00	-	-	< 1.00	19.2	20.7	15.60	< 2.00	5.40	< 0.005	-
18-Jun-19	< 1.00	-	-	< 1.00	17.3	18.1	9.80	< 2.00	5.30	< 0.005	-
18-Dec-19	< 1.00	< 0.20	< 0.05	< 1.00	19.4	20.5	18.80	< 2.00	6.60	< 0.005	< 0.005
24-Jun-20	< 1.00	< 0.20	< 0.05	< 1.00	16.0	17.4	9.30	< 2.00	4.70	< 0.005	< 0.005
8-Dec-20	< 1.00	-	-	< 1.00	16.2	18.8	10.30	7.00	4.30	< 0.005	-
25-Jun-21	< 1.00	-	-	< 1.00	18.2	18.2	10.60	< 2.00	4.60	< 0.005	-
21-Dec-21	< 1.00	< 0.20	< 0.05	< 1.00	17.1	17.3	11.10	< 2.00	4.50	< 0.005	< 0.005
23-Jun-22	< 1.00	< 0.20	< 0.01	< 1.00	16.5	15.7	7.90	< 2.00	8.20	< 0.005	< 0.005
12-Dec-22	< 1.00	-	-	< 1.00	17.0	19.4	9.10	< 2.00	3.80	< 0.005	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

TOTAL METALS

GROUNDWATER UPPER AQUIFER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.30
TRIGGER VALUES	3.9	-	0.033	3.0	-	-	199.6	0.02	-	-	34.3
<i>Monitoring Well MW-15</i>											
3-Jun-99	0.149	ND	0.018	2.740	ND	ND	101.0	ND	ND	ND	14.2
8-Dec-99	0.172	ND	0.017	2.800	ND	ND	120.0	ND	ND	ND	19.4
3-Apr-00	ND	ND	0.013	2.200	ND	ND	104.0	ND	ND	ND	22.0
19-Sep-00	0.107	ND	0.025	2.340	ND	ND	102.0	ND	ND	ND	20.4
20-Jun-01	ND	ND	0.016	2.050	ND	ND	108.0	ND	ND	ND	22.7
9-Jan-02	-	-	-	-	-	ND	118.0	-	-	-	19.9
5-Jun-02	-	-	-	-	-	ND	92.8	-	-	-	24.2
11-Dec-02	ND	ND	0.017	1.120	ND	ND	94.1	ND	ND	ND	17.7
23-Jun-03	ND	ND	0.023	1.320	ND	ND	95.9	ND	ND	ND	19.2
9-Dec-03	-	-	-	-	-	ND	85.4	-	-	-	16.2
24-Jun-04	-	-	0.022	1.080	-	-	83.2	-	-	-	16.2
07-Dec-04	-	-	-	-	-	< 0.005	92.6	-	-	-	14.7
21-Jun-05	-	-	-	-	-	< 0.005	84.8	-	-	-	14.4
6-Dec-05	< 0.200	< 0.060	0.037	1.190	< 0.005	< 0.005	86.9	< 0.01	< 0.010	< 0.01	16.6
20-Jun-06	< 0.100	< 0.060	0.016	1.170	< 0.005	< 0.005	95.9	< 0.01	< 0.050	< 0.02	17.0
5-Dec-06	-	-	-	-	-	< 0.005	87.9	-	-	-	16.7
27-Jun-07	-	-	-	-	-	< 0.005	82.6	-	-	-	11.7
11-Dec-07	< 0.100	< 0.060	0.020	0.128	< 0.005	< 0.005	75.2	< 0.01	< 0.050	< 0.02	3.8
17-Jun-08	< 0.100	< 0.060	0.020	0.958	< 0.005	< 0.005	76.1	< 0.01	< 0.050	< 0.02	11.0
8-Dec-08	-	-	-	-	-	< 0.005	87.2	-	-	-	11.2
9-Jun-09	-	-	-	-	-	< 0.005	72.4	-	-	-	10.5
8-Dec-09	0.310	< 0.060	0.024	0.934	< 0.005	< 0.005	71.1	< 0.01	< 0.050	< 0.02	9.5
15-Dec-09	-	-	-	-	-	-	-	-	-	-	-
9-Jun-10	< 0.100	< 0.060	0.029	0.994	< 0.005	< 0.005	79.1	< 0.01	< 0.050	< 0.02	15.6
9-Dec-10	-	-	-	-	-	< 0.005	74.2	-	-	-	11.1
9-Jun-11	-	-	-	-	-	< 0.005	76.2	-	-	-	10.9
14-Dec-11	0.130	< 0.060	0.021	0.875	< 0.005	< 0.005	70.5	< 0.01	< 0.050	< 0.02	12.2
20-Jun-12	< 0.100	< 0.060	0.014	0.864	< 0.005	< 0.005	68.8	< 0.01	< 0.050	< 0.02	9.3
11-Dec-12	-	-	-	-	-	< 0.005	77.1	-	-	-	10.1
20-Jun-13	-	-	-	-	-	< 0.005	75.9	-	-	-	9.7
11-Dec-13	< 0.100	< 0.060	0.017	0.956	< 0.003	< 0.005	70.8	< 0.01	< 0.050	< 0.02	11.5
18-Jun-14	< 0.100	< 0.060	0.015	0.946	< 0.003	< 0.005	83.0	< 0.01	< 0.050	< 0.02	13.0
9-Dec-14	-	-	-	-	-	< 0.005	77.0	-	-	-	16.4
16-Jun-15	-	-	-	-	-	< 0.005	84.1	-	-	-	13.5
16-Dec-15	-	-	-	-	-	< 0.005	83.2	-	-	-	9.5
22-Jun-16	< 0.100	< 0.060	0.026	0.826	< 0.003	< 0.005	73.6	< 0.01	< 0.050	< 0.02	13.2
13-Dec-16	< 0.100	< 0.060	0.016	0.894	< 0.003	< 0.005	77.2	< 0.01	< 0.050	< 0.02	11.3
20-Jun-17	-	-	-	-	-	< 0.005	73.5	-	-	-	9.7
13-Dec-17	-	-	-	-	-	< 0.005	74.4	-	-	-	9.7
21-Jun-18	< 0.100	< 0.060	0.012	0.765	< 0.003	< 0.005	68.0	< 0.01	< 0.050	< 0.02	9.1
12-Dec-18	-	-	-	-	-	< 0.005	74.0	-	-	-	9.0
18-Jun-19	-	-	-	-	-	< 0.005	73.3	-	-	-	9.4
18-Dec-19	< 0.100	< 0.060	0.018	0.744	< 0.003	< 0.005	72.5	< 0.01	< 0.050	< 0.02	8.2
24-Jun-20	< 0.100	< 0.060	0.014	0.776	< 0.003	< 0.005	68.5	< 0.01	< 0.050	< 0.02	8.3
8-Dec-20	-	-	-	-	-	< 0.005	72.3	-	-	-	8.5
25-Jun-21	-	-	-	-	-	< 0.005	70.8	-	-	-	8.9
21-Dec-21	< 0.100	< 0.060	< 0.010	0.716	< 0.003	< 0.005	69.3	< 0.010	< 0.050	< 0.020	7.2
23-Jun-22	< 0.100	< 0.060	0.016	0.688	< 0.003	< 0.005	65.8	< 0.010	< 0.050	< 0.020	7.4
12-Dec-22	-	-	-	-	-	< 0.005	72.0	-	-	-	7.1

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS

GROUNDWATER UPPER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	Tl	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	0.0005	0.014	2
TRIGGER VALUES	0.007	147	1.5	-	0.08	59	911.6	0.013	-	-	-	0.06
<i>Monitoring Well MW-15</i>												
3-Jun-99	ND	93.1	0.235	ND	ND	54.2	673.0	ND	ND	ND	ND	ND
8-Dec-99	ND	120.0	0.180	ND	ND	59.6	878.0	ND	ND	ND	ND	ND
3-Apr-00	ND	101.0	0.237	ND	ND	39.8	655.0	0.010	ND	ND	ND	ND
19-Sep-00	ND	95.3	0.239	ND	ND	46.5	827.0	0.007	ND	ND	ND	ND
20-Jun-01	ND	92.6	0.229	ND	ND	30.8	454.0	ND	ND	ND	ND	ND
9-Jan-02	ND	94.4	0.228	-	-	28.0	614.0	-	-	-	-	-
5-Jun-02	ND	65.8	0.430	-	-	18.5	331.0	-	-	-	-	-
11-Dec-02	ND	67.4	0.436	ND	ND	19.9	312.0	ND	ND	ND	ND	ND
23-Jun-03	ND	69.4	0.359	ND	ND	20.3	328.0	ND	ND	ND	ND	ND
9-Dec-03	ND	59.8	0.332	-	-	19.5	331.0	-	-	-	-	-
24-Jun-04	-	57.8	0.297	-	-	19.4	266.0	-	-	-	-	-
07-Dec-04	< 0.005	62.5	0.277	-	-	20.2	312.0	-	-	-	-	-
21-Jun-05	< 0.005	58.5	0.294	-	-	18.6	256.0	-	-	-	-	-
6-Dec-05	< 0.005	56.5	0.241	< 0.0003	< 0.040	21.0	282.0	< 0.005	< 0.010	< 0.006	< 0.010	< 0.020
20-Jun-06	< 0.005	61.6	0.322	< 0.0003	< 0.040	19.6	226.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
5-Dec-06	< 0.005	52.7	0.267	-	-	18.5	214.0	-	-	-	-	-
27-Jun-07	< 0.005	49.8	0.262	-	-	18.8	229.0	-	-	-	-	-
11-Dec-07	< 0.005	25.7	0.066	< 0.0003	< 0.040	< 2.0	67.1	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
17-Jun-08	< 0.005	48.4	0.217	< 0.0003	< 0.040	18.6	185.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Dec-08	< 0.005	52.1	0.240	-	-	19.4	198.0	-	-	-	-	-
9-Jun-09	< 0.005	44.9	0.193	-	-	17.2	165.0	-	-	-	-	-
8-Dec-09	< 0.005	45.9	0.191	< 0.0003	< 0.040	20.4	172.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
15-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-10	< 0.005	47.7	0.208	< 0.0003	< 0.040	18.0	154.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
9-Dec-10	< 0.005	44.1	0.196	-	-	19.1	134.0	-	-	-	-	-
9-Jun-11	< 0.005	45.2	0.183	-	-	18.9	136.0	-	-	-	-	-
14-Dec-11	< 0.005	41.6	0.174	< 0.0002	< 0.040	18.9	116.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
20-Jun-12	< 0.005	42.5	0.169	< 0.0002	< 0.040	19.2	102.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
11-Dec-12	< 0.005	44.6	0.185	-	-	20.2	104.0	-	-	-	-	-
20-Jun-13	< 0.005	46.4	0.176	-	-	19.3	87.6	-	-	-	-	-
11-Dec-13	< 0.005	47.2	0.186	< 0.0002	< 0.040	20.7	95.2	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
18-Jun-14	< 0.005	49.4	0.177	< 0.0002	< 0.040	20.9	83.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
9-Dec-14	< 0.005	44.5	0.167	-	-	21.1	80.4	-	-	-	-	-
16-Jun-15	< 0.005	49.3	0.177	-	-	20.4	81.8	-	-	-	-	-
16-Dec-15	< 0.005	45.3	0.167	-	-	20.8	73.7	-	-	-	-	-
22-Jun-16	< 0.005	39.7	0.141	< 0.0002	< 0.040	19.4	66.3	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
13-Dec-16	< 0.005	43.8	0.186	< 0.0002	< 0.040	19.9	76.4	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
20-Jun-17	< 0.005	42.2	0.138	-	-	19.8	62.5	-	-	-	-	-
13-Dec-17	< 0.005	42.4	0.143	-	-	20.8	58.4	-	-	-	-	-
21-Jun-18	< 0.005	40.4	0.137	< 0.0002	< 0.040	19.2	53.3	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
12-Dec-18	< 0.005	41.5	0.146	-	-	20.3	58.2	-	-	-	-	-
18-Jun-19	< 0.005	41.6	0.143	-	-	18.9	47.9	-	-	-	-	-
18-Dec-19	< 0.005	39.9	0.142	< 0.0002	< 0.040	18.7	47.6	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
24-Jun-20	< 0.005	39.5	0.136	< 0.0002	< 0.040	18.1	45.9	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Dec-20	< 0.005	40.0	0.165	-	-	18.8	45.9	-	-	-	-	-
25-Jun-21	< 0.005	40.2	0.136	-	-	17.2	44.8	-	-	-	-	-
21-Dec-21	< 0.005	37.4	0.130	< 0.0002	< 0.040	17.3	47.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
23-Jun-22	< 0.005	36.6	0.126	< 0.0002	< 0.040	16.5	39.4	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
12-Dec-22	< 0.005	39.4	0.143	-	-	17.8	40.5	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-15											
3-Jun-99	-	-	-	-	-	-	-	-	-	-	-
8-Dec-99	-	-	-	-	-	-	-	-	-	-	-
3-Apr-00	-	-	-	-	-	-	-	-	-	-	-
19-Sep-00	-	-	-	-	-	-	-	-	-	-	-
20-Jun-01	-	-	-	-	-	-	-	-	-	-	-
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	-	-	-	-	-	-	-	-	-	-	-
23-Jun-03	-	-	-	-	-	-	-	-	-	-	-
9-Dec-03	-	-	-	-	-	-	-	-	-	-	-
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-
07-Dec-04	-	-	-	-	-	-	-	-	-	-	-
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-
17-Jun-08	-	-	-	-	-	-	-	-	-	-	-
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-
15-Dec-09	-	-	-	-	-	-	-	-	-	-	-
9-Jun-10	-	-	-	-	-	-	-	-	-	-	-
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	-	-	-	-	-	-	-	-	-	-	-
20-Jun-12	-	-	-	-	-	-	-	-	-	-	-
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-
20-Jun-13	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	-	-	-	-	-	-	-	-	-	-	-
18-Jun-14	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	-	-	-	-	-	-	-	-	-	-	-
16-Jun-15	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-
13-Dec-16	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	-	-	-	-	-	-	-	-	-	-	-
24-Jun-20	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	Tl	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	-	0.014	2
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-15												
3-Jun-99	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
3-Apr-00	-	-	-	-	-	-	-	-	-	-	-	-
19-Sep-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-01	-	-	-	-	-	-	-	-	-	-	-	-
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-03	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-10	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-12	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-14	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-15	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-16	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											
	Acetone (ug/l)	Benzene (ug/l)	Bromo- dichloro- methane (ug/l)	Bromo- form (ug/l)	Bromo- methane (ug/l)	2-Butanone (MEK) (ug/l)	Carbon Disulfide (ug/l)	Carbon- Tetra- chloride (ug/l)	Chloro- benzene (ug/l)	Chloro- ethane (ug/l)	Chloro- form (ug/l)	Chloro- methane (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	1	50	50	5	50	60	5	5	5	7	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-15</i>												
3-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.7	ND	ND
8-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.3	ND	ND
19-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.5	ND	ND
20-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
23-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-06	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
17-Jun-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-09	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Jun-10	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
18-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
16-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
16-Dec-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
13-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
24-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	Dibromo- chloro- methane (ug/l)	Dichloro- difluoro- methane (ug/l)	1,1- Dichloro- ethane (ug/l)	1,2- Dichloro- ethane (ug/l)	1,1- Dichloro- ethene (ug/l)	Cis-1,2- Dichloro- ethene (ug/l)	Trans-1,2- Dichloro- ethene (ug/l)	1,2- Dichloro- propane (ug/l)	Cis-1,3- Dichloro- propene (ug/l)	Trans-1,3- Dichloro- propene (ug/l)	Ethyl- benzene (ug/l)	2-Hexa- none (ug/l)	Methylene- Chloride (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	5	5	0.6	5	5	5	1	0.4	0.4	5	50	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-15</i>													
3-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
23-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-	-
07-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-06	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
17-Jun-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-09	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Jun-10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
18-Jun-14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Dec-14	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
16-Jun-15	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
16-Dec-15	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
22-Jun-16	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
13-Dec-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
24-Jun-20	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-22	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											
	4-Methyl- 2- Pentanone (ug/l)	Styrene (ug/l)	1,1,2,2- Tetrachloro- ethane (ug/l)	Tetra- chloro- ethene (ug/l)	Toluene (ug/l)	1,1,1- Trichloro- ethane (ug/l)	1,1,2- Trichloro- ethane (ug/l)	Trichloro- ethene (ug/l)	Vinyl Chloride (ug/l)	O- Xylene (ug/l)	M & P- Xylene (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
<i>Monitoring Well MW-15</i>												
3-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
8-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
3-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
19-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
20-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
23-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
9-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-	0
07-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
17-Jun-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-09	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Jun-10	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
18-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
16-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
16-Dec-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
13-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
24-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP. (deg. F)	Eh (mV)	DISS OX (mg/L)	pH (Std units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Pt/Cl)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	6.5 -- 8.5	-	-	-	-	-	500	250	250
TRIGGER VALUES	64	389	176	10.4	5152	136	67	1501	1000	2783	1161.5	142
<i>Monitoring Well</i> MW-16												
21-Jun-04	54.86	199.0	-	6.92	1250	500.0	10	550	810	809	24.80	136.0
7-Dec-04	50.36	-41.0	-	8.14	1328	18.4	-	535	710	827	29.90	166.0
23-Jun-05	57.92	-22.0	-	9.53	1053	9.3	-	490	590	692	19.40	108.0
6-Dec-05	46.40	-52.0	-	7.63	1257	18.3	10	540	811	791	20.20	172.0
20-Jun-06	58.28	194.0	-	7.22	1064	9.5	10	530	742	796	13.70	150.0
5-Dec-06	43.34	92.0	-	7.78	701	55.6	-	542	614	714	9.89	111.0
27-Jun-07	58.50	73.0	-	7.36	1152	13.5	-	520	675	763	30.90	164.0
11-Dec-07	48.56	-29.0	-	7.59	1304	15.3	< <5	512	601	654	6.64	91.0
19-Jun-08	58.10	40.0	-	6.71	1066	46.9	< <5	500	638	710	14.90	93.6
10-Dec-08	44.96	99.0	-	7.23	985	6.6	-	500	596	619	5.22	90.8
9-Jun-09	62.60	70.0	-	6.85	1008	6.0	-	484	572	633	8.90	94.5
8-Dec-09	50.36	82.0	-	6.91	1033	4.7	< 5	520	618	656	10.20	103.0
14-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	57.20	11.0	-	6.73	1045	9.1	< 5	490	642	639	7.30	96.1
7-Dec-10	43.52	220.0	-	6.89	911	7.9	-	462	560	525	3.20	57.2
10-Jun-11	53.78	94.0	-	6.55	910	18.5	-	492	519	579	5.50	61.4
13-Dec-11	46.04	141.0	-	6.69	915	8.7	4	500	590	543	3.40	43.1
20-Jun-12	61.16	113.0	-	6.83	921	20.3	8	482	575	535	3.30	42.2
12-Dec-12	51.26	275.0	-	6.58	888	47.8	-	474	580	553	7.10	52.1
18-Jun-13	51.08	149.0	-	6.70	916	15.9	-	505	521	540	2.90	53.2
12-Dec-13	39.02	194.0	-	6.67	871	18.0	17	462	560	532	3.50	42.7
17-Jun-14	52.52	182.0	-	6.59	910	13.8	7	476	614	541	3.60	58.4
9-Dec-14	48.74	3.0	-	6.91	1073	12.9	-	470	548	572	8.10	64.1
17-Jun-15	55.04	-35.0	-	7.21	785	29.8	-	420	560	337	2.90	38.3
15-Dec-15	49.82	138.0	-	7.53	860	6.8	14	458	508	503	2.80	40.3
22-Jun-16	51.62	217.0	-	7.07	910	18.5	50	448	510	505	2.70	25.4
15-Dec-16	54.32	90.0	-	7.20	803	5.4	14	455	500	481	3.00	28.2
21-Jun-17	50.36	126.0	-	7.21	712	10.6	-	389	413	426	2.80	18.0
13-Dec-17	51.98	130.0	-	7.07	751	4.4	-	381	489	427	2.50	14.9
19-Jun-18	47.66	104.0	-	7.18	697	7.6	16	368	449	391	3.50	13.9
12-Dec-18	52.70	109.0	-	6.85	868	5.1	-	432	508	495	4.10	22.2
18-Jun-19	48.92	131.0	-	7.03	769	6.8	-	368	451	451	4.10	21.1
19-Dec-19	51.80	10.0	-	7.14	7.14	23.3	20	439	480	506	3.10	19.3
23-Jun-20	49.10	152.0	-	7.05	655	10.4	17	330	377	387	2.50	14.3
8-Dec-20	50.54	92.0	-	7.33	808	11.3	-	380	453	466	10.50	31.5
25-Jun-21	49.46	141.0	-	7.30	692	15.4	-	357	379	383	3.60	18.4
21-Dec-21	53.96	198.0	-	7.03	809	31.2	8	429	427	461	2.70	23.3
23-Jun-22	52.52	136.0	-	7.19	698	26.6	2	364	686	401	4.20	16.1
13-Dec-22	53.06	143.0	-	7.03	742	9.2	-	423	726	435	< 2.00	9.4

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS											
GROUNDWATER UPPER AQUIFER	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	2	1	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	-	0.9	-	-	66	71	127.7	37.98	39.6	0.0053	-
<i>Monitoring Well</i> MW-16											
21-Jun-04	-	-	-	4.71	-	0.502	-	-	2.50	-	-
7-Dec-04	< 1.00	-	-	2.48	0.19	0.672	9.00	< 2.00	3.21	< 0.005	-
23-Jun-05	< 1.00	-	-	3.08	< 0.05	0.219	7.12	< 2.00	1.94	< 0.005	-
6-Dec-05	< 1.00	< 0.10	< 0.01	2.74	< 0.05	0.488	< 5.00	< 2.00	2.17	< 0.005	< 0.010
20-Jun-06	1.14	< 0.20	< 0.01	1.80	< 0.05	0.615	17.40	2.37	4.11	< 0.005	< 0.010
5-Dec-06	< 1.00	-	-	1.99	< 0.05	0.494	9.25	< 2.00	5.71	< 0.005	-
27-Jun-07	< 1.00	-	-	3.24	< 0.05	0.353	< 5.00	< 2.00	3.03	< 0.005	-
11-Dec-07	< 1.00	< 0.20	< 0.01	1.39	< 0.05	0.319	< 5.00	< 2.00	2.62	< 0.005	< 0.010
19-Jun-08	< 1.00	-	-	2.01	0.12	0.703	5.42	2.62	3.15	< 0.005	-
10-Dec-08	< 1.00	-	-	1.64	< 0.05	0.439	6.70	< 2.00	2.92	< 0.005	-
9-Jun-09	< 1.00	-	-	1.98	< 0.05	0.270	< 5.00	< 2.00	4.60	< 0.005	-
8-Dec-09	< 1.00	< 0.20	< 0.01	1.89	0.08	0.330	< 5.00	< 2.00	4.10	< 0.005	< 0.010
14-Dec-09	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	< 1.00	< 0.20	< 0.01	2.02	< 0.05	0.460	8.50	< 2.00	4.50	< 0.005	< 0.010
7-Dec-10	< 1.00	-	-	1.60	< 0.05	0.210	6.60	< 2.00	2.50	< 0.005	-
10-Jun-11	< 1.00	-	-	2.00	< 0.05	0.650	5.30	< 2.00	2.60	< 0.005	-
13-Dec-11	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.290	< 5.00	< 2.00	2.70	< 0.005	< 0.010
20-Jun-12	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.280	6.00	< 2.00	2.50	< 0.005	< 0.010
12-Dec-12	< 1.00	-	-	1.20	< 0.05	< 0.200	< 5.00	< 2.00	2.90	< 0.005	-
18-Jun-13	< 1.00	-	-	1.30	< 0.05	0.330	< 5.00	< 2.00	2.50	< 0.005	-
12-Dec-13	< 1.00	< 0.20	< 0.01	< 1.00	< 0.09	0.620	< 5.00	< 2.00	2.10	< 0.005	< 0.010
17-Jun-14	< 1.00	< 0.20	< 0.01	1.80	< 0.05	0.210	9.20	< 2.00	2.80	< 0.005	< 0.010
9-Dec-14	< 1.00	-	-	2.50	< 0.05	0.340	< 5.00	< 2.00	2.40	< 0.005	-
17-Jun-15	< 1.00	-	-	2.10	< 0.05	0.490	8.10	< 2.00	2.30	< 0.005	-
15-Dec-15	< 1.00	< 0.20	< 0.01	1.20	< 0.05	0.450	16.70	< 2.00	7.50	< 0.005	< 0.010
22-Jun-16	< 1.00	< 0.20	< 0.01	1.30	< 0.05	0.350	< 5.00	< 2.00	2.30	< 0.005	< 0.010
15-Dec-16	< 1.00	< 0.20	0.08	1.70	< 0.05	< 0.200	< 5.00	< 2.00	2.60	< 0.005	< 0.010
21-Jun-17	< 1.00	-	-	< 1.00	< 0.05	0.840	8.50	< 2.00	2.40	< 0.005	-
13-Dec-17	< 1.00	-	-	< 1.00	0.09	0.640	< 5.00	< 2.00	3.00	< 0.005	-
19-Jun-18	< 1.00	< 0.20	< 0.01	< 1.00	0.08	1.140	5.30	< 2.00	8.60	< 0.005	< 0.010
12-Dec-18	< 1.00	-	-	1.30	0.05	0.450	< 5.00	< 2.00	2.70	< 0.005	-
18-Jun-19	< 1.00	-	-	1.70	0.09	0.420	< 5.00	< 2.00	3.00	< 0.005	-
19-Dec-19	< 1.00	< 0.20	< 0.01	2.60	< 0.05	0.440	7.40	< 2.00	2.40	< 0.005	< 0.005
23-Jun-20	< 1.00	0.02	< 0.01	1.70	0.09	0.350	< 5.00	< 2.00	2.50	< 0.005	< 0.005
8-Dec-20	< 1.00	-	-	1.60	0.06	0.420	6.30	< 2.00	2.00	< 0.005	-
25-Jun-21	< 1.00	-	-	< 1.00	< 0.05	0.400	< 5.00	< 2.00	2.30	< 0.005	-
21-Dec-21	< 1.00	< 0.20	< 0.01	1.80	0.06	0.320	< 5.00	< 2.00	2.20	< 0.005	< 0.005
23-Jun-22	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.540	< 5.00	< 2.00	1.50	< 0.005	< 0.005
13-Dec-22	< 1.00	-	-	< 1.00	< 0.05	0.380	< 5.00	< 2.00	2.20	< 0.005	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS

GROUNDWATER UPPER AQUIFER	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.30
TRIGGER VALUES	3.9	-	0.033	3.0	-	-	199.6	0.02	-	0	34.3
<i>Monitoring Well</i> MW-16											
21-Jun-04	8.080	-	-	0.149	-	-	193.0	0.012	-	-	7.4
7-Dec-04	-	-	-	-	-	< 0.005	211.0	-	-	-	0.7
23-Jun-05	-	-	-	-	-	< 0.005	166.0	-	-	-	1.1
6-Dec-05	1.640	< 0.060	0.014	0.113	< 0.005	< 0.005	194.0	< 0.010	< 0.010	< 0.01	2.0
20-Jun-06	1.540	< 0.060	< 0.010	0.105	< 0.005	< 0.005	192.0	< 0.010	< 0.050	< 0.02	1.4
5-Dec-06	-	-	-	-	-	< 0.005	186.0	-	-	-	0.8
27-Jun-07	-	-	-	-	-	< 0.005	201.0	-	-	-	1.5
11-Dec-07	0.779	< 0.060	< 0.010	0.094	< 0.005	< 0.005	168.0	< 0.010	< 0.050	< 0.02	1.2
19-Jun-08	-	-	-	-	-	< 0.005	201.0	-	-	-	1.5
10-Dec-08	-	-	-	-	-	< 0.005	167.0	-	-	-	4.0
9-Jun-09	-	-	-	-	-	< 0.005	165.0	-	-	-	0.8
8-Dec-09	0.740	< 0.060	< 0.010	0.098	< 0.005	< 0.005	161.0	< 0.010	< 0.050	< 0.02	0.8
14-Dec-09	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	0.780	< 0.060	< 0.010	0.088	< 0.005	< 0.005	161.0	< 0.010	< 0.050	< 0.02	0.7
7-Dec-10	-	-	-	-	-	< 0.005	124.0	-	-	-	0.2
10-Jun-11	-	-	-	-	-	< 0.005	141.0	-	-	-	1.1
13-Dec-11	3.640	< 0.060	< 0.010	0.104	< 0.005	< 0.005	148.0	< 0.010	< 0.050	< 0.02	3.7
20-Jun-12	12.300	< 0.060	< 0.010	0.171	< 0.005	< 0.005	172.0	0.017	< 0.050	< 0.02	15.7
12-Dec-12	-	-	-	-	-	< 0.005	141.0	-	-	-	1.1
18-Jun-13	-	-	-	-	-	< 0.005	144.0	-	-	-	2.3
12-Dec-13	4.870	< 0.060	< 0.010	0.111	< 0.003	< 0.005	139.0	< 0.010	< 0.050	< 0.02	5.0
17-Jun-14	0.850	< 0.060	< 0.010	0.079	< 0.003	< 0.005	151.0	< 0.010	< 0.050	< 0.02	0.8
9-Dec-14	-	-	-	-	-	< 0.005	156.0	-	-	-	0.6
17-Jun-15	-	-	-	-	-	< 0.005	151.0	-	-	-	5.3
15-Dec-15	3.990	< 0.060	< 0.010	0.101	< 0.003	< 0.005	144.0	< 0.010	< 0.050	< 0.02	4.1
22-Jun-16	7.360	< 0.060	< 0.010	0.122	< 0.003	< 0.005	143.0	< 0.010	< 0.050	< 0.02	7.8
15-Dec-16	8.260	< 0.060	< 0.010	0.126	< 0.003	< 0.005	133.0	0.011	< 0.050	< 0.02	8.5
21-Jun-17	-	-	-	-	-	< 0.005	113.0	-	-	-	0.6
13-Dec-17	-	-	-	-	-	< 0.005	131.0	-	-	-	6.4
19-Jun-18	8.980	< 0.060	< 0.010	0.115	< 0.003	< 0.005	118.0	0.011	< 0.050	< 0.02	9.2
12-Dec-18	-	-	-	-	-	< 0.005	139.0	-	-	-	1.0
18-Jun-19	-	-	-	-	-	< 0.005	123.0	-	-	-	0.8
19-Dec-19	0.367	< 0.060	< 0.010	0.071	< 0.003	< 0.005	130.0	< 0.010	< 0.050	< 0.02	0.4
23-Jun-20	0.734	< 0.060	< 0.010	0.066	< 0.003	< 0.005	102.0	0.001	< 0.050	< 0.02	0.6
8-Dec-20	-	-	-	-	-	< 0.005	122.0	-	-	-	1.3
25-Jun-21	-	-	-	-	-	< 0.005	102.0	-	-	-	1.4
21-Dec-21	0.364	< 0.060	< 0.010	0.067	< 0.003	< 0.005	116.0	< 0.010	< 0.050	< 0.020	0.4
23-Jun-22	34.400	< 0.060	0.014	0.261	< 0.003	< 0.005	176.0	0.046	< 0.050	0.045	40.6
13-Dec-22	-	-	-	-	-	< 0.005	188.0	-	-	-	44.1

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS

GROUNDWATER UPPER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	Tl	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	0.0005	0.014	2
TRIGGER VALUES	0.007	147	1.5	-	-	59	911.6	0.013	-	-	-	0.06
<i>Monitoring Well</i> MW-16												
21-Jun-04	-	58.8	0.205	-	-	4.34	14.3	-	-	-	-	0.032
7-Dec-04	< 0.005	58.4	0.177	-	-	< 2.00	15.7	-	-	-	-	-
23-Jun-05	< 0.005	50.0	0.073	-	-	< 2.00	10.7	-	-	-	-	-
6-Dec-05	< 0.005	54.7	0.125	< 0.0003	< 0.04	2.00	17.0	< 0.005	< 0.010	< 0.006	< 0.010	0.034
20-Jun-06	< 0.005	51.8	0.158	< 0.0003	< 0.04	< 2.00	19.1	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
5-Dec-06	< 0.005	46.7	0.117	-	-	< 2.00	20.3	-	-	-	-	-
27-Jun-07	< 0.005	49.3	0.225	-	-	2.04	19.7	-	-	-	-	-
11-Dec-07	< 0.005	43.5	0.225	< 0.0003	< 0.04	< 2.00	16.7	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
19-Jun-08	< 0.005	49.3	0.225	-	-	2.04	19.7	-	-	-	-	-
10-Dec-08	< 0.005	42.0	0.150	-	-	2.95	18.1	-	-	-	-	-
9-Jun-09	< 0.005	40.5	0.108	-	-	< 2.00	15.5	-	-	-	-	-
8-Dec-09	< 0.005	41.5	0.076	< 0.0003	< 0.04	2.00	18.4	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
14-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	< 0.005	38.4	0.046	< 0.0003	< 0.04	< 2.00	14.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
7-Dec-10	< 0.005	28.8	< 0.010	-	-	< 2.00	12.6	-	-	-	-	-
10-Jun-11	< 0.005	38.4	0.027	-	-	< 2.00	14.5	-	-	-	-	-
13-Dec-11	< 0.005	38.3	0.137	< 0.0002	< 0.04	2.60	13.5	< 0.010	< 0.010	< 0.010	< 0.050	0.026
20-Jun-12	0.009	45.6	0.424	< 0.0002	< 0.04	5.50	13.8	< 0.010	< 0.010	< 0.010	< 0.050	0.055
12-Dec-12	< 0.005	38.4	0.027	-	-	< 2.00	14.5	-	-	-	-	-
18-Jun-13	< 0.005	35.8	0.078	-	-	2.00	11.0	-	-	-	-	-
12-Dec-13	< 0.005	37.1	0.158	< 0.0002	< 0.04	3.00	11.6	< 0.010	< 0.010	< 0.010	< 0.050	0.023
17-Jun-14	< 0.005	38.5	0.017	< 0.0002	< 0.04	< 2.00	11.5	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
9-Dec-14	< 0.005	39.0	0.053	-	-	< 2.00	13.2	-	-	-	-	-
17-Jun-15	0.012	43.7	0.454	-	-	< 2.00	11.2	-	-	-	-	-
15-Dec-15	< 0.005	36.0	0.130	< 0.0002	< 0.04	2.85	10.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
22-Jun-16	< 0.005	36.7	0.231	< 0.0002	< 0.04	4.00	9.3	< 0.010	< 0.010	< 0.010	< 0.050	0.025
15-Dec-16	< 0.005	40.6	0.218	< 0.0002	< 0.04	4.30	9.7	< 0.010	< 0.010	< 0.010	< 0.050	0.028
21-Jun-17	< 0.005	31.5	0.153	-	-	< 2.00	9.4	-	-	-	-	-
13-Dec-17	< 0.005	39.2	0.234	-	-	3.70	10.6	-	-	-	-	-
19-Jun-18	< 0.005	37.4	0.300	< 0.0002	< 0.04	4.54	7.1	< 0.010	< 0.010	< 0.010	< 0.050	0.034
12-Dec-18	< 0.005	39.2	0.163	-	-	< 2.00	10.4	-	-	-	-	-
18-Jun-19	< 0.005	34.9	0.174	-	-	< 2.00	9.1	-	-	-	-	-
19-Dec-19	< 0.005	37.5	0.029	< 0.0002	< 0.04	< 2.00	10.4	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
23-Jun-20	< 0.005	29.5	0.073	< 0.0002	< 0.04	1.37	7.3	< 0.010	< 0.010	< 0.010	0.001	< 0.020
8-Dec-20	< 0.005	35.7	0.098	-	-	2.20	7.6	-	-	-	-	-
25-Jun-21	< 0.005	29.9	0.117	-	-	< 2.00	6.7	-	-	-	-	-
21-Dec-21	< 0.005	33.2	0.060	< 0.0002	< 0.040	< 2.00	10.2	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
23-Jun-22	0.019	60.0	1.050	< 0.0002	< 0.040	11.30	8.8	< 0.010	< 0.010	< 0.010	0.064	0.132
13-Dec-22	0.022	62.2	1.040	-	-	12.60	9.1	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-16											
21-Jun-04	-	-	-	0.091	-	-	184.0	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-
14-Dec-09	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	-	-	-	-	-	-	-	-	-	-	-
7-Dec-10	-	-	-	-	-	-	-	-	-	-	-
10-Jun-11	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-
20-Jun-12	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	-	-	-	-	-	-	-	-	-	-	-
17-Jun-14	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-
15-Dec-15	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-
15-Dec-16	-	-	-	-	-	-	-	-	-	-	-
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	-	0.014	2
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-16												
21-Jun-04	-	54.7	0.076	-	-	-	14.0	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-12	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-14	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-15	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-16	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											
	Acetone (ug/l)	Benzene (ug/l)	Bromo- dichloro- methane (ug/l)	Bromo- form (ug/l)	Bromo- methane (ug/l)	2-Butanone (MEK) (ug/l)	Carbon Disulfide (ug/l)	Carbon- Tetra- chloride (ug/l)	Chloro- benzene (ug/l)	Chloro- ethane (ug/l)	Chloro- form (ug/l)	Chloro- methane (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	1	50	50	5	50	60	5	5	5	7	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-16</i>												
21-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-06	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
19-Jun-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-09	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Jun-10	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
7-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
17-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
15-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
15-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	Dibromo- chloro- methane (ug/l)	Dichloro- difluoro- methane (ug/l)	1,1- Dichloro- ethane (ug/l)	1,2- Dichloro- ethane (ug/l)	1,1- Dichloro- ethene (ug/l)	Cis-1,2- Dichloro- ethene (ug/l)	Trans-1,2- Dichloro- ethene (ug/l)	1,2- Dichloro- propane (ug/l)	Cis-1,3- Dichloro- propene (ug/l)	Trans-1,3- Dichloro- propene (ug/l)	Ethyl- benzene (ug/l)	2- Hexanone (ug/l)	Methylene- Chloride (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	5	5	0.6	5	5	5	1	0.4	0.4	5	50	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-16</i>													
21-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-06	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
19-Jun-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-09	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Jun-10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
7-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
17-Jun-14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Dec-14	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
17-Jun-15	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
15-Dec-15	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
15-Dec-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-20	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-22	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											SUM OF ORGANIC COMPOUNDS (DETECTED)
	4-Methyl- 2- Pentanone (ug/l)	Styrene (ug/l)	1,1,2,2- Tetrachloro- ethane (ug/l)	Tetra- chloro- ethene (ug/l)	Toluene (ug/l)	1,1,1- Trichloro- ethane (ug/l)	1,1,2- Trichloro- ethane (ug/l)	Trichloro- ethene (ug/l)	Vinyl Chloride (ug/l)	O- Xylene (ug/l)	M & P- Xylene (ug/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
<i>Monitoring Well MW-16</i>												
21-Jun-04	-	-	-	-	-	-	-	-	-	-	-	0
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
19-Jun-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-09	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Jun-10	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
7-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
17-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
15-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
15-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
23-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP. (deg. F)	Eh (mV)	DISS OX (mg/L)	pH (Std units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Pt/Cl)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	6.5 -- 8.5	-	-	-	-	-	500	250	250
TRIGGER VALUES	64	389	176	10.4	5152	136	67	1501	1000	2783	1161.5	142
<i>Monitoring Well MW-17S</i>												
3-Jun-99	53.97	24.8	-	7.41	1059	4.7	ND	417	618	701	99	129.0
8-Dec-99	52.33	191.5	96.20	8.29	780	28.9	10	418	658	693	120	114.0
3-Apr-00	48.57	170.7	66.90	7.15	1064	3.6	15	421	601	680	99	97.4
19-Sep-00	58.03	-75.2	34.42	8.18	1092	2.0	40	389	614	684	128	105.0
20-Jun-01	52.40	-130.5	-26.70	8.08	1075	62.0	5	410	618	691	121	99.4
9-Jan-02	49.10	-	-	7.24	1169	9.3	-	413	615	671	137	88.1
5-Jun-02	56.30	292.0	5.93	7.23	940	30.1	-	415	621	684	131	89.9
11-Dec-02	8.93	-51.0	8.62	7.25	1310	-	15	420	660	695	146	83.1
23-Jun-03	60.53	-	9.75	7.12	1117	-81.0	5	412	620	706	150	83.1
9-Dec-03	49.55	-	1.54	7.58	1322	0.2	ND	420	630	674	156	77.7
24-Jun-04	56.66	-170.0	1.45	7.56	1200	6.2	10	440	640	707	161	62.9
07-Dec-04	47.84	-9.0	-	7.57	1300	3.6	-	415	690	730	182	77.4
21-Jun-05	68.00	-70.0	2.15	7.33	1289	11.7	-	420	685	726	182	73.5
6-Dec-05	49.64	-6.0	1.65	7.51	1510	3.5	15	415	690	713	176	63.7
20-Jun-06	56.48	-83.0	0.38	7.45	1370	2.2	15	402	732	750	189	68.7
5-Dec-06	46.40	-57.0	1.10	7.31	1440	2.2	-	416	686	741	208	70.1
27-Jun-07	58.30	-60.0	1.22	7.60	1380	6.1	-	482	679	723	174	72.8
11-Dec-07	48.20	49.0	1.44	7.42	1057	3.5	15	432	674	704	187	70.9
17-Jun-08	51.60	-94.0	0.80	7.40	1400	2.9	5	419	890	728	180	73.3
8-Dec-08	46.04	-45.0	1.75	7.35	1350	1.0	-	442	722	744	179	82.5
9-Jun-09	51.08	-84.0	0.51	6.81	1425	1.7	-	420	698	751	186	76.4
7-Dec-09	48.20	7.0	1.54	7.05	1260	5.2	10	440	720	718	181	84.3
7-Jun-10	51.80	-178.0	0.44	7.32	1190	6.4	5	422	750	741	172	77.8
6-Dec-10	44.24	93.0	2.24	6.86	1248	6.2	-	420	760	748	187	83.9
7-Jun-11	52.70	149.0	1.20	6.86	1336	5.6	-	424	680	743	178	75.4
12-Dec-11	49.46	73.0	2.70	7.31	1435	4.6	8	436	720	705	182	74.5
18-Jun-12	55.22	88.0	3.20	6.65	1480	2.2	13	410	729	768	210	81.4
11-Dec-12	48.92	31.0	2.69	7.32	1487	1.0	-	438	760	796	217	76.3
18-Jun-13	53.42	11.0	1.20	7.14	1435	1.7	-	440	722	776	202	76.1
9-Dec-13	48.74	129.0	2.70	7.16	1460	1.1	12	432	740	799	231	83.4
16-Jun-14	56.66	18.0	2.41	7.01	1510	2.3	14	434	768	799	224	79.7
8-Dec-14	47.12	78.0	2.00	7.09	1485	4.5	-	395	800	779	230	79.2
16-Jun-15	55.94	89.0	2.40	7.17	1510	3.2	-	440	817	839	258	84.0
15-Dec-15	50.90	124.0	3.96	7.37	1255	1.3	9	428	765	823	252	83.5
21-Jun-16	54.14	55.0	2.60	7.30	1600	3.1	1	414	697	814	251	82.7
14-Dec-16	47.66	79.0	1.28	7.19	1555	1.0	14	413	771	778	240	79.0
20-Jun-17	54.86	93.0	3.00	7.21	1650	1.0	-	422	868	888	283	82.3
12-Dec-17	49.46	152.0	3.64	7.17	1671	2.0	-	420	878	760	252	97.9
20-Jun-18	54.32	54.0	3.29	7.13	1630	2.9	17	398	861	865	274	79.9
11-Dec-18	49.64	108.0	1.14	7.25	1690	3.0	-	394	826	828	237	70.9
19-Jun-19	53.42	58.0	1.65	7.18	1651	1.9	-	398	844	945	270	79.9
19-Dec-19	48.38	155.0	1.54	7.29	1600	1.1	12	413	845	884	288	74.6
22-Jun-20	54.32	-50.0	1.79	7.13	1563	1.3	10	413	848	877	283	71.4
7-Dec-20	51.98	-40.0	2.57	7.02	1695	1.5	-	409	833	904	283	70.4
24-Jun-21	55.40	69.0	3.39	7.18	1640	1.2	-	429	847	876	308	75.0
20-Dec-21	49.28	75.0	5.19	7.22	1692	0.7	3	442	843	906	294	72.1
22-Jun-22	55.40	24.0	2.68	7.05	1696	0.6	1	435	814	934	291	71.3
12-Dec-22	50.18	122.0	4.61	7.21	1655	1.6	-	443	835	901	284	65.8

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS											
GROUNDWATER UPPER AQUIFER	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	2	1	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	2.3	0.9	0.01	2.8	66	71	127.7	37.98	39.6	0.0053	-
<i>Monitoring Well</i> MW-17S											
3-Jun-99	ND	ND	ND	ND	ND	0.532	7.64	ND	5.85	ND	ND
8-Dec-99	ND	ND	ND	ND	ND	0.246	5.50	ND	3.63	ND	ND
3-Apr-00	ND	ND	ND	ND	ND	ND	21.30	ND	3.97	ND	ND
19-Sep-00	ND	ND	ND	1.53	ND	ND	10.50	ND	2.43	ND	ND
20-Jun-01	ND	ND	ND	ND	ND	ND	5.91	ND	2.45	ND	ND
9-Jan-02	ND	-	-	0.71	ND	ND	ND	ND	2.85	ND	-
5-Jun-02	ND	-	-	ND	ND	ND	9.08	ND	2.39	ND	-
11-Dec-02	ND	ND	ND	ND	ND	ND	6.72	ND	2.28	ND	ND
23-Jun-03	ND	ND	ND	ND	ND	ND	8.64	ND	2.76	ND	ND
9-Dec-03	ND	-	-	-	ND	ND	ND	ND	2.33	ND	-
24-Jun-04	-	-	-	-	3.01	3.290	6.1	2.18	2.90	-	-
07-Dec-04	< 1.00	-	-	< 0.50	0.60	< 0.200	8.68	< 2.00	2.36	< 0.005	-
21-Jun-05	< 1.00	-	-	< 0.50	0.34	0.773	14.20	2.52	2.66	< 0.005	-
6-Dec-05	< 1.00	< 0.10	< 0.01	< 0.50	< 0.50	< 0.200	< 5.00	< 0.20	1.19	< 0.005	< 0.010
20-Jun-06	< 1.34	< 0.20	< 0.01	0.81	0.22	0.419	11.70	< 2.00	2.05	< 0.005	< 0.010
5-Dec-06	< 1.00	-	-	< 0.50	0.35	0.603	< 5.00	< 0.20	2.02	< 0.005	-
27-Jun-07	< 1.00	-	-	< 0.50	0.07	0.300	< 5.00	< 2.00	1.58	< 0.005	-
11-Dec-07	< 1.00	< 0.20	< 0.01	< 0.50	0.09	0.372	< 5.00	< 2.00	2.33	< 0.005	< 0.010
17-Jun-08	< 1.00	< 0.20	< 0.01	< 0.50	0.12	0.265	< 5.00	< 2.00	2.26	< 0.005	< 0.010
8-Dec-08	1.20	-	-	0.69	< 0.50	< 0.200	5.72	< 2.00	2.08	< 0.005	-
9-Jun-09	< 1.00	-	-	< 0.50	< 0.50	< 0.200	< 5.00	< 2.00	2.60	< 0.005	-
7-Dec-09	< 1.00	< 0.20	< 0.01	0.73	< 0.50	0.351	< 5.00	< 2.00	2.10	< 0.005	< 0.010
7-Jun-10	< 1.00	< 0.20	< 0.01	< 0.50	0.06	< 0.200	< 5.00	< 2.00	3.30	< 0.005	< 0.010
6-Dec-10	< 1.00	-	-	< 1.00	< 0.50	< 0.200	5.60	< 2.00	2.30	< 0.005	-
7-Jun-11	< 1.00	-	-	< 1.00	< 0.05	< 0.200	7.60	< 2.00	2.40	< 0.005	-
12-Dec-11	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	1.70	< 0.005	< 0.010
18-Jun-12	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.290	9.20	< 2.00	1.90	< 0.005	< 0.010
11-Dec-12	< 1.00	-	-	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	1.80	< 0.005	-
18-Jun-13	< 1.00	-	-	< 1.00	0.06	< 0.200	< 5.00	< 2.00	1.50	< 0.005	-
9-Dec-13	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	1.50	< 0.005	< 0.010
16-Jun-14	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	12.50	< 2.00	2.60	< 0.005	< 0.010
8-Dec-14	< 1.00	-	-	< 1.00	0.05	< 0.200	< 5.00	< 2.00	1.30	< 0.005	-
16-Jun-15	< 1.00	-	-	< 1.00	< 0.05	0.230	6.50	< 2.00	1.50	< 0.005	-
15-Dec-15	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	7.80	< 2.00	1.20	< 0.005	< 0.010
21-Jun-16	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	1.40	< 0.005	< 0.010
14-Dec-16	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	1.50	< 0.005	< 0.010
20-Jun-17	< 1.00	-	-	< 1.00	< 0.05	< 0.200	8.10	< 2.00	1.00	< 0.005	-
12-Dec-17	< 1.00	-	-	< 1.00	< 0.05	< 0.200	8.80	< 2.00	1.70	< 0.005	-
20-Jun-18	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	14.30	< 0.005	< 0.010
11-Dec-18	< 1.00	-	-	< 1.00	< 0.05	0.230	< 5.00	< 2.00	2.10	< 0.005	-
19-Jun-19	< 1.00	-	-	< 1.00	< 0.05	0.210	5.50	< 2.00	1.80	< 0.005	-
19-Dec-19	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	5.30	< 2.00	1.30	< 0.005	< 0.005
22-Jun-20	< 1.00	0.03	< 0.01	< 1.00	< 0.05	0.290	< 5.00	< 2.00	1.70	< 0.005	< 0.005
7-Dec-20	< 1.00	-	-	< 1.00	< 0.05	< 0.200	5.30	< 2.00	1.40	< 0.005	-
24-Jun-21	< 1.00	-	-	< 1.00	< 0.05	< 0.200	5.60	< 2.00	1.80	< 0.005	-
20-Dec-21	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	1.60	< 0.005	< 0.005
22-Jun-22	< 1.00	< 0.20	< 0.01	< 1.00	0.51	0.900	< 5.00	< 2.00	1.10	< 0.005	< 0.005
12-Dec-22	< 1.00	-	-	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	< 1.00	< 0.005	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS											
GROUNDWATER UPPER AQUIFER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.30
TRIGGER VALUES	3.9	-	0.033	3.0	-	-	199.6	0.02	-	-	34.3
<i>Monitoring Well</i> MW-17S											
3-Jun-99	0.125	ND	ND	0.089	ND	ND	91.6	ND	ND	ND	1.2
8-Dec-99	0.423	ND	ND	0.102	ND	ND	95.2	ND	ND	ND	0.7
3-Apr-00	ND	ND	ND	0.082	ND	ND	83.5	ND	ND	ND	0.3
19-Sep-00	ND	ND	ND	0.088	ND	ND	84.1	ND	ND	ND	1.1
20-Jun-01	ND	ND	ND	0.077	ND	ND	76.2	ND	ND	ND	0.2
9-Jan-02	-	-	-	-	-	ND	88.9	-	-	-	0.4
5-Jun-02	-	-	-	-	-	ND	84.0	-	-	-	0.4
11-Dec-02	ND	ND	ND	0.092	ND	ND	90.5	ND	ND	ND	1.3
23-Jun-03	ND	ND	ND	0.089	ND	ND	88.5	ND	ND	ND	0.2
9-Dec-03	-	-	-	-	-	ND	89.5	-	-	-	2.0
24-Jun-04	0.108	-	-	0.126	-	-	90.9	-	-	-	0.9
07-Dec-04	-	-	-	-	-	< 0.005	106.0	-	-	-	2.2
21-Jun-05	-	-	-	-	-	< 0.005	97.7	-	-	-	3.3
6-Dec-05	< 0.200	< 0.060	< 0.009	0.119	< 0.005	< 0.005	95.1	< 0.010	< 0.010	< 0.010	1.4
20-Jun-06	< 0.100	< 0.060	< 0.010	0.114	< 0.005	< 0.005	98.2	< 0.010	< 0.050	< 0.041	0.2
5-Dec-06	-	-	-	-	-	< 0.005	98.6	-	-	-	0.6
27-Jun-07	-	-	-	-	-	< 0.005	98.0	-	-	-	0.3
11-Dec-07	< 0.100	< 0.060	< 0.010	0.107	< 0.005	< 0.005	95.7	< 0.010	< 0.050	< 0.020	2.3
17-Jun-08	< 0.100	< 0.060	< 0.010	0.114	< 0.005	< 0.005	97.5	< 0.010	< 0.050	< 0.020	1.4
8-Dec-08	-	-	-	-	-	< 0.005	99.4	-	-	-	0.2
9-Jun-09	-	-	-	-	-	< 0.005	97.4	-	-	-	0.5
7-Dec-09	< 0.100	< 0.060	< 0.010	0.105	< 0.005	< 0.005	96.9	< 0.010	< 0.050	< 0.020	0.6
7-Jun-10	< 0.100	< 0.060	< 0.010	0.110	< 0.005	< 0.005	94.5	< 0.010	< 0.050	< 0.020	0.8
6-Dec-10	-	-	-	-	-	< 0.005	98.3	-	-	-	0.4
7-Jun-11	-	-	-	-	-	< 0.005	96.2	-	-	-	0.3
12-Dec-11	< 0.100	< 0.010	< 0.010	0.113	< 0.005	< 0.005	98.4	< 0.010	< 0.050	< 0.020	0.2
18-Jun-12	0.170	< 0.060	< 0.010	0.117	< 0.005	< 0.005	101.0	< 0.010	< 0.050	< 0.020	0.3
11-Dec-12	-	-	-	-	-	< 0.005	111.0	-	-	-	0.2
18-Jun-13	-	-	-	-	-	< 0.005	98.8	-	-	-	0.2
9-Dec-13	< 0.100	< 0.060	< 0.010	0.124	< 0.003	< 0.005	101.0	< 0.010	< 0.050	< 0.020	< 0.1
16-Jun-14	< 0.100	< 0.060	< 0.010	0.117	< 0.003	< 0.005	109.0	< 0.010	< 0.050	< 0.020	< 0.1
8-Dec-14	-	-	-	-	-	< 0.005	111.0	-	-	-	0.2
16-Jun-15	-	-	-	-	-	< 0.005	108.0	-	-	-	0.1
15-Dec-15	< 0.100	< 0.060	< 0.010	0.112	< 0.003	< 0.005	111.0	< 0.010	< 0.050	< 0.020	< 0.1
21-Jun-16	< 0.100	< 0.060	< 0.010	0.104	< 0.003	< 0.005	101.0	< 0.010	< 0.050	< 0.020	< 0.1
14-Dec-16	0.100	< 0.060	< 0.010	0.126	< 0.003	< 0.005	104.0	< 0.010	< 0.050	< 0.020	< 0.1
20-Jun-17	-	-	-	-	-	< 0.005	121.0	-	-	-	< 0.1
12-Dec-17	-	-	-	-	-	< 0.005	122.0	-	-	-	0.2
20-Jun-18	0.782	< 0.060	< 0.010	0.139	< 0.003	< 0.005	119.0	< 0.010	< 0.050	< 0.020	0.7
11-Dec-18	-	-	-	-	-	< 0.005	116.0	-	-	-	< 0.1
19-Jun-19	-	-	-	-	-	< 0.005	117.0	-	-	-	< 0.1
19-Dec-19	< 0.100	< 0.060	< 0.010	0.130	< 0.003	< 0.005	122.0	< 0.010	< 0.050	< 0.020	< 0.1
22-Jun-20	< 0.100	< 0.060	< 0.010	0.136	< 0.003	< 0.005	114.0	< 0.010	< 0.050	< 0.020	< 0.1
7-Dec-20	-	-	-	-	-	< 0.005	115.0	-	-	-	0.2
24-Jun-21	-	-	-	-	-	< 0.005	115.0	-	-	-	< 0.1
20-Dec-21	< 0.100	< 0.060	< 0.010	0.133	< 0.003	< 0.005	116.0	< 0.010	< 0.050	< 0.020	< 0.1
22-Jun-22	< 0.100	< 0.060	< 0.010	0.129	< 0.003	< 0.005	110.0	< 0.010	< 0.050	0.027	< 0.1
12-Dec-22	-	-	-	-	-	< 0.005	116.0	-	-	-	< 0.1

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS												
GROUNDWATER UPPER AQUIFER	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	0.0005	0.014	2
TRIGGER VALUES	0.007	147	1.5	-	0.08	59	911.6	0.013	-	-	-	0.06
<i>Monitoring Well</i> MW-17S												
3-Jun-99	ND	85.5	1.120	ND	ND	6.16	34.0	ND	ND	ND	ND	ND
8-Dec-99	ND	101.0	0.502	ND	ND	5.58	26.4	ND	ND	ND	ND	ND
3-Apr-00	ND	90.2	0.896	ND	ND	3.82	25.4	0.011	ND	ND	ND	ND
19-Sep-00	ND	92.1	0.573	ND	ND	4.07	23.5	0.009	ND	ND	ND	0.049
20-Jun-01	ND	84.6	0.317	ND	ND	3.79	21.5	ND	ND	ND	ND	0.021
9-Jan-02	ND	97.4	0.224	-	-	3.77	25.6	-	-	-	-	-
5-Jun-02	ND	90.5	0.282	-	-	3.53	23.3	-	-	-	-	-
11-Dec-02	ND	101.0	0.399	ND	ND	3.82	24.8	ND	ND	ND	ND	ND
23-Jun-03	ND	98.7	0.377	ND	ND	3.41	24.6	ND	ND	ND	ND	ND
9-Dec-03	ND	99.5	0.642	-	-	3.57	25.7	-	-	-	-	-
24-Jun-04	-	102.0	1.760	-	-	4.20	26.5	-	-	-	-	-
07-Dec-04	< 0.005	113.0	0.524	-	-	4.04	27.9	-	-	-	-	-
21-Jun-05	< 0.005	108.0	2.140	-	-	3.69	26.8	-	-	-	-	-
6-Dec-05	< 0.005	105.0	0.565	< 0.0003	< 0.040	3.41	28.0	< 0.005	< 0.010	< 0.006	< 0.010	< 0.020
20-Jun-06	< 0.005	111.0	0.624	< 0.0003	< 0.040	3.73	27.1	< 0.010	< 0.010	< 0.010	< 0.005	< 0.091
5-Dec-06	< 0.005	112.0	0.214	-	-	3.70	28.8	-	-	-	-	-
27-Jun-07	< 0.005	109.0	0.450	-	-	3.52	28.8	-	-	-	-	-
11-Dec-07	< 0.005	111.0	0.532	< 0.0003	< 0.040	3.70	26.7	< 0.010	< 0.010	< 0.010	< 0.005	< 0.021
17-Jun-08	< 0.005	111.0	0.743	< 0.0003	< 0.040	3.82	27.4	< 0.010	< 0.010	< 0.010	< 0.005	< 0.020
8-Dec-08	< 0.005	111.0	0.091	-	-	3.48	27.0	-	-	-	-	-
9-Jun-09	< 0.005	106.0	0.688	-	-	3.10	24.7	-	-	-	-	-
7-Dec-09	< 0.005	112.0	0.135	< 0.0003	< 0.040	3.80	27.8	< 0.010	< 0.010	< 0.010	< 0.005	< 0.020
7-Jun-10	< 0.005	108.0	0.554	< 0.0003	< 0.040	3.10	25.0	< 0.010	< 0.010	< 0.010	< 0.005	< 0.020
6-Dec-10	< 0.005	110.0	0.095	-	-	3.60	27.0	-	-	-	-	-
7-Jun-11	< 0.005	111.0	0.405	-	-	3.50	26.9	-	-	-	-	-
12-Dec-11	< 0.005	113.0	0.142	< 0.0002	< 0.040	3.70	28.0	< 0.010	< 0.010	< 0.010	< 0.005	0.023
18-Jun-12	< 0.005	114.0	0.507	< 0.0002	< 0.040	3.80	28.4	< 0.010	< 0.010	< 0.010	< 0.005	< 0.020
11-Dec-12	< 0.005	122.0	0.482	-	-	3.80	30.3	-	-	-	-	-
18-Jun-13	< 0.005	113.0	0.524	-	-	3.10	27.2	-	-	-	-	-
9-Dec-13	< 0.005	123.0	0.232	< 0.0002	< 0.040	3.60	28.4	< 0.010	< 0.010	< 0.010	< 0.005	< 0.020
16-Jun-14	< 0.005	123.0	0.034	< 0.0002	< 0.040	6.00	30.0	< 0.010	< 0.010	< 0.010	< 0.005	< 0.024
8-Dec-14	< 0.005	129.0	0.381	-	-	3.70	30.3	-	-	-	-	-
16-Jun-15	< 0.005	122.0	0.222	-	-	3.20	28.1	-	-	-	-	-
15-Dec-15	< 0.005	118.0	0.084	< 0.0002	< 0.040	3.59	28.8	< 0.010	< 0.010	< 0.010	< 0.005	< 0.020
21-Jun-16	< 0.005	108.0	0.135	< 0.0002	< 0.040	3.50	30.2	< 0.010	< 0.010	< 0.010	< 0.005	< 0.020
14-Dec-16	< 0.005	124.0	0.134	< 0.0002	< 0.040	3.80	30.7	< 0.010	< 0.010	< 0.010	< 0.005	< 0.020
20-Jun-17	< 0.005	137.0	0.123	-	-	3.90	31.1	-	-	-	-	-
12-Dec-17	< 0.005	139.0	0.175	-	-	4.10	32.9	-	-	-	-	-
20-Jun-18	< 0.005	137.0	0.284	< 0.0002	< 0.040	3.99	31.5	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
11-Dec-18	< 0.005	130.0	0.214	-	-	3.80	32.3	-	-	-	-	-
19-Jun-19	< 0.005	134.0	0.161	-	-	3.80	30.5	-	-	-	-	-
19-Dec-19	< 0.005	131.0	0.138	< 0.0002	< 0.040	3.71	31.7	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
22-Jun-20	< 0.005	137.0	0.116	< 0.0002	< 0.040	3.68	31.1	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
7-Dec-20	< 0.005	133.0	0.350	-	-	3.80	31.4	-	-	-	-	-
24-Jun-21	< 0.005	136.0	0.081	-	-	3.50	29.9	-	-	-	-	-
20-Dec-21	< 0.005	134.0	0.016	< 0.0002	< 0.040	3.78	32.2	< 0.010	< 0.010	< 0.010	< 0.050	0.031
22-Jun-22	< 0.005	131.0	0.072	< 0.0002	< 0.040	4.87	31.0	< 0.010	< 0.010	< 0.010	< 0.050	0.045
12-Dec-22	< 0.005	133.0	0.074	-	-	3.80	31.9	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-17S											
3-Jun-99	-	-	-	-	-	-	-	-	-	-	-
8-Dec-99	-	-	-	-	-	-	-	-	-	-	-
3-Apr-00	-	-	-	-	-	-	-	-	-	-	-
19-Sep-00	-	-	-	-	-	-	-	-	-	-	-
20-Jun-01	-	-	-	-	-	-	-	-	-	-	-
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	-	-	-	-	-	-	-	-	-	-	-
23-Jun-03	-	-	-	-	-	-	-	-	-	-	-
9-Dec-03	-	-	-	-	-	-	-	-	-	-	-
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-
07-Dec-04	-	-	-	-	-	-	-	-	-	-	-
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-
17-Jun-08	-	-	-	-	-	-	-	-	-	-	-
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	-	-	-	-	-	-	-	-	-	-	-
7-Jun-10	-	-	-	-	-	-	-	-	-	-	-
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	-	-	-	-	-	-	-	-	-	-	-
18-Jun-12	-	-	-	-	-	-	-	-	-	-	-
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-
9-Dec-13	-	-	-	-	-	-	-	-	-	-	-
16-Jun-14	-	-	-	-	-	-	-	-	-	-	-
8-Dec-14	-	-	-	-	-	-	-	-	-	-	-
16-Jun-15	-	-	-	-	-	-	-	-	-	-	-
15-Dec-15	-	-	-	-	-	-	-	-	-	-	-
21-Jun-16	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-
22-Jun-20	-	-	-	-	-	-	-	-	-	-	-
7-Dec-20	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	-	-	-	-	-	-	-	-	-	-	-
22-Jun-22	-	-	-	-	-	-	-	-	-	-	-
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS												
GROUNDWATER UPPER AQUIFER	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	0	0.014	2
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-17S												
3-Jun-99	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
3-Apr-00	-	-	-	-	-	-	-	-	-	-	-	-
19-Sep-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-01	-	-	-	-	-	-	-	-	-	-	-	-
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-03	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-10	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-12	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-13	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-14	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-14	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-15	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-15	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											
	Acetone (ug/l)	Benzene (ug/l)	Bromo- dichloro- methane (ug/l)	Bromo- form (ug/l)	Bromo- methane (ug/l)	2-Butanone (MEK) (ug/l)	Carbon Disulfide (ug/l)	Carbon- Tetra- chloride (ug/l)	Chloro- benzene (ug/l)	Chloro- ethane (ug/l)	Chloro- form (ug/l)	Chloro- methane (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	1	50	50	5	50	60	5	5	5	7	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-17S</i>												
3-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
23-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-06	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
17-Jun-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
7-Jun-10	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
18-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
16-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
16-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
15-Dec-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
21-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
14-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
7-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	Dibromo- chloro- methane (ug/l)	Dichloro- difluoro- methane (ug/l)	1,1- Dichloro- ethane (ug/l)	1,2- Dichloro- ethane (ug/l)	1,1- Dichloro- ethene (ug/l)	Cis-1,2- Dichloro- ethene (ug/l)	Trans-1,2- Dichloro- ethene (ug/l)	1,2- Dichloro- propane (ug/l)	Cis-1,3- Dichloro- propene (ug/l)	Trans-1,3- Dichloro- propene (ug/l)	Ethyl- benzene (ug/l)	2- Hexanone (ug/l)	Methylene- Chloride (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	5	5	0.6	5	5	5	1	0.4	0.4	5	50	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-17S</i>													
3-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
23-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-	-
07-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-06	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
17-Jun-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
7-Jun-10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
18-Jun-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
16-Jun-14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-14	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
16-Jun-15	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
15-Dec-15	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
21-Jun-16	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
14-Dec-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-20	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
7-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-22	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	4-Methyl- 2- Pentanone	Styrene	1,1,2,2- Tetrachloro- ethane	Tetra- chloro- ethene	Toluene	1,1,1- Trichloro- ethane	1,1,2- Trichloro- ethane	Trichloro- ethene	Vinyl Chloride	O- Xylene	M & P- Xylene	SUM OF ORGANIC COMPOUNDS (DETECTED)
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
<i>Monitoring Well MW-17S</i>												
3-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
8-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
3-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
19-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
20-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
5-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
23-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
9-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-	0
07-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
5-Dec-06	-	-	-	-	-	-	-	-	-	< -	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	< -	-	-
11-Dec-07	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
17-Jun-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
7-Jun-10	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
18-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
16-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
16-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
15-Dec-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
21-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
14-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
7-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP. (deg. F)	Eh (mV)	DISS OX (mg/L)	pH (Std units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Pt/Cl)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	6.5 -- 8.5	-	-	-	-	-	500	250	250
TRIGGER VALUES	64	389	176	10.4	5152	136	67	1501	1000	2782.85	1161.5	142
<i>Monitoring Well PZ-2</i>												
21-Jun-04	59.90	-80.0	-	6.98	4200	365.0	20	1800	3320	2530	864	103.0
7-Dec-04	50.18	-67.0	-	7.35	4471	572.0	-	1120	2080	2570	894	145.0
23-Jun-05	55.22	-137.0	-	7.34	4356	11.3	< 0.5	1150	1580	2640	822	160.0
6-Dec-05	46.04	-146.0	-	6.34	4386	139.0	75	1100	1840	2510	874	111.0
20-Jun-06	57.20	205.0	-	7.02	3215	45.7	40	1100	1920	2740	900	137.0
5-Dec-06	43.16	-29.0	-	7.02	4070	268.0	-	1090	1820	2540	850	122.0
27-Jun-07	57.60	90.0	-	6.99	4740	388.0	-	1150	1710	2700	939	140.0
11-Dec-07	53.78	-136.0	-	7.46	3825	18.0	20	1050	1860	2320	841	37.9
19-Jun-08	63.14	-108.0	-	6.81	4287	42.3	5	1140	1720	2540	444	96.3
10-Dec-08	44.60	-66.0	-	6.99	4310	18.7	-	1100	1620	2350	900	47.3
9-Jun-09	60.44	-81.0	-	6.77	4271	6.4	-	1100	1550	2480	850	146.0
8-Dec-09	48.02	-83.0	-	6.80	4206	6.1	100	1050	1560	2270	819	33.6
15-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	54.86	-69.0	-	6.90	4361	16.0	20	1100	1700	2250	753	37.1
7-Dec-10	41.90	-64.0	-	6.82	4127	9.7	-	1030	1520	2180	786	11.2
10-Jun-11	56.30	-104.0	-	6.70	3923	11.2	-	1110	1450	2380	673	108.0
13-Dec-11	46.94	-77.0	23.60	6.81	40.44	46.1	60	1140	1370	2350	686	114.0
19-Jun-12	62.06	-85.0	-	6.76	4040	14.6	26	1100	1380	2350	702	134.0
12-Dec-12	49.82	-95.0	-	6.75	3678	16.2	-	1100	1340	2190	681	52.7
18-Jun-13	55.40	-140.0	-	6.75	3856	11.2	-	1150	1320	2210	648	78.9
12-Dec-13	42.26	-80.0	-	6.93	3766	17.6	85	1130	1320	2180	668	29.7
17-Jun-14	55.94	-82.0	-	6.70	3813	49.1	18	1110	1320	2170	608	92.2
9-Dec-14	47.48	-86.0	-	6.75	3648	36.7	-	1100	1420	2160	622	86.9
17-Jun-15	56.48	-118.0	-	6.82	3630	111.0	-	1130	1230	1730	626	89.2
16-Dec-15	48.38	-61.0	-	6.85	3480	87.2	29	1100	1260	2020	617	91.8
22-Jun-16	53.24	-106.0	-	6.82	3440	47.1	60	1070	1240	2110	573	156.0
15-Dec-16	48.74	-96.0	-	7.02	3348	6.9	500	1100	1090	1890	552	56.4
21-Jun-17	53.96	-87.0	-	6.91	3380	4.8	-	1080	1160	1910	535	119.0
13-Dec-17	50.36	-62.0	-	6.81	3345	16.2	-	1070	1200	1810	469	114.0
19-Jun-18	53.24	-103.0	-	6.76	3446	8.0	21	1040	1220	2000	502	148.0
12-Dec-18	50.90	-87.0	-	6.62	3410	46.1	-	965	1700	1020	469	177.0
18-Jun-19	52.34	-87.0	-	6.82	3390	3.1	-	954	1200	1990	481	184.0
19-Dec-19	47.48	-66.0	-	6.90	3306	12.0	15	1010	1130	2030	522	171.0
23-Jun-20	53.24	-85.0	-	6.72	3271	32.3	28	966	1140	2000	412	165.0
8-Dec-20	47.48	-113.0	-	7.14	3267	6.8	-	968	1130	1750	470	151.0
25-Jun-21	52.52	-112.0	-	6.80	3401	23.4	-	998	1170	2080	505	274.0
21-Dec-21	50.54	-70.0	-	6.53	3334	5.2	380	1090	1120	1960	468	243.0
23-Jun-22	54.32	-95.0	-	6.77	3148	3.1	3	966	1070	1950	437	207.0
13-Dec-22	50.36	-39.0	-	6.71	3146	9.7	-	1110	1040	1880	407	165.0

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS											
GROUNDWATER UPPER AQUIFER	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	2	1	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	-	0.9	-	-	66	71	127.7096	37.98	39.6	0.0053	-
<i>Monitoring Well</i> PZ-2											
21-Jun-04	1.73	0.25	-	-	0.99	8.370	35.00	-	9.57	-	-
7-Dec-04	1.81	-	-	< 0.50	0.68	6.900	349.00	6.29	9.06	< 0.005	-
23-Jun-05	1.52	-	-	-	1.35	3.170	39.80	2.22	9.06	< 0.005	-
6-Dec-05	1.72	< 0.10	< 0.01	< 0.50	0.89	4.000	25.10	4.63	7.96	< 0.005	< 0.010
20-Jun-06	2.01	< 0.20	0.02	0.77	0.67	2.010	26.80	8.61	9.32	< 0.005	< 0.010
5-Dec-06	1.48	-	-	< 0.50	0.56	2.610	21.20	8.16	9.14	0.007	-
27-Jun-07	< 1.00	-	-	0.54	1.36	2.700	23.20	5.89	8.54	< 0.005	-
11-Dec-07	1.42	< 0.20	< 0.01	< 0.50	0.65	2.380	28.40	< 2.00	9.27	< 0.005	< 0.010
19-Jun-08	1.20	< 0.20	0.02	< 0.50	0.70	2.170	21.50	< 2.00	7.64	< 0.005	< 0.010
10-Dec-08	1.79	-	-	< 0.50	0.75	3.240	44.90	6.44	9.06	< 0.005	-
9-Jun-09	1.10	-	-	< 0.50	0.65	1.820	31	6.5	9.70	< 0.005	-
8-Dec-09	1.30	< 0.20	< 0.01	< 0.50	0.75	2.840	18.90	4.50	11.90	< 0.005	< 0.010
15-Dec-09	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	1.20	< 0.20	< 0.01	< 0.50	0.64	2.360	34.50	8.80	12.30	< 0.005	< 0.010
7-Dec-10	1.10	-	-	< 1.00	0.73	2.040	33.40	4.90	8.90	< 0.005	-
10-Jun-11	< 1.00	-	-	< 1.00	0.71	2.070	26.20	6.50	8.10	< 0.005	-
13-Dec-11	1.00	< 0.20	< 0.01	< 1.00	0.78	2.030	23.60	2.40	8.70	< 0.005	< 0.010
19-Jun-12	1.60	< 0.20	0.02	< 1.00	0.76	3.500	41.10	4.40	8.50	< 0.005	< 0.010
12-Dec-12	< 3.00	-	-	< 1.00	0.73	2.100	36.40	< 2.00	13.20	0.006	-
18-Jun-13	< 1.00	-	-	< 1.00	0.90	11.600	49.90	23.10	14.50	< 0.005	-
12-Dec-13	< 1.00	< 0.20	0.03	< 1.00	0.92	2.740	30.40	9.30	8.20	0.011	< 0.010
17-Jun-14	< 1.00	< 0.20	< 0.01	< 1.00	0.82	2.370	30.00	< 2.00	8.40	< 0.005	< 0.010
9-Dec-14	< 1.00	-	-	< 1.00	0.95	4.040	21.40	< 2.00	20.70	< 0.005	-
17-Jun-15	< 1.00	-	-	< 1.00	1.45	1.920	27.30	< 2.00	7.30	< 0.005	-
16-Dec-15	< 1.00	< 0.20	< 0.01	< 1.00	1.36	1.810	40.80	3.40	14.20	< 0.005	< 0.010
22-Jun-16	< 1.00	< 0.20	< 0.01	< 1.00	1.44	1.930	19.30	3.50	7.60	< 0.005	< 0.010
15-Dec-16	< 1.00	< 0.20	< 0.01	< 1.00	1.44	1.940	22.50	3.90	7.40	< 0.005	< 0.010
21-Jun-17	< 1.00	-	-	< 1.00	1.75	2.960	24.50	8.20	9.00	0.017	-
13-Dec-17	< 1.00	-	-	< 1.00	2.31	2.910	28.10	< 2.00	13.30	< 0.005	-
19-Jun-18	1.10	0.21	< 0.01	< 1.00	2.07	3.090	22.80	< 2.00	44.90	< 0.005	< 0.010
12-Dec-18	< 1.00	-	-	< 1.00	2.34	3.470	24.80	2.10	8.00	< 0.010	-
18-Jun-19	< 1.00	-	-	< 1.00	1.90	3.050	20.60	2.00	7.80	< 0.005	-
19-Dec-19	1.00	< 0.20	< 0.05	< 1.00	2.54	4.110	26.60	5.00	7.20	< 0.005	< 0.005
23-Jun-20	< 1.00	0.20	< 0.05	< 1.00	2.54	3.500	21.40	< 2.00	6.80	< 0.005	< 0.005
8-Dec-20	< 1.00	-	-	< 1.00	2.17	3.260	19.40	< 2.00	6.80	< 0.005	-
25-Jun-21	1.10	-	-	< 1.00	2.39	3.260	23.40	5.90	7.50	< 0.005	-
21-Dec-21	1.30	< 0.20	< 0.05	< 1.00	2.38	3.090	17.50	< 2.00	6.90	< 0.005	< 0.005
23-Jun-22	< 1.00	< 0.20	< 0.01	< 1.00	2.73	3.390	14.50	< 2.00	5.40	< 0.005	< 0.005
13-Dec-22	< 1.00	-	-	< 1.00	2.58	3.810	23.10	< 2.00	5.60	< 0.005	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS											
GROUNDWATER UPPER AQUIFER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.30
TRIGGER VALUES	3.9	-	0.033	3.0	-	-	199.62	0.02	-	-	34.3
<i>Monitoring Well</i> PZ-2											
21-Jun-04	63.300	-	0.018	2.03	-	-	445.0	0.090	-	0.097	96.3
7-Dec-04	-	-	-	-	-	< 0.005	538.0	-	-	-	128.0
23-Jun-05	-	-	-	-	-	< 0.005	377.0	-	-	-	24.6
6-Dec-05	0.945	< 0.060	0.021	0.690	< 0.005	< 0.005	361.0	< 0.010	< 0.010	< 0.010	21.7
20-Jun-06	40.100	< 0.060	< 0.010	0.990	< 0.005	< 0.005	434.0	0.047	< 0.050	0.063	70.1
5-Dec-06	-	-	-	-	-	< 0.005	398.0	-	-	-	32.2
27-Jun-07	-	-	-	-	-	< 0.005	419.0	-	-	-	52.0
11-Dec-07	66.300	< 0.060	0.016	1.140	< 0.005	< 0.005	414.0	0.090	< 0.050	0.093	90.0
19-Jun-08	1.890	< 0.060	< 0.010	0.570	< 0.005	< 0.005	335.0	< 0.010	< 0.050	< 0.020	23.1
10-Dec-08	-	-	-	-	-	< 0.005	352.0	-	-	-	37.1
9-Jun-09	-	-	-	-	-	< 0.005	340.0	-	-	-	33.8
8-Dec-09	22.400	< 0.060	< 0.010	0.813	< 0.005	< 0.005	336.0	0.028	< 0.050	0.028	41.9
15-Dec-09	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	25.500	< 0.060	< 0.010	0.968	< 0.005	< 0.005	375.0	< 0.010	< 0.050	0.041	47.8
7-Dec-10	-	-	-	-	-	< 0.005	341.0	-	-	-	33.5
10-Jun-11	-	-	-	-	-	< 0.005	352.0	-	-	-	37.1
13-Dec-11	2.450	< 0.060	< 0.010	0.937	< 0.005	< 0.005	309.0	< 0.010	< 0.050	< 0.020	28.4
19-Jun-12	4.740	< 0.060	< 0.010	0.754	< 0.005	< 0.005	299.0	< 0.010	< 0.050	< 0.020	30.8
12-Dec-12	-	-	-	-	-	< 0.005	290.0	-	-	-	23.9
18-Jun-13	-	-	-	-	-	< 0.005	280.0	-	-	-	26.2
12-Dec-13	8.350	< 0.060	< 0.010	0.801	< 0.003	< 0.005	272.0	< 0.010	< 0.050	0.022	29.0
17-Jun-14	1.230	< 0.060	< 0.010	0.815	< 0.003	< 0.005	288.0	< 0.010	< 0.050	0.022	26.0
9-Dec-14	-	-	-	-	-	< 0.005	149.0	-	-	-	41.9
17-Jun-15	-	-	-	-	-	< 0.005	290.0	-	-	-	23.2
16-Dec-15	6.630	< 0.060	< 0.010	0.655	< 0.003	< 0.005	297.0	< 0.010	< 0.050	< 0.200	29.3
22-Jun-16	8.600	< 0.060	< 0.010	0.808	< 0.003	< 0.005	297.0	< 0.010	< 0.050	< 0.020	33.3
15-Dec-16	6.980	< 0.060	< 0.010	0.714	< 0.003	< 0.005	243.0	< 0.010	< 0.050	< 0.020	26.3
21-Jun-17	-	-	-	-	-	< 0.005	256.0	-	-	-	22.5
13-Dec-17	-	-	-	-	-	< 0.005	258.0	-	-	-	25.7
19-Jun-18	6.250	< 0.060	< 0.010	0.590	< 0.003	< 0.005	270.0	< 0.010	< 0.050	< 0.020	30.9
12-Dec-18	-	-	-	-	-	< 0.005	458.0	-	-	-	17.8
18-Jun-19	-	-	-	-	-	< 0.005	252.0	-	-	-	17.2
19-Dec-19	6.540	< 0.060	< 0.010	0.431	< 0.003	< 0.005	232.0	< 0.010	< 0.050	< 0.020	22.6
23-Jun-20	3.580	< 0.060	< 0.010	0.373	< 0.003	< 0.005	235.0	0.004	< 0.050	0.005	20.1
8-Dec-20	-	-	-	-	-	< 0.005	237.0	-	-	-	20.9
25-Jun-21	-	-	-	-	-	< 0.005	245.0	-	-	-	18.1
21-Dec-21	0.300	< 0.060	< 0.010	0.245	< 0.003	< 0.005	237.0	< 0.010	< 0.050	< 0.020	16.9
23-Jun-22	0.566	< 0.060	< 0.010	0.238	< 0.003	< 0.005	222.0	< 0.010	< 0.050	< 0.020	15.9
13-Dec-22	-	-	-	-	-	< 0.005	219.0	-	-	-	14.5

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS												
GROUNDWATER UPPER AQUIFER	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	0.0005	0.014	2
TRIGGER VALUES	0.007	147	1.5	-	-	59	911.6	0.013	-	-	-	0.06
<i>Monitoring Well PZ-2</i>												
21-Jun-04	0.045	189.0	1.840	-	0.082	20.90	366	-	-	-	0.1	0.2
7-Dec-04	0.068	202.0	2.330	-	-	23.90	378	-	-	-	-	-
23-Jun-05	< 0.005	176.0	0.558	-	-	4.46	416	-	-	-	-	-
6-Dec-05	< 0.005	162.0	0.559	< 0.0003	< 0.040	5.32	371	< 0.005	< 0.010	< 0.006	< 0.010	0.048
20-Jun-06	0.030	194.0	1.260	< 0.0003	0.066	13.60	416	< 0.010	< 0.010	< 0.010	0.070	0.142
5-Dec-06	0.006	181.0	0.734	-	-	6.77	394	-	-	-	-	-
27-Jun-07	0.015	179.0	0.993	-	-	11.40	451	-	-	-	-	-
11-Dec-07	0.043	188.0	1.760	< 0.0003	0.084	19.80	372	< 0.010	< 0.010	0.013	0.119	0.310
19-Jun-08	< 0.005	148.0	0.505	< 0.0003	< 0.040	3.80	393	< 0.010	< 0.010	< 0.010	< 0.050	0.039
10-Dec-08	0.009	165.0	0.786	-	-	8.54	403	-	-	-	-	-
9-Jun-09	0.007	160.0	0.657	-	-	6.50	377	-	-	-	-	-
8-Dec-09	0.013	168.0	0.958	< 0.0003	< 0.040	10.20	396	< 0.010	< 0.010	< 0.010	< 0.050	0.076
15-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	0.021	159.0	0.976	< 0.0003	< 0.040	9.90	393	< 0.010	< 0.010	< 0.010	< 0.050	0.113
7-Dec-10	0.011	150.0	0.690	-	-	8.20	343	-	-	-	-	-
10-Jun-11	< 0.005	143.0	0.573	-	-	6.60	410	-	-	-	-	-
13-Dec-11	< 0.005	145.0	0.525	< 0.0002	< 0.040	4.60	412	< 0.010	< 0.010	< 0.010	< 0.050	0.025
19-Jun-12	< 0.005	149.0	0.566	< 0.0002	< 0.040	5.30	392	< 0.010	< 0.010	< 0.010	< 0.050	0.090
12-Dec-12	< 0.005	148.0	0.515	-	-	5.00	410	-	-	-	-	-
18-Jun-13	< 0.005	137.0	0.492	-	-	5.30	383	-	-	-	-	-
12-Dec-13	< 0.005	133.0	0.571	< 0.0002	< 0.040	6.40	392	< 0.010	< 0.010	< 0.010	< 0.050	0.476
17-Jun-14	< 0.005	135.0	0.475	< 0.0002	< 0.040	5.20	381	< 0.010	< 0.010	< 0.010	< 0.050	0.066
9-Dec-14	0.013	134.0	0.627	-	-	8.00	187	-	-	-	-	-
17-Jun-15	< 0.005	128.0	0.472	-	-	4.50	407	-	-	-	-	-
16-Dec-15	0.007	127.0	0.523	< 0.0002	< 0.040	5.70	391	< 0.010	< 0.010	< 0.010	< 0.050	0.153
22-Jun-16	< 0.005	121.0	0.532	< 0.0002	< 0.040	6.70	385	< 0.010	< 0.010	< 0.010	< 0.050	0.116
15-Dec-16	< 0.005	116.0	0.499	< 0.0002	< 0.040	6.30	367	< 0.010	< 0.010	< 0.010	< 0.050	0.073
21-Jun-17	< 0.005	127.0	0.420	-	-	6.10	361	-	-	-	-	-
13-Dec-17	< 0.005	136.0	0.493	-	-	7.10	362	-	-	-	-	-
19-Jun-18	< 0.005	133.0	0.488	< 0.0002	< 0.040	7.62	379	< 0.010	< 0.010	< 0.010	< 0.050	0.032
12-Dec-18	< 0.005	134.0	0.445	-	-	6.20	369	-	-	-	-	-
18-Jun-19	< 0.005	140.0	0.463	-	-	6.60	350	-	-	-	-	-
19-Dec-19	< 0.005	135.0	0.580	< 0.0002	< 0.040	7.52	333	< 0.010	< 0.010	< 0.010	< 0.050	0.278
23-Jun-20	< 0.005	135.0	0.577	< 0.0002	< 0.040	6.90	335	< 0.010	< 0.010	0.009	0.006	0.017
8-Dec-20	< 0.005	131.0	0.609	-	-	6.80	348	-	-	-	-	-
25-Jun-21	< 0.005	135.0	0.619	-	-	5.70	343	-	-	-	-	-
21-Dec-21	< 0.005	129.0	0.616	< 0.0002	< 0.040	5.13	329	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
23-Jun-22	< 0.005	124.0	0.620	< 0.0002	< 0.040	5.73	319	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
13-Dec-22	< 0.005	119.0	0.584	-	-	6.10	326	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> PZ-2											
21-Jun-04	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-
15-Dec-09	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	-	-	-	-	-	-	-	-	-	-	-
7-Dec-10	-	-	-	-	-	-	-	-	-	-	-
10-Jun-11	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-
19-Jun-12	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	-	-	-	-	-	-	-	-	-	-	-
17-Jun-14	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-
15-Dec-16	-	-	-	-	-	-	-	-	-	-	-
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS												
GROUNDWATER UPPER AQUIFER	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	-	0.014	2
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> PZ-2												
21-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-12	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-14	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-16	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											
	Acetone ug/l	Benzene ug/l	Bromo- dichloro- methane ug/l	Bromo- form ug/l	Bromo- methane ug/l	2-Butanone (MEK) ug/l	Carbon Disulfide ug/l	Carbon- Tetra- chloride ug/l	Chloro- benzene ug/l	Chloro- ethane ug/l	Chloro- form ug/l	Chloro- methane ug/l
6NYCRR Part 703 GROUNDWATER STANDARD	50	1	50	50	5	50	60	5	5	5	7	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well PZ-2</i>												
21-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-06	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
19-Jun-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-09	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Jun-10	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
7-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
19-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
17-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	2.0	< 1.0	< 1.0
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
16-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
15-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)												
	Dibromo- chloro- methane ug/l	Dichloro- difluoro- methane ug/l	1,1- Dichloro- ethane ug/l	1,2- Dichloro- ethane ug/l	1,1- Dichloro- ethene ug/l	Cis-1,2- Dichloro- ethene ug/l	Trans-1,2- Dichloro- ethene ug/l	1,2- Dichloro- propane ug/l	Cis-1,3- Dichloro- propene ug/l	Trans-1,3- Dichloro- propene ug/l	Ethyl- benzene ug/l	2- Hexanone ug/l	Methylene- Chloride ug/l
6NYCRR Part 703 GROUNDWATER STANDARD	50	5	5	0.6	5	5	5	1	0.4	0.4	5	50	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well PZ-2</i>													
21-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-06	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
19-Jun-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-09	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Jun-10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
7-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
19-Jun-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
17-Jun-14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Dec-14	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
17-Jun-15	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
16-Dec-15	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
15-Dec-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-20	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-22	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											SUM OF ORGANIC COMPOUNDS (DETECTED)
	4-Methyl- 2-Pentanone ug/l	Styrene ug/l	1,1,2,2- Tetrachloro- ethane ug/l	Tetra- chloro- ethene ug/l	Toluene ug/l	1,1,1- Trichloro- ethane ug/l	1,1,2- Trichloro- ethane ug/l	Trichloro- ethene ug/l	Vinyl Chloride ug/l	O- Xylene ug/l	M & P- Xylene ug/l	
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
<i>Monitoring Well PZ-2</i>												
21-Jun-04	-	-	-	-	-	-	-	-	-	-	-	0
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
19-Jun-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-09	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Jun-10	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
7-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
19-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
17-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	2
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
16-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
15-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
23-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP. (deg. F)	Eh (mV)	DISS OX (mg/L)	pH (Std units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Pt/Cl)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	6.5 -- 8.5	-	-	-	-	-	500	250	250
TRIGGER VALUES	64	389	176	10.4	5152	136	67	1501	1000	2783	1162	142
<i>Monitoring Well</i> PZ-3												
3-Jun-99	56.17	146.6	-99.99	7.15	760	2.4	ND	418	460	504	6.10	64.8
8-Dec-99	50.71	222.0	96.20	7.49	551	1.7	ND	440	503	503	5.09	65.3
4-Apr-00	47.00	196.0	20.44	7.27	761	2.1	ND	433	480	511	5.40	65.3
20-Jun-01	52.70	-144.4	-23.90	8.15	784	56.6	5	451	504	539	5.27	67.4
9-Jan-02	49.64	-	-	6.96	841	2.0	-	455	520	546	5.78	63.2
6-Jun-02	50.50	216.0	4.25	6.98	723	21.6	-	460	512	550	5.09	66.9
10-Dec-02	49.84	1.0	2.84	7.00	1000	45.9	5	495	570	553	4.33	62.1
24-Jun-03	52.47	-0.6	0.45	6.85	206	-0.1	10	483	530	571	5.23	71.2
8-Dec-03	48.60	-	1.90	6.98	759	0.2	-	475	520	572	5.95	68.0
23-Jun-04	68.54	-6.0	3.49	7.25	880	3.5	5	490	515	570	4.92	66.3
7-Dec-04	48.74	-17.0	-	7.04	960	3.2	-	510	545	596	5.81	71.7
21-Jun-05	55.40	-42.0	1.81	7.21	984	0.9	-	522	615	604	6.15	64.5
5-Dec-05	49.28	-55.0	3.00	7.09	1130	2.1	10	530	590	604	6.07	60.5
20-Jun-06	57.56	-6.0	1.46	6.87	970	2.5	10	482	628	583	5.41	56.1
6-Dec-06	47.66	-15.0	3.13	7.22	1070	2.4	-	642	600	606	6.13	68.4
27-Jun-07	54.30	-103.0	0.77	7.17	1035	3.7	-	600	648	682	8.42	71.3
11-Dec-07	46.76	-78.0	3.24	6.04	1085	2.2	20	602	640	636	4.89	45.6
17-Jun-08	52.90	-108.0	1.60	7.15	1060	3.9	5	290	656	622	5.44	30.2
8-Dec-08	44.60	-105.0	160.00	7.20	1235	8.0	-	642	734	772	8.72	119.0
8-Jun-09	51.26	-105.0	1.68	6.60	1130	6.9	-	582	621	653	6.00	58.1
8-Dec-09	47.12	-84.0	6.01	6.73	1155	7.3	20	620	739	779	7.80	131.0
7-Jun-10	52.16	-158.0	1.38	6.94	980	8.0	20	639	730	716	6.60	70.9
6-Dec-10	45.32	24.0	4.13	6.77	108.5	18.1	-	555	715	746	5.90	128.0
7-Jun-11	53.96	61.0	1.59	6.68	1012	6.9	-	537	590	650	4.40	80.8
12-Dec-11	46.94	18.0	2.91	6.80	1065	5.5	13	538	585	619	4.80	80.4
18-Jun-12	56.30	-12.0	2.93	6.53	1055	2.4	7	503	605	633	4.50	86.5
12-Dec-12	50.36	-92.0	-	6.79	1204	2.2	-	654	700	728	4.90	64.7
18-Jun-13	56.12	-80.0	3.30	6.80	1115	3.8	-	636	660	666	4.30	39.2
9-Dec-13	50.18	-47.0	1.40	6.61	1290	4.1	33	723	860	801	7.10	86.0
16-Jun-14	56.84	-96.0	3.88	6.68	1170	6.7	18	620	680	668	5.80	57.6
8-Dec-14	44.60	-27.0	0.84	6.72	1768	9.2	-	863	1160	1290	19.90	339.0
16-Jun-15	54.32	-163.0	1.50	6.80	1185	5.7	-	620	733	721	5.70	75.9
15-Dec-15	51.62	-84.0	2.11	6.85	1290	2.1	34	640	707	751	6.10	99.7
21-Jun-16	53.06	-112.0	0.34	6.93	1230	5.7	60	818	781	964	10.40	123.0
15-Dec-16	48.38	19.0	3.41	7.02	1283	2.5	20	539	659	700	6.60	131.0
20-Jun-17	54.32	-105.0	0.82	6.96	1205	3.4	-	621	707	728	5.40	84.3
12-Dec-17	48.92	-110.0	1.84	7.10	1170	1.8	-	604	732	686	6.40	91.4
20-Jun-18	52.88	-162.0	0.53	6.74	1182	2.0	75	589	699	738	6.30	78.9
11-Dec-18	46.04	-128.0	1.99	6.96	1200	5.7	-	558	729	709	6.20	88.0
19-Jun-19	52.88	-164.0	0.66	6.85	1124	0.7	-	547	655	692	6.40	75.0
19-Dec-19	46.22	-43.0	1.50	6.92	1230	2.2	15	570	726	812	9.60	141.0
22-Jun-20	56.48	-150.0	0.76	6.84	1208	4.7	20	622	730	771	8.40	88.4
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	54.86	-134.0	1.05	6.80	1303	2.4	-	732	838	917	10.80	153.0
20-Dec-21	47.84	-148.0	0.97	6.78	1136	0.4	5	605	631	691	6.7	78.9
22-Jun-22	55.76	-141.0	0.59	6.63	1138	0.4	1	602	627	712	6.3	72.3
12-Dec-22	50.54	167.0	8.34	7.05	1626	1.2	-	697	1190	1510	21.50	599.0

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS

GROUNDWATER UPPER AQUIFER	Br	BORON	Cr+6	NO3-N	NH3-N	TKN	COD	BOD-5	TOC	TOTAL PHENOLS	TOTAL CYANIDE
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	2	1	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	2.3	0.9	0.01	2.8	66	71	128	37.98	39.6	0.0053	-
<i>Monitoring Well</i> PZ-3											
3-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	1.83	ND	ND
8-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	1.62	ND	ND
4-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	1.66	ND	ND
20-Jun-01	ND	ND	ND	0.54	ND	ND	ND	ND	1.73	ND	ND
9-Jan-02	ND	-	-	ND	ND	ND	ND	ND	1.20	ND	-
6-Jun-02	ND	-	-	0.58	ND	ND	6.72	ND	1.36	ND	-
10-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	2.08	ND	ND
24-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	1.96	ND	ND
8-Dec-03	ND	-	-	ND	ND	ND	ND	ND	1.72	ND	-
23-Jun-04	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	< 1.00	-	-	< 0.50	< 0.05	< 0.200	6.11	< 2	1.71	< 0.005	-
21-Jun-05	< 1.00	-	-	< 0.50	< 0.05	0.218	< 5.00	< 2.00	1.66	< 0.005	-
5-Dec-05	< 1.00	< 0.10	< 0.01	< 0.50	< 0.05	< 0.200	< 5.00	< 2.00	1.23	< 0.005	< 0.010
20-Jun-06	< 1.00	< 0.20	< 0.01	< 0.50	< 0.05	< 0.200	5.45	< 2.00	1.62	< 0.005	< 0.010
6-Dec-06	< 1.00	-	-	< 0.50	< 0.05	< 0.200	< 5.00	< 2.00	2.04	< 0.005	-
27-Jun-07	< 1.00	-	-	< 0.50	< 0.05	< 0.200	< 5.00	< 2.00	3.33	< 0.005	-
11-Dec-07	< 1.00	< 0.20	< 0.01	< 0.50	< 0.05	0.308	< 5.00	< 2.00	2.63	< 0.005	< 0.010
17-Jun-08	< 1.00	< 0.20	< 0.01	< 0.50	< 0.05	< 0.200	< 5.00	< 2.00	1.97	< 0.005	< 0.010
8-Dec-08	< 1.00	-	-	0.64	< 0.05	< 0.200	9.26	< 2.00	< 2.00	< 0.005	-
8-Jun-09	< 1.00	-	-	< 0.50	< 0.05	< 0.200	< 5.00	< 2.00	2.00	< 0.005	-
8-Dec-09	< 1.00	< 0.20	< 0.01	< 0.50	< 0.05	0.260	5.70	< 2.00	3.30	< 0.005	< 0.010
7-Jun-10	< 1.00	< 0.20	< 0.01	< 0.50	< 0.05	< 0.200	5.10	< 2.00	3.00	< 0.005	< 0.010
6-Dec-10	< 1.00	-	-	< 1.00	< 0.05	< 0.200	10.80	< 2.00	0.31	< 0.005	-
7-Jun-11	< 1.00	-	-	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	2.00	< 0.005	-
12-Dec-11	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	1.80	< 0.005	< 0.010
18-Jun-12	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.220	9.20	< 2.00	2.10	< 0.005	< 0.010
12-Dec-12	< 1.00	-	-	< 1.00	< 0.05	0.200	5.40	2.50	3.30	< 0.005	-
18-Jun-13	< 1.00	-	-	< 1.00	< 0.05	0.230	8.80	< 2.00	2.50	< 0.005	-
9-Dec-13	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.260	< 5.00	< 2.00	3.40	< 0.005	< 0.010
16-Jun-14	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	12.80	< 2.00	2.70	< 0.005	< 0.010
8-Dec-14	< 1.00	-	-	< 1.00	< 0.05	0.360	9.00	< 2.00	6.30	< 0.005	-
16-Jun-15	< 1.00	-	-	< 1.00	< 0.05	0.200	6.50	< 2.00	2.30	< 0.005	-
15-Dec-15	< 1.00	< 0.20	-	< 1.00	< 0.05	< 0.200	9.40	< 2.00	2.10	< 0.005	< 0.010
21-Jun-16	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.380	< 5.00	< 2.00	4.20	< 0.005	< 0.010
15-Dec-16	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.210	< 5.00	< 2.00	2.60	< 0.005	< 0.010
20-Jun-17	< 1.00	-	-	< 1.00	< 0.05	0.420	9.80	< 2.00	2.30	< 0.005	-
12-Dec-17	< 1.00	-	-	< 1.00	< 0.05	< 0.200	12.40	< 2.00	3.10	< 0.005	-
20-Jun-18	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	8.80	< 2.00	32.00	< 0.005	< 0.010
11-Dec-18	< 1.00	-	-	< 1.00	< 0.05	0.220	< 5.00	< 2.00	2.40	< 0.005	-
19-Jun-19	< 1.00	-	-	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	2.50	< 0.005	-
19-Dec-19	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.230	5.60	< 2.00	1.80	< 0.005	< 0.010
22-Jun-20	< 1.00	0.02	< 0.01	< 1.00	< 0.05	0.210	13.80	3.30	3.20	< 0.005	< 0.005
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-
24-Jun-21	< 1.00	-	-	< 1.00	< 0.05	0.230	< 5.00	< 2.00	3.50	< 0.005	-
20-Dec-21	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	1.80	< 0.005	< 0.005
22-Jun-22	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.540	6.60	< 2.00	2.60	< 0.005	< 0.005
12-Dec-22	< 1.00	-	-	< 1.00	< 0.05	0.490	10.10	4.90	15.60	< 0.005	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS

GROUNDWATER UPPER AQUIFER	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.30
TRIGGER VALUES	3.9	-	0.033	3.0	-	-	199.6	0.02	-	-	34.3
<i>Monitoring Well</i>											
PZ-3											
3-Jun-99	ND	ND	ND	0.102	ND	ND	118	ND	ND	ND	0.1
8-Dec-99	ND	ND	ND	0.117	ND	ND	131	ND	ND	ND	ND
4-Apr-00	ND	ND	ND	0.094	ND	ND	115	ND	ND	ND	ND
20-Jun-01	ND	ND	ND	0.103	ND	ND	113	ND	ND	ND	0.4
9-Jan-02	-	-	-	-	-	ND	127	-	-	-	0.5
6-Jun-02	-	-	-	-	-	ND	129	-	-	-	0.4
10-Dec-02	ND	ND	ND	0.123	ND	ND	132	ND	ND	ND	1.4
24-Jun-03	ND	ND	ND	0.124	ND	ND	136	ND	ND	ND	0.9
8-Dec-03	-	-	-	-	-	ND	137	-	-	-	1.2
23-Jun-04	-	-	-	0.122	-	-	131	-	-	-	0.5
7-Dec-04	-	-	-	-	-	< 0.005	155	-	-	-	1.3
21-Jun-05	-	-	-	-	-	< 0.005	147	-	-	-	0.7
5-Dec-05	< 0.200	< 0.060	0.013	0.142	< 0.005	< 0.005	143	< 0.010	< 0.010	< 0.010	1.2
20-Jun-06	< 0.100	< 0.060	< 0.010	0.138	< 0.005	< 0.005	140	< 0.010	< 0.050	< 0.020	0.8
6-Dec-06	-	-	-	-	-	< 0.005	146	-	-	-	1.0
27-Jun-07	-	-	-	-	-	< 0.005	170	-	-	-	1.5
11-Dec-07	< 0.100	< 0.060	< 0.010	0.142	< 0.005	< 0.005	146	< 0.010	< 0.050	< 0.020	2.2
17-Jun-08	< 0.100	< 0.060	< 0.010	0.173	< 0.005	< 0.005	155	< 0.010	< 0.050	< 0.020	2.4
8-Dec-08	-	-	-	-	-	< 0.005	168	-	-	-	7.2
8-Jun-09	-	-	-	-	-	< 0.005	151	-	-	-	1.6
8-Dec-09	< 0.100	< 0.060	0.012	0.108	< 0.005	< 0.005	169	< 0.010	< 0.050	< 0.020	5.8
7-Jun-10	< 0.100	< 0.060	< 0.010	0.109	< 0.005	< 0.005	161	< 0.010	< 0.050	< 0.020	2.4
6-Dec-10	-	-	-	-	-	< 0.005	155	-	-	-	2.6
7-Jun-11	-	-	-	-	-	< 0.005	139	-	-	-	1.1
12-Dec-11	< 0.100	< 0.060	< 0.010	0.112	< 0.005	< 0.005	146	< 0.010	< 0.050	< 0.020	0.8
18-Jun-12	< 0.100	< 0.060	< 0.010	0.113	< 0.005	< 0.005	149	< 0.010	< 0.050	< 0.020	0.4
12-Dec-12	-	-	-	-	-	< 0.005	168	-	-	-	3.4
18-Jun-13	-	-	-	-	-	< 0.005	162	-	-	-	2.6
9-Dec-13	< 0.100	< 0.060	< 0.010	0.131	< 0.005	< 0.005	159	< 0.010	< 0.050	< 0.020	9.8
16-Jun-14	< 0.100	< 0.060	< 0.010	0.128	< 0.003	< 0.005	168	< 0.010	< 0.050	< 0.020	3.3
8-Dec-14	-	-	-	-	-	< 0.005	219	-	-	-	8.2
16-Jun-15	-	-	-	-	-	< 0.005	166	-	-	-	2.4
15-Dec-15	< 0.100	< 0.060	< 0.010	0.070	< 0.003	< 0.005	159	< 0.010	< 0.050	< 0.020	2.6
21-Jun-16	< 0.100	< 0.060	< 0.010	0.078	< 0.003	< 0.005	182	< 0.010	< 0.050	< 0.020	2.2
15-Dec-16	< 0.100	< 0.060	< 0.010	0.075	< 0.003	< 0.005	133	< 0.010	< 0.050	< 0.020	0.4
20-Jun-17	-	-	-	-	-	< 0.005	170	-	-	-	1.6
12-Dec-17	-	-	-	-	-	< 0.005	174	-	-	-	1.0
20-Jun-18	0.138	< 0.060	< 0.010	0.092	< 0.003	< 0.005	177	< 0.010	< 0.050	0.025	1.7
11-Dec-18	-	-	-	-	-	< 0.005	165	-	-	-	1.9
19-Jun-19	-	-	-	-	-	< 0.005	168	-	-	-	1.2
19-Dec-19	0.153	< 0.060	< 0.010	0.063	< 0.003	< 0.005	163	< 0.010	< 0.050	0.032	2.0
22-Jun-20	0.075	< 0.060	< 0.010	0.103	< 0.003	< 0.005	184	< 0.010	< 0.050	< 0.020	1.3
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	< 0.005	180	-	-	-	2.5
20-Dec-21	< 0.100	< 0.060	< 0.010	0.060	< 0.003	< 0.005	156	< 0.010	< 0.050	< 0.020	0.9
22-Jun-22	< 0.100	< 0.060	< 0.010	0.084	< 0.003	< 0.005	159	< 0.010	< 0.050	< 0.020	1.8
12-Dec-22	-	-	-	-	-	< 0.005	183	-	-	-	0.6

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS

GROUNDWATER UPPER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	Tl	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	0.0005	0.014	2
TRIGGER VALUES	0.007	147	1.5	-	0.08	59	911.6	0.013	-	-	-	0.06
<i>Monitoring Well</i> PZ-3												
3-Jun-99	ND	38.1	0.157	ND	ND	2.38	10.3	ND	ND	ND	ND	ND
8-Dec-99	ND	47.0	0.252	ND	ND	3.26	12.4	ND	ND	ND	ND	ND
4-Apr-00	ND	41.1	0.154	ND	ND	2.07	9.3	ND	ND	ND	ND	ND
20-Jun-01	ND	39.9	0.235	ND	ND	2.08	8.1	ND	ND	ND	ND	ND
9-Jan-02	ND	43.8	0.188	-	-	2.09	9.7	-	-	-	-	-
6-Jun-02	ND	43.8	0.103	-	-	2.74	9.2	-	-	-	-	-
10-Dec-02	ND	48.7	0.298	ND	ND	2.60	10.4	ND	ND	ND	ND	ND
24-Jun-03	ND	45.5	0.172	ND	ND	ND	8.8	ND	ND	ND	ND	ND
8-Dec-03	ND	46.2	0.132	-	-	2.19	10.0	-	-	-	-	-
23-Jun-04	-	49.0	0.226	-	-	2.38	10.1	-	-	-	-	0.024
7-Dec-04	< 0.005	49.6	0.178	-	-	2.01	10.4	-	-	-	-	-
21-Jun-05	< 0.005	51.9	0.316	-	-	2.00	10.2	-	-	-	-	-
5-Dec-05	< 0.005	49.3	0.415	< 0.0003	< 0.040	1.94	12.4	< 0.005	< 0.010	< 0.006	< 0.010	< 0.020
20-Jun-06	< 0.005	50.1	0.426	< 0.0003	< 0.040	2.00	10.3	< 0.010	< 0.010	< 0.010	< 0.050	0.023
6-Dec-06	< 0.005	51.6	0.200	-	-	2.44	11.5	-	-	-	-	-
27-Jun-07	< 0.005	54.2	0.552	-	-	< 2.00	11.8	-	-	-	-	-
11-Dec-07	< 0.005	56.5	0.828	< 0.0003	< 0.040	2.56	11.8	< 0.010	< 0.010	< 0.010	< 0.050	0.024
17-Jun-08	< 0.005	56.9	0.941	< 0.0003	< 0.040	2.75	11.5	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Dec-08	< 0.005	72.3	1.040	-	-	< 2.00	16.2	-	-	-	-	-
8-Jun-09	< 0.005	57.3	0.616	-	-	< 2.00	11.1	-	-	-	-	-
8-Dec-09	< 0.005	76.0	0.766	< 0.0003	< 0.040	2.20	16.5	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
7-Jun-10	< 0.005	61.2	0.530	< 0.0003	< 0.040	< 2.00	12.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
6-Dec-10	< 0.005	66.6	3.830	-	-	2.30	16.8	-	-	-	-	-
7-Jun-11	< 0.005	56.2	0.324	-	-	< 2.00	11.6	-	-	-	-	-
12-Dec-11	< 0.005	52.3	0.319	< 0.0002	< 0.040	2.00	10.7	< 0.010	< 0.010	< 0.010	< 0.050	0.025
18-Jun-12	< 0.005	53.6	0.290	< 0.0002	< 0.040	2.80	11.7	< 0.010	< 0.010	< 0.010	< 0.050	0.032
12-Dec-12	< 0.005	64.9	1.010	-	-	3.00	13.4	-	-	-	-	-
18-Jun-13	< 0.005	59.9	0.698	-	-	2.30	11.8	-	-	-	-	-
9-Dec-13	< 0.005	92.1	0.988	< 0.0002	< 0.040	< 2.00	20.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
16-Jun-14	< 0.005	65.2	0.497	< 0.0002	< 0.040	< 2.00	12.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Dec-14	< 0.005	163.0	0.905	-	-	2.40	42.8	-	-	-	-	-
16-Jun-15	< 0.005	62.1	0.367	-	-	< 2.00	13.3	-	-	-	-	-
15-Dec-15	< 0.005	75.5	0.365	< 0.0002	< 0.040	2.00	17.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
21-Jun-16	< 0.005	79.6	0.385	< 0.0002	< 0.040	< 2.00	22.3	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
15-Dec-16	< 0.005	79.4	0.079	< 0.0002	< 0.040	< 2.00	17.5	< 0.010	< 0.010	< 0.010	< 0.050	0.033
20-Jun-17	< 0.005	68.5	0.442	-	-	2.10	14.8	-	-	-	-	-
12-Dec-17	< 0.005	72.2	0.146	-	-	< 2.00	16.6	-	-	-	-	-
20-Jun-18	< 0.005	62.3	0.148	< 0.0002	< 0.040	< 2.00	14.6	< 0.010	< 0.010	< 0.010	< 0.050	0.027
11-Dec-18	< 0.005	76.8	0.130	-	-	< 2.00	17.2	-	-	-	-	-
19-Jun-19	< 0.005	57.5	0.093	-	-	< 2.00	13.5	-	-	-	-	-
19-Dec-19	< 0.005	77.5	0.105	< 0.0002	< 0.040	< 2.00	17.2	< 0.010	< 0.010	< 0.010	< 0.050	0.044
22-Jun-20	< 0.005	65.7	0.085	< 0.0002	< 0.040	1.28	15.6	< 0.010	< 0.010	0.007	< 0.050	< 0.020
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	< 0.005	94.4	0.240	-	-	< 2.00	19.7	-	-	-	-	-
20-Dec-21	< 0.005	58.5	0.046	< 0.0002	< 0.040	< 2.00	14.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
22-Jun-22	< 0.005	55.9	0.062	< 0.0002	< 0.040	3.06	13.6	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
12-Dec-22	< 0.005	178.0	0.025	-	-	< 2.00	44.3	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> PZ-3											
3-Jun-99	-	-	-	-	-	-	-	-	-	-	-
8-Dec-99	-	-	-	-	-	-	-	-	-	-	-
4-Apr-00	-	-	-	-	-	-	-	-	-	-	-
20-Jun-01	-	-	-	-	-	-	-	-	-	-	-
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-
6-Jun-02	-	-	-	-	-	-	-	-	-	-	-
10-Dec-02	-	-	-	-	-	-	-	-	-	-	-
24-Jun-03	-	-	-	-	-	-	-	-	-	-	-
8-Dec-03	-	-	-	-	-	-	-	-	-	-	-
23-Jun-04	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-
5-Dec-05	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-
6-Dec-06	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-
17-Jun-08	-	-	-	-	-	-	-	-	-	-	-
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-
8-Jun-09	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-
7-Jun-10	-	-	-	-	-	-	-	-	-	-	-
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	-	-	-	-	-	-	-	-	-	-	-
18-Jun-12	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-
9-Dec-13	-	-	-	-	-	-	-	-	-	-	-
16-Jun-14	-	-	-	-	-	-	-	-	-	-	-
8-Dec-14	-	-	-	-	-	-	-	-	-	-	-
16-Jun-15	-	-	-	-	-	-	-	-	-	-	-
15-Dec-15	-	-	-	-	-	-	-	-	-	-	-
21-Jun-16	-	-	-	-	-	-	-	-	-	-	-
15-Dec-16	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-
22-Jun-20	-	-	-	-	-	-	-	-	-	-	-
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	-	-	-	-	-	-	-	-	-	-	-
22-Jun-22	-	-	-	-	-	-	-	-	-	-	-
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	TI	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	NS	20	0.01	0.05	-	0.014	2
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> PZ-3												
3-Jun-99	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
4-Apr-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-01	-	-	-	-	-	-	-	-	-	-	-	-
9-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
6-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-02	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-03	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-10	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-12	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-13	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-14	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-14	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-15	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-15	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-16	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											
	Acetone (ug/l)	Benzene (ug/l)	Bromo- dichloro- methane (ug/l)	Bromo- form (ug/l)	Bromo- methane (ug/l)	2-Butanone (MEK) (ug/l)	Carbon Disulfide (ug/l)	Carbon- Tetra- chloride (ug/l)	Chloro- benzene (ug/l)	Chloro- ethane (ug/l)	Chloro- form (ug/l)	Chloro- methane (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	1	50	50	5	50	60	5	5	5	7	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well PZ-3</i>												
3-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20-Jun-01	-	-	-	-	-	-	-	-	-	-	-	-
9-Jan-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6-Jun-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10-Dec-02	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-03	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7-Dec-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
11-Dec-07	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
17-Jun-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
7-Jun-10	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
18-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
16-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
16-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
15-Dec-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
21-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
15-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)												
	Dibromo- chloro- methane (ug/l)	Dichloro- difluoro- methane (ug/l)	1,1- Dichloro- ethane (ug/l)	1,2- Dichloro- ethane (ug/l)	1,1- Dichloro- ethene (ug/l)	Cis-1,2- Dichloro- ethene (ug/l)	Trans-1,2- Dichloro- ethene (ug/l)	1,2- Dichloro- propane (ug/l)	Cis-1,3- Dichloro- propene (ug/l)	Trans-1,3- Dichloro- propene (ug/l)	Ethyl- benzene (ug/l)	2- Hexanone (ug/l)	Methylene- Chloride (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	5	5	0.6	5	5	5	1	0.4	0.4	5	50	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well PZ-3</i>													
3-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20-Jun-01	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Jan-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6-Jun-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10-Dec-02	-	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-03	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7-Dec-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
11-Dec-07	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
17-Jun-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
7-Jun-10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
18-Jun-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
16-Jun-14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-14	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
16-Jun-15	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
15-Dec-15	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
21-Jun-16	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
15-Dec-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-20	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
7-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-22	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											SUM OF ORGANIC COMPOUNDS (DETECTED)
	4-Methyl- 2- Pentanone (ug/l)	Styrene (ug/l)	1,1,2,2- Tetrachloro- ethane (ug/l)	Tetra- chloro- ethene (ug/l)	Toluene (ug/l)	1,1,1- Trichloro- ethane (ug/l)	1,1,2- Trichloro- ethane (ug/l)	Trichloro- ethene (ug/l)	Vinyl Chloride (ug/l)	O- Xylene (ug/l)	M & P- Xylene (ug/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
<i>Monitoring Well PZ-3</i>												
3-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
8-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
4-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
20-Jun-01	-	-	-	-	-	-	-	-	-	-	-	-
9-Jan-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
6-Jun-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
10-Dec-02	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-03	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
7-Dec-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-05	-	-	-	-	-	-	-	-	-	-	-	0
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
11-Dec-07	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
17-Jun-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
7-Jun-10	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
6-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
18-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
16-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
16-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
15-Dec-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
21-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
15-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP. (deg. F)	Eh (mV)	DISS OX (mg/L)	pH (Std units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Pt/Cl)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	6.5 -- 8.5	-	-	-	-	-	500	250	250
TRIGGER VALUES	64	389	176	10.4	5152	136	-	1501	1000	2782.9	1161.5	142
<i>Monitoring Well PW-1</i>												
2-Jun-99	64.13	-124.0	36.76	6.50	3841	16.0	50	1560	2500	4230	318.00	ND
19-Sep-99	54.71	-93.0	-39.40	6.93	3542	75.1	-	1690	2080	3120	274.00	ND
12-Oct-99	58.36	-104.5	31.64	6.92	3267	50.5	-	-	-	-	-	-
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
3-Apr-00	54.30	80.9	1.09	7.23	1590	17.0	30	1080	1320	1480	-	9.9
12-Jun-00	58.10	-22.4	4.20	6.69	3114	20.9	-	1500	1870	2650	371.00	ND
16-Sep-00	57.11	-108.0	39.71	6.51	2811	10.1	20	1440	1530	1940	335.00	2.5
11-Dec-00	48.27	-79.9	96.20	7.09	1859	29.0	-	-	1500	1740	317.00	2.6
20-Mar-01	50.72	-88.2	-43.96	7.34	2404	16.0	-	-	-	-	-	-
19-Jun-01	56.20	-196.0	3.50	6.99	1527	17.8	75	824	928	1090	135.00	22.3
4-Dec-01	47.50	-257.4	1.09	5.58	1775	19.8	-	958	997	1180	180.00	4.0
04-Jun-02	53.20	-3.0	1.21	6.52	1240	26.0	-	530	659	733	16.70	114.0
9-Dec-02	6.32	-262.0	1.45	6.52	1250	61.2	60	605	692	757	25.30	63.4
13-Mar-03	9.56	-94.4	0.67	6.50	631	-	20	604	-	758	32.60	61.8
23-Jun-03	56.68	-137.0	-0.13	6.16	1367	9.5	40	626	679	710	40.50	23.4
10-Dec-03	52.00	-	0.12	7.01	887	-1.6	30	705	670	775	49.50	19.6
22-Jun-04	59.18	-205.0	0.35	6.88	1035	9.8	< 75	555	570	647	22.20	35.2
7-Dec-04	50.54	-237.0	-	6.59	1220	2.4	-	605	620	721	39.30	46.4
23-Jun-05	53.42	-56.0	1.68	6.79	1385	11.1	-	780	790	1030	144.00	3.2
6-Dec-05	46.76	-173.0	0.53	6.83	1300	4.6	50	655	651	713	28.10	5.4
20-Jun-06	56.12	-206.0	0.15	5.98	1375	2.9	15	0	644	726	60.60	12.4
5-Dec-06	47.84	-120.0	0.31	6.48	1185	2.4	-	620	598	647	44.20	45.9
27-Jun-07	56.30	-107.0	0.25	6.85	1505	12.2	-	700	740	954	94.90	2.3
11-Dec-07	49.28	-151.0	0.39	7.03	1360	4.9	150	638	688	758	33.60	59.2
18-Jun-08	53.06	-98.0	0.31	6.80	1060	9.4	30	571	580	617	94.90	2.3
9-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	56.48	-95.0	0.24	6.44	1010	4.8	-	520	520	565	34.40	2.6
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-10	52.34	-39.0	0.57	6.61	1110	9.0	100	584	616	641	32.90	< 0.5
9-Dec-10	46.40	-120.0	0.69	6.52	1002	5.9	-	500	584	587	20.40	29.5
9-Jun-11	55.94	-155.0	0.60	6.42	926	9.5	-	500	482	567	28.20	< 2.0
14-Dec-11	51.26	-134.0	0.68	6.61	1430	7.3	260	640	640	807	89.20	17.8
19-Jun-12	55.76	-89.0	0.80	6.68	2280	10.4	114	792	829	1060	187.00	< 2.0
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	55.40	-81.0	0.78	6.56	1665	5.7	-	791	751	940	131.00	2.1
11-Dec-13	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-14	57.92	-99.0	1.54	6.50	1112	22.8	165	464	540	641	58.10	35.7
9-Dec-14	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	53.42	-172.0	0.40	6.67	1102	5.8	-	594	613	497	44.90	9.3
16-Dec-15	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-16	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	54.68	45.0	0.69	6.60	1173	4.6	17	573	599	692	54.20	9.6
11-Dec-18	51.08	-112.0	0.67	6.76	1387	4.5	-	478	530	636	53.50	10.7
18-Jun-19	54.86	110.0	0.48	6.65	960	6.3	-	407	501	558	55.70	16.8
18-Dec-19	49.46	90.0	2.80	6.68	885	2.1	15	418	458	523	19.10	12.0
23-Jun-20	57.56	63.0	0.94	6.67	1257	1.6	10	621	622	755	62.40	6.8
8-Dec-20	48.74	-16.0	1.52	6.87	1286	2.0	-	569	607	737	84.60	5.2
25-Jun-21	56.30	58.0	0.61	6.73	1035	4.5	-	685	624	724	39.70	7.1
21-Dec-21	46.22	70.0	5.77	6.60	887	0.0	15	416	437	490	45.20	13.8
23-Jun-22	54.50	56.0	0.47	6.64	702	0.4	5	693	647	839	106.00	2.5
13-Dec-22	50.54	-23.0	1.77	6.93	1410	3.6	-	651	630	779	89.30	5.3

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	INORGANIC PARAMETERS										
	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	2	1	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	2.3	0.9	0.01	2.8	66	71	127.71	37.9792	39.6	0.0053	-
<i>Monitoring Well</i> PW-1											
2-Jun-99	2.39	0.31	ND	0.62	0.28	3.590	4600.0	2250.00	1440.0	0.725	ND
19-Sep-99	1.87	-	-	ND	ND	3.170	2450.0	1590.00	806.0	0.631	-
12-Oct-99	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-
3-Apr-00	1.61	ND	ND	ND	ND	2.740	246.0	-	75.0	0.262	ND
12-Jun-00	2.89	-	-	ND	ND	2.520	1440.0	918.00	422.0	0.452	-
16-Sep-00	2.87	ND	ND	ND	ND	7.320	389.0	129.00	169.0	0.216	ND
11-Dec-00	2.21	-	-	ND	0.07	4.140	219.0	-	71.3	0.146	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	ND	ND	ND	ND	0.37	2.860	74.4	7.62	20.7	0.018	ND
4-Dec-01	1.55	-	-	ND	0.36	2.360	66.1	53.60	18.2	0.013	-
04-Jun-02	ND	-	-	ND	0.06	1.590	48.3	13.70	15.9	ND	-
9-Dec-02	ND	ND	0.02	ND	0.27	2.420	86.5	23.20	30.5	0.005	ND
13-Mar-03	ND	ND	ND	ND	0.48	1.590	30.7	-	9.0	ND	ND
23-Jun-03	ND	ND	ND	ND	3.16	5.050	57.6	16.40	17.2	0.011	ND
10-Dec-03	ND	ND	ND	ND	3.63	7.040	88.1	29.00	23.0	0.019	ND
22-Jun-04	-	-	-	-	1.28	4.060	44.6	16.50	10.1	-	-
7-Dec-04	< 1.00	-	-	< 0.50	0.60	2.180	35.5	14.30	11.4	< 0.005	-
23-Jun-05	1.06	-	-	< 0.50	4.99	6.510	68.2	18.40	20.2	< 0.005	-
6-Dec-05	< 1.00	< 0.10	< 0.01	< 0.50	5.80	8.150	76.3	43.20	21.8	0.068	< 0.010
20-Jun-06	1.19	< 0.20	< 0.01	< 0.50	7.34	8.260	37.0	0.00	11.2	< 0.005	< 0.010
5-Dec-06	< 1.00	-	-	< 0.50	0.61	2.780	34.5	10.00	9.3	0.005	-
27-Jun-07	< 1.00	-	-	< 0.50	5.61	5.870	53.7	12.90	184.0	0.006	-
11-Dec-07	< 1.00	< 0.20	0.02	< 0.50	2.71	6.810	92.9	13.40	22.8	< 0.005	< 0.010
18-Jun-08	< 1.00	< 0.20	< 0.01	< 0.50	1.64	5.080	40.0	6.84	13.8	< 0.005	< 0.010
9-Dec-08	DRY	-	-	-	-	-	-	-	-	-	-
9-Jun-09	< 1.00	-	-	< 0.50	2.43	3.960	30.7	14.00	12.8	0.006	-
8-Dec-09	DRY	-	-	-	-	-	-	-	-	-	-
9-Jun-10	< 1.00	< 0.20	< 0.01	< 0.50	3.09	5.510	79.6	31.30	24.0	0.008	< 0.010
9-Dec-10	< 1.00	-	-	< 1.00	0.35	2.550	66.4	10.20	16.2	< 0.005	-
9-Jun-11	< 1.00	-	-	< 1.00	0.64	2.900	77.6	28.50	20.2	0.006	-
14-Dec-11	< 1.00	< 0.20	< 0.01	< 1.00	3.58	9.060	168.0	37.20	43.8	< 0.005	< 0.010
19-Jun-12	1.40	< 0.20	< 0.01	< 1.00	4.95	8.120	86.8	13.70	25.7	0.009	< 0.010
11-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-
18-Jun-13	< 1.00	-	-	< 1.00	1.40	5.060	117.0	6.10	27.0	0.006	-
11-Dec-13	DRY	-	-	-	-	-	-	-	-	-	-
17-Jun-14	< 1.00	< 0.20	< 0.01	< 1.00	0.84	8.230	101.0	12.00	20.2	< 0.005	< 0.010
9-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-
17-Jun-15	< 1.00	-	-	< 1.00	0.82	1.810	40.3	8.10	13.5	0.007	-
16-Dec-15	DRY	-	-	-	-	-	-	-	-	-	-
22-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-
13-Dec-16	Pump Not Working	-	-	-	-	-	-	-	-	-	-
20-Jun-17	Pump Not Working	-	-	-	-	-	-	-	-	-	-
13-Dec-17	Pump Not Working	-	-	-	-	-	-	-	-	-	-
21-Jun-18	< 1.00	< 0.20	< 0.01	< 1.00	1.10	2.090	21.6	4.60	23.2	0.006	< 0.010
11-Dec-18	< 1.00	-	-	< 1.00	0.47	1.111	12.1	2.90	4.6	< 0.005	-
18-Jun-19	< 1.00	-	-	< 1.00	< 0.05	0.540	8.5	< 2.00	4.5	< 0.005	-
18-Dec-19	< 1.00	< 0.20	< 0.01	2.80	0.08	0.500	11.5	< 2.00	3.6	< 0.005	< 0.005
23-Jun-20	< 1.00	0.11	< 0.01	< 1.00	2.50	2.390	15.0	2.10	7.5	< 0.005	< 0.005
8-Dec-20	< 1.00	-	-	2.39	1.32	2.000	21.7	2.70	7.6	< 0.005	-
25-Jun-21	< 1.00	-	-	< 1.00	0.14	0.680	6.9	< 2.00	5.6	< 0.005	-
21-Dec-21	< 1.00	< 0.20	< 0.01	1.50	< 0.05	0.310	< 5.0	< 2.00	2.5	< 0.005	< 0.005
23-Jun-22	< 1.00	< 0.20	< 0.01	< 1.00	4.79	5.380	21.4	< 2.00	8.8	< 0.005	< 0.005
13-Dec-22	< 1.00	-	-	< 1.00	1.45	2.060	27.7	2.30	8.7	< 0.005	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	TOTAL METALS										
	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.30
TRIGGER VALUES	3.9	-	0.033	3.0	-	-	199.6	0.02	-	-	34.3
<i>Monitoring Well</i> PW-1											
2-Jun-99	ND	ND	0.011	2.240	ND	ND	606.0	ND	ND	ND	37.8
19-Sep-99	-	-	-	-	-	ND	433.0	-	-	-	23.9
12-Oct-99	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-
3-Apr-00	ND	ND	ND	0.885	ND	ND	240.0	ND	ND	ND	5.4
12-Jun-00	-	-	-	-	-	ND	380.0	-	-	-	23.8
16-Sep-00	0.101	ND	ND	1.100	ND	ND	307.0	0.012	ND	ND	19.9
11-Dec-00	-	-	-	-	-	ND	316.0	-	-	-	17.0
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	0.109	ND	ND	0.658	ND	ND	212.0	ND	ND	ND	7.8
4-Dec-01	-	-	-	-	-	ND	203.0	-	-	-	8.1
04-Jun-02	-	-	-	-	-	ND	176.0	-	-	-	1.1
9-Dec-02	0.148	ND	ND	0.149	ND	ND	193.0	ND	ND	ND	7.4
13-Mar-03	ND	ND	ND	0.265	ND	ND	196.0	ND	ND	ND	1.7
23-Jun-03	ND	ND	ND	0.169	ND	ND	183.0	ND	ND	ND	2.9
10-Dec-03	ND	ND	ND	0.317	ND	ND	199.0	ND	ND	ND	4.0
22-Jun-04	-	-	-	0.073	-	-	164.0	-	-	-	5.4
7-Dec-04	-	-	-	-	-	< 0.005	198.0	-	-	-	1.2
23-Jun-05	-	-	-	-	-	< 0.005	220.0	-	-	-	4.9
6-Dec-05	< 0.200	< 0.060	0.017	0.088	< 0.005	< 0.005	181.0	< 0.010	< 0.010	< 0.010	2.0
20-Jun-06	< 0.100	< 0.060	< 0.010	0.153	< 0.005	< 0.005	184.0	< 0.010	< 0.050	< 0.020	2.3
5-Dec-06	-	-	-	-	-	< 0.005	173.0	-	-	-	2.0
27-Jun-07	-	-	-	-	-	< 0.005	202.0	-	-	-	5.9
11-Dec-07	0.146	< 0.060	< 0.010	0.149	< 0.005	< 0.005	200.0	< 0.010	< 0.050	< 0.020	14.4
18-Jun-08	< 0.100	< 0.060	< 0.010	0.061	< 0.005	< 0.005	160.0	< 0.010	< 0.050	< 0.020	11.6
9-Dec-08	DRY	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	< 0.005	150.0	-	-	-	4.9
8-Dec-09	DRY	-	-	-	-	-	-	-	-	-	-
9-Jun-10	< 0.100	< 0.060	< 0.010	0.122	< 0.005	< 0.005	170.0	< 0.010	< 0.050	< 0.020	11.5
9-Dec-10	-	-	-	-	-	< 0.005	155.0	-	-	-	4.6
9-Jun-11	-	-	-	-	-	< 0.005	136.0	-	-	-	7.5
14-Dec-11	0.390	< 0.060	< 0.010	0.143	< 0.005	< 0.005	191.0	< 0.010	< 0.050	0.021	8.5
19-Jun-12	< 0.100	< 0.060	< 0.010	0.217	< 0.005	< 0.005	206.0	< 0.010	< 0.050	< 0.020	11.5
11-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	< 0.005	208.0	-	-	-	16.0
11-Dec-13	DRY	-	-	-	-	-	-	-	-	-	-
17-Jun-14	0.370	< 0.060	< 0.010	0.072	< 0.003	< 0.005	154.0	< 0.010	< 0.050	0.141	3.4
9-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	< 0.005	171.0	-	-	-	5.8
16-Dec-15	DRY	-	-	-	-	-	-	-	-	-	-
22-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-
13-Dec-16	Pump Not Working	-	-	-	-	-	-	-	-	-	-
20-Jun-17	Pump Not Working	-	-	-	-	-	-	-	-	-	-
13-Dec-17	Pump Not Working	-	-	-	-	-	-	-	-	-	-
21-Jun-18	0.240	< 0.060	< 0.010	0.074	< 0.003	< 0.005	160.0	< 0.010	< 0.050	0.026	1.0
11-Dec-18	-	-	-	-	-	< 0.005	146.0	-	-	-	2.1
18-Jun-19	-	-	-	-	-	< 0.005	140.0	-	-	-	0.8
18-Dec-19	< 0.100	< 0.060	< 0.010	0.083	< 0.003	< 0.005	125.0	< 0.010	< 0.050	< 0.020	0.2
23-Jun-20	< 0.100	< 0.060	< 0.010	0.064	< 0.003	< 0.005	160.0	< 0.010	0.001	< 0.020	0.1
8-Dec-20	-	-	-	-	-	< 0.005	155.0	-	-	-	2.4
25-Jun-21	-	-	-	-	-	< 0.005	163.0	-	-	-	0.7
21-Dec-21	< 0.100	< 0.060	< 0.010	0.028	< 0.003	< 0.005	124.0	< 0.010	< 0.050	< 0.020	< 0.1
23-Jun-22	< 0.100	< 0.060	< 0.010	0.080	< 0.003	< 0.005	163.0	< 0.010	< 0.050	< 0.020	0.2
13-Dec-22	-	-	-	-	-	< 0.005	159.0	-	-	-	2.8

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS

GROUNDWATER UPPER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	TI	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	0.0005	0.014	2
TRIGGER VALUES	0.007	147	1.5	-	0.08	59	911.6	0.013	-	-	-	0.06
<i>Monitoring Well</i> PW-1												
2-Jun-99	ND	211.0	0.977	ND	ND	7.82	180.0	ND	ND	ND	ND	ND
19-Sep-99	ND	192.0	0.672	-	-	5.80	136.0	-	-	-	-	-
12-Oct-99	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
3-Apr-00	ND	124.0	0.474	ND	ND	4.61	93.9	0.008	ND	ND	ND	0.085
12-Jun-00	ND	192.0	1.450	-	-	5.50	137.0	-	-	-	-	-
16-Sep-00	ND	168.0	0.670	ND	ND	4.87	132.0	ND	ND	ND	ND	ND
11-Dec-00	ND	167.0	0.361	-	-	4.35	122.0	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	ND	85.8	4.670	ND	ND	3.92	52.3	ND	ND	ND	ND	ND
4-Dec-01	ND	104.0	0.620	-	-	3.73	72.1	-	-	-	-	-
04-Jun-02	ND	40.2	10.600	-	-	2.90	9.8	-	-	-	-	-
9-Dec-02	ND	46.1	11.500	ND	ND	3.48	13.2	ND	ND	ND	ND	0.032
13-Mar-03	ND	48.0	8.620	ND	ND	3.52	16.3	ND	ND	0.010	ND	0.049
23-Jun-03	ND	41.0	4.380	ND	ND	3.25	13.2	ND	ND	ND	ND	ND
10-Dec-03	ND	49.6	2.660	ND	ND	4.95	23.1	ND	ND	ND	ND	ND
22-Jun-04	-	36.0	8.540	-	-	2.91	15.3	-	-	-	-	0.032
7-Dec-04	< 0.005	41.4	1.160	-	-	3.20	19.3	-	-	-	-	-
23-Jun-05	< 0.005	58.0	5.690	-	-	3.32	76.2	-	-	-	-	-
6-Dec-05	< 0.005	38.7	2.360	< 0.0003	< 0.04	3.40	19.3	< 0.005	< 0.010	< 0.006	< 0.010	0.045
20-Jun-06	< 0.005	44.7	0.780	< 0.0003	< 0.04	3.40	28.9	< 0.010	< 0.010	< 0.010	< 0.050	0.025
5-Dec-06	< 0.005	37.9	1.970	-	-	2.44	14.8	-	-	-	-	-
27-Jun-07	< 0.005	56.4	1.290	-	-	3.11	89.2	-	-	-	-	-
11-Dec-07	< 0.005	46.9	0.546	< 0.0003	< 0.04	3.01	31.6	< 0.010	< 0.010	< 0.010	< 0.050	0.163
18-Jun-08	< 0.005	33.9	3.970	< 0.0003	< 0.04	2.22	23.2	< 0.010	< 0.010	< 0.010	< 0.050	0.030
9-Dec-08	DRY	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	< 0.005	32.4	1.450	-	-	2.10	17.8	-	-	-	-	-
8-Dec-09	DRY	-	-	-	-	-	-	-	-	-	-	-
9-Jun-10	< 0.005	35.9	1.370	< 0.0003	< 0.04	2.30	17.7	< 0.010	< 0.010	< 0.010	< 0.050	0.046
9-Dec-10	< 0.005	34.7	0.458	-	-	2.50	16.0	-	-	-	-	-
9-Jun-11	< 0.005	33.6	6.670	-	-	2.40	17.5	-	-	-	-	-
14-Dec-11	< 0.005	46.4	1.520	< 0.0002	< 0.04	3.10	50.7	< 0.010	< 0.010	< 0.010	< 0.050	0.065
19-Jun-12	< 0.005	62.5	1.680	< 0.0002	< 0.04	3.70	103.0	< 0.010	< 0.010	< 0.010	< 0.050	0.035
11-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	< 0.005	58.0	3.070	-	-	3.40	89.1	-	-	-	-	-
11-Dec-13	DRY	-	-	-	-	-	-	-	-	-	-	-
17-Jun-14	< 0.005	35.4	1.820	0.0003	< 0.04	2.70	27.5	< 0.010	< 0.010	< 0.010	< 0.050	0.035
9-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	< 0.005	37.3	2.000	-	-	2.40	26.7	-	-	-	-	-
16-Dec-15	DRY	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-	-
13-Dec-16	Pump Not Working	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	Pump Not Working	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	Pump Not Working	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	< 0.005	48.3	2.650	< 0.0002	< 0.04	3.75	43.1	< 0.010	< 0.010	< 0.010	< 0.050	0.042
11-Dec-18	< 0.005	10.1	0.699	-	-	2.60	33.2	-	-	-	-	-
18-Jun-19	< 0.005	36.8	4.380	-	-	2.20	29.8	-	-	-	-	-
18-Dec-19	< 0.005	35.6	0.258	< 0.0002	< 0.04	2.07	21.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
23-Jun-20	< 0.005	53.9	2.730	< 0.0002	< 0.04	4.96	53.3	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Dec-20	< 0.005	53.6	1.020	-	-	3.50	56.5	-	-	-	-	-
25-Jun-21	< 0.005	52.8	2.940	-	-	4.50	41.2	-	-	-	-	-
21-Dec-21	< 0.005	31.2	0.139	< 0.0002	< 0.04	< 2.00	23.9	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
23-Jun-22	< 0.005	58.1	3.350	< 0.0002	< 0.04	6.82	59.7	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
13-Dec-22	< 0.005	56.6	1.840	-	-	4.30	56.7	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> PW-1											
2-Jun-99	-	-	-	-	-	-	-	-	-	-	-
19-Sep-99	-	-	-	-	-	-	-	-	-	-	-
12-Oct-99	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-
3-Apr-00	-	-	-	-	-	-	-	-	-	-	-
12-Jun-00	-	-	-	-	-	-	-	-	-	-	-
16-Sep-00	-	-	-	-	-	-	-	-	-	-	-
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	-	-	-	-	-	-	-	-	-	-	-
4-Dec-01	-	-	-	-	-	-	-	-	-	-	-
04-Jun-02	-	-	-	-	-	-	-	-	-	-	-
9-Dec-02	-	-	-	-	-	-	-	-	-	-	-
13-Mar-03	-	-	-	-	-	-	-	-	-	-	-
23-Jun-03	-	-	-	-	-	-	-	-	-	-	-
10-Dec-03	-	-	-	-	-	-	-	-	-	-	-
22-Jun-04	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-
18-Jun-08	-	-	-	-	-	-	-	-	-	-	-
9-Dec-08	DRY	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	DRY	-	-	-	-	-	-	-	-	-	-
9-Jun-10	-	-	-	-	-	-	-	-	-	-	-
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	-	-	-	-	-	-	-	-	-	-	-
19-Jun-12	-	-	-	-	-	-	-	-	-	-	-
11-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	DRY	-	-	-	-	-	-	-	-	-	-
17-Jun-14	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	DRY	-	-	-	-	-	-	-	-	-	-
22-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-
13-Dec-16	Pump Not Working	-	-	-	-	-	-	-	-	-	-
20-Jun-17	Pump Not Working	-	-	-	-	-	-	-	-	-	-
13-Dec-17	Pump Not Working	-	-	-	-	-	-	-	-	-	-
21-Jun-18	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	Tl	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	-	0.014	2
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> PW-1												
2-Jun-99	-	-	-	-	-	-	-	-	-	-	-	-
19-Sep-99	-	-	-	-	-	-	-	-	-	-	-	-
12-Oct-99	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
3-Apr-00	-	-	-	-	-	-	-	-	-	-	-	-
12-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-
16-Sep-00	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	-	-	-	-	-	-	-	-	-	-	-	-
4-Dec-01	-	-	-	-	-	-	-	-	-	-	-	-
04-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-02	-	-	-	-	-	-	-	-	-	-	-	-
13-Mar-03	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-03	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-08	DRY	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	DRY	-	-	-	-	-	-	-	-	-	-	-
9-Jun-10	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-12	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	DRY	-	-	-	-	-	-	-	-	-	-	-
17-Jun-14	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	DRY	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-	-
13-Dec-16	Pump Not Working	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	Pump Not Working	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	Pump Not Working	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											
	Acetone ug/l	Benzene ug/l	Bromo- dichloro- methane ug/l	Bromo- form ug/l	Bromo- methane ug/l	2-Butanone (MEK) ug/l	Carbon Disulfide ug/l	Carbon- Tetra- chloride ug/l	Chloro- benzene ug/l	Chloro- ethane ug/l	Chloro- form ug/l	Chloro- methane ug/l
6NYCRR Part 703 GROUNDWATER STANDARD	50	1	50	50	5	50	60	5	5	5	7	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well PW-1</i>												
2-Jun-99	2800.0	ND	ND	ND	ND	5100.0	ND	ND	ND	ND	ND	ND
19-Sep-99	-	-	-	-	-	-	-	-	-	-	-	-
12-Oct-99	3200.0	ND	ND	ND	ND	4700.0	ND	ND	ND	ND	ND	ND
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
3-Apr-00	560.0	ND	ND	ND	ND	780.0	ND	ND	ND	ND	ND	ND
12-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-
16-Sep-00	280.0	ND	ND	ND	ND	930.0	ND	ND	ND	ND	ND	ND
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	52.0	ND	ND	ND	ND	32.0	ND	ND	ND	ND	ND	ND
4-Dec-01	-	-	-	-	-	-	-	-	-	-	-	-
04-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-02	31.0	ND	ND	ND	ND	59.0	ND	ND	ND	ND	ND	ND
13-Mar-03	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10-Dec-03	25.0	ND	ND	ND	ND	41.0	ND	ND	ND	ND	ND	ND
22-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	21.0	< 5.0	< 5.0	< 5.0	< 5.0	35.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-06	20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	120.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
18-Jun-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Dec-08	DRY	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	DRY	-	-	-	-	-	-	-	-	-	-	-
9-Jun-10	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	26.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	12.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
19-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
11-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	DRY	-	-	-	-	-	-	-	-	-	-	-
17-Jun-14	24.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	11.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
16-Dec-15	DRY	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-	-
13-Dec-16	Pump Not Working	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	Pump Not Working	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	Pump Not Working	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	Dibromo- chloro- methane	Dichloro- difluoro- methane	1,1- Dichloro- ethane	1,2- Dichloro- ethane	1,1- Dichloro- ethene	Cis-1,2- Dichloro- ethene	Trans-1,2- Dichloro- ethene	1,2- Dichloro- propane	Cis-1,3- Dichloro- propene	Trans-1,3- Dichloro- propene	Ethyl- benzene	2- Hexanone	Methylene- Chloride
	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
6NYCRR Part 703 GROUNDWATER STANDARD	50	5	5	0.6	5	5	5	1	0.4	0.4	5	50	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well PW-1</i>													
2-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19-Sep-99	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Oct-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-	-
16-Sep-00	ND	ND	12.0	ND	ND	ND	ND	ND	ND	ND	ND	99.0	ND
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	ND	ND	6.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Dec-01	-	-	-	-	-	-	-	-	-	-	-	-	-
04-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-02	ND	ND	7.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13-Mar-03	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10-Dec-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-06	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
18-Jun-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Dec-08	DRY	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	DRY	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
19-Jun-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
11-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	DRY	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
16-Dec-15	DRY	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-16	Pump Not Working -	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	Pump Not Working -	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	Pump Not Working -	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-20	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-22	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											SUM OF ORGANIC COMPOUNDS (DETECTED)
	4-Methyl-2-Pentanone ug/l	Styrene ug/l	1,1,2,2-Tetrachloroethane ug/l	Tetra-chloro-ethene ug/l	Toluene ug/l	1,1,1-Trichloro-ethane ug/l	1,1,2-Trichloro-ethane ug/l	Trichloro-ethene ug/l	Vinyl Chloride ug/l	O-Xylene ug/l	M & P-Xylene ug/l	
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
<i>Monitoring Well</i> PW-1												
2-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7900.0
19-Sep-99	-	-	-	-	-	-	-	-	-	-	-	-
12-Oct-99	ND	ND	ND	ND	220.0	ND	ND	ND	ND	ND	ND	8120.0
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
3-Apr-00	68.0	ND	ND	ND	170.0	ND	ND	ND	ND	ND	ND	1578.0
12-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-
16-Sep-00	120.0	ND	ND	ND	670.0	ND	ND	ND	ND	ND	ND	2111.0
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	ND	ND	ND	ND	66.0	ND	ND	ND	ND	ND	ND	156.2
4-Dec-01	-	-	-	-	-	-	-	-	-	-	-	-
04-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	97.5
13-Mar-03	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
10-Dec-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	66.0
22-Jun-04	-	-	-	-	-	-	-	-	-	-	-	0
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	56
20-Jun-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	20
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	120
18-Jun-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Dec-08	DRY	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	DRY	-	-	-	-	-	-	-	-	-	-	-
9-Jun-10	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	12
19-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
11-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	DRY	-	-	-	-	-	-	-	-	-	-	-
17-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	24
9-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	11
16-Dec-15	DRY	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-	-
13-Dec-16	Pump Not Working	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	Pump Not Working	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	Pump Not Working	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
23-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP. (deg. F)	Eh (mV)	DISS OX (mg/L)	pH (Std units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Pt/Cl)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	6.5 -- 8.5	-	-	-	-	-	500	250	250
TRIGGER VALUES	64	389	176	10.4	5152	136	-	1501	1000	2783	1161.5	142
<i>Monitoring Well PW-5</i>												
2-Jun-99	53.73	-171.3	25.49	6.53	1924	14.3	60	715	1020	1190	294.00	20.2
19-Sep-99	52.30	-101.8	-1.67	6.77	1836	57.0	-	705	984	1120	253.00	23.3
7-Dec-99	51.39	-91.6	39.83	6.88	1855	2.0	35	713	995	1120	272.00	23.5
5-Apr-00	50.10	-72.4	10.14	7.03	1410	-	150	670	710	855	60.70	76.5
13-Jun-00	58.07	-133.0	2.70	6.07	1467	2.7	-	825	890	966	58.50	82.1
19-Sep-00	54.12	-66.1	41.62	6.20	1673	4.4	45	800	918	1090	152.00	63.4
11-Dec-00	48.93	-73.1	96.20	6.93	1191	30.0	-	780	960	1100	181.00	48.7
20-Mar-01	51.05	-2.7	-43.64	7.12	1092	7.4	-	670	625	736	10.20	45.4
19-Jun-01	52.30	-124.1	-99.90	7.37	1305	65.1	75	731	714	838	51.70	40.7
3-Dec-01	52.60	-341.6	0.24	6.00	1438	40.1	-	722	817	955	95.00	35.8
4-Jun-02	50.80	227.0	0.75	6.52	1500	22.8	-	731	748	841	33.60	64.2
09-Dec-02	9.47	14.0	2.36	6.51	1240	58.8	ND	601	702	780	22.30	96.4
26-Jun-03	50.16	-	3.66	6.47	856	18.7	5	732	710	815	35.80	39.0
10-Dec-03	50.00	-	3.66	7.00	788	0.3	-	605	590	701	12.20	62.2
22-Jun-04	55.40	-12.0	0.70	6.96	1215	0.7	15	590	635	773	44.60	64.1
7-Dec-04	51.44	-33.0	-	6.58	1250	0.5	-	640	590	994	40.90	< 2.0
22-Jun-05	52.88	-35.0	0.32	6.63	1266	12.3	< -	665	570	691	16.20	34.2
6-Dec-05	47.48	-20.0	4.67	7.04	970	7.0	5	540	552	587	3.71	40.4
20-Jun-06	56.12	3.0	0.24	6.43	1180	3.0	5	621	556	666	13.60	34.6
5-Dec-06	48.92	37.0	0.35	6.60	1215	1.8	-	643	632	668	12.70	46.1
27-Jun-07	59.50	-75.0	0.40	6.81	1210	6.1	-	750	677	738	9.25	36.1
11-Dec-07	49.10	65.1	4.20	6.75	970	2.0	< 5	519	502	566	3.61	42.4
18-Jun-08	49.80	-7.0	0.46	6.76	1195	2.9	< 5	640	542	662	9.98	27.9
9-Dec-08	46.04	5.6	1.54	6.88	1000	1.5	-	528	543	546	6.05	24.3
9-Jun-09	52.52	29.0	0.54	6.24	1140	2.1	-	610	572	632	7.50	34.0
8-Dec-09	46.58	-131.0	1.91	6.55	1106	3.5	5	604	562	606	8.60	2.7
8-Jun-10	55.58	48.0	0.70	6.75	935	1.4	< 5	600	590	627	8.70	31.5
8-Dec-10	50.00	132.0	6.51	6.46	850	2.4	-	431	518	480	4.70	18.0
9-Jun-11	53.42	71.0	0.80	6.62	938	12.6	-	506	515	564	4.40	29.9
13-Dec-11	52.16	113.0	2.65	6.75	870	17.8	3	478	469	485	7.80	14.6
19-Jun-12	56.66	84.0	8.50	6.66	1060	3.9	3	520	520	531	6.10	15.1
1-Dec-12	46.76	84.0	3.29	7.00	859	6.5	-	450	502	442	11.40	< 2.0
18-Jun-13	54.50	114.0	1.11	6.59	972	1.6	-	580	529	568	4.70	19.8
10-Dec-13	48.74	173.0	4.49	7.14	1050	5.6	13	461	520	455	4.10	14.1
17-Jun-14	55.94	80.0	0.98	6.63	995	8.0	7	560	586	568	3.20	26.3
9-Dec-14	43.70	1.0	1.10	6.61	969	9.3	-	576	598	579	10.00	18.2
17-Jun-15	50.54	98.0	7.70	6.98	637	4.0	-	350	314	265	4.50	7.4
16-Dec-15	49.82	74.0	1.02	6.78	980	2.8	11	532	531	537	5.20	28.0
22-Jun-16	53.24	121.0	0.58	6.74	960	3.2	10	530	516	541	4.00	10.7
13-Dec-16	49.46	33.0	7.10	7.03	703	2.8	11	360	357	378	7.10	9.9
20-Jun-17	52.16	166.0	0.90	6.79	895	1.0	-	511	494	501	2.50	5.1
13-Dec-17	49.10	107.0	0.85	6.86	885	2.4	-	491	531	510	4.70	13.5
20-Jun-18	52.16	88.0	0.64	6.71	892	4.1	22	474	485	504	2.40	5.6
11-Dec-18	50.00	167.0	3.79	7.00	880	4.6	-	420	468	458	5.50	6.5
18-Jun-19	56.12	9.0	0.52	6.79	865	1.8	-	453	508	494	2.90	4.8
18-Dec-19	46.22	268.0	8.26	7.27	740	3.7	17	382	414	420	5.10	6.7
22-Jun-20	56.48	53.0	0.72	6.95	790	1.5	7	440	451	470	< 2.00	4.3
7-Dec-20	9.40	-59.0	0.54	6.72	900	7.3	-	467	488	505	4.00	7.0
24-Jun-21	54.68	94.0	0.61	6.69	945	0.7	-	547	517	540	2.70	12.5
21-Dec-21	44.60	87.0	0.99	6.56	928	2.0	11	523	507	523	4.7	6.5
23-Jun-22	50.90	94.0	0.45	6.54	873	3.3	2	499	465	504	2.4	6.6
13-Dec-22	48.56	12.0	0.64	6.64	916	5.7	-	530	498	524	4.70	8.5

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	INORGANIC PARAMETERS										
	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	2	1	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	2.3	0.9	0.01	2.8	66	71	127.7	37.98	39.6	0.0053	-
<i>Monitoring Well PW-5</i>											
2-Jun-99	ND	ND	ND	ND	2.30	3.47	18.6	16.4	5.34	ND	ND
19-Sep-99	ND	-	-	ND	1.28	2.33	16.5	24.2	5.14	ND	-
7-Dec-99	ND	ND	ND	ND	1.70	2.11	17.4	19.8	4.78	ND	ND
5-Apr-00	ND	ND	ND	ND	6.88	7.72	15.1	3.4	4.67	ND	ND
13-Jun-00	ND	-	-	ND	2.74	3.09	15.1	2.9	4.10	ND	-
19-Sep-00	ND	ND	ND	ND	1.62	2.77	9.3	13.6	4.65	ND	ND
11-Dec-00	ND	-	-	ND	0.99	2.09	15.1	6.4	4.10	ND	-
20-Mar-01	ND	-	-	4.09	1.53	2.93	7.8	2.1	4.27	ND	-
19-Jun-01	ND	ND	ND	ND	10.50	10.00	12.3	4.6	4.87	ND	ND
3-Dec-01	ND	-	-	ND	1.85	3.26	14.0	5.5	3.61	ND	-
4-Jun-02	ND	-	-	ND	5.90	6.08	9.1	ND	3.14	ND	-
09-Dec-02	ND	ND	ND	2.42	ND	0.29	11.4	ND	3.86	ND	ND
26-Jun-03	ND	ND	ND	ND	4.70	4.79	17.5	ND	6.72	ND	ND
10-Dec-03	ND	-	-	0.96	ND	ND	6.0	ND	3.85	ND	-
22-Jun-04	-	-	-	-	11.00	11.20	16.7	-	5.90	0.005	-
7-Dec-04	< 1.00	-	-	< 0.50	14.40	14.50	11.5	< 2.0	5.60	< 0.005	-
22-Jun-05	< 1.00	-	-	< 0.50	14.40	14.90	10.1	< 2.0	4.53	< 0.005	-
6-Dec-05	< 1.00	< 0.10	< 0.01	1.40	< 0.05	0.21	5.1	< 2.0	2.42	< 0.005	< 0.010
20-Jun-06	1.06	< 0.20	< 0.01	< 0.50	11.80	11.80	5.5	< 2.0	4.21	< 0.005	< 0.010
5-Dec-06	< 1.00	-	-	< 0.50	11.30	11.70	5.1	< 2.0	4.11	< 0.005	-
27-Jun-07	< 1.00	-	-	< 0.50	1.82	1.84	< 5.0	< 2.0	4.36	< 0.005	-
11-Dec-07	< 1.00	< 0.20	< 0.01	1.36	< 0.05	0.44	< 5.0	< 2.0	2.59	< 0.005	< 0.010
18-Jun-08	< 1.00	< 0.20	< 0.01	< 0.50	9.95	10.60	7.5	3.0	3.69	< 0.005	< 0.010
9-Dec-08	< 1.00	-	-	2.42	1.82	0.28	< 5.0	< 2.0	3.14	< 0.005	-
9-Jun-09	< 1.00	-	-	< 0.50	8.23	4.44	< 5.0	< 2.0	4.70	< 0.005	-
8-Dec-09	< 1.00	< 0.20	< 0.01	< 0.50	6.98	7.33	< 5.0	< 2.0	5.00	< 0.005	< 0.010
8-Jun-10	< 1.00	< 0.20	< 0.01	< 0.50	5.05	5.41	5.8	< 2.0	6.00	< 0.005	< 0.010
8-Dec-10	< 1.00	-	-	1.10	< 0.05	< 0.20	< 5.0	< 2.0	2.50	< 0.005	-
9-Jun-11	< 1.00	-	-	< 1.00	< 0.05	< 0.20	< 5.0	< 2.0	2.00	< 0.005	-
13-Dec-11	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.20	6.3	< 2.0	2.70	< 0.005	< 0.010
19-Jun-12	< 1.00	< 0.20	< 0.01	< 1.00	4.74	5.23	8.5	< 2.0	3.30	< 0.005	< 0.010
1-Dec-12	< 1.00	-	-	< 1.00	< 0.05	0.28	< 5.0	< 2.0	2.40	< 0.005	-
18-Jun-13	< 1.00	-	-	< 1.00	4.96	5.53	7.6	< 2.0	3.30	< 0.005	-
10-Dec-13	< 1.00	< 0.20	< 0.01	1.20	< 0.05	< 0.20	< 5.0	< 2.0	2.00	< 0.005	< 0.010
17-Jun-14	< 1.00	< 0.20	< 0.01	< 1.00	0.40	1.26	< 5.0	< 2.0	3.40	< 0.005	< 0.010
9-Dec-14	< 1.00	-	-	< 1.00	3.40	3.54	< 5.0	< 2.0	3.10	< 0.005	-
17-Jun-15	< 1.00	-	-	< 1.00	< 0.05	0.31	< 5.0	< 2.0	2.30	< 0.005	-
16-Dec-15	< 1.00	< 0.20	< 0.01	< 1.00	3.21	3.37	16.1	< 2.0	7.20	< 0.005	< 0.010
22-Jun-16	< 1.00	< 0.20	< 0.01	< 1.00	4.34	4.51	< 5.0	< 2.0	2.90	< 0.005	< 0.010
13-Dec-16	< 1.00	< 0.20	< 0.01	1.10	< 0.05	< 0.02	< 5.0	< 2.0	2.30	< 0.005	< 0.010
20-Jun-17	< 1.00	-	-	< 1.00	1.30	1.61	8.8	2.5	2.40	< 0.005	-
13-Dec-17	< 1.00	-	-	< 1.00	2.30	2.00	8.8	2.5	3.50	< 0.005	-
20-Jun-18	< 1.00	< 0.20	< 0.01	< 1.00	3.65	3.95	11.0	< 2.0	25.80	< 0.005	< 0.010
11-Dec-18	< 1.00	-	-	< 1.00	< 0.05	0.28	< 5.0	< 2.0	2.30	< 0.005	-
18-Jun-19	< 1.00	-	-	< 1.00	1.67	1.70	5.1	2.2	2.90	< 0.005	-
18-Dec-19	< 1.00	< 0.20	< 0.01	< 2.00	< 0.05	< 0.20	< 5.0	< 2.0	1.70	< 0.005	< 0.005
22-Jun-20	< 1.00	0.04	< 0.01	< 1.00	1.96	1.33	14.7	< 2.0	2.60	< 0.005	< 0.005
7-Dec-20	< 1.00	-	-	< 1.00	3.03	2.71	6.6	< 2.0	2.50	< 0.005	-
24-Jun-21	< 1.00	-	-	< 1.00	2.07	2.30	5.3	< 2.0	3.50	< 0.005	-
21-Dec-21	< 1.0	< 0.20	< 0.01	< 1.00	0.59	1.060	< 5.00	< 2.0	2.90	< 0.005	< 0.005
23-Jun-22	< 1.0	< 0.20	< 0.01	< 1.00	0.85	1.400	< 5.00	< 2.0	2.00	< 0.005	< 0.005
13-Dec-22	< 1.00	-	-	< 1.00	1.85	2.38	5.2	< 2.0	2.10	< 0.005	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS

GROUNDWATER UPPER AQUIFER	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.30
TRIGGER VALUES	3.9	-	0.033	3.0	-	-	199.6	0.02	-	-	34.3
<i>Monitoring Well</i> PW-5											
2-Jun-99	0.110	ND	0.012	0.528	ND	ND	272.0	ND	ND	ND	24.2
19-Sep-99	-	-	-	-	-	ND	262.0	-	-	-	23.7
7-Dec-99	ND	ND	0.012	0.529	ND	ND	270.0	ND	ND	ND	23.3
5-Apr-00	ND	ND	ND	0.292	ND	ND	200.0	ND	ND	ND	6.8
13-Jun-00	-	-	-	-	-	ND	229.0	-	-	-	19.4
19-Sep-00	0.591	ND	ND	0.415	ND	ND	241.0	ND	ND	ND	21.7
11-Dec-00	-	-	-	-	-	ND	256.0	-	-	-	19.8
20-Mar-01	-	-	-	-	-	ND	218.0	-	-	-	0.2
19-Jun-01	0.112	ND	ND	0.377	ND	ND	217.0	ND	ND	ND	9.5
3-Dec-01	-	-	-	-	-	ND	217.0	-	-	-	13.0
4-Jun-02	-	-	-	-	-	ND	219.0	-	-	-	0.5
09-Dec-02	ND	ND	ND	0.121	ND	ND	216.0	ND	ND	ND	ND
26-Jun-03	1.730	ND	ND	0.270	ND	ND	197.0	ND	ND	ND	4.3
10-Dec-03	-	-	-	-	-	ND	191.0	-	-	-	0.5
22-Jun-04	-	-	-	0.370	-	-	181.0	-	-	-	7.8
7-Dec-04	-	-	-	-	-	< 0.005	176.0	-	-	-	8.3
22-Jun-05	-	-	-	-	-	< 0.005	177.0	-	-	-	2.3
6-Dec-05	< 0.200	< 0.060	0.013	0.149	< 0.005	< 0.005	166.0	< 0.010	< 0.010	< 0.010	2.5
20-Jun-06	< 0.100	< 0.060	< 0.010	0.360	< 0.005	< 0.005	170.0	< 0.010	< 0.050	< 0.020	0.5
5-Dec-06	-	-	-	-	-	< 0.005	181.0	-	-	-	0.5
27-Jun-07	-	-	-	-	-	< 0.005	221.0	-	-	-	1.4
11-Dec-07	0.173	< 0.060	< 0.010	0.145	< 0.005	< 0.005	153.0	< 0.010	< 0.050	< 0.020	0.3
18-Jun-08	< 0.100	< 0.060	< 0.010	0.304	< 0.005	< 0.005	172.0	< 0.010	< 0.050	< 0.020	0.1
9-Dec-08	-	-	-	-	-	< 0.005	156.0	-	-	-	0.2
9-Jun-09	-	-	-	-	-	< 0.005	186.0	-	-	-	0.2
8-Dec-09	0.290	< 0.060	< 0.010	0.309	< 0.005	< 0.005	172.0	< 0.010	< 0.050	< 0.020	0.9
8-Jun-10	< 0.100	< 0.060	< 0.010	0.263	< 0.005	< 0.005	173.0	< 0.010	< 0.050	< 0.020	0.1
8-Dec-10	-	-	-	-	-	< 0.005	135.0	-	-	-	0.2
9-Jun-11	-	-	-	-	-	< 0.005	154.0	-	-	-	0.1
13-Dec-11	0.470	< 0.060	< 0.010	0.143	< 0.005	< 0.005	137.0	< 0.010	< 0.050	< 0.020	0.6
19-Jun-12	< 0.100	< 0.060	< 0.010	0.244	< 0.005	< 0.005	152.0	< 0.010	< 0.050	< 0.020	0.1
1-Dec-12	-	-	-	-	-	< 0.005	125.0	-	-	-	0.2
18-Jun-13	-	-	-	-	-	< 0.005	162.0	-	-	-	< 0.1
10-Dec-13	< 0.100	< 0.060	< 0.010	0.121	< 0.003	< 0.005	117.0	< 0.010	< 0.050	< 0.020	0.1
17-Jun-14	0.440	< 0.060	< 0.010	0.157	< 0.003	< 0.005	173.0	< 0.010	< 0.050	< 0.020	0.5
9-Dec-14	-	-	-	-	-	< 0.005	180.0	-	-	-	1.4
17-Jun-15	-	-	-	-	-	< 0.005	100.0	-	-	-	< 0.1
16-Dec-15	< 0.100	< 0.060	< 0.010	0.209	< 0.003	< 0.005	163.0	< 0.010	< 0.050	< 0.020	0.1
22-Jun-16	< 0.100	< 0.060	< 0.010	0.243	< 0.003	< 0.005	163.0	< 0.010	< 0.050	< 0.020	< 0.1
13-Dec-16	< 0.100	< 0.060	< 0.010	0.110	< 0.003	< 0.005	100.0	< 0.010	< 0.050	< 0.020	< 0.1
20-Jun-17	-	-	-	-	-	< 0.005	149.0	-	-	-	< 0.1
13-Dec-17	-	-	-	-	-	< 0.005	159.0	-	-	-	0.1
20-Jun-18	0.203	< 0.060	< 0.010	0.198	< 0.003	< 0.005	149.0	< 0.010	< 0.050	< 0.020	0.2
11-Dec-18	-	-	-	-	-	< 0.005	132.0	-	-	-	< 0.1
18-Jun-19	-	-	-	-	-	< 0.005	153.0	-	-	-	< 0.1
18-Dec-19	< 0.100	< 0.060	< 0.010	0.102	< 0.003	< 0.005	115.0	< 0.010	< 0.050	< 0.020	< 0.1
22-Jun-20	< 0.100	< 0.060	< 0.010	0.132	< 0.003	< 0.005	134.0	< 0.010	< 0.050	< 0.020	< 0.1
7-Dec-20	-	-	-	-	-	< 0.005	146.0	-	-	-	0.4
24-Jun-21	-	-	-	-	-	< 0.005	156.0	-	-	-	< 0.1
21-Dec-21	< 0.100	< 0.060	< 0.010	0.145	< 0.003	< 0.005	152.0	< 0.010	< 0.050	< 0.020	< 0.1
23-Jun-22	0.134	< 0.060	< 0.010	0.143	< 0.003	< 0.005	139.0	< 0.010	< 0.050	< 0.020	0.2
13-Dec-22	-	-	-	-	-	< 0.005	149.0	-	-	-	0.8

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS

GROUNDWATER UPPER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	Tl	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	0.0005	0.014	2
TRIGGER VALUES	0.007	147	1.5	-	0.08	59	911.6	0.013	-	-	-	0.06
<i>Monitoring Well</i> PW-5												
2-Jun-99	ND	66.1	0.731	ND	ND	5.85	55.6	ND	ND	ND	ND	ND
19-Sep-99	ND	67.0	0.744	-	-	4.78	62.3	-	-	-	-	-
7-Dec-99	0.005	65.8	0.695	ND	ND	4.96	69.6	ND	ND	ND	ND	ND
5-Apr-00	ND	34.9	0.850	ND	ND	14.70	26.3	0.006	ND	ND	ND	ND
13-Jun-00	ND	60.0	0.767	-	-	6.21	43.6	-	-	-	-	-
19-Sep-00	ND	60.8	0.784	ND	ND	6.01	53.6	ND	ND	ND	ND	ND
11-Dec-00	ND	60.8	0.699	-	-	4.90	64.7	-	-	-	-	-
20-Mar-01	ND	30.0	0.025	-	-	12.50	22.4	-	-	-	-	-
19-Jun-01	ND	40.5	1.170	ND	ND	15.70	27.3	ND	ND	ND	ND	ND
3-Dec-01	ND	50.3	0.658	-	-	7.51	40.3	-	-	-	-	-
4-Jun-02	ND	46.2	1.230	-	-	11.00	24.1	-	-	-	-	-
09-Dec-02	ND	32.0	ND	ND	ND	10.10	24.9	ND	ND	ND	ND	ND
26-Jun-03	ND	49.9	0.949	ND	ND	8.09	37.6	ND	ND	ND	ND	0.035
10-Dec-03	ND	29.4	ND	-	-	7.86	27.7	-	-	-	-	-
22-Jun-04	-	41.7	0.444	-	-	11.90	32.9	-	-	-	-	-
7-Dec-04	< 0.005	34.7	0.382	-	-	11.60	48.6	-	-	-	-	-
22-Jun-05	< 0.005	38.2	0.415	-	-	12.60	38.3	-	-	-	-	-
6-Dec-05	< 0.005	28.3	< 0.010	< 0.0003	< 0.04	5.80	12.2	< 0.005	< 0.010	< 0.006	< 0.010	< 0.020
20-Jun-06	< 0.005	35.0	0.526	< 0.0003	< 0.04	13.80	21.5	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
5-Dec-06	< 0.005	36.6	0.418	-	-	15.50	23.6	-	-	-	-	-
27-Jun-07	< 0.005	39.2	0.586	-	-	6.53	16.7	-	-	-	-	-
11-Dec-07	< 0.005	30.7	< 0.010	< 0.0003	< 0.04	4.86	11.3	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
18-Jun-08	< 0.005	31.5	1.280	< 0.0003	< 0.04	13.50	15.5	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
9-Dec-08	< 0.005	34.3	< 0.010	-	-	4.05	13.1	-	-	-	-	-
9-Jun-09	< 0.005	33.3	0.606	-	-	13.10	13.2	-	-	-	-	-
8-Dec-09	< 0.005	34.8	0.987	< 0.0003	< 0.04	12.60	15.9	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Jun-10	< 0.005	32.5	0.445	< 0.0003	< 0.04	11.30	13.9	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Dec-10	< 0.005	27.1	< 0.010	-	-	4.20	10.1	-	-	-	-	-
9-Jun-11	< 0.005	32.9	0.072	-	-	4.50	9.7	-	-	-	-	-
13-Dec-11	< 0.005	28.0	0.021	< 0.0002	< 0.04	4.30	9.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
19-Jun-12	< 0.005	28.7	0.151	< 0.0002	< 0.04	10.30	10.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
1-Dec-12	< 0.005	34.9	0.011	-	-	3.90	11.4	-	-	-	-	-
18-Jun-13	< 0.005	28.6	0.233	-	-	10.80	11.1	-	-	-	-	-
10-Dec-13	< 0.005	31.7	0.010	< 0.0002	< 0.04	3.70	8.7	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
17-Jun-14	< 0.005	36.9	0.052	< 0.0002	< 0.04	6.00	7.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
9-Dec-14	< 0.005	35.8	0.270	-	-	9.90	13.2	-	-	-	-	-
17-Jun-15	< 0.005	25.2	< 0.010	-	-	3.10	7.5	-	-	-	-	-
16-Dec-15	< 0.005	29.9	0.062	< 0.0002	< 0.04	8.76	9.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
22-Jun-16	< 0.005	26.8	0.136	< 0.0002	< 0.04	10.40	7.9	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
13-Dec-16	< 0.005	25.8	< 0.010	< 0.0002	< 0.04	3.60	7.9	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
20-Jun-17	< 0.005	29.6	0.013	-	-	6.70	7.9	-	-	-	-	-
13-Dec-17	< 0.005	32.5	0.012	-	-	8.30	7.7	-	-	-	-	-
20-Jun-18	< 0.005	27.7	0.011	< 0.0002	< 0.04	9.13	7.6	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
11-Dec-18	< 0.005	33.6	< 0.010	-	-	4.10	6.3	-	-	-	-	-
18-Jun-19	< 0.005	30.9	< 0.010	-	-	6.90	5.1	-	-	-	-	-
18-Dec-19	< 0.005	30.6	< 0.010	< 0.0002	< 0.04	3.51	5.3	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
22-Jun-20	< 0.005	28.2	< 0.010	< 0.0002	< 0.04	6.29	4.6	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
7-Dec-20	< 0.005	30.3	0.046	-	-	7.10	5.9	-	-	-	-	-
24-Jun-21	< 0.005	31.1	< 0.010	-	-	6.90	5.0	-	-	-	-	-
21-Dec-21	< 0.005	31.2	0.010	< 0.0002	< 0.040	6.43	4.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
23-Jun-22	< 0.005	28.5	0.016	< 0.0002	< 0.040	6.47	5.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
13-Dec-22	< 0.005	30.5	0.099	-	-	7.00	6.7	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well PW-5</i>											
2-Jun-99	-	-	-	-	-	-	-	-	-	-	-
19-Sep-99	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-
5-Apr-00	-	-	-	-	-	-	-	-	-	-	-
13-Jun-00	-	-	-	-	-	-	-	-	-	-	-
19-Sep-00	-	-	-	-	-	-	-	-	-	-	-
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	-	-	-	-	-	-	-	-	-	-	-
3-Dec-01	-	-	-	-	-	-	-	-	-	-	-
4-Jun-02	-	-	-	-	-	-	-	-	-	-	-
09-Dec-02	-	-	-	-	-	-	-	-	-	-	-
26-Jun-03	-	-	-	-	-	-	-	-	-	-	-
10-Dec-03	-	-	-	-	-	-	-	-	-	-	-
22-Jun-04	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-
22-Jun-05	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-
18-Jun-08	-	-	-	-	-	-	-	-	-	-	-
9-Dec-08	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	-	-	-	-	-	-	-	-	-	-	-
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-
19-Jun-12	-	-	-	-	-	-	-	-	-	-	-
1-Dec-12	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-
10-Dec-13	-	-	-	-	-	-	-	-	-	-	-
17-Jun-14	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-
13-Dec-16	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	-	-	-	-	-	-	-	-	-	-	-
22-Jun-20	-	-	-	-	-	-	-	-	-	-	-
7-Dec-20	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	Tl	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	-	0.014	2
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> PW-5												
2-Jun-99	-	-	-	-	-	-	-	-	-	-	-	-
19-Sep-99	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
5-Apr-00	-	-	-	-	-	-	-	-	-	-	-	-
13-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-
19-Sep-00	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	-	-	-	-	-	-	-	-	-	-	-	-
3-Dec-01	-	-	-	-	-	-	-	-	-	-	-	-
4-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
09-Dec-02	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-03	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-12	-	-	-	-	-	-	-	-	-	-	-	-
1-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-13	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-14	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-16	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											
	Acetone ug/l	Benzene ug/l	Bromo- dichloro- methane ug/l	Bromo- form ug/l	Bromo- methane ug/l	2-Butanone (MEK) ug/l	Carbon Disulfide ug/l	Carbon- Tetra- chloride ug/l	Chloro- benzene ug/l	Chloro- ethane ug/l	Chloro- form ug/l	Chloro- methane ug/l
6NYCRR Part 703 GROUNDWATER STANDARD	50	1	50	50	5	50	60	5	5	5	7	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well PW-5</i>												
2-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	83.0	ND	ND
19-Sep-99	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	51.0	ND	ND
5-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.0	ND	ND
13-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-
19-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	51.0	ND	ND
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.0	ND	ND
3-Dec-01	-	-	-	-	-	-	-	-	-	-	-	-
4-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
09-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-06	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
18-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Jun-10	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
19-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
17-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	1.0	< 1.0	< 1.0	< 1.0
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
16-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
13-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
7-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	Dibromo- chloro- methane	Dichloro- difluoro- methane	1,1- Dichloro- ethane	1,2- Dichloro- ethane	1,1- Dichloro- ethene	Cis-1,2- Dichloro- ethene	Trans-1,2- Dichloro- ethene	1,2- Dichloro- propane	Cis-1,3- Dichloro- propene	Trans-1,3- Dichloro- propene	Ethyl- benzene	2- Hexanone	Methylene- Chloride
	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
6NYCRR Part 703 GROUNDWATER STANDARD	50	5	5	0.6	5	5	5	1	0.4	0.4	5	50	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well PW-5</i>													
2-Jun-99	ND	11.0	310.0	ND	ND	18.0	ND	ND	ND	ND	ND	ND	ND
19-Sep-99	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	ND	ND	220.0	ND	ND	20.0	ND	ND	ND	ND	ND	ND	ND
5-Apr-00	ND	5.1	150.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Sep-00	ND	ND	260.0	ND	ND	15.0	ND	ND	ND	ND	ND	ND	ND
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	ND	ND	76.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Dec-01	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-	-
09-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-Jun-03	ND	ND	30.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-04	-	-	14.0	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-06	< 5.0	< 5.0	9.5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
18-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 5.0	< 5.0	6.3	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Jun-10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
19-Jun-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
1-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
17-Jun-14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Dec-14	< 1.0	-	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
17-Jun-15	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
16-Dec-15	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
13-Dec-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-20	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
7-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-22	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	4-Methyl- 2-Pentanone		1,1,2,2- Tetrachloro- ethane		Tetra- chloro- ethene		1,1,1- Trichloro- ethane		1,1,2- Trichloro- ethene		Vinyl Chloride		O- Xylene		M & P- Xylene		SUM OF ORGANIC COMPOUNDS (DETECTED)
	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	5	1	5	2	5	5					
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well PW-5</i>																	
2-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	32.0	ND	ND	ND	ND	ND	ND	454.0
19-Sep-99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	291.0
5-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9	ND	ND	ND	ND	ND	ND	190.0
13-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	27.0	ND	ND	ND	ND	ND	ND	353.0
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	89.0
3-Dec-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
26-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30
10-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	10
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
18-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	6
8-Jun-10	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
19-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
1-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
17-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0	3
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0	0
16-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
13-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
7-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP. (deg. F)	Eh (mV)	DISS OX (mg/L)	pH (Std units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Pt/Cl)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	6.5 -- 8.5	-	-	-	-	-	500	250	250
TRIGGER VALUES	64	389	176	10.4	5152	136	-	1501	1000	2783	1161.5	142
<i>Monitoring Well</i> PW-8												
2-Jun-99	59.13	-226.4	49.54	6.65	2870	16.9	ND	868	940	1740	542	57.5
19-Sep-99	51.98	-1.5	3.01	6.83	2798	87.0	-	915	942	1900	493	54.4
7-Dec-99	50.63	-68.2	33.03	6.81	3144	36.5	30	1020	1000	1950	586	51.3
5-Apr-00	45.70	-65.0	28.89	6.93	2910	9.9	75	552	692	1290	342	64.9
12-Jun-00	58.20	-91.6	4.37	6.87	2445	5.2	-	505	812	1590	439	23.6
19-Sep-00	59.68	-79.1	34.04	6.25	2784	2.5	30	1110	868	1680	462	29.7
11-Dec-00	49.52	-89.9	96.20	6.74	2012	60.0	-	1100	870	1840	531	7.0
20-Mar-01	49.73	-50.2	-44.50	6.93	2847	6.5	-	985	862	1700	530	13.2
19-Jun-01	54.70	-132.6	8.90	6.66	2891	215.0	15	1000	894	1750	506	7.2
3-Dec-01	52.60	-359.5	-0.37	5.99	2800	34.0	-	926	900	1720	481	3.0
4-Jun-02	52.25	85.0	0.80	6.57	3200	34.8	-	991	920	1720	960	5.3
26-Jun-03	52.86	-84.6	1.41	6.38	1985	19.1	-	737	676	1110	244	ND
10-Dec-03	50.10	-	5.34	6.89	1805	0.1	-	840	770	1370	401	ND
24-Jun-04	57.02	-57.0	-	7.55	1990	401.0	40	880	750	1220	252	2.2
7-Dec-04	50.18	-58.0	-	7.57	2559	352.0	-	915	770	1340	341	4.4
23-Jun-05	55.58	-100.0	-	6.83	2468	12.0	-	940	790	1420	358	< 2.0
6-Dec-05	50.36	-126.0	-	7.41	1982	31.8	150	940	848	1360	364	2.9
20-Jun-06	57.02	203.0	-	7.03	1771	42.1	50	866	840	1210	213	5.1
5-Dec-06	42.44	-20.0	-	6.98	2010	101.0	-	938	916	1260	258	3.2
27-Jun-07	57.70	210.0	-	7.20	1236	80.0	-	720	2110	888	106	23.7
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	58.28	48.0	-	6.82	1600	67.8	20	740	980	1030	79	83.9
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	58.28	-54.0	-	6.48	2324	49.2	-	630	1470	1780	96	688.0
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-12	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	50.72	-13.0	-	6.65	1766	40.7	-	655	982	1170	95	287.0
11-Dec-13	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-14	55.04	-8.0	-	6.71	1670	180.1	17	604	922	1170	90	236.0
8-Dec-14	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	55.58	14.0	-	6.71	1601	12.3	-	626	950	843	95	238.0
15-Dec-15	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-17	53.60	-19.0	-	6.78	1415	12.7	-	61	819	894	81	94.3
13-Dec-17	45.50	23.0	-	7.40	1311	14.4	-	551	761	720	74	94.1
19-Jun-18	55.58	-80.0	-	7.11	1344	8.2	15	564	694	785	77	86.5
12-Dec-18	49.64	23.0	-	6.84	1277	6.7	-	513	706	796	71	84.8
18-Jun-19	48.38	8.0	-	6.86	1263	8.5	-	498	700	769	79	76.2
19-Dec-19	47.84	90.0	-	6.88	1164	4.5	12	566	620	756	36	69.6
23-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-	-
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	49.82	47.0	-	7.47	1352	13.2	-	555	694	831	85.0	106.0
23-Jun-22	DRY	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	DRY	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS

GROUNDWATER UPPER AQUIFER	Br	BORON	Cr+6	NO3-N	NH3-N	TKN	COD	BOD-5	TOC	TOTAL PHENOLS	TOTAL CYANIDE
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	2	1	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	2.3	0.9	0.01	2.8	66	71	128	37.98	39.6	0.0053	-
<i>Monitoring Well</i>											
PW-8											
2-Jun-99	ND	0.43	ND	ND	27.00	30.20	43.9	4.64	10.90	ND	ND
19-Sep-99	ND	-	-	0.68	15.60	16.40	43.4	15.40	14.00	ND	-
7-Dec-99	ND	0.37	ND	ND	18.10	22.30	46.8	2.07	14.80	ND	ND
5-Apr-00	ND	0.25	ND	ND	9.09	10.20	52.7	20.00	14.70	ND	ND
12-Jun-00	ND	-	-	ND	15.50	17.70	38.0	5.04	11.30	ND	-
19-Sep-00	1.02	0.46	ND	ND	32.40	-	45.7	5.13	13.50	ND	ND
11-Dec-00	ND	-	-	ND	35.20	35.50	51.2	11.70	15.30	0.008	-
20-Mar-01	ND	-	-	ND	19.20	21.50	35.0	10.90	11.10	ND	-
19-Jun-01	ND	0.40	ND	ND	21.20	21.50	41.7	5.32	13.60	ND	ND
3-Dec-01	ND	-	-	ND	16.80	16.90	40.7	3.13	11.60	0.006	-
4-Jun-02	ND	-	-	ND	16.10	17.60	35.0	5.07	11.30	0.005	-
26-Jun-03	ND	ND	ND	ND	11.40	12.50	39.3	-	13.30	ND	ND
10-Dec-03	ND	-	-	ND	12.60	14.30	40.6	ND	11.30	ND	-
24-Jun-04	-	0.33	-	-	23.60	23.10	58.8	5.70	13.20	-	-
7-Dec-04	< 1.00	-	-	< 0.50	23.60	25.60	51.1	< 2.00	11.40	< 0.005	-
23-Jun-05	< 1.00	-	-	< 0.50	23.50	25.10	40.6	9.81	11.20	0.066	-
6-Dec-05	< 1.00	0.22	< 0.01	< 0.50	22.20	24.00	25.7	4.52	7.94	< 0.005	< 0.010
20-Jun-06	1.30	0.27	0.03	< 0.50	19.40	22.80	39.8	12.7 J	17.80	< 0.005	< 0.010
5-Dec-06	< 1.00	-	-	< 0.50	23.00	25.60	32.1	11.60	10.40	0.007	-
27-Jun-07	< 1.00	-	-	< 0.50	0.47	2.50	< 5.0	3.06	4.20	< 0.005	-
11-Dec-07	DRY	-	-	-	-	-	-	-	-	-	-
19-Jun-08	< 1.00	< 0.20	< 0.01	< 0.50	0.25	2.20	12.7	3.39	4.92	< 0.005	< 0.010
8-Dec-08	DRY	-	-	-	-	-	-	-	-	-	-
9-Jun-09	< 1.00	-	-	0.54	0.22	1.20	13.2	5.90	4.10	< 0.005	-
8-Dec-09	DRY	-	-	-	-	-	-	-	-	-	-
8-Jun-10	DRY	-	-	-	-	-	-	-	-	-	-
7-Dec-10	DRY	-	-	-	-	-	-	-	-	-	-
7-Jun-11	DRY	-	-	-	-	-	-	-	-	-	-
12-Dec-11	DRY	-	-	-	-	-	-	-	-	-	-
19-Jun-12	DRY	-	-	-	-	-	-	-	-	-	-
11-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-
18-Jun-13	< 1.00	-	-	< 1.00	0.09	0.56	< 5.0	4.00	2.40	< 0.005	-
11-Dec-13	DRY	-	-	-	-	-	-	-	-	-	-
16-Jun-14	< 1.00	< 0.20	0.02	1.50	0.28	1.50	37.8	4.80	2.90	< 0.005	< 0.010
8-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-
17-Jun-15	< 1.00	-	-	1.00	0.12	1.33	6.5	< 2.00	2.20	< 0.005	-
15-Dec-15	DRY	-	-	-	-	-	-	-	-	-	-
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-
14-Dec-16	DRY	-	-	-	-	-	-	-	-	-	-
21-Jun-17	< 1.00	-	-	< 1.00	0.18	0.70	6.4	< 2.00	2.70	< 0.005	-
13-Dec-17	< 1.00	-	-	< 1.00	0.11	1.36	9.5	3.40	3.10	< 0.005	-
19-Jun-18	< 1.00	< 0.20	< 0.01	< 1.00	0.08	0.88	7.2	< 2.00	16.40	< 0.005	< 0.010
12-Dec-18	< 1.00	-	-	< 1.00	0.08	0.41	8.8	< 2.00	2.70	< 0.005	-
18-Jun-19	< 1.00	-	-	< 1.00	< 0.05	0.34	< 5.0	< 2.00	3.00	< 0.005	-
19-Dec-19	< 1.00	< 0.20	< 0.01	1.20	< 0.05	0.34	7.7	< 2.00	2.80	< 0.005	< 0.010
23-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-
25-Jun-21	< 1.0	-	-	< 1.00	< 0.05	0.280	6.90	3.20	2.40	< 0.005	-
23-Jun-22	DRY	-	-	-	-	-	-	-	-	-	-
13-Dec-22	DRY	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS

GROUNDWATER UPPER AQUIFER	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.30
TRIGGER VALUES	3.9	-	0.033	3.0	-	-	199.616	0.02	-	-	34.3
<i>Monitoring Well</i> PW-8											
2-Jun-99	ND	ND	ND	1.140	ND	ND	231.0	ND	ND	ND	19.7
19-Sep-99	-	-	-	-	-	ND	219.0	-	-	-	17.5
7-Dec-99	0.447	ND	ND	1.080	ND	ND	234.0	ND	ND	ND	21.8
5-Apr-00	0.189	ND	ND	0.552	ND	ND	165.0	ND	ND	ND	14.5
12-Jun-00	-	-	-	-	-	ND	82.6	-	-	-	5.1
19-Sep-00	ND	ND	0.011	1.180	ND	ND	209.0	ND	ND	ND	27.5
11-Dec-00	-	-	-	-	-	ND	226.0	-	-	-	27.4
20-Mar-01	-	-	-	-	-	ND	240.0	-	-	-	21.8
19-Jun-01	0.151	ND	ND	1.370	ND	ND	230.0	ND	ND	ND	22.7
3-Dec-01	-	-	-	-	-	ND	222.0	-	-	-	18.9
4-Jun-02	-	-	-	-	-	ND	226.0	-	-	-	17.7
26-Jun-03	0.246	ND	ND	0.744	ND	ND	175.0	ND	ND	ND	19.2
10-Dec-03	-	-	-	-	-	ND	197.0	-	-	-	20.5
24-Jun-04	23.000	-	0.022	1.330	-	-	254.0	0.028	-	0.034	49.7
7-Dec-04	-	-	-	-	-	< 0.005	216.0	-	-	-	23.2
23-Jun-05	-	-	-	-	-	< 0.005	220.0	-	-	-	20.8
6-Dec-05	0.348	< <0.060	0.026	1.160	< 0.005	< 0.005	204.0	< 0.010	< 0.010	< 0.010	20.8
20-Jun-06	4.060	< <0.060	< 0.010	1.120	< 0.005	< 0.005	216.0	< 0.010	< 0.050	< 0.020	26.2
5-Dec-06	-	-	-	-	-	< 0.005	205.0	-	-	-	19.2
27-Jun-07	-	-	-	-	-	< 0.005	1020.0	-	-	-	216.0
11-Dec-07	DRY	-	-	-	-	-	-	-	-	-	-
19-Jun-08	12.000	< <0.060	< 0.010	0.782	< 0.005	< 0.005	254.0	0.017	< 0.050	0.024	12.7
8-Dec-08	DRY	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	< 0.005	415.0	-	-	-	11.0
8-Dec-09	DRY	-	-	-	-	-	-	-	-	-	-
8-Jun-10	DRY	-	-	-	-	-	-	-	-	-	-
7-Dec-10	DRY	-	-	-	-	-	-	-	-	-	-
7-Jun-11	DRY	-	-	-	-	-	-	-	-	-	-
12-Dec-11	DRY	-	-	-	-	-	-	-	-	-	-
19-Jun-12	DRY	-	-	-	-	-	-	-	-	-	-
11-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	< 0.005	253.0	-	-	-	11.6
11-Dec-13	DRY	-	-	-	-	-	-	-	-	-	-
16-Jun-14	10.700	< 0.060	< 0.010	0.360	< 0.005	< 0.005	276.0	0.015	< 0.050	< 0.020	13.0
8-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	< 0.005	248.0	-	-	-	2.8
15-Dec-15	DRY	-	-	-	-	-	-	-	-	-	-
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-
14-Dec-16	DRY	-	-	-	-	-	-	-	-	-	-
21-Jun-17	-	-	-	-	-	< 0.005	221.0	-	-	-	19.5
13-Dec-17	-	-	-	-	-	< 0.005	205.0	-	-	-	9.6
19-Jun-18	3.490	< 0.060	< 0.010	0.179	< 0.003	< 0.005	190.0	< 0.010	< 0.050	< 0.020	3.4
12-Dec-18	-	-	-	-	-	< 0.005	195.0	-	-	-	3.0
18-Jun-19	-	-	-	-	-	< 0.005	194.0	-	-	-	3.5
19-Dec-19	1.450	< 0.060	< 0.010	0.178	< 0.003	< 0.005	175.0	< 0.010	< 0.050	< 0.020	1.4
23-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	< 0.005	186.0	-	-	-	4.2
23-Jun-22	DRY	-	-	-	-	-	-	-	-	-	-
13-Dec-22	DRY	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	TOTAL METALS											
	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	TI (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20.0	0.010	0.050	#####	0.014	2.0
TRIGGER VALUES	0.007	147	1.5	-	0.08	59	911.625	0.013	-	-	-	0.06
<i>Monitoring Well</i> PW-8												
2-Jun-99	ND	71.8	0.857	ND	ND	32.00	368.0	ND	ND	ND	ND	ND
19-Sep-99	ND	80.1	0.696	-	-	24.40	385.0	-	-	-	-	-
7-Dec-99	ND	82.8	0.570	ND	ND	27.30	397.0	ND	ND	ND	ND	ND
5-Apr-00	ND	52.0	0.568	ND	ND	15.60	251.0	0.009	ND	ND	ND	0.054
12-Jun-00	ND	38.9	0.304	-	-	20.00	258.0	-	-	-	-	-
19-Sep-00	ND	67.6	0.502	ND	ND	32.80	332.0	ND	ND	ND	ND	ND
11-Dec-00	ND	71.6	0.504	-	-	25.80	303.0	-	-	-	-	-
20-Mar-01	ND	74.8	0.485	-	-	20.90	246.0	-	-	-	-	-
19-Jun-01	ND	75.6	0.463	ND	ND	28.80	332.0	ND	ND	ND	ND	ND
3-Dec-01	ND	74.6	0.409	-	-	20.30	300.0	-	-	-	-	-
4-Jun-02	ND	71.8	0.426	-	-	20.80	290.0	-	-	-	-	-
26-Jun-03	ND	47.0	0.701	ND	ND	15.40	158.0	ND	ND	ND	ND	ND
10-Dec-03	0.006	61.9	0.464	-	-	16.30	242.0	-	-	-	-	-
24-Jun-04	0.015	81.2	1.040	-	-	29.20	187.0	-	-	-	-	0.192
7-Dec-04	< 0.005	63.6	0.501	-	-	26.70	224.0	-	-	-	-	-
23-Jun-05	< 0.005	68.9	0.500	-	-	27.20	230.0	-	-	-	-	-
6-Dec-05	< 0.005	61.2	0.503	< 0.0003	< 0.040	25.40	195.0	0.005	< 0.010	< 0.006	< 0.010	0.053
20-Jun-06	< 0.005	67.7	0.552	< 0.0003	< 0.040	27.30	178.0	< 0.010	< 0.010	< 0.010	< 0.050	0.056
5-Dec-06	< 0.005	62.6	0.462	-	-	28.30	176.0	-	-	-	-	-
27-Jun-07	0.139	273.0	5.890	-	-	76.70	60.6	-	-	-	-	-
11-Dec-07	DRY	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	0.008	66.5	0.742	< 0.0003	< 0.040	8.50	57.6	< 0.010	< 0.010	< 0.010	< 0.050	0.051
8-Dec-08	DRY	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	0.084	97.3	1.220	-	-	9.40	59.0	-	-	-	-	-
8-Dec-09	DRY	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	DRY	-	-	-	-	-	-	-	-	-	-	-
7-Dec-10	DRY	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	DRY	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	DRY	-	-	-	-	-	-	-	-	-	-	-
19-Jun-12	DRY	-	-	-	-	-	-	-	-	-	-	-
11-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	< 0.005	71.8	0.029	-	-	7.20	51.6	-	-	-	-	-
11-Dec-13	DRY	-	-	-	-	-	-	-	-	-	-	-
16-Jun-14	< 0.005	74.3	0.353	< 0.0002	< 0.040	7.80	55.8	< 0.010	< 0.010	< 0.010	< 0.050	0.550
8-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	0.006	67.0	0.188	-	-	4.20	51.3	-	-	-	-	-
15-Dec-15	DRY	-	-	-	-	-	-	-	-	-	-	-
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	DRY	-	-	-	-	-	-	-	-	-	-	-
21-Jun-17	< 0.005	64.8	0.425	-	-	9.60	49.7	-	-	-	-	-
13-Dec-17	< 0.005	60.6	0.298	-	-	8.90	49.2	-	-	-	-	-
19-Jun-18	< 0.005	53.4	0.208	< 0.0002	< 0.040	5.02	45.2	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
12-Dec-18	< 0.005	52.9	0.155	-	-	5.20	43.7	-	-	-	-	-
18-Jun-19	< 0.005	52.6	0.193	-	-	4.60	44.3	-	-	-	-	-
19-Dec-19	< 0.005	44.5	0.107	< 0.0002	< 0.040	3.37	30.7	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
23-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-	-
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	< 0.005	55.7	0.115	-	-	4.40	43.4	-	-	-	-	-
23-Jun-22	DRY	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	DRY	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS											
GROUNDWATER UPPER AQUIFER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1.0	0.003	0.005	-	0.05	0.005	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> PW-8											
2-Jun-99	-	-	-	-	-	-	-	-	-	-	-
19-Sep-99	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-
5-Apr-00	-	-	-	-	-	-	-	-	-	-	-
12-Jun-00	-	-	-	-	-	-	-	-	-	-	-
19-Sep-00	-	-	-	-	-	-	-	-	-	-	-
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	-	-	-	-	-	-	-	-	-	-	-
3-Dec-01	-	-	-	-	-	-	-	-	-	-	-
4-Jun-02	-	-	-	-	-	-	-	-	-	-	-
26-Jun-03	-	-	-	-	-	-	-	-	-	-	-
10-Dec-03	-	-	-	-	-	-	-	-	-	-	-
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	DRY	-	-	-	-	-	-	-	-	-	-
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-
8-Dec-08	DRY	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	DRY	-	-	-	-	-	-	-	-	-	-
8-Jun-10	DRY	-	-	-	-	-	-	-	-	-	-
7-Dec-10	DRY	-	-	-	-	-	-	-	-	-	-
7-Jun-11	DRY	-	-	-	-	-	-	-	-	-	-
12-Dec-11	DRY	-	-	-	-	-	-	-	-	-	-
19-Jun-12	DRY	-	-	-	-	-	-	-	-	-	-
11-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	DRY	-	-	-	-	-	-	-	-	-	-
16-Jun-14	-	-	-	-	-	-	-	-	-	-	-
8-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-
15-Dec-15	DRY	-	-	-	-	-	-	-	-	-	-
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-
14-Dec-16	DRY	-	-	-	-	-	-	-	-	-	-
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	DRY	-	-	-	-	-	-	-	-	-	-
13-Dec-22	DRY	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS												
GROUNDWATER UPPER AQUIFER	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35.0	0.30	0.0007	0.1	-	20	0.01	0.05	-	0.014	2
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> PW-8												
2-Jun-99	-	-	-	-	-	-	-	-	-	-	-	-
19-Sep-99	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
5-Apr-00	-	-	-	-	-	-	-	-	-	-	-	-
12-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-
19-Sep-00	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	-	-	-	-	-	-	-	-	-	-	-	-
3-Dec-01	-	-	-	-	-	-	-	-	-	-	-	-
4-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-03	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	DRY	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-08	DRY	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	DRY	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	DRY	-	-	-	-	-	-	-	-	-	-	-
7-Dec-10	DRY	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	DRY	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	DRY	-	-	-	-	-	-	-	-	-	-	-
19-Jun-12	DRY	-	-	-	-	-	-	-	-	-	-	-
11-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	DRY	-	-	-	-	-	-	-	-	-	-	-
16-Jun-14	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-15	DRY	-	-	-	-	-	-	-	-	-	-	-
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	DRY	-	-	-	-	-	-	-	-	-	-	-
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-	-
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	DRY	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	DRY	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											
	Acetone (ug/l)	Benzene (ug/l)	Bromo- dichloro- methane (ug/l)	Bromo- form (ug/l)	Bromo- methane (ug/l)	2-Butanone (MEK) (ug/l)	Carbon Disulfide (ug/l)	Carbon- Tetra- chloride (ug/l)	Chloro- benzene (ug/l)	Chloro- ethane (ug/l)	Chloro- form (ug/l)	Chloro- methane (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	1	50	50	5	50	60	5	5	5	7	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> PW-8												
2-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	30.0	ND	ND
19-Sep-99	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5	ND	ND
5-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-
19-Sep-00	180.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Dec-01	-	-	-	-	-	-	-	-	-	-	-	-
4-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-06	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	DRY	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-08	DRY	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	DRY	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	DRY	-	-	-	-	-	-	-	-	-	-	-
7-Dec-10	DRY	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	DRY	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	DRY	-	-	-	-	-	-	-	-	-	-	-
19-Jun-12	DRY	-	-	-	-	-	-	-	-	-	-	-
11-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	DRY	-	-	-	-	-	-	-	-	-	-	-
16-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
15-Dec-15	DRY	-	-	-	-	-	-	-	-	-	-	-
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	DRY	-	-	-	-	-	-	-	-	-	-	-
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-	-
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	DRY	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	DRY	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	Dibromo- chloro- methane (ug/l)	Dichloro- difluoro- methane (ug/l)	1,1- Dichloro- ethane (ug/l)	1,2- Dichloro- ethane (ug/l)	1,1- Dichloro- ethene (ug/l)	Cis-1,2- Dichloro- ethene (ug/l)	Trans-1,2- Dichloro- ethene (ug/l)	1,2- Dichloro- propane (ug/l)	Cis-1,3- Dichloro- propene (ug/l)	Trans-1,3- Dichloro- propene (ug/l)	Ethyl- benzene (ug/l)	2- Hexanone (ug/l)	Methylene- Chloride (ug/l)
	6NYCRR Part 703 GROUNDWATER STANDARD	50	5	5	0.6	5	5	5	1	0.4	0.4	5	50
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well PW-8</i>													
2-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19-Sep-99	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	ND	ND	ND	ND	ND	7.9	ND	ND	ND	ND	ND	ND	ND
5-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Sep-00	ND	ND	ND	ND	ND	5.9	ND	ND	ND	ND	ND	ND	ND
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Dec-01	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-06	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	DRY	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-08	DRY	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	DRY	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	DRY	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-10	DRY	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	DRY	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-11	DRY	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-12	DRY	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	DRY	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
15-Dec-15	DRY	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	DRY	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	DRY	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	DRY	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	4-Methyl-	1,1,2,2-	Tetra-		1,1,1-	1,1,2-	Trichloro-	Vinyl	O-	M & P-	SUM OF
	Pentanone (ug/l)	Styrene (ug/l)	Tetrachloro- ethane (ug/l)	chloro- ethene (ug/l)	Toluene (ug/l)	Trichloro- ethane (ug/l)	ethane (ug/l)	Chloride (ug/l)	Xylene (ug/l)	Xylene (ug/l)	ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well PW-8</i>											
2-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30.0
19-Sep-99	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	ND	ND	ND	ND	ND	ND	ND	5.3	ND	ND	18.7
5-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
12-Jun-00	-	-	-	-	-	-	-	-	-	-	-
19-Sep-00	ND	ND	ND	5.0	ND	ND	ND	ND	ND	ND	190.9
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
3-Dec-01	-	-	-	-	-	-	-	-	-	-	-
4-Jun-02	-	-	-	-	-	-	-	-	-	-	-
26-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
10-Dec-03	-	-	-	-	-	-	-	-	-	-	-
24-Jun-04	-	-	-	-	-	-	-	-	-	-	0
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	DRY	-	-	-	-	-	-	-	-	-	-
19-Jun-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-08	DRY	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	DRY	-	-	-	-	-	-	-	-	-	-
8-Jun-10	DRY	-	-	-	-	-	-	-	-	-	-
7-Dec-10	DRY	-	-	-	-	-	-	-	-	-	-
7-Jun-11	DRY	-	-	-	-	-	-	-	-	-	-
12-Dec-11	DRY	-	-	-	-	-	-	-	-	-	-
19-Jun-12	DRY	-	-	-	-	-	-	-	-	-	-
11-Dec-12	DRY	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	DRY	-	-	-	-	-	-	-	-	-	-
16-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-14	DRY	-	-	-	-	-	-	-	-	-	-
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
15-Dec-15	DRY	-	-	-	-	-	-	-	-	-	-
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-
14-Dec-16	DRY	-	-	-	-	-	-	-	-	-	-
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-
7-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	DRY	-	-	-	-	-	-	-	-	-	-
13-Dec-22	DRY	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER UPPER AQUIFER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP. (deg.F)	Eh (mV)	DISS OX (mg/L)	pH (Std units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Pt/Cl)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	6.5 -- 8.5	-	-	-	-	-	500	250	250
TRIGGER VALUES	64	389	176	10.4	5152	136	-	1501	1000	2783	1161.5	142
<i>Monitoring Well PW-10</i>												
2-Jun-99	59.51	-117.7	27.95	6.82	3521	16.8	30	569	862	2180	995.0	ND
16-Sep-99	53.25	-95.8	3.05	7.01	3510	97.8	-	614	720	2120	880.0	ND
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
5-Apr-00	47.90	-81.2	23.90	7.03	3442	10.1	150	725	660	2110	862.0	ND
13-Jun-00	56.50	-130.9	4.15	6.51	3264	11.7	-	833	700	2040	803.0	ND
20-Sep-00	54.36	-80.6	31.89	5.88	2101	8.8	150	807	640	1570	482.0	ND
11-Dec-00	49.57	-120.2	96.20	6.95	2196	37.0	-	675	640	1890	801.0	7.1
21-Mar-01	46.13	-58.6	13.68	6.94	3076	3.1	-	720	580	1790	739.0	ND
19-Jun-01	54.30	-144.9	65.50	6.84	2987	81.9	50	747	664	1830	718.0	ND
3-Dec-01	52.10	-391.8	-2.76	6.69	3039	41.0	-	730	610	1750	630.0	ND
4-Jun-02	50.70	45.0	0.81	6.65	3680	30.8	-	740	609	1920	769.0	ND
09-Dec-02	9.90	-152.0	2.15	6.63	3.3	49.9	30	771	615	1790	665.0	ND
25-Jun-03	50.76	-40.2	-0.07	6.18	1666	16.5	15	723	700	1100	178.0	62.6
11-Dec-03	50.50	-	0.70	6.98	1428	0.3	30	770	615	1320	364.0	7.3
22-Jun-04	56.48	-147.0	0.25	7.02	1480	14.0	80	675	630	794	28.4	45.8
8-Dec-04	51.26	-98.0	-	6.75	1735	2.6	-	680	665	733	39.3	54.1
23-Jun-05	62.24	-85.0	1.20	6.92	1475	18.3	< -	405	360	418	2.7	< 2.0
7-Dec-05	43.88	-106.0	0.41	7.11	1960	6.5	75	700	626	1130	273.0	16.9
20-Jun-06	54.32	-137.0	0.26	6.63	1495	4.9	50	653	519	882	109.0	44.0
6-Dec-06	48.56	-70.0	0.44	6.71	1772	1.9	-	668	642	1010	176.0	38.8
28-Jun-07	58.60	-113.0	0.38	7.00	1512	8.4	-	680	585	861	98.3	14.5
11-Dec-07	48.02	-103.0	0.45	6.71	1835	4.2	100	708	622	1020	161.0	73.5
18-Jun-08	50.00	-81.0	0.42	7.06	1050	4.5	20	490	500	618	44.9	37.9
10-Dec-08	46.40	-3.0	0.36	7.00	1550	2.4	-	630	588	839	117.0	44.7
8-Jun-09	51.80	-75.0	0.37	6.72	955	16.0	-	430	438	566	41.6	45.1
8-Dec-09	46.58	-185.0	0.48	6.86	1299	1.8	100	650	522	800	99.8	22.1
8-Jun-10	51.98	-86.0	0.47	7.06	835	17.7	10	478	504	559	23.4	46.4
8-Dec-10	46.22	-35.0	0.71	6.40	999	1.6	-	499	582	586	32.9	30.7
7-Jun-11	53.24	189.0	1.01	6.58	700	11.2	-	377	361	407	13.2	11.8
13-Dec-11	49.46	94.0	2.28	7.28	800	7.5	2	400	400	432	18.4	19.3
19-Jun-12	51.98	108.0	2.35	6.99	885	2.0	6	402	415	454	19.6	21.7
11-Dec-12	47.12	96.0	2.09	6.90	1073	3.1	-	544	590	605	30.9	26.0
18-Jun-13	50.54	95.0	7.89	6.93	795	1.6	-	421	425	442	11.1	22.9
10-Dec-13	49.46	141.0	2.06	7.37	900	7.2	12	425	450	459	23.6	20.5
17-Jun-14	54.14	106.0	2.56	6.91	702	4.0	7	370	369	357	5.1	6.9
8-Dec-14	43.52	-32.0	1.10	6.86	900	6.5	-	444	462	502	29.3	17.8
16-Jun-15	49.46	104.0	3.92	6.96	686	11.8	-	350	367	384	16.8	9.6
15-Dec-15	50.54	157.0	6.00	7.05	770	1.1	11	412	402	435	13.6	12.6
22-Jun-16	51.44	210.0	4.22	7.20	750	6.0	10	387	381	415	14.6	13.8
13-Dec-16	49.46	93.0	3.63	7.20	615	10.1	13	306	298	330	11.0	7.5
20-Jun-17	50.00	163.0	4.88	7.33	663	3.7	-	351	346	353	10.6	4.5
12-Dec-17	48.38	112.0	5.01	7.22	670	13.7	-	339	387	355	15.0	6.2
19-Jun-18	46.40	108.0	7.92	7.13	670	2.2	14	364	352	367	7.3	6.9
11-Dec-18	47.84	125.0	5.01	7.36	790	4.0	-	378	411	409	8.1	< 2.0
18-Jun-19	50.00	78.0	8.76	7.35	738	5.9	-	384	429	424	5.7	< 2.0
18-Dec-19	49.10	285.0	5.10	7.35	640	7.6	14	315	327	366	13.7	10.5
22-Jun-20	50.18	40.0	6.93	7.41	647	2.7	10	344	349	382	6.2	3.8
7-Dec-20	46.22	62.0	2.17	7.12	789	8.9	-	397	406	461	27.8	9.6
24-Jun-21	53.60	79.0	5.89	7.19	694	11.5	-	386	366	382	9.4	3.9
20-Dec-21	50.00	82.0	6.05	7.25	726	0.1	8	376	373	388	23.1	3.6
22-Jun-22	53.24	100.0	4.72	7.15	702	0.2	1	381	358	383	11.1	5.9
13-Dec-22	48.74	80.0	7.88	7.22	762	1.5	-	392	386	422	23.7	5.9

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS

GROUNDWATER UPPER AQUIFER	INORGANIC PARAMETERS										
	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	2	1	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	2.3	0.9	0.01	2.8	66	71	127.7	37.98	39.6	0.0053	-
<i>Monitoring Well PW-10</i>											
2-Jun-99	1.12	0.26	ND	ND	0.06	2.220	53.80	16.10	15.00	ND	ND
16-Sep-99	1.14	-	-	ND	0.07	1.740	51.60	30.40	13.80	ND	-
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-
5-Apr-00	ND	0.40	ND	ND	0.15	1.370	54.00	14.40	15.40	0.005	ND
13-Jun-00	1.13	-	-	ND	0.09	1.790	77.80	37.40	23.70	0.005	-
20-Sep-00	ND	0.24	ND	ND	0.40	1.890	58.40	23.30	22.20	ND	ND
11-Dec-00	ND	-	-	ND	0.33	1.290	51.90	18.00	15.50	0.005	-
21-Mar-01	ND	-	-	ND	0.66	1.710	40.40	13.50	12.10	ND	-
19-Jun-01	ND	0.28	ND	ND	0.52	1.970	59.40	28.10	16.60	ND	ND
3-Dec-01	ND	-	-	ND	0.75	1.900	41.20	26.90	11.90	ND	-
4-Jun-02	ND	-	-	ND	0.61	1.840	45.7	16.6	14.60	0.007	-
09-Dec-02	ND	0.32	ND	ND	0.85	2.210	45.40	7.75	15.00	0.006	ND
25-Jun-03	ND	ND	ND	ND	1.36	2.510	8.97	18.90	11.00	ND	ND
11-Dec-03	ND	0.20	ND	ND	1.59	3.320	30.10	11.60	10.20	ND	ND
22-Jun-04	-	-	-	-	0.25	2.180	76.60	24.80	25.90	-	-
8-Dec-04	< 1.00	-	-	< 0.50	1.87	3.860	85.00	18.00	13.30	< 0.005	-
23-Jun-05	< 1.00	-	-	< 0.50	0.55	0.566	6.11	< 2.00	1.75	< 0.005	-
7-Dec-05	< 1.00	< 0.10	< 0.01	< 0.50	3.10	3.690	33.90	11.70	9.79	< 0.005	< 0.010
20-Jun-06	1.21	< 0.20	0.01	< 0.50	2.25	3.040	24.60	5.28	6.56	< 0.005	< 0.010
6-Dec-06	< 1.00	-	-	< 0.50	2.53	3.360	15.90	14.00	6.61	< 0.005	-
28-Jun-07	< 1.00	-	-	< 0.50	2.73	4.380	37.80	5.94	10.50	< 0.005	-
11-Dec-07	< 1.00	< 0.20	< 0.01	< 0.50	2.98	4.300	22.20	4.18	7.46	< 0.005	< 0.010
18-Jun-08	< 1.00	< 0.20	< 0.01	< 0.50	0.96	1.990	13.30	3.45	5.54	< 0.005	< 0.010
10-Dec-08	< 1.00	-	-	0.63	1.76	2.990	17.60	5.67	5.77	< 0.005	-
8-Jun-09	< 1.00	-	-	< 0.50	0.38	0.730	5.10	2.20	4.50	< 0.005	-
8-Dec-09	< 1.00	< 0.20	< 0.01	< 0.50	4.00	4.480	8.80	14.00	6.90	< 0.005	< 0.010
8-Jun-10	< 1.00	< 0.20	< 0.01	< 0.50	0.26	0.640	11.20	< 2.00	4.90	< 0.005	< 0.010
8-Dec-10	< 1.00	-	-	< 1.00	0.22	0.430	11.10	< 2.00	4.30	< 0.005	-
7-Jun-11	< 1.00	-	-	< 1.00	< 0.05	0.240	6.00	< 2.00	3.60	< 0.005	-
13-Dec-11	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	8.80	< 2.00	3.90	< 0.005	< 0.010
19-Jun-12	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.310	11.90	< 2.00	3.50	< 0.005	< 0.010
11-Dec-12	< 1.00	-	-	1.50	< 0.05	0.29	5.70	< 2.00	3.50	< 0.005	-
18-Jun-13	< 1.00	-	-	< 1.00	< 0.05	0.25	< 5.00	< 2.00	3.10	< 0.005	-
10-Dec-13	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.24	< 5.00	< 2.00	3.50	< 0.005	< 0.010
17-Jun-14	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.26	< 5.00	< 2.00	3.60	< 0.005	< 0.010
8-Dec-14	< 1.00	-	-	1.20	< 0.05	0.29	< 5.00	< 2.00	3.30	< 0.005	-
16-Jun-15	< 1.00	-	-	< 1.00	< 0.05	0.29	11.30	< 2.00	3.30	< 0.005	-
15-Dec-15	< 1.00	< 0.20	< 0.01	1.20	< 0.05	0.42	< 5.00	< 2.00	2.90	< 0.005	< 0.010
22-Jun-16	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.30	< 5.00	< 2.00	3.10	< 0.005	< 0.010
13-Dec-16	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.28	< 5.00	< 2.00	3.60	< 0.005	< 0.010
20-Jun-17	< 1.00	-	-	< 1.00	0.10	0.42	9.50	< 2.00	2.80	< 0.005	-
12-Dec-17	< 1.00	-	-	< 1.00	< 0.05	0.21	< 5.00	< 2.00	3.30	< 0.005	-
19-Jun-18	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.29	< 5.00	< 2.00	9.10	< 0.005	< 0.010
11-Dec-18	< 1.00	-	-	< 1.00	< 0.05	0.24	5.80	< 2.00	3.40	< 0.005	-
18-Jun-19	< 1.00	-	-	< 1.00	< 0.05	0.20	6.80	< 2.00	3.40	< 0.005	-
18-Dec-19	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.20	10.10	< 2.00	2.90	< 0.005	< 0.005
22-Jun-20	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.20	16.60	< 2.00	2.60	< 0.005	< 0.005
7-Dec-20	< 1.00	-	-	< 1.00	0.12	0.23	6.60	< 2.00	2.60	< 0.005	-
24-Jun-21	< 1.00	-	-	< 1.00	< 0.05	0.32	10.00	< 2.00	3.20	< 0.005	-
20-Dec-21	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	0.240	< 5.00	< 2.00	2.70	< 0.005	< 0.005
22-Jun-22	< 1.00	< 0.20	< 0.01	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	2.10	< 0.005	< 0.005
13-Dec-22	< 1.00	-	-	1.10	< 0.05	0.52	5.60	< 2.00	2.60	< 0.005	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS											
GROUNDWATER UPPER AQUIFER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.30
TRIGGER VALUES	3.9	-	0.033	3.0	-	-	199.62	0.02	-	-	34.3
<i>Monitoring Well PW-10</i>											
2-Jun-99	9.230	ND	ND	0.705	ND	ND	154.0	0.021	ND	0.029	32.0
16-Sep-99	-	-	-	-	-	ND	123.0	-	-	-	23.2
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-
5-Apr-00	0.121	ND	ND	0.718	ND	ND	126.0	ND	ND	ND	33.5
13-Jun-00	-	-	-	-	-	ND	131.0	-	-	-	28.7
20-Sep-00	ND	ND	0.021	0.408	ND	ND	122.0	ND	ND	ND	35.9
11-Dec-00	-	-	-	-	-	ND	118.0	-	-	-	24.0
21-Mar-01	-	-	-	-	-	ND	119.0	-	-	-	28.2
19-Jun-01	ND	ND	ND	0.636	ND	ND	133.0	ND	ND	ND	25.2
3-Dec-01	-	-	-	-	-	ND	114.0	-	-	-	21.7
4-Jun-02	-	-	-	-	-	ND	121.0	-	-	-	22.5
09-Dec-02	ND	ND	0.025	0.711	ND	ND	117.0	ND	ND	ND	20.5
25-Jun-03	ND	ND	0.019	0.378	ND	ND	174.0	ND	ND	ND	18.9
11-Dec-03	ND	ND	0.026	0.621	ND	ND	144.0	ND	ND	ND	19.4
22-Jun-04	-	-	-	0.167	-	-	177.0	-	-	-	11.6
8-Dec-04	-	-	-	-	-	< 0.005	188.0	-	-	-	29.7
23-Jun-05	-	-	-	-	-	< 0.005	94.5	-	-	-	0.5
7-Dec-05	< 0.200	< 0.060	0.032	0.506	< 0.005	< 0.005	160.0	< 0.010	< 0.010	< 0.010	19.5
20-Jun-06	< 0.100	< 0.060	0.010	0.290	< 0.005	< 0.005	160.0	< 0.010	< 0.050	< 0.020	12.2
6-Dec-06	-	-	-	-	-	< 0.005	153.0	-	-	-	14.6
28-Jun-07	-	-	-	-	-	< 0.005	156.0	-	-	-	9.1
11-Dec-07	0.146	< 0.060	0.019	0.366	< 0.005	< 0.005	157.0	< 0.010	< 0.050	< 0.020	16.4
18-Jun-08	< 0.100	< 0.060	< 0.100	0.165	< 0.005	< 0.005	140.0	< 0.010	< 0.050	< 0.020	3.5
10-Dec-08	-	-	-	-	-	< 0.005	154.0	-	-	-	7.7
8-Jun-09	-	-	-	-	-	< 0.005	128.0	-	-	-	3.3
8-Dec-09	< 0.100	< 0.060	0.019	0.375	< 0.005	< 0.005	128.0	< 0.010	< 0.050	< 0.020	6.7
8-Jun-10	< 0.100	< 0.060	< 0.100	0.148	< 0.005	< 0.005	130.0	< 0.010	< 0.050	< 0.020	3.6
8-Dec-10	-	-	-	-	-	< 0.005	121.0	-	-	-	1.6
7-Jun-11	-	-	-	-	-	< 0.005	90.2	-	-	-	0.1
13-Dec-11	< 0.100	< 0.060	< 0.010	0.135	< 0.005	< 0.005	101.0	< 0.010	< 0.050	< 0.020	0.4
19-Jun-12	< 0.100	< 0.060	< 0.010	0.126	< 0.005	< 0.005	96.5	< 0.010	< 0.050	< 0.020	0.2
11-Dec-12	-	-	-	-	-	< 0.005	138.0	-	-	-	0.2
18-Jun-13	-	-	-	-	-	< 0.005	94.5	-	-	-	< 0.1
10-Dec-13	< 0.100	< 0.060	< 0.010	0.132	< 0.003	< 0.005	93.3	< 0.010	< 0.050	< 0.020	0.2
17-Jun-14	0.110	< 0.060	< 0.010	0.109	< 0.003	< 0.005	89.5	< 0.010	< 0.050	< 0.020	0.3
8-Dec-14	-	-	-	-	-	< 0.005	112.0	-	-	-	1.4
16-Jun-15	-	-	-	-	-	< 0.005	86.6	-	-	-	0.3
15-Dec-15	0.104	< 0.060	< 0.010	0.134	< 0.003	< 0.005	102.0	< 0.010	< 0.050	< 0.020	0.3
22-Jun-16	0.230	< 0.060	< 0.010	0.109	< 0.003	< 0.005	95.4	< 0.010	< 0.050	< 0.020	0.4
13-Dec-16	0.160	< 0.060	< 0.010	0.096	< 0.003	< 0.005	70.3	< 0.010	< 0.050	< 0.020	0.4
20-Jun-17	-	-	-	-	-	< 0.005	81.1	-	-	-	0.4
12-Dec-17	-	-	-	-	-	< 0.005	92.4	-	-	-	2.3
19-Jun-18	0.232	< 0.060	< 0.010	0.105	< 0.003	< 0.005	81.5	< 0.010	< 0.050	< 0.020	0.2
11-Dec-18	-	-	-	-	-	< 0.005	94.7	-	-	-	< 0.1
18-Jun-19	-	-	-	-	-	< 0.005	98.0	-	-	-	0.4
18-Dec-19	< 0.100	< 0.060	< 0.010	0.144	< 0.003	< 0.005	77.0	< 0.010	< 0.050	< 0.020	0.1
22-Jun-20	0.100	< 0.060	< 0.010	0.097	< 0.003	< 0.005	79.7	< 0.010	< 0.050	< 0.020	0.2
7-Dec-20	-	-	-	-	-	< 0.005	93.6	-	-	-	0.5
24-Jun-21	-	-	-	-	-	< 0.005	84.4	-	-	-	0.3
20-Dec-21	0.100	< 0.060	< 0.010	0.123	< 0.003	< 0.005	89.0	< 0.010	< 0.050	< 0.020	< 0.1
22-Jun-22	< 0.100	< 0.060	< 0.010	0.099	< 0.003	< 0.005	83.3	< 0.010	< 0.050	< 0.020	< 0.1
13-Dec-22	-	-	-	-	-	< 0.005	90.7	-	-	-	< 0.1

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS

GROUNDWATER UPPER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	TI	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	0.0005	0.014	2
TRIGGER VALUES	0.007	147	1.5	-	0.08	59	911.62	0.013	-	-	-	0.06
<i>Monitoring Well PW-10</i>												
2-Jun-99	ND	84.5	0.609	ND	ND	9.64	524.0	ND	ND	ND	ND	0.1
16-Sep-99	ND	77.1	0.284	-	-	8.40	559.0	-	-	-	-	-
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
5-Apr-00	ND	76.7	0.214	ND	ND	6.02	579.0	0.011	ND	ND	ND	ND
13-Jun-00	ND	78.6	0.304	-	-	5.16	578.0	-	-	-	-	-
20-Sep-00	ND	72.8	0.260	ND	ND	4.60	349.0	0.006	ND	ND	ND	ND
11-Dec-00	ND	72.7	0.097	-	-	4.64	493.0	-	-	-	-	-
21-Mar-01	ND	72.7	0.100	-	-	3.70	522.0	-	-	-	-	-
19-Jun-01	ND	76.7	0.207	ND	ND	6.15	482.0	ND	ND	ND	ND	ND
3-Dec-01	ND	68.0	0.079	-	-	3.27	422.0	-	-	-	-	-
4-Jun-02	ND	66.4	0.091	-	-	4.17	490.0	-	-	-	-	-
09-Dec-02	ND	70.0	0.086	ND	ND	3.79	529.0	ND	ND	ND	ND	ND
25-Jun-03	ND	51.5	0.913	ND	ND	3.87	148.0	ND	ND	ND	ND	ND
11-Dec-03	ND	57.0	0.250	ND	ND	3.81	311.0	ND	ND	ND	ND	ND
22-Jun-04	-	43.7	1.790	-	-	4.32	54.4	-	-	-	-	-
8-Dec-04	< 0.005	47.6	0.610	-	-	3.94	127.0	-	-	-	-	-
23-Jun-05	< 0.005	35.4	0.096	-	-	< 2.00	19.7	-	-	-	-	-
7-Dec-05	< 0.005	46.0	0.447	< 0.0003	< 0.04	3.99	224.0	< 0.005	< 0.010	< 0.006	< 0.010	0.024
20-Jun-06	< 0.005	38.1	0.824	< 0.0003	< 0.04	3.43	124.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
6-Dec-06	< 0.005	45.2	0.448	-	-	3.32	192.0	-	-	-	-	-
28-Jun-07	< 0.005	42.8	0.633	-	-	3.33	118.0	-	-	-	-	-
11-Dec-07	< 0.005	46.7	0.658	< 0.0003	< 0.04	3.60	171.0	< 0.010	< 0.010	< 0.010	< 0.050	0.034
18-Jun-08	< 0.005	27.8	0.732	< 0.0003	< 0.04	2.93	46.9	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
10-Dec-08	< 0.005	39.4	0.554	-	-	3.17	112.0	-	-	-	-	-
8-Jun-09	< 0.005	26.6	0.557	-	-	2.20	41.4	-	-	-	-	-
8-Dec-09	< 0.005	37.7	0.400	< 0.0003	< 0.04	3.60	136.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Jun-10	< 0.005	32.2	0.168	< 0.0003	< 0.04	< 2.00	31.7	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Dec-10	< 0.005	29.0	0.058	-	-	< 2.00	24.7	-	-	-	-	-
7-Jun-11	< 0.005	31.1	0.054	-	-	< 2.00	18.1	-	-	-	-	-
13-Dec-11	< 0.005	34.5	0.011	< 0.0002	< 0.04	< 2.00	19.2	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
19-Jun-12	< 0.005	40.7	0.038	< 0.0002	< 0.04	2.10	25.9	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
11-Dec-12	< 0.005	57.1	0.011	-	-	2.80	26.6	-	-	-	-	-
18-Jun-13	< 0.005	41.7	< 0.010	-	-	2.10	18.3	-	-	-	-	-
10-Dec-13	< 0.005	41.3	0.013	< 0.0002	< 0.04	2.50	20.2	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
17-Jun-14	< 0.005	38.3	< 0.010	< 0.0002	< 0.04	2.30	13.6	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Dec-14	< 0.005	45.6	0.083	-	-	2.80	22.8	-	-	-	-	-
16-Jun-15	< 0.005	33.8	0.019	-	-	2.50	16.1	-	-	-	-	-
15-Dec-15	< 0.005	35.6	0.015	< 0.0002	< 0.04	3.03	17.2	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
22-Jun-16	< 0.005	34.6	0.019	< 0.0002	< 0.04	2.70	18.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
13-Dec-16	< 0.005	29.7	0.010	< 0.0002	< 0.04	2.50	14.5	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
20-Jun-17	< 0.005	34.9	0.015	-	-	2.50	11.9	-	-	-	-	-
12-Dec-17	< 0.005	38.1	0.087	-	-	3.70	11.6	-	-	-	-	-
19-Jun-18	< 0.005	36.0	0.013	< 0.0002	< 0.04	2.28	13.2	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
11-Dec-18	< 0.005	42.5	< 0.010	-	-	2.70	12.2	-	-	-	-	-
18-Jun-19	< 0.005	44.8	0.016	-	-	3.10	13.9	-	-	-	-	-
18-Dec-19	< 0.005	32.8	0.010	< 0.0002	< 0.04	2.32	13.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
22-Jun-20	< 0.005	36.4	0.009	< 0.0002	< 0.04	2.53	13.1	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
7-Dec-20	< 0.005	41.9	0.064	-	-	3.10	31.7	-	-	-	-	-
24-Jun-21	< 0.005	37.8	0.014	-	-	2.40	13.8	-	-	-	-	-
20-Dec-21	< 0.005	36.6	< 0.010	< 0.0002	< 0.040	2.88	12.4	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
22-Jun-22	< 0.005	36.5	< 0.010	< 0.0002	< 0.040	2.32	14.5	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
13-Dec-22	< 0.005	38.7	< 0.010	-	-	2.90	17.1	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1.0	0.003	0.005	-	0.05	0.005	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> PW-10											
2-Jun-99	-	-	-	-	-	-	-	-	-	-	-
16-Sep-99	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-
5-Apr-00	-	-	-	-	-	-	-	-	-	-	-
13-Jun-00	-	-	-	-	-	-	-	-	-	-	-
20-Sep-00	-	-	-	-	-	-	-	-	-	-	-
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-
21-Mar-01	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	-	-	-	-	-	-	-	-	-	-	-
3-Dec-01	-	-	-	-	-	-	-	-	-	-	-
4-Jun-02	-	-	-	-	-	-	-	-	-	-	-
09-Dec-02	-	-	-	-	-	-	-	-	-	-	-
25-Jun-03	-	-	-	-	-	-	-	-	-	-	-
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-
22-Jun-04	-	-	-	-	-	-	-	-	-	-	-
8-Dec-04	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-
7-Dec-05	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-
6-Dec-06	-	-	-	-	-	-	-	-	-	-	-
28-Jun-07	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-
18-Jun-08	-	-	-	-	-	-	-	-	-	-	-
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-
8-Jun-09	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	-	-	-	-	-	-	-	-	-	-	-
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-
19-Jun-12	-	-	-	-	-	-	-	-	-	-	-
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-
10-Dec-13	-	-	-	-	-	-	-	-	-	-	-
17-Jun-14	-	-	-	-	-	-	-	-	-	-	-
8-Dec-14	-	-	-	-	-	-	-	-	-	-	-
16-Jun-15	-	-	-	-	-	-	-	-	-	-	-
15-Dec-15	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-
13-Dec-16	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	-	-	-	-	-	-	-	-	-	-	-
22-Jun-20	-	-	-	-	-	-	-	-	-	-	-
7-Dec-20	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	-	-	-	-	-	-	-	-	-	-	-
22-Jun-22	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER UPPER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	Tl	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	-	0.014	2
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> PW-10												
2-Jun-99	-	-	-	-	-	-	-	-	-	-	-	-
16-Sep-99	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
5-Apr-00	-	-	-	-	-	-	-	-	-	-	-	-
13-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Sep-00	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-	-
21-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	-	-	-	-	-	-	-	-	-	-	-	-
3-Dec-01	-	-	-	-	-	-	-	-	-	-	-	-
4-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
09-Dec-02	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-03	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
28-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-12	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-13	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-14	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-14	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-15	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-15	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-16	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											
	Acetone (ug/l)	Benzene (ug/l)	Bromo-dichloro-methane (ug/l)	Bromo-form (ug/l)	Bromo-methane (ug/l)	2-Butanone (MEK) (ug/l)	Carbon Disulfide (ug/l)	Carbon-Tetra-chloride (ug/l)	Chloro-benzene (ug/l)	Chloro-ethane (ug/l)	Chloro-form (ug/l)	Chloro-methane (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	1	50	50	5	50	60	5	5	5	7	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well PW-10</i>												
2-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.3	ND	ND
16-Sep-99	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
5-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Sep-00	21.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-	-
21-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Dec-01	-	-	-	-	-	-	-	-	-	-	-	-
4-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
09-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
25-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11-Dec-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22-Jun-04	20.0	-	-	-	-	-	-	-	-	-	-	-
8-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-05	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-06	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
6-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
28-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
18-Jun-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Jun-10	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
19-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
17-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
16-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
15-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
13-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
7-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	Dibromo- chloro- methane (ug/l)	Dichloro- difluoro- methane (ug/l)	1,1- Dichloro- ethane (ug/l)	1,2- Dichloro- ethane (ug/l)	1,1- Dichloro- ethene (ug/l)	Cis-1,2- Dichloro- ethene (ug/l)	Trans-1,2- Dichloro- ethene (ug/l)	1,2- Dichloro- propane (ug/l)	Cis-1,3- Dichloro- propene (ug/l)	Trans-1,3- Dichloro- propene (ug/l)	Ethyl- benzene (ug/l)	2- Hexanone (ug/l)	Methylene- Chloride (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	5	5	0.6	5	5	5	1	0.4	0.4	5	50	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well PW-10</i>													
2-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16-Sep-99	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-	-
5-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Dec-01	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-	-
09-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
25-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11-Dec-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-05	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-06	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
6-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-	-
28-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
18-Jun-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Jun-10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
19-Jun-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
17-Jun-14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-14	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
16-Jun-15	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
15-Dec-15	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
13-Dec-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-20	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
7-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-22	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER UPPER AQUIFER	ORGANIC PARAMETERS (DETECTED)											SUM OF ORGANIC COMPOUNDS (DETECTED)
	4-Methyl- 2- Pentanone (ug/l)	Styrene (ug/l)	1,1,2,2- Tetrachloro- ethane (ug/l)	Tetra- chloro- ethene (ug/l)	Toluene (ug/l)	1,1,1- Trichloro- ethane (ug/l)	1,1,2- Trichloro- ethane (ug/l)	Trichloro- ethene (ug/l)	Vinyl Chloride (ug/l)	O- Xylene (ug/l)	M & P- Xylene (ug/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
<i>Monitoring Well PW-10</i>												
2-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.3
16-Sep-99	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	-	-	-	-	-	-	-	-	-	-	-	-
5-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
13-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.0
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-	-
21-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
3-Dec-01	-	-	-	-	-	-	-	-	-	-	-	-
4-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
09-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
25-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
11-Dec-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
22-Jun-04	-	-	-	-	-	-	-	-	-	-	-	20
8-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-05	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
6-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
28-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
18-Jun-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Jun-10	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
19-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
17-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
16-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
15-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
13-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
7-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
20-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER LOWER AQUIFER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP.	Eh	DISS OX	pH	SP. COND.	TURB.	COLOR	ALK.	HARD.	TDS	Cl	SO4
	(deg. F)	(mV)	(mg/L)	(Std Units)	(US/cm)	(NTU)	(Pt/Cl)	(mg/l CaCO3)	(mg/l CaCO3)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	6.5 -- 8.5	-	-	-	-	-	500	250	250
TRIGGER VALUES	65	276	140	14	6680	651	93	1144	1082	1087	11	5
<i>Monitoring Well</i> MW-4D												
4-Jun-99	60.01	-84.9	-16.97	7.33	1129	11.6	ND	697	112	792	8.23	ND
20-Jun-01	54.20	-109.2	-82.60	7.83	1083	84.3	75	716	101	822	6.15	ND
21-Jun-04	58.46	-60.0	-	7.57	1240	780.0	35	825	367	815	4.86	-
7-Dec-04	48.38	-54.0	-	6.94	1105	288.0	-	735	115	823	5.72	3.0
23-Jun-05	55.58	-145.0	-	7.82	1282	200.0	-	750	142	844	4.62	< 2.0
6-Dec-05	48.74	-81.0	-	7.37	1071	181.0	75	712	238	802	4.51	< 2.0
20-Jun-06	57.02	168.0	-	7.69	1207	50.2	35	712	360	859	4.66	< 2.0
5-Dec-06	44.96	4.0	-	7.64	1214	168.0	-	702	212	802	4.60	< 2.0
27-Jun-07	58.80	-38.0	-	7.92	1226	54.0	-	714	100	806	6.49	< 2.0
11-Dec-07	48.56	-2.0	0.00	7.70	1035	34.5	75	700	154	777	3.22	< 2.0
19-Jun-08	62.42	-116.0	-	7.58	1215	32.2	20	730	260	821	2.75	< 2.0
10-Dec-08	50.72	-65.0	-	7.39	1200	23.0	-	740	124	768	3.76	< 2.0
9-Jun-09	64.76	-111.0	-	7.44	1247	15.6	-	730	78	802	3.60	< 2.0
8-Dec-09	47.66	-78.0	-	7.35	1251	17.7	75	742	84.4	786	4.20	< 2.0
8-Jun-10	57.74	-12.0	-	7.51	1323	19.7	50	744	98	813	4.90	< 2.0
7-Dec-10	42.80	-29.0	-	7.57	1252	34.1	-	722	93.3	797	4.70	< 2.0
8-Jun-11	59.36	-65.0	-	7.06	1210	24.1	-	710	93	810	3.40	< 2.0
13-Dec-11	48.92	32.0	-	7.34	1258	21.9	57	738	80.2	781	3.90	< 2.0
20-Jun-12	57.56	-92.0	-	7.58	1260	27.0	53	702	88.4	825	4.00	< 2.0
12-Dec-12	49.28	-71.0	-	7.41	1198	21.0	-	720	125	793	3.70	< 2.0
18-Jun-13	54.50	-91.0	-	7.48	1262	23.7	-	740	80.3	792	3.30	< 2.0
12-Dec-13	45.14	41.0	-	7.53	1239	24.6	66	724	128	792	3.50	< 2.0
16-Jun-14	54.50	-88.0	-	7.42	1263	29.1	43	710	150	783	3.20	< 2.0
9-Dec-14	49.10	9.0	-	7.49	1217	37.5	-	733	92.6	784	3.30	< 2.0
17-Jun-15	56.30	-145.0	-	7.48	1251	25.9	-	744	717	814	3.70	< 2.0
16-Dec-15	50.00	-33.0	-	7.66	1220	29.5	44	710	78.4	757	2.70	< 2.0
22-Jun-16	55.22	-87.0	-	7.52	1220	22.6	60	720	78.5	822	3.20	< 2.0
14-Dec-16	47.48	-23.0	-	7.56	1227	20.7	115	744	77.2	778	3.80	< 2.0
21-Jun-17	55.22	-56.0	-	7.46	1261	25.7	-	748	79.2	782	3.10	< 2.0
13-Dec-17	50.18	-49.0	-	7.48	1218	21.3	-	719	86.9	766	3.10	< 2.0
19-Jun-18	52.52	-32.0	-	7.52	1210	45.4	150	713	97.4	802	3.00	< 2.0
12-Dec-18	48.74	-66.0	-	7.30	1245	19.0	-	679	78.6	819	2.80	< 2.0
18-Jun-19	52.34	-78.0	-	7.45	1251	12.9	-	670	81.7	821	2.90	< 2.0
19-Dec-19	47.12	-66.0	-	7.36	1197	14.8	200	684	90.3	816	3.20	< 2.0
23-Jun-20	53.78	16.0	-	7.32	1202	27.3	86	672	88.4	798	2.80	< 2.0
8-Dec-20	50.18	-111.0	-	7.44	1211	14.9	-	660	90.5	793	2.90	< 2.0
25-Jun-21	53.24	-95.0	-	7.37	1211	33.7	-	719	96.1	796	< 2.00	< 2.0
21-Dec-21	49.46	169.0	-	7.38	1258	69.7	40	745	95.8	800	3.00	< 2.0
23-Jun-22	54.14	-37.0	-	7.61	1236	22.2	35	741	78.5	820	3.20	< 2.0
13-Dec-22	50.54	42.0	-	7.20	1213	27.6	-	738	115	807	2.70	< 2.0

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER LOWER AQUIFER	INORGANIC PARAMETERS										
	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	2	1	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	-	0.2	-	-	9.7	11	78	61	30.7	0.028	-
<i>Monitoring Well</i> MW-4D											
4-Jun-99	ND	ND	ND	ND	2.77	5.05	63.5	43.8	23.0	ND	ND
20-Jun-01	ND	0.24	ND	ND	2.78	3.74	52.9	46.6	22.0	ND	ND
21-Jun-04	-	0.43	-	-	1.79	3.28	47.5	22.8	16.3	-	-
7-Dec-04	< 1.00	-	-	< 0.50	1.76	7.31	270.0	16.5	19.2	< 0.005	-
23-Jun-05	< 1.00	-	-	< 0.50	2.66	5.10	158.0	14.2	18.3	< 0.005	-
6-Dec-05	< 1.00	0.20	< 0.01	< 0.50	2.72	7.27	63.6	50.8	23.5	0.009	< 0.010
20-Jun-06	1.07	0.27	< 0.01	< 0.50	2.34	6.41	34.7	26.9	12.6	< 0.005	< 0.010
5-Dec-06	< 1.00	0.24	< 0.01	< 0.50	2.32	7.19	46.6	18.6	18.2	0.008	< 0.010
27-Jun-07	< 1.00	-	-	< 0.50	2.61	4.01	29.0	26.8	13.1	< 0.005	-
11-Dec-07	< 1.00	< 0.20	< 0.01	< 0.50	2.48	4.27	79.2	43.3	20.8	< 0.005	< 0.010
19-Jun-08	< 1.00	0.26	< 0.05	< 0.50	1.43	3.41	26.2	54.7	12.4	< 0.005	< 0.010
10-Dec-08	< 1.00	-	-	< 0.50	1.82	4.20	52.9	26.4	19.0	< 0.005	-
9-Jun-09	< 1.00	-	-	< 0.50	1.60	3.74	125.0	18.3	26.0	< 0.005	-
8-Dec-09	< 1.00	0.29	< 0.01	< 0.50	1.54	3.89	77.9	28.6	21.1	< 0.005	< 0.010
8-Jun-10	< 1.00	0.29	< 0.05	< 0.50	1.51	4.17	99.5	51.2	21.5	< 0.005	< 0.010
7-Dec-10	< 1.00	-	-	< 1.00	1.42	3.66	152.0	50.2	33.2	< 0.005	-
8-Jun-11	< 1.00	-	-	< 1.00	1.73	3.78	81.9	30.9	24.6	< 0.005	-
13-Jun-11	< 1.00	0.27	< 0.01	< 1.00	1.53	2.90	42.3	35.5	17.0	< 0.005	< 0.010
20-Jun-12	3.90	0.27	< 0.01	< 1.00	1.46	3.74	64.9	63.5	20.0	0.006	< 0.010
12-Dec-12	< 1.00	-	-	< 1.00	1.71	3.82	71.0	32.8	18.8	< 0.005	-
18-Jun-13	1.40	-	-	< 1.00	1.53	3.48	45.6	33.0	14.5	< 0.005	-
12-Dec-13	< 1.00	0.27	< 0.01	< 1.00	1.69	3.78	43.5	44.0	15.1	0.006	< 0.010
16-Jun-14	< 1.00	0.29	< 0.01	< 1.00	1.59	3.80	64.7	17.6	15.0	< 0.005	< 0.010
9-Dec-14	< 1.00	-	-	< 1.00	2.24	3.13	27.1	16.4	12.7	< 0.005	-
17-Jun-15	< 1.00	-	-	< 1.00	2.84	4.19	35.8	28.6	15.0	0.007	-
16-Dec-15	< 1.00	0.27	< 0.01	< 1.00	2.42	3.07	149.0	56.0	15.2	< 0.005	< 0.010
22-Jun-16	< 1.00	0.26	< 0.01	< 1.00	2.22	3.00	46.4	46.1	14.4	0.008	< 0.010
14-Dec-16	< 1.00	0.28	0.02	< 1.00	2.18	2.73	38.3	21.7	11.9	0.005	< 0.010
21-Jun-17	< 1.00	-	-	< 1.00	2.01	4.26	34.6	14.3	10.6	< 0.005	-
13-Dec-17	< 1.00	-	-	< 1.00	2.65	19.70	50.6	8.3	13.5	< 0.005	-
19-Jun-18	< 1.00	0.24	< 0.01	< 1.00	2.46	5.87	142.0	14.8	41.6	0.018	< 0.010
12-Dec-18	< 1.00	-	-	< 1.00	2.13	3.31	54.1	30.3	26.5	< 0.005	-
18-Jun-19	< 1.00	-	-	< 1.00	1.82	3.47	70.9	48.1	24.4	< 0.005	-
19-Dec-19	< 1.00	0.23	< 0.01	< 1.00	2.63	5.11	66.5	14.4	20.4	< 0.005	< 0.010
23-Jun-20	< 1.00	0.24	< 0.01	< 1.00	5.24	6.03	57.2	18.7	20.9	< 0.005	< 0.005
8-Dec-20	< 1.00	-	-	< 1.00	2.52	3.92	49.1	30.4	22.2	< 0.005	-
25-Jun-21	< 1.00	-	-	< 1.00	2.84	4.80	66.5	39.5	30.1	< 0.005	-
21-Dec-21	< 1.00	0.27	< 0.01	< 1.00	2.31	3.88	30.7	25.9	13.2	< 0.005	< 0.005
23-Jun-22	< 1.00	0.27	< 0.01	< 1.00	2.20	3.52	44.7	20.3	19.7	< 0.005	< 0.005
13-Dec-22	< 1.00	-	-	< 1.00	2.26	4.26	141.0	15.3	21.3	< 0.005	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS

GROUNDWATER LOWER AQUIFER	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.30
TRIGGER VALUES	10.0	-	0.046	0.8	-	-	362.8	0.01	-	0.05	9.6
<i>Monitoring Well</i> MW-4D											
4-Jun-99	ND	ND	ND	0.171	ND	ND	27.5	ND	ND	ND	6.4
20-Jun-01	ND	ND	ND	0.147	ND	ND	24.9	ND	ND	ND	3.0
21-Jun-04	71.800	-	0.019	0.695	-	-	71.1	0.110	-	0.070	74.4
7-Dec-04	-	-	-	-	-	< 0.005	32.7	-	-	-	20.0
23-Jun-05	-	-	-	-	-	< 0.005	43.6	-	-	-	24.8
6-Dec-05	12.200	< 0.060	0.016	0.307	< 0.005	< 0.005	29.6	< 0.010	< 0.010	< 0.010	13.3
20-Jun-06	8.070	< 0.060	< 0.010	0.253	< 0.005	< 0.005	26.3	0.012	< 0.050	< 0.020	8.4
5-Dec-06	18.800	< 0.060	< 0.010	0.371	< 0.005	< 0.005	35.8	0.030	< 0.050	< 0.020	18.8
27-Jun-07	-	-	-	-	-	< 0.005	22.5	-	-	-	5.2
11-Dec-07	3.910	< 0.060	< 0.010	0.196	< 0.005	< 0.005	25.2	< 0.010	< 0.050	< 0.020	5.2
19-Jun-08	21.100	< 0.060	< 0.010	0.325	< 0.005	< 0.005	32.9	0.033	< 0.050	< 0.020	19.5
10-Dec-08	-	-	-	-	-	< 0.005	24.4	-	-	-	4.3
9-Jun-09	-	-	-	-	-	< 0.005	20.7	-	-	-	3.3
8-Dec-09	3.290	< 0.060	< 0.010	0.177	< 0.005	< 0.005	21.8	< 0.010	< 0.050	< 0.020	4.3
8-Jun-10	2.990	< 0.060	< 0.010	0.175	< 0.005	< 0.005	21.4	< 0.010	< 0.050	< 0.020	4.2
7-Dec-10	-	-	-	-	-	< 0.005	18.6	-	-	-	2.5
8-Jun-11	-	-	-	-	-	< 0.005	22.1	-	-	-	2.7
13-Dec-11	1.110	< 0.060	< 0.010	0.135	< 0.005	< 0.005	19.2	< 0.010	< 0.050	< 0.020	2.4
20-Jun-12	1.440	< 0.060	< 0.010	0.143	< 0.005	< 0.005	19.0	< 0.010	< 0.050	0.004	2.8
12-Dec-12	-	-	-	-	-	< 0.005	187.0	-	-	-	2.0
18-Jun-13	-	-	-	-	-	< 0.005	19.6	-	-	-	2.9
12-Dec-13	1.510	< 0.060	< 0.010	0.145	< 0.003	< 0.005	20.2	< 0.010	< 0.050	< 0.020	2.6
16-Jun-14	4.100	< 0.060	< 0.010	0.178	< 0.003	< 0.005	20.9	< 0.010	< 0.050	< 0.020	4.8
9-Dec-14	-	-	-	-	-	< 0.005	19.7	-	-	-	3.7
17-Jun-15	-	-	-	-	-	< 0.005	21.0	-	-	-	2.3
16-Dec-15	2.560	< 0.060	< 0.010	0.157	< 0.003	< 0.005	21.1	< 0.010	< 0.050	< 0.020	3.2
22-Jun-16	3.190	< 0.060	< 0.010	0.148	< 0.003	< 0.005	21.0	< 0.010	< 0.050	< 0.020	3.3
14-Dec-16	3.140	< 0.060	< 0.010	0.170	< 0.003	< 0.005	20.1	< 0.010	< 0.050	< 0.020	3.4
21-Jun-17	-	-	-	-	-	< 0.005	20.9	-	-	-	3.7
13-Dec-17	-	-	-	-	-	< 0.005	22.9	-	-	-	3.6
19-Jun-18	3.320	< 0.060	< 0.010	0.190	< 0.003	< 0.005	25.4	< 0.010	< 0.050	< 0.020	5.5
12-Dec-18	-	-	-	-	-	< 0.005	20.9	-	-	-	2.8
18-Jun-19	-	-	-	-	-	< 0.005	22.0	-	-	-	2.2
19-Dec-19	0.858	< 0.060	< 0.010	0.155	< 0.003	< 0.005	24.2	< 0.010	< 0.050	< 0.020	2.7
23-Jun-20	1.360	< 0.060	0.008	0.161	< 0.003	< 0.005	23.0	0.002	< 0.050	< 0.020	3.0
8-Dec-20	-	-	-	-	-	< 0.005	23.7	-	-	-	3.0
25-Jun-21	-	-	-	-	-	< 0.005	25.3	-	-	-	4.1
21-Dec-21	8.520	< 0.060	< 0.010	0.250	< 0.003	< 0.005	23.9	< 0.010	< 0.050	< 0.020	9.2
23-Jun-22	1.540	< 0.060	< 0.010	0.250	< 0.003	< 0.005	20.5	< 0.010	< 0.050	< 0.020	2.5
13-Dec-22	-	-	-	-	-	< 0.005	31.3	-	-	-	8.9

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS

GROUNDWATER LOWER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	Tl	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	0.0005	0.014	2
TRIGGER VALUES	0.009	47	0.23	-	-	25.5	322	-	-	-	-	0.05
<i>Monitoring Well</i> MW-4D												
4-Jun-99	ND	8.0	0.148	ND	ND	2.41	281.0	ND	ND	ND	ND	ND
20-Jun-01	ND	7.8	0.114	ND	ND	2.06	231.0	ND	ND	ND	ND	ND
21-Jun-04	0.037	35.5	1.450	-	0.089	20.00	282.0	-	-	-	0.137	0.205
7-Dec-04	0.008	13.1	0.388	-	-	7.47	297.0	-	-	-	-	-
23-Jun-05	0.011	16.1	0.512	-	-	8.61	298.0	-	-	-	-	-
6-Dec-05	0.006	11.4	0.282	< 0.0003	< 0.040	6.06	281.0	< 0.005	< 0.010	< 0.006	0.020	0.039
20-Jun-06	< 0.005	9.2	0.217	< 0.0003	< 0.040	4.58	303.0	< 0.010	< 0.010	< 0.010	< 0.050	0.025
5-Dec-06	< 0.005	13.2	0.395	< 0.0003	< 0.040	7.47	290.0	< 0.010	< 0.010	< 0.010	< 0.050	0.050
27-Jun-07	< 0.005	7.7	0.171	-	-	3.43	293.0	-	-	-	-	-
11-Dec-07	< 0.005	8.3	0.165	< 0.0003	< 0.040	3.55	283.0	< 0.010	< 0.010	< 0.010	< 0.050	0.071
19-Jun-08	0.013	13.0	0.421	< 0.0003	< 0.040	8.16	299.0	< 0.010	< 0.010	< 0.010	< 0.050	0.061
10-Dec-08	< 0.005	8.2	0.147	-	-	2.59	276.0	-	-	-	-	-
9-Jun-09	< 0.005	6.6	0.125	-	-	2.20	277.0	-	-	-	-	-
8-Dec-09	< 0.005	7.4	0.147	< 0.0003	< 0.040	3.00	309.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Jun-10	< 0.005	6.9	0.147	< 0.0003	< 0.040	2.70	305.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
7-Dec-10	< 0.005	6.0	0.110	-	-	2.30	25.9	-	-	-	-	-
8-Jun-11	< 0.005	7.3	0.117	-	-	3.00	278.0	-	-	-	-	-
13-Dec-11	< 0.005	6.2	0.113	< 0.0002	< 0.040	2.60	301.0	< 0.010	< 0.010	< 0.010	< 0.050	0.036
20-Jun-12	< 0.005	6.6	0.125	< 0.0002	< 0.040	4.00	302.0	< 0.010	< 0.010	< 0.010	< 0.050	0.030
12-Dec-12	< 0.005	6.5	0.107	-	-	2.40	262.0	-	-	-	-	-
18-Jun-13	< 0.005	6.6	0.124	-	-	2.80	317.0	-	-	-	-	-
12-Dec-13	< 0.005	6.7	0.123	< 0.0002	< 0.040	2.60	304.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
16-Jun-14	< 0.005	7.4	0.153	< 0.0002	< 0.040	3.70	282.0	< 0.010	< 0.010	< 0.010	< 0.050	0.024
9-Dec-14	< 0.005	7.0	0.207	-	-	3.00	141.0	-	-	-	-	-
17-Jun-15	< 0.005	6.4	0.120	-	-	2.60	296.0	-	-	-	-	-
16-Dec-15	< 0.005	6.2	0.134	< 0.0002	< 0.040	2.79	305.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
22-Jun-16	< 0.005	6.3	0.126	< 0.0002	< 0.040	3.10	316.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
14-Dec-16	< 0.005	6.5	0.128	< 0.0002	< 0.040	3.10	300.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
21-Jun-17	< 0.005	6.6	0.132	-	-	3.50	305.0	-	-	-	-	-
13-Dec-17	< 0.005	7.2	0.137	-	-	3.60	296.0	-	-	-	-	-
19-Jun-18	< 0.005	8.2	0.166	< 0.0002	< 0.040	4.05	310.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
12-Dec-18	< 0.005	6.4	0.120	-	-	4.60	295.0	-	-	-	-	-
18-Jun-19	< 0.005	6.5	0.114	-	-	2.60	297.0	-	-	-	-	-
19-Dec-19	< 0.005	7.3	0.114	< 0.0002	< 0.040	2.38	263.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
23-Jun-20	< 0.005	7.5	0.119	< 0.0002	< 0.040	2.62	276.0	< 0.010	< 0.010	< 0.010	0.003	< 0.020
8-Dec-20	< 0.005	7.6	0.116	-	-	2.50	280.0	-	-	-	-	-
25-Jun-21	< 0.005	8.0	0.130	-	-	2.90	284.0	-	-	-	-	-
21-Dec-21	< 0.005	8.8	0.210	< 0.0002	< 0.040	4.52	298.0	< 0.010	< 0.010	< 0.010	< 0.050	0.024
23-Jun-22	< 0.005	6.7	0.115	< 0.0002	< 0.040	2.86	289.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
13-Dec-22	< 0.005	8.8	0.213	-	-	5.30	298.0	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER LOWER AQUIFER	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	CU	Fe
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-4D											
4-Jun-99	-	-	-	-	-	-	-	-	-	-	-
20-Jun-01	-	-	-	-	-	-	-	-	-	-	-
21-Jun-04	0.118	-	-	0.151	-	-	20.4	-	-	-	0.950
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	-	-	-	-	-	-	-	-	-	-	-
7-Dec-10	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-
20-Jun-12	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	-	-	-	-	-	-	-	-	-	-	-
16-Jun-14	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	-	-	-	-	-	-	-	-	-	-	-
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 0.100	< 0.0600	< 0.0100	0.083	< 0.00300	< 0.00500	19.7	< 0.0100	< 0.0500	< 0.020	< 0.100
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER LOWER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	Tl	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	-	0.014	2
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-4D												
4-Jun-99	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-01	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-04	-	6.2	0.100	-	-	2.41	286.0	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-12	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-14	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 0.00500	6.1	0.090	< 0.00020	< 0.0400	2.14	2.1	< 0.010	< 0.0100	< 0.010	< #####	< 0.0200
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER LOWER AQUIFER	ORGANIC PARAMETERS (DETECTED)											
	Acetone (ug/l)	Benzene (ug/l)	Bromo-dichloro-methane (ug/l)	Bromo-form (ug/l)	Bromo-methane (ug/l)	2-Butanone (MEK) (ug/l)	Carbon Disulfide (ug/l)	Carbon-Tetra-chloride (ug/l)	Chloro-benzene (ug/l)	Chloro-ethane (ug/l)	Chloro-form (ug/l)	Chloro-methane (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	1	50	50	5	50	60	5	5	5	7	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-4D												
4-Jun-99	34.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	21.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-06	59.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
19-Jun-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Jun-10	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
7-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
16-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
17-Jun-15	5.3	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
16-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
14-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	13.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER LOWER AQUIFER	ORGANIC PARAMETERS (DETECTED)												
	Dibromo-chloro-methane (ug/l)	Dichloro-difluoro-methane (ug/l)	1,1-Dichloro-ethane (ug/l)	1,2-Dichloro-ethane (ug/l)	1,1-Dichloro-ethene (ug/l)	Cis-1,2-Dichloro-ethene (ug/l)	Trans-1,2-Dichloro-ethene (ug/l)	1,2-Dichloro-propane (ug/l)	Cis-1,3-Dichloro-propene (ug/l)	Trans-1,3-Dichloro-propene (ug/l)	Ethyl-benzene (ug/l)	2-Hexanone (ug/l)	Methylene-Chloride (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	5	5	0.6	5	5	5	1	0.4	0.4	5	50	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-4D													
4-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-06	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
19-Jun-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Jun-10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
7-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
16-Jun-14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Dec-14	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
17-Jun-15	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
16-Dec-15	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
14-Dec-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-20	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-22	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER LOWER AQUIFER	ORGANIC PARAMETERS (DETECTED)											SUM OF ORGANIC COMPOUNDS (DETECTED)
	4-Methyl-2-Pentanone (ug/l)	Styrene (ug/l)	1,1,2,2-Tetrachloroethane (ug/l)	Tetrachloroethene (ug/l)	Toluene (ug/l)	1,1,1-Trichloroethane (ug/l)	1,1,2-Trichloroethane (ug/l)	Trichloroethene (ug/l)	Vinyl Chloride (ug/l)	O-Xylene (ug/l)	M & P-Xylene (ug/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-4D</i>												
4-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	34.0
20-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
21-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	21
20-Jun-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	59
5-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
19-Jun-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Jun-10	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
7-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
16-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	5.3
16-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
14-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	13
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
23-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER LOWER AQUIFER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP. (deg. F)	Eh (mV)	DISS OX (mg/L)	pH (Std Units)	SP. COND. (US/cm)	TURB. (NTU)	COLOR (Pt/Cl)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	6.5 -- 8.5	-	-	-	-	-	500	250	250
TRIGGER VALUES	65	276	140	14	6680	651	93	1144	1082	1087	11	5
<i>Monitoring Well</i> MW-8D												
2-Jun-99	56.75	-139.2	6.90	7.19	712	58.6	ND	444	295	468	2.85	ND
19-Sep-00	54.72	-137.6	39.01	7.12	711	11.7	35	466	280	463	3.92	ND
20-Mar-01	50.63	136.7	12.13	7.49	708	8.2	-	452	315	449	2.55	ND
21-Jun-01	57.60	-234.7	-99.90	11.20	711	64.0	20	450	300	461	4.11	ND
8-Jan-02	49.28	-	-	7.02	796	< 50.0	30	412	299	453	3.60	ND
26-Jun-03	58.26	-	2.87	7.13	553	-53.2	20	420	295	455	3.89	ND
24-Jun-04	60.62	-98.0	1.18	7.60	767	13.4	20	460	290	453	4.70	-
7-Dec-04	50.00	-122.0	-	7.13	810	6.8	-	450	300	459	5.21	< 2.0
23-Jun-05	57.02	-81.0	0.43	7.31	851	3.6	-	460	300	457	5.50	< 2.0
6-Dec-05	51.08	-135.0	0.27	7.48	730	5.8	35	458	310	452	5.33	< 2.0
20-Jun-06	56.66	-132.0	1.55	7.24	826	3.3	30	448	288	457	5.71	< 2.0
05-Dec-06	46.04	-70.0	0.47	7.20	845	2.0	-	441	390	446	5.98	< 2.0
27-Jun-07	60.40	-152.0	0.72	7.48	790	8.5	-	442	322	449	5.26	< 2.0
11-Dec-07	49.28	103.0	0.69	7.44	726	5.6	30	808	462	1040	187.00	17.4
19-Jun-08	53.78	-150.0	0.23	7.39	805	6.5	20	440	339	465	7.11	< 2.0
10-Dec-08	48.38	-25.0	1.06	7.46	805	6.3	-	460	318	443	6.69	< 2.0
9-Jun-09	56.84	-130.0	0.18	7.02	810	5.2	-	440	317	440	7.10	< 2.0
8-Dec-09	51.26	-156.0	0.19	6.92	817	10.7	100	460	322	441	7.90	< 2.0
9-Jun-10	52.16	-99.0	0.15	7.17	820	3.9	20	444	325	454	8.90	< 2.0
9-Dec-10	50.72	-155.0	0.23	6.94	806	2.7	-	442	462	457	9.60	< 2.0
9-Jun-11	64.76	-128.0	0.44	6.86	781	20.7	-	424	289	455	9.30	< 2.0
14-Dec-11	50.36	-173.0	1.08	11.28	895	10.4	60	440	296	458	10.80	< 2.0
20-Jun-12	55.58	-128.0	0.92	7.01	850	4.0	86	424	309	454	11.40	< 2.0
D-plicate	55.58	-128.0	0.92	7.01	850	4.0	59	424	315	456	11.50	< 2.0
11-Dec-12	50.36	-123.0	1.04	7.29	824	3.3	-	444	336	476	11.80	11.8
20-Jun-13	57.56	-130.0	1.33	7.10	780	2.1	-	445	301	472	13.00	< 2.0
11-Dec-13	49.64	-117.0	0.70	7.38	820	2.1	78	451	330	452	12.60	< 2.0
18-Jun-14	55.22	-140.0	1.53	6.91	836	3.1	115	444	305	458	12.60	< 2.0
9-Dec-14	46.94	-111.0	0.47	6.96	803	1.5	-	445	311	447	13.80	< 2.0
17-Jun-15	55.04	-136.0	0.30	7.04	816	4.2	-	444	313	458	16.20	< 2.0
16-Dec-15	51.98	-140.0	0.51	7.21	820	0.9	160	432	299	438	19.00	< 2.0
22-Jun-16	58.64	-124.0	0.40	7.21	830	4.4	80	432	295	481	15.50	< 2.0
13-Dec-16	50.54	-130.0	0.35	7.17	820	3.3	55	422	290	450	17.10	< 2.0
20-Jun-17	57.38	-140.0	0.66	7.18	830	1.7	-	439	315	454	19.10	< 2.0
12-Dec-17	48.74	-120.0	0.60	7.28	835	1.5	-	433	331	449	20.70	< 2.0
21-Jun-18	57.02	-144.0	0.52	7.09	830	1.9	56	406	305	465	21.20	< 2.0
11-Dec-18	51.08	-134.0	0.66	7.27	899	4.3	-	406	317	464	20.60	< 2.0
18-Jun-19	No Sample - Unable to Pump	-	-	-	-	-	-	-	-	-	-	-
18-Dec-19	47.84	-126.0	0.91	7.23	830	10.7	40	406	320	474	27.70	< 2.0
24-Jun-20	62.78	-134.0	0.74	7.11	833	3.7	70	412	307	487	27.60	< 2.0
8-Dec-20	47.12	-106.0	0.78	7.22	864	4.3	-	389	313	470	27.90	< 2.0
25-Jun-21	66.38	-117.0	0.73	7.18	856	5.1	-	433	313	483	31.80	< 2.0
21-Dec-21	45.50	-116.0	0.65	6.98	866	1.5	39	442	313	481	32.90	< 2.0
23-Jun-22	58.82	-117.0	0.68	7.06	868	9.6	15	434	305	490	33.60	< 2.0
12-Dec-22	50.36	-115.0	1.33	7.04	848	3.2	-	434	310	478	35.10	< 2.0

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER LOWER AQUIFER	INORGANIC PARAMETERS										
	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	2	1	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	-	0.2	-	-	9.7	11	78	61	30.7	0.028	-
<i>Monitoring Well</i> MW-8D											
2-Jun-99	ND	ND	ND	ND	3.72	4.980	23.10	8.58	7.44	ND	ND
19-Sep-00	ND	ND	ND	ND	3.73	3.730	18.50	17.50	6.59	ND	ND
20-Mar-01	ND	-	-	ND	3.91	4.210	17.10	9.54	5.88	ND	-
21-Jun-01	ND	ND	ND	ND	3.72	4.370	17.10	20.30	6.43	ND	ND
8-Jan-02	ND	ND	ND	ND	3.74	4.060	16.90	12.20	6.98	ND	ND
26-Jun-03	ND	ND	ND	ND	4.14	3.850	21.10	19.20	7.01	ND	ND
24-Jun-04	-	-	-	-	3.74	3.700	14.90	23.70	6.96	-	-
7-Dec-04	< 1.00	-	-	< 0.50	3.49	3.780	29.60	13.60	8.27	< 0.005	-
23-Jun-05	< 1.00	-	-	< 0.50	3.89	3.920	15.20	13.20	7.36	< 0.005	-
6-Dec-05	< 1.00	< 0.10	< 0.00	< 0.50	3.54	4.160	16.70	21.90	6.77	< 0.005	< 0.010
20-Jun-06	< 1.00	< 0.20	0.01	< 0.50	3.52	4.320	17.7	18.1	6.93	< 0.005	< 0.010
05-Dec-06	< 1.00	-	-	< 0.50	3.48	3.900	16.20	9.30	6.31	< 0.005	-
27-Jun-07	< 1.00	-	-	< 0.50	4.22	3.860	16.40	11.40	6.83	< 0.005	-
11-Dec-07	< 1.00	0.33	< 0.00	< 0.50	23.80	25.600	31.70	10.30	11.70	< 0.005	< 0.010
19-Jun-08	< 1.00	< 0.20	< 0.00	< 0.50	3.59	4.090	21.00	24.30	6.93	< 0.005	< 0.010
10-Dec-08	< 1.00	-	-	< 0.50	3.82	4.340	25.10	13.10	7.50	< 0.005	-
9-Jun-09	< 1.00	-	-	< 0.50	3.62	4.050	14.70	14.50	8.90	< 0.005	-
8-Dec-09	< 1.00	< 0.20	< 0.00	< 0.50	3.58	3.970	12.70	23.10	8.00	< 0.005	< 0.010
9-Jun-10	< 1.00	< 0.20	< 0.00	< 0.50	3.79	4.070	21.00	16.00	9.10	< 0.005	< 0.010
9-Dec-10	< 1.00	-	-	< 1.00	3.65	4.130	27.00	20.70	9.30	< 0.005	-
9-Jun-11	< 1.00	-	-	< 1.00	3.45	3.890	44.00	13.90	8.30	< 0.005	-
14-Dec-11	< 1.00	< 0.20	< 0.01	< 1.00	3.73	4.420	26.30	27.70	10.20	< 0.005	< 0.010
20-Jun-12	< 1.00	< 0.20	< 0.01	< 1.00	3.45	4.050	28.90	23.20	8.60	< 0.005	< 0.010
D-plicate	< 1.00	< 0.20	< 0.01	< 1.00	3.44	4.000	26.50	18.10	9.00	< 0.005	< 0.010
11-Dec-12	< 1.00	-	-	1.50	3.50	4.000	17.10	13.80	7.50	< 0.005	-
20-Jun-13	< 1.00	-	-	< 1.00	3.60	4.440	29.70	9.10	10.00	< 0.005	-
11-Dec-13	< 1.00	< 0.20	< 0.01	< 1.00	3.42	4.220	27.00	13.90	8.80	0.006	< 0.010
18-Jun-14	< 1.00	< 0.20	< 0.01	< 1.00	3.42	4.300	24.40	16.40	9.90	< 0.005	< 0.010
9-Dec-14	< 1.00	-	-	< 1.00	3.85	4.200	13.80	16.90	6.80	< 0.005	-
17-Jun-15	< 1.00	-	-	< 1.00	4.05	4.110	21.70	16.80	6.80	< 0.005	-
16-Dec-15	< 1.00	< 0.20	< 0.01	< 1.00	3.76	3.870	35.50	24.20	12.60	0.009	< 0.010
22-Jun-16	< 1.00	< 0.20	< 0.01	< 1.00	3.60	3.930	11.30	20.20	6.60	< 0.005	< 0.010
13-Dec-16	< 1.00	< 0.20	< 0.01	< 1.00	3.90	3.770	15.20	11.00	6.90	< 0.005	< 0.010
20-Jun-17	< 1.00	-	-	< 1.00	3.84	4.230	16.90	18.30	6.00	< 0.005	-
12-Dec-17	< 1.00	-	-	< 1.00	4.43	4.000	24.50	12.90	8.00	< 0.005	-
21-Jun-18	< 1.00	< 0.20	< 0.05	< 1.00	3.28	3.830	18.40	20.00	26.60	< 0.005	< 0.010
11-Dec-18	< 1.00	-	-	< 1.00	3.55	4.520	21.50	11.40	7.90	< 0.005	-
18-Jun-19	No Sample - Unable to Pump			-	-	-	-	-	-	-	-
18-Dec-19	< 1.00	< 0.20	< 0.05	< 1.00	3.89	5.100	65.10	17.00	9.30	< 0.005	< 0.010
24-Jun-20	< 1.00	< 0.20	< 0.05	< 1.00	3.48	3.760	24.30	8.90	7.80	< 0.005	< 0.005
8-Dec-20	< 1.00	-	-	< 1.00	3.47	4.060	16.50	6.60	6.30	< 0.005	-
25-Jun-21	< 1.00	-	-	< 1.00	3.72	4.100	19.10	6.30	6.50	< 0.005	-
21-Dec-21	< 1.00	< 0.20	< 0.05	< 1.00	3.81	4.400	13.90	6.20	6.30	< 0.005	< 0.005
23-Jun-22	< 1.00	< 0.20	< 0.01	< 1.00	3.71	3.990	13.00	6.60	5.60	< 0.005	< 0.005
12-Dec-22	< 1.00	-	-	< 1.00	3.65	4.650	23.10	7.60	7.20	< 0.005	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER LOWER AQUIFER	TOTAL METALS										
	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	CU (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.30
TRIGGER VALUES	10.0	-	0.046	0.8	-	-	362.8	0.01	-	0.05	9.6
<i>Monitoring Well</i> MW-8D											
2-Jun-99	0.186	ND	0.020	0.144	ND	ND	74.8	ND	ND	ND	4.1
19-Sep-00	ND	ND	0.026	0.141	ND	ND	68.8	ND	ND	ND	4.0
20-Mar-01	-	-	-	-	-	ND	75.7	-	-	-	4.1
21-Jun-01	ND	ND	0.021	0.130	ND	ND	71.9	ND	ND	ND	3.7
8-Jan-02	0.172	ND	0.020	0.146	ND	ND	77.1	ND	ND	ND	4.2
26-Jun-03	0.534	ND	0.024	0.134	ND	ND	75.2	ND	ND	ND	4.4
24-Jun-04	0.215	-	0.023	0.152	-	-	74.6	-	-	-	4.6
7-Dec-04	-	-	-	-	-	< 0.005	79.4	-	-	-	4.2
23-Jun-05	-	-	-	-	-	< 0.005	77.9	-	-	-	3.7
6-Dec-05	< 0.200	< 0.060	0.037	1.190	< 0.005	< 0.005	86.9	< 0.010	< 0.010	< 0.010	16.6
20-Jun-06	< 0.100	< 0.060	0.023	0.131	< 0.005	< 0.005	81.4	< 0.010	< 0.050	< 0.020	4.2
05-Dec-06	-	-	-	-	-	< 0.005	75.6	-	-	-	3.9
27-Jun-07	-	-	-	-	-	< 0.005	76.7	-	-	-	3.8
11-Dec-07	< 0.100	< 0.060	0.020	1.060	< 0.005	< 0.005	87.6	< 0.010	< 0.050	< 0.020	12.2
19-Jun-08	< 0.100	< 0.060	0.019	0.126	< 0.005	< 0.005	72.7	< 0.010	< 0.050	< 0.020	3.8
10-Dec-08	-	-	-	-	-	< 0.005	76.0	-	-	-	4.1
9-Jun-09	-	-	-	-	-	< 0.005	76.0	-	-	-	3.7
8-Dec-09	< 0.100	< 0.060	0.025	0.130	< 0.005	< 0.005	74.5	< 0.010	< 0.050	< 0.020	4.0
9-Jun-10	< 0.100	< 0.060	0.025	0.129	< 0.005	< 0.005	75.0	< 0.010	< 0.050	< 0.020	4.0
9-Dec-10	-	-	-	-	-	< 0.005	77.6	-	-	-	4.2
9-Jun-11	-	-	-	-	-	< 0.005	75.5	-	-	-	4.8
14-Dec-11	0.260	< 0.060	0.022	0.142	< 0.005	< 0.005	75.6	< 0.010	< 0.050	< 0.020	4.5
20-Jun-12	< 0.100	< 0.060	0.024	0.142	< 0.005	< 0.005	75.9	< 0.010	< 0.050	< 0.020	4.3
D-plicate	< 0.100	< 0.060	0.024	0.139	< 0.005	< 0.005	74.1	< 0.010	< 0.050	< 0.020	4.2
11-Dec-12	-	-	-	-	-	< 0.005	80.4	-	-	-	4.4
20-Jun-13	-	-	-	-	-	< 0.005	74.5	-	-	-	4.2
11-Dec-13	0.130	< 0.060	0.022	0.147	< 0.003	< 0.005	73.2	< 0.010	< 0.050	< 0.020	4.4
18-Jun-14	< 0.100	< 0.060	0.021	0.139	< 0.003	< 0.005	79.0	< 0.010	< 0.050	< 0.020	4.0
9-Dec-14	-	-	-	-	-	< 0.005	78.4	-	-	-	4.4
17-Jun-15	-	-	-	-	-	< 0.005	76.7	-	-	-	4.1
16-Dec-15	< 0.100	< 0.060	0.025	0.132	< 0.003	< 0.005	78.6	< 0.010	< 0.050	< 0.020	4.0
22-Jun-16	< 0.100	< 0.060	0.022	0.126	< 0.003	< 0.005	78.0	< 0.010	< 0.050	< 0.020	3.8
13-Dec-16	< 0.100	< 0.060	0.019	0.141	< 0.003	< 0.005	73.4	< 0.010	< 0.050	< 0.020	4.0
20-Jun-17	-	-	-	-	-	< 0.005	81.7	-	-	-	3.9
12-Dec-17	-	-	-	-	-	< 0.005	84.8	-	-	-	4.4
21-Jun-18	< 0.100	< 0.060	0.022	0.133	< 0.003	< 0.005	78.2	< 0.010	< 0.050	< 0.020	3.8
11-Dec-18	-	-	-	-	-	< 0.005	81.7	-	-	-	4.1
18-Jun-19	No Sample - Unable to Pump										-
18-Dec-19	0.725	< 0.060	0.025	0.152	< 0.003	< 0.005	82.1	< 0.010	< 0.050	< 0.020	4.9
24-Jun-20	0.112	< 0.060	0.020	0.129	< 0.003	< 0.005	78.8	< 0.010	< 0.050	< 0.020	3.9
8-Dec-20	-	-	-	-	-	< 0.005	80.4	-	-	-	4.3
25-Jun-21	-	-	-	-	-	< 0.005	80.4	-	-	-	3.8
21-Dec-21	< 0.100	< 0.060	0.019	0.137	< 0.003	< 0.005	80.7	< 0.010	< 0.050	< 0.020	4.1
23-Jun-22	0.276	< 0.060	0.021	0.133	< 0.003	< 0.005	78.4	< 0.010	< 0.050	< 0.020	4.1
12-Dec-22	-	-	-	-	-	< 0.005	79.6	-	-	-	4.4

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS												
GROUNDWATER LOWER AQUIFER	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	0.0005	0.014	2
TRIGGER VALUES	0.009	47	0.23	-	-	25.5	322	-	-	-	-	0.05
<i>Monitoring Well</i> MW-8D												
2-Jun-99	ND	24.2	0.068	ND	ND	ND	72.4	ND	ND	ND	ND	ND
19-Sep-00	ND	23.2	0.064	ND	ND	ND	64.2	ND	ND	ND	ND	ND
20-Mar-01	ND	24.3	0.067	-	-	ND	65.6	-	-	-	-	-
21-Jun-01	ND	24.0	0.063	ND	ND	ND	51.0	ND	ND	ND	ND	ND
8-Jan-02	ND	26.1	0.070	ND	ND	ND	68.4	ND	ND	ND	ND	ND
26-Jun-03	ND	25.4	0.081	ND	ND	ND	63.9	ND	ND	ND	ND	ND
24-Jun-04	-	25.3	0.068	-	-	-	66.3	-	-	-	-	-
7-Dec-04	< 0.005	25.7	0.074	-	-	< 2.00	68.0	-	-	-	-	-
23-Jun-05	< 0.005	27.7	0.068	-	-	< 2.00	67.4	-	-	-	-	-
6-Dec-05	< 0.005	56.5	0.241	< 0.0003	< 0.040	21.00	282.0	< 0.005	< 0.010	< 0.006	< 0.010	< 0.020
20-Jun-06	< 0.005	28.0	0.072	< 0.0003	< 0.040	< 2.00	71.1	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
05-Dec-06	< 0.005	25.7	0.064	-	-	< 2.00	68.4	-	-	-	-	-
27-Jun-07	< 0.005	25.7	0.066	-	-	< 2.00	70.3	-	-	-	-	-
11-Dec-07	< 0.005	53.7	0.256	< 0.0003	< 0.040	19.60	231.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
19-Jun-08	< 0.005	25.8	0.065	< 0.0003	< 0.040	< 2.00	61.9	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
10-Dec-08	< 0.005	26.5	0.068	-	-	< 2.00	66.2	-	-	-	-	-
9-Jun-09	< 0.005	26.5	0.065	-	-	< 2.00	61.8	-	-	-	-	-
8-Dec-09	< 0.005	27.2	0.067	< 0.0003	< 0.040	< 2.00	65.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
9-Jun-10	< 0.005	26.4	0.067	< 0.0003	< 0.040	< 2.00	66.6	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
9-Dec-10	< 0.005	27.1	0.068	-	-	< 2.00	71.9	-	-	-	-	-
9-Jun-11	< 0.005	26.2	0.085	-	-	< 2.00	69.2	-	-	-	-	-
14-Dec-11	< 0.005	26.8	0.074	< 0.0002	< 0.040	< 2.00	66.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
20-Jun-12	< 0.005	27.4	0.070	< 0.0002	< 0.040	< 2.00	66.3	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
D-plicate	< 0.005	26.7	0.068	< 0.0002	< 0.040	< 2.00	67.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
11-Dec-12	< 0.005	28.1	0.071	-	-	< 2.00	71.0	-	-	-	-	-
20-Jun-13	< 0.005	26.3	0.068	-	-	< 2.00	65.2	-	-	-	-	-
11-Dec-13	< 0.005	26.9	0.077	< 0.0002	< 0.040	< 2.00	66.3	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
18-Jun-14	< 0.005	27.4	0.068	< 0.0002	< 0.040	< 2.00	68.2	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
9-Dec-14	< 0.005	28.1	0.070	-	-	< 2.00	68.5	-	-	-	-	-
17-Jun-15	< 0.005	26.3	0.068	-	-	< 2.00	62.9	-	-	-	-	-
16-Dec-15	< 0.005	24.9	0.071	< 0.0002	< 0.040	< 2.00	65.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
22-Jun-16	< 0.005	24.4	0.063	< 0.0002	< 0.040	< 2.00	66.2	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
13-Dec-16	< 0.005	26.0	0.067	< 0.0002	< 0.040	< 2.00	63.2	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
20-Jun-17	< 0.005	27.1	0.068	-	-	< 2.00	65.4	-	-	-	-	-
12-Dec-17	< 0.005	28.8	0.071	-	-	< 2.00	68.3	-	-	-	-	-
21-Jun-18	< 0.005	26.6	0.067	< 0.0002	< 0.040	< 2.00	63.8	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
11-Dec-18	< 0.005	27.4	0.071	-	-	< 2.00	65.9	-	-	-	-	-
18-Jun-19	No Sample - Unable to Pump			-	-	-	-	-	-	-	-	-
18-Dec-19	< 0.005	27.9	0.087	< 0.0002	< 0.040	< 2.00	64.3	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
24-Jun-20	< 0.005	26.8	0.072	< 0.0002	< 0.040	< 2.00	64.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Dec-20	< 0.005	27.3	0.077	-	-	< 2.00	65.2	-	-	-	-	-
25-Jun-21	< 0.005	27.4	0.073	-	-	< 2.00	63.2	-	-	-	-	-
21-Dec-21	< 0.005	27.0	0.072	< 0.0002	< 0.040	< 2.00	66.2	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
23-Jun-22	< 0.005	26.7	0.075	< 0.0002	< 0.040	< 2.00	64.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
12-Dec-22	< 0.005	27.0	0.075	-	-	< 2.00	64.2	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS											
GROUNDWATER LOWER AQUIFER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	CU (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-8D											
2-Jun-99	-	-	-	-	-	-	-	-	-	-	-
19-Sep-00	-	-	-	-	-	-	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-
21-Jun-01	-	-	-	-	-	-	-	-	-	-	-
8-Jan-02	-	-	-	-	-	-	-	-	-	-	-
26-Jun-03	-	-	-	-	-	-	-	-	-	-	-
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-
05-Dec-06	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-
9-Jun-10	-	-	-	-	-	-	-	-	-	-	-
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	-	-	-	-	-	-	-	-	-	-	-
20-Jun-12	-	-	-	-	-	-	-	-	-	-	-
D-plicate	-	-	-	-	-	-	-	-	-	-	-
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-
20-Jun-13	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	-	-	-	-	-	-	-	-	-	-	-
18-Jun-14	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-
13-Dec-16	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	No Sample - Unable to Pump										
18-Dec-19	-	-	-	-	-	-	-	-	-	-	-
24-Jun-20	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS												
GROUNDWATER LOWER AQUIFER	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	-	0.014	2
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-8D												
2-Jun-99	-	-	-	-	-	-	-	-	-	-	-	-
19-Sep-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-01	-	-	-	-	-	-	-	-	-	-	-	-
8-Jan-02	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-03	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
05-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-10	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-12	-	-	-	-	-	-	-	-	-	-	-	-
D-plicate	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-14	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-15	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-16	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	No Sample - Unable to Pump			-	-	-	-	-	-	-	-	-
18-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
24-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER LOWER AQUIFER	ORGANIC PARAMETERS (DETECTED)											
	Acetone (ug/l)	Benzene (ug/l)	Bromo-dichloro-methane (ug/l)	Bromo-form (ug/l)	Bromo-methane (ug/l)	2-Butanone (MEK) (ug/l)	Carbon Disulfide (ug/l)	Carbon-Tetra-chloride (ug/l)	Chloro-benzene (ug/l)	Chloro-ethane (ug/l)	Chloro-form (ug/l)	Chloro-methane (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	1	50	50	5	50	60	5	5	5	7	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-8D												
2-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8-Jan-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-06	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
05-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
19-Jun-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Jun-10	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
D-plicate	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
18-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
16-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
13-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	No Sample - Unable to Pump											
18-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
24-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER LOWER AQUIFER	ORGANIC PARAMETERS (DETECTED)												
	Dibromo-chloro-methane (ug/l)	Dichloro-difluoro-methane (ug/l)	1,1-Dichloro-ethane (ug/l)	1,2-Dichloro-ethane (ug/l)	1,1-Dichloro-ethene (ug/l)	Cis-1,2-Dichloro-ethene (ug/l)	Trans-1,2-Dichloro-ethene (ug/l)	1,2-Dichloro-propane (ug/l)	Cis-1,3-Dichloro-propene (ug/l)	Trans-1,3-Dichloro-propene (ug/l)	Ethyl-benzene (ug/l)	2-Hexanone (ug/l)	Methylene-Chloride (ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	5	5	0.6	5	5	5	1	0.4	0.4	5	50	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-8D													
2-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8-Jan-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-06	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
05-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
19-Jun-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Jun-10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
D-plicate	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
18-Jun-14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Dec-14	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
17-Jun-15	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
16-Dec-15	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
13-Dec-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	No Sample - Unable to Pump												
18-Dec-19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
24-Jun-20	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-22	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA**

GROUNDWATER LOWER AQUIFER	ORGANIC PARAMETERS (DETECTED)											SUM OF ORGANIC COMPOUNDS (DETECTED)
	4-Methyl-3-Pentanone (ug/l)	Styrene (ug/l)	1,1,2,2-Tetrachloroethane (ug/l)	Tetra-chloro-ethene (ug/l)	Toluene (ug/l)	1,1,1-Trichloro-ethane (ug/l)	1,1,2-Trichloro-ethane (ug/l)	Trichloro-ethene (ug/l)	Vinyl Chloride (ug/l)	O-Xylene (ug/l)	M & P-Xylene (Ug/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-8D												
2-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
19-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
8-Jan-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
26-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
24-Jun-04	-	-	-	-	-	-	-	-	-	-	-	0
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
05-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
19-Jun-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
10-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-09	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Jun-10	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
9-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
D-plicate	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
18-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
16-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
13-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
11-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	No Sample - Unable to Pump											-
18-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
24-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

GROUNDWATER LOWER AQUIFER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP. (deg. F)	Eh (mV)	DISS OX (mg/L)	pH (Std Units)	SP. COND. (US/cm)	TURB. (NTU)	COLOR (Pt/Cl)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	6.5 -- 8.5	-	-	-	-	-	500	250	250
TRIGGER VALUES	65	276	140	14	6680	651	93	1144	1082	1087	11	5
<i>Monitoring Well</i> MW-12D												
23-Jun-04	59.00	-101.0	5.18	12.70	4800	28.7	10	730	560	642	4.72	-
7-Dec-04	50.54	-156.0	-	12.65	3300	70.1	-	570	435	586	4.77	< 2.0
22-Jun-05	58.46	-53.0	3.32	12.67	3200	16.3	-	750	625	722	6.73	< 2.0
6-Dec-05	45.86	-117.0	3.60	13.26	3980	32.0	15	670	539	591	5.00	2.2
21-Jun-06	54.86	-189.0	1.27	12.33	1680	8.0	30	329	201	354	6.87	2.5
7-Dec-06	46.94	-133.0	1.60	12.30	1985	11.5	-	316	303	413	6.01	< 2.0
26-Jun-07	59.70	-84.0	4.24	12.67	5775	6.0	-	670	540	593	5.79	< 2.0
11-Dec-07	48.56	-119.0	1.51	12.80	1025	13.9	30	425	150	406	6.70	2.7
16-Jun-08	56.48	-132.0	3.48	12.64	4875	25.9	15	502	436	551	5.55	< 2.0
8-Dec-08	45.66	-135.0	3.20	12.52	3100	7.6	-	638	393	591	5.27	3.3
10-Jun-09	56.66	-130.0	1.67	12.17	2220	7.0	-	480	318	493	7.90	< 2.0
7-Dec-09	47.84	-172.0	3.81	12.31	2910	22.3	15	482	630	470	6.50	3.2
14-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	56.48	-241.0	2.45	12.35	17.8	14.0	20	440	255	449	7.60	< 2.0
8-Dec-10	45.32	-179.0	3.70	13.61	3531	9.9	-	440	430	477	7.00	2.4
7-Jun-11	56.48	54.0	0.79	10.96	644	11.0	-	285	417	395	14.10	< 2.0
D-plicate	56.48	54.0	0.79	10.96	643	11.1	-	290	371	377	14.30	< 2.0
13-Dec-11	51.80	-159.0	0.57	7.07	810	4.5	42	285	110	332	17.00	< 2.0
19-Jun-12	55.94	-122.0	1.30	11.64	1110	10.1	33	278	221	325	12.40	< 2.0
12-Dec-12	48.92	-154.0	2.10	11.74	1003	15.9	-	303	230	327	10.20	2.2
18-Jun-13	55.94	-102.0	1.15	11.40	842	10.7	-	280	140	334	15.70	< 2.0
10-Dec-13	50.18	-145.0	0.60	10.46	1020	10.0	38	318	100	373	23.70	< 2.0
17-Jun-14	55.94	108.0	1.40	11.66	1220	9.8	28	278	194	303	10.50	< 2.0
9-Dec-14	Pump not functional											
17-Jun-15	Pump not functional											
15-Dec-15	Pump not functional											
22-Jun-16	Pump not functional											
14-Dec-16	No Pump in well											
21-Jun-17	53.42	-158.0	-	11.12	659	7.4	-	279	59	297	4.90	< 2.0
13-Dec-17	47.66	-138.0	-	11.45	734	14.2	-	268	869	818	5.50	< 2.0
19-Jun-18	54.68	-98.0	-	12.36	5065	8.2	22	1100	1030	1130	5.90	< 2.0
12-Dec-18	48.74	-139.0	-	11.69	2803	35.9	-	598	483	684	5.70	< 2.0
19-Jun-19	52.70	-140.0	-	10.93	721	19.4	-	248	68	355	18.60	< 2.0
19-Dec-19	46.04	-105.0	-	11.74	1548	4.1	20	224	108	394	9.90	< 2.0
23-Jun-20	53.06	-207.0	-	11.22	791	14.4	56	282	56	348	13.00	< 2.0
8-Dec-20	49.46	-50.0	-	11.93	1050	7.6	-	250	56	311	9.40	< 2.0
25-Jun-21	52.70	-146.0	-	11.68	1010	5.6	-	276	57	315	10.20	< 2.0
21-Dec-21	50.36	34.0	-	11.91	1109	7.6	25	282	63	310	9.20	< 2.0
23-Jun-22	60.44	74.0	-	11.69	1138	4.3	11	284	82	369	10.50	< 2.0
13-Dec-22	50.18	106.0	-	11.59	962	9.5	-	260	48	277	8.70	< 2.0

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS

GROUNDWATER LOWER AQUIFER	Br	BORON	Cr+6	NO3-N	NH3-N	TKN	COD	BOD-5	TOC	TOTAL PHENOLS	TOTAL CYANIDE
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	2	1	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	-	0.2	-	-	9.7	11	78	61	30.7	0.028	-
<i>Monitoring Well</i> MW-12D											
23-Jun-04	-	-	-	-	5.54	5.260	19.7	5.24	9.82	0.016	-
7-Dec-04	< 1.00	-	-	< 0.50	6.07	5.510	31.8	20.10	15.40	0.019	-
22-Jun-05	< 1.00	-	-	< 0.50	5.75	5.880	26.9	4.24	7.69	0.019	-
6-Dec-05	< 1.00	< 0.10	< 0.01	< 0.50	5.94	6.530	26.9	15.2	9.27	0.017	< 0.010
21-Jun-06	1.06	< 0.20	< 0.01	< 0.50	5.70	5.930	35.3	11.30	8.50	0.014	< 0.010
7-Dec-06	< 1.00	-	-	< 0.50	5.58	6.220	18.3	7.35	8.23	0.014	-
26-Jun-07	< 1.00	-	-	< 0.50	6.17	6.260	20.3	2.76	6.34	0.015	-
11-Dec-07	< 1.00	< 0.20	< 0.01	< 0.50	5.67	6.600	15.4	< 6.00	8.16	0.010	< 0.010
16-Jun-08	< 1.00	< 0.20	< 0.01	< 0.50	5.29	5.580	18.3	11.70	6.88	0.012	< 0.010
8-Dec-08	< 1.00	-	-	< 0.50	5.57	5.610	22.3	5.55	7.27	0.012	-
10-Jun-09	< 1.00	-	-	5.61	5.15	5.610	20.2	7.60	8.60	0.014	-
7-Dec-09	< 1.00	< 0.20	< 0.01	< 0.50	5.40	6.010	25.3	3.00	10.10	0.011	< 0.010
14-Dec-09	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	< 1.00	< 0.20	< 0.01	< 0.50	5.48	5.550	23.7	5.50	9.10	0.010	< 0.010
8-Dec-10	< 1.00	-	-	< 1.00	5.37	5.400	19.8	5.10	8.40	0.010	-
7-Jun-11	< 1.00	-	-	< 1.00	5.04	5.170	24.5	2.50	8.00	0.008	-
D-plicate	< 1.00	-	-	< 1.00	5.10	5.040	25.6	4.50	8.00	0.008	-
13-Dec-11	< 1.00	< 0.20	< 0.01	< 1.00	4.66	4.830	24.4	13.30	8.70	0.005	< 0.010
19-Jun-12	< 1.00	< 0.20	< 0.01	< 1.00	4.87	5.200	18.0	26.40	7.50	0.006	< 0.010
12-Dec-12	< 1.00	-	-	< 1.00	5.15	5.450	21.7	4.80	7.60	0.008	-
18-Jun-13	< 1.00	-	-	< 1.00	4.96	5.240	21.6	8.00	7.40	0.006	-
10-Dec-13	< 1.00	< 0.20	< 0.01	< 1.00	4.67	5.150	17.7	17.00	7.50	0.006	< 0.010
17-Jun-14	< 1.00	< 0.20	< 0.01	< 1.00	5.13	5.840	20.1	10.20	9.00	0.007	< 0.010
9-Dec-14	Pump not functional	-	-	-	-	-	-	-	-	-	-
17-Jun-15	Pump not functional	-	-	-	-	-	-	-	-	-	-
15-Dec-15	Pump not functional	-	-	-	-	-	-	-	-	-	-
22-Jun-16	Pump not functional	-	-	-	-	-	-	-	-	-	-
14-Dec-16	No Pump in well	-	-	-	-	-	-	-	-	-	-
21-Jun-17	< 1.00	-	-	< 1.00	5.38	6.020	23.0	18.20	7.90	0.017	-
13-Dec-17	< 1.00	-	-	< 1.00	6.38	6.160	24.2	5.10	6.10	0.028	-
19-Jun-18	< 1.00	< 0.20	< 0.01	< 1.00	4.83	8.650	97.4	13.10	22.10	0.019	< 0.010
12-Dec-18	< 1.00	-	-	< 1.00	4.86	5.980	20.9	13.00	8.50	0.010	-
19-Jun-19	< 1.00	-	-	< 1.00	4.91	7.910	111.0	37.30	30.00	< 0.005	-
19-Dec-19	< 1.00	< 0.10	< 0.01	< 1.00	5.80	7.260	39.2	7.30	10.60	< 0.005	< 0.005
23-Jun-20	< 1.00	0.12	< 0.01	< 1.00	1.23	6.480	45.5	19.40	17.90	0.013	< 0.005
8-Dec-20	< 1.00	-	-	< 1.00	4.92	6.230	22.0	14.90	9.20	< 0.005	-
25-Jun-21	< 1.00	-	-	< 1.00	5.44	6.270	26.4	6.50	9.20	< 0.005	-
21-Dec-21	< 1.00	< 0.20	< 0.01	< 1.00	5.37	5.990	22.0	7.30	9.40	0.007	< 0.005
23-Jun-22	< 1.00	< 0.20	< 0.01	< 1.00	5.70	6.160	20.5	2.10	7.70	0.006	< 0.005
13-Dec-22	< 1.00	-	-	< 1.00	5.36	5.960	20.0	3.60	8.10	< 0.005	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS

GROUNDWATER LOWER AQUIFER	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.30
TRIGGER VALUES	10.0	-	0.046	0.8	-	-	362.8	0.01	-	0.05	9.6
<i>Monitoring Well MW-12D</i>											
23-Jun-04	1.450	-	0.012	0.530	-	-	253.0	-	-	-	0.4
7-Dec-04	-	-	-	-	-	< 0.005	153.0	-	-	-	0.6
22-Jun-05	-	-	-	-	-	< 0.005	248.0	-	-	-	0.1
6-Dec-05	0.930	< 0.060	0.024	0.430	< 0.005	< 0.005	192.0	< 0.010	< 0.010	< 0.010	0.2
21-Jun-06	0.526	< 0.060	0.012	0.178	< 0.005	< 0.005	79.5	< 0.010	< 0.050	< 0.020	0.1
7-Dec-06	-	-	-	-	-	< 0.005	116.0	-	-	-	0.2
26-Jun-07	-	-	-	-	-	< 0.005	207.0	-	-	-	0.2
11-Dec-07	0.242	< 0.060	< 0.010	0.212	< 0.005	< 0.005	99.1	< 0.010	< 0.050	< 0.020	< 0.1
16-Jun-08	0.538	< 0.060	< 0.010	0.365	< 0.005	< 0.005	179.0	< 0.010	< 0.050	< 0.020	0.1
8-Dec-08	-	-	-	-	-	< 0.005	148.0	-	-	-	< 0.1
10-Jun-09	-	-	-	-	-	< 0.005	128.0	-	-	-	< 0.1
7-Dec-09	1.590	< 0.060	0.013	0.399	< 0.005	< 0.005	203.0	< 0.010	< 0.050	< 0.020	0.4
14-Dec-09	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	0.270	< 0.060	< 0.010	0.211	< 0.005	< 0.005	95.6	< 0.010	< 0.050	< 0.020	0.1
8-Dec-10	-	-	-	-	-	< 0.005	96.8	-	-	-	0.2
7-Jun-11	-	-	-	-	-	< 0.005	152.0	-	-	-	0.2
D-plicate	-	-	-	-	-	< 0.005	138.0	-	-	-	0.3
13-Dec-11	< 0.100	< 0.060	< 0.010	0.090	< 0.005	< 0.005	39.0	< 0.010	< 0.050	< 0.020	< 0.1
19-Jun-12	0.190	< 0.060	< 0.010	0.140	< 0.005	< 0.005	66.7	< 0.010	< 0.050	< 0.020	< 0.1
12-Dec-12	-	-	-	-	-	< 0.005	71.9	-	-	-	< 0.1
18-Jun-13	-	-	-	-	-	< 0.005	46.7	-	-	-	< 0.1
10-Dec-13	< 0.100	< 0.060	< 0.010	0.069	< 0.003	< 0.005	27.3	< 0.010	< 0.050	< 0.020	< 0.1
17-Jun-14	0.150	< 0.060	< 0.010	0.111	< 0.003	< 0.005	57.9	< 0.010	< 0.050	< 0.020	< 0.1
9-Dec-14	Pump not functional	-	-	-	-	-	-	-	-	-	-
17-Jun-15	Pump not functional	-	-	-	-	-	-	-	-	-	-
15-Dec-15	Pump not functional	-	-	-	-	-	-	-	-	-	-
22-Jun-16	Pump not functional	-	-	-	-	-	-	-	-	-	-
14-Dec-16	No Pump in well	-	-	-	-	-	-	-	-	-	-
21-Jun-17	-	-	-	-	-	< 0.005	16.4	-	-	-	< 0.1
13-Dec-17	-	-	-	-	-	< 0.005	346.0	-	-	-	0.1
19-Jun-18	0.275	< 0.060	< 0.010	0.670	< 0.003	< 0.005	414.0	< 0.010	< 0.050	< 0.020	0.6
12-Dec-18	-	-	-	-	-	< 0.005	192.0	-	-	-	1.1
19-Jun-19	-	-	-	-	-	< 0.005	22.4	-	-	-	0.2
19-Dec-19	0.123	< 0.060	< 0.010	0.092	< 0.003	< 0.005	41.3	< 0.010	< 0.050	< 0.020	< 0.1
23-Jun-20	0.140	< 0.060	< 0.010	0.037	< 0.003	< 0.005	19.2	< 0.010	< 0.050	< 0.020	0.1
8-Dec-20	-	-	-	-	-	< 0.005	18.6	-	-	-	0.2
25-Jun-21	-	-	-	-	-	< 0.005	18.2	-	-	-	0.2
21-Dec-21	< 0.100	< 0.060	< 0.010	0.062	< 0.003	< 0.005	20.6	< 0.010	< 0.050	< 0.020	< 0.1
23-Jun-22	0.101	< 0.060	< 0.010	0.065	< 0.003	< 0.005	28.1	< 0.010	< 0.050	< 0.020	0.1
13-Dec-22	-	-	-	-	-	< 0.005	15.1	-	-	-	< 0.1

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL METALS

GROUNDWATER LOWER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	Tl	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	0.0005	0.014	2
TRIGGER VALUES	0.009	47	0.23	-	-	25.5	322	-	-	-	-	0.05
<i>Monitoring Well</i> MW-12D												
23-Jun-04	-	9.0	-	-	-	11.70	77.0	-	-	-	-	-
7-Dec-04	< 0.005	14.3	< 0.010	-	-	8.85	82.7	-	-	-	-	-
22-Jun-05	< 0.005	4.2	< 0.010	-	-	11.60	79.2	-	-	-	-	-
6-Dec-05	< 0.005	7.3	< 0.010	< 0.0003	< 0.04	8.94	78.4	< 0.005	< 0.010	< 0.006	< 0.010	< 0.020
21-Jun-06	< 0.005	4.9	< 0.010	< 0.0003	< 0.04	8.57	91.6	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
7-Dec-06	< 0.005	4.3	< 0.010	-	-	8.66	91.6	-	-	-	-	-
26-Jun-07	< 0.005	4.4	< 0.010	-	-	10.40	85.3	-	-	-	-	-
11-Dec-07	< 0.005	2.2	< 0.010	< 0.0003	< 0.04	8.37	91.2	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
16-Jun-08	< 0.005	5.6	< 0.010	< 0.0003	< 0.04	10.00	80.9	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Dec-08	< 0.005	1.7	< 0.010	-	-	8.60	85.5	-	-	-	-	-
10-Jun-09	< 0.005	2.3	< 0.010	-	-	7.80	81.7	-	-	-	-	-
7-Dec-09	< 0.005	14.2	< 0.010	< 0.0003	< 0.04	8.30	82.5	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
14-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	< 0.005	3.6	< 0.010	< 0.0003	< 0.04	7.90	92.1	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
8-Dec-10	< 0.005	2.9	< 0.010	-	-	8.40	95.6	-	-	-	-	-
7-Jun-11	< 0.005	5.2	< 0.010	-	-	9.20	97.9	-	-	-	-	-
D-plicate	< 0.005	5.8	< 0.010	-	-	9.10	100.0	-	-	-	-	-
13-Dec-11	< 0.005	3.2	< 0.010	< 0.0002	< 0.04	8.00	112.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
19-Jun-12	< 0.005	4.2	< 0.010	< 0.0002	< 0.04	8.60	101.0	< 0.010	< 0.010	< 0.010	< 0.050	< 0.020
12-Dec-12	< 0.005	6.2	< 0.010	-	-	8.20	105.0	-	-	-	-	-
18-Jun-13	< 0.005	4.3	< 0.010	-	-	8.30	110.0	-	-	-	-	-
10-Dec-13	< 0.005	5.7	< 0.010	< 0.0002	< 0.04	9.10	123.0	< 0.010	< 0.010	< 0.010	< 0.1	< 0.020
17-Jun-14	< 0.005	5.6	< 0.010	< 0.0002	< 0.04	8.90	109.0	< 0.010	< 0.010	< 0.010	< 0.1	< 0.020
9-Dec-14	Pump not functional	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	Pump not functional	-	-	-	-	-	-	-	-	-	-	-
15-Dec-15	Pump not functional	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	Pump not functional	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	No Pump in well	-	-	-	-	-	-	-	-	-	-	-
21-Jun-17	< 0.005	4.3	< 0.010	-	-	6.90	95.4	-	-	-	-	-
13-Dec-17	< 0.005	< 1.0	< 0.010	-	-	9.20	70.1	-	-	-	-	-
19-Jun-18	< 0.005	< 1.0	< 0.010	< 0.0002	< 0.04	9.63	62.5	< 0.010	< 0.010	< 0.010	< 0.1	< 0.020
12-Dec-18	< 0.005	< 1.0	0.012	-	-	9.10	84.8	-	-	-	-	-
19-Jun-19	< 0.005	2.9	< 0.010	-	-	8.60	108.0	-	-	-	-	-
19-Dec-19	< 0.005	1.2	< 0.010	< 0.0002	< 0.04	8.14	94.8	< 0.010	< 0.010	< 0.010	< 0.1	< 0.020
23-Jun-20	< 0.005	2.0	< 0.010	< 0.0002	< 0.04	8.30	104.0	< 0.010	< 0.010	< 0.010	< 0.1	< 0.020
8-Dec-20	< 0.005	2.3	< 0.010	-	-	7.70	96.1	-	-	-	-	-
25-Jun-21	< 0.005	2.9	< 0.010	-	-	7.40	94.3	-	-	-	-	-
21-Dec-21	< 0.005	2.7	< 0.010	< 0.0002	< 0.04	7.32	97.1	< 0.010	< 0.010	< 0.010	< 0.1	< 0.020
23-Jun-22	< 0.005	2.8	< 0.010	< 0.0002	< 0.04	7.46	93.5	< 0.010	< 0.010	< 0.010	< 0.1	< 0.020
13-Dec-22	< 0.005	2.4	< 0.010	-	-	7.10	94.8	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER LOWER AQUIFER	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	CU	Fe
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	0.003	0.005	-	0.05	0.005	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-12D											
23-Jun-04	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-
22-Jun-05	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-
21-Jun-06	-	-	-	-	-	-	-	-	-	-	-
7-Dec-06	-	-	-	-	-	-	-	-	-	-	-
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-
16-Jun-08	-	-	-	-	-	-	-	-	-	-	-
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-
10-Jun-09	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	-	-	-	-	-	-	-	-	-	-	-
14-Dec-09	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	-	-	-	-	-	-	-	-	-	-	-
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-
D-plicate	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-
19-Jun-12	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-
10-Dec-13	-	-	-	-	-	-	-	-	-	-	-
17-Jun-14	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	Pump not functional	-	-	-	-	-	-	-	-	-	-
17-Jun-15	Pump not functional	-	-	-	-	-	-	-	-	-	-
15-Dec-15	Pump not functional	-	-	-	-	-	-	-	-	-	-
22-Jun-16	Pump not functional	-	-	-	-	-	-	-	-	-	-
14-Dec-16	No Pump in well	-	-	-	-	-	-	-	-	-	-
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

DISSOLVED METALS

GROUNDWATER LOWER AQUIFER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	Tl	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	35	0.3	0.0007	0.1	-	20	0.01	0.05	-	0.014	2
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well</i> MW-12D												
23-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-06	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-10	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
D-plicate	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-12	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-13	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-14	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-14	Pump not functional	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	Pump not functional	-	-	-	-	-	-	-	-	-	-	-
15-Dec-15	Pump not functional	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	Pump not functional	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	No Pump in well	-	-	-	-	-	-	-	-	-	-	-
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER LOWER AQUIFER	Acetone	Benzene	Bromo-dichloro-methane	Bromo-form	Bromo-methane	2-Butanone (MEK)	Carbon Disulfide	Carbon-Tetra-chloride	Chloro-benzene	Chloro-ethane	Chloro-form	Chloro-methane
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	1	50	50	5	50	60	5	5	5	7	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-12D</i>												
23-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
21-Jun-06	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
7-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
16-Jun-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-09	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Jun-10	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
D-plicate	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	12.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
19-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
17-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Dec-14	Pump not functional	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	Pump not functional	-	-	-	-	-	-	-	-	-	-	-
15-Dec-15	Pump not functional	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	Pump not functional	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	No Pump in well	-	-	-	-	-	-	-	-	-	-	-
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	16.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	18.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
23-Jun-22	11.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER LOWER AQUIFER	Dibromo-chloro-methane	Dichloro-difluoro-methane	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1-Dichloro-ethene	Cis-1,2-Dichloro-ethene	Trans-1,2-Dichloro-ethene	1,2-Dichloro-propane	Cis-1,3-Dichloro-propene	Trans-1,3-Dichloro-propene	Ethyl-benzene	2-Hexanone	Methylene-Chloride
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	5	5	0.6	5	5	5	1	0.4	0.4	5	50	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Monitoring Well MW-12D</i>													
23-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
21-Jun-06	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
7-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
16-Jun-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-09	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Jun-10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-	-
D-plicate	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
19-Jun-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
17-Jun-14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Dec-14	-	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-15	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	No Pump in well		-	-	-	-	-	-	-	-	-	-	-
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-20	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
23-Jun-22	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER LOWER AQUIFER	4-Methyl- Pentanone	Styrene	1,1,2,2- Tetrachloro- ethane	Tetra- chloro- ethene	Toluene	1,1,1- Trichloro- ethane	1,1,2- Trichloro- ethane	Trichloro- ethene	Vinyl Chloride	O- Xylene	M & P- Xylene	SUM OF ORGANIC COMPUNDS (DETECTED)
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(Ug/l)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
<i>Monitoring Well MW-12D</i>												
23-Jun-04	-	-	-	-	-	-	-	-	-	-	-	0
7-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-05	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
21-Jun-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
7-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-07	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
16-Jun-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-09	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Jun-10	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
7-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
D-plicate	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	12
19-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
10-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
17-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Dec-14	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-15	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	No Pump in well		-	-	-	-	-	-	-	-	-	-
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	16
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	16
23-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
23-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA**

SURFACE WATER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP. (deg. F)	Eh (mV)	DISS OX (mg/L)	pH (Std Units)	SP. COND. (uS/cm)	TURB. (-U)	COLOR (Pt/Cl)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 SURFACEWATER STANDARD	-	-	-	6.5 -- 8.5	-	-	-	-	-	500	-	-
SW-1 (Upstream)												
13-Jun-00	59.50	-	4.19	6.98	950	39.0	-	424	505	568	65.2	45.6
12-Dec-00	47.50	-	0.00	8.00	1001	33.0	10.0	420	570	670	127.0	64.0
6-Jun-02	59.40	237.0	8.11	7.32	603	614.0	-	365	427	465	26.1	43.9
12-Dec-02	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-03	43.40	-	8.51	7.54	780	1.4	-	375	438	536	4.5	109.0
21-Jun-04	-	-	-	-	-	-	DRY	-	-	-	-	-
6-Dec-04	42.62	41.0	9.90	7.76	913	5.9	-	400	475	565	51.9	53.6
23-Jun-05	-	-	-	-	-	-	DRY	-	-	-	-	-
05-Dec-05	34.52	38.0	10.00	8.10	778	1.5	15.0	321	405	469	40.8	53.6
20-Jun-06	-	-	-	-	-	-	DRY	-	-	-	-	-
26-Dec-06	33.98	-	7.80	8.23	880	14.0	-	410	442	515	59.2	40.1
18-Jun-08	58.10	76.0	6.60	7.97	690	6.7	20.0	347	370	412	14.2	27.0
8-Dec-08	37.04	53.0	8.70	6.98	1242	2.9	-	508	611	735	112.0	57.1
8-Jun-09	56.48	69.0	7.64	7.73	782	8.9	-	400	389	475	16.3	26.9
7-Dec-09	40.28	-6.0	5.82	7.58	836	3.8	15.0	430	375	459	14.5	23.5
9-Jun-10	55.76	3.0	8.60	7.65	821	13.3	20.0	379	422	473	25.8	32.1
8-Dec-10	47.30	111.0	9.60	7.35	945	1.2	-	412	491	571	73.5	33.4
8-Dec-10	47.30	111.0	9.60	7.35	945	1.2	-	412	491	571	73.5	33.4
6-Jun-11	-	-	-	-	-	-	DRY	-	-	-	-	-
14-Dec-11	42.08	170.0	9.20	7.94	990	23.2	7.0	440	476	546	61.4	30.7
19-Jun-12	-	-	-	-	-	-	DRY	-	-	-	-	-
11-Dec-12	39.38	213.0	7.80	7.42	800	6.8	-	383	470	483	19.6	36.6
18-Jun-13	65.66	87.0	7.32	7.62	953	9.3	-	410	480	580	73.7	26.4
11-Dec-13	38.12	165.0	8.45	7.67	1164	2.0	17.0	445	530	683	119.0	44.0
17-Jun-14	62.42	128.0	5.67	7.41	956	5.8	23.0	464	501	544	300.0	15.1
8-Dec-14	36.32	114.0	9.49	8.12	906	10.7	-	350	467	532	57.7	78.5
17-Jun-15	60.98	4.0	8.26	7.47	915	13.4	-	440	460	553	57.8	16.3
16-Dec-15	44.96	147.0	8.28	7.79	1180	4.4	17.0	440	555	694	159.0	34.4
21-Jun-16	-	-	-	-	-	-	DRY	-	-	-	-	-
14-Dec-16	38.66	200.0	10.70	7.66	887	11.2	22.0	400	422	477	41.0	21.9
21-Jun-17	64.04	-1.0	5.04	7.48	978	7.5	-	462	505	610	58.4	9.1
12-Dec-17	40.46	89.0	9.43	7.62	875	9.8	-	398	456	485	53.3	19.5
19-Jun-18	-	-	-	-	-	-	DRY	-	-	-	-	-
12-Dec-18	39.38	179.0	9.69	7.49	816	5.1	-	360	430	478	38.7	16.8
18-Jun-19	59.54	19.0	8.14	7.35	809	8.4	-	374	443	486	30.1	11.8
19-Dec-19	38.48	159.0	10.30	7.58	835	1.3	17.0	372	435	500	51.2	23.5
24-Jun-20	DRY	-	-	-	-	-	DRY	-	-	-	-	-
8-Dec-20	DRY	-	-	-	-	-	DRY	-	-	-	-	-
25-Jun-21	DRY	-	-	-	-	-	DRY	-	-	-	-	-
21-Dec-21	40.82	152.0	10.51	8.15	774	3.3	18.0	377	385	430	32.9	14.2
22-Jun-22	DRY	-	-	-	-	-	DRY	-	-	-	-	-
13-Dec-22	38.12	195.0	-	7.59	954	2.0	-	462	488	557	45.4	28.1

**TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA**

INORGANIC PARAMETERS

SURFACE WATER	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 SURFACEWATER STANDARD	-	10	0.011	-	2.0	-	-	-	-	-	0.0052
SW-1 (Upstream)											
13-Jun-00	ND	-	-	1.070	ND	0.590	12.80	ND	4.36	ND	-
12-Dec-00	ND	ND	ND	0.977	ND	0.804	9.27	ND	3.69	ND	ND
6-Jun-02	ND	-	-	ND	ND	0.857	32.20	ND	10.70	ND	-
12-Dec-02	-	-	-	-	-	-	-	-	-	-	-
11-Dec-03	ND	-	-	ND	ND	0.637	34.70	5.85	10.10	ND	-
21-Jun-04	DRY	-	-	-	-	-	-	-	-	-	-
6-Dec-04	< 1.00	-	-	4.690	< 0.050	0.325	11.20	< 2.00	4.47	< 0.00500	-
23-Jun-05	DRY	-	-	-	-	-	-	-	-	-	-
05-Dec-05	< 1.00	< 0.100	< 0.0100	4.230	< 0.050	0.287	10.00	< 2.00	3.50	< 0.00500	< 0.0100
20-Jun-06	DRY	-	-	-	-	-	-	-	-	-	-
26-Dec-06	< 1.00	-	-	0.666	< 0.050	0.499	7.68	< 2.00	3.78	< 0.00500	-
18-Jun-08	< 1.00	< 0.200	< 0.0100	< 0.500	0.052	0.626	7.51	< 2.00	3.67	< 0.00500	< 0.0100
8-Dec-08	< 1.00	-	-	0.688	< 0.050	0.333	13.90	< 2.00	4.79	< 0.00500	-
8-Jun-09	< 1.00	-	-	< 0.500	< 0.050	0.430	6.40	< 2.00	4.00	< 0.00500	-
7-Dec-09	< 1.00	< 0.200	< 0.0100	< 0.500	< 0.050	< 0.200	< 5.00	< 2.00	4.90	< 0.00500	< 0.0100
9-Jun-10	< 1.00	< 0.200	< 0.0100	2.660	< 0.050	0.500	13.10	< 2.00	5.80	< 0.00500	< 0.0100
8-Dec-10	< 1.00	-	-	< 1.000	< 0.050	2.200	8.90	< 2.00	4.30	< 0.00500	-
8-Dec-10	< 1.00	-	-	< 1.000	< 0.050	2.200	8.90	< 2.00	4.30	< 0.00500	-
6-Jun-11	DRY	-	-	-	-	-	-	-	-	-	-
14-Dec-11	< 1.00	< 0.200	< 0.0100	< 1.000	< 0.050	0.350	12.40	< 2.00	3.70	< 0.00500	< 0.0100
19-Jun-12	DRY	-	-	-	-	-	-	-	-	-	-
11-Dec-12	< 1.00	-	-	< 1.000	< 0.050	0.510	17.40	< 2.00	8.20	< 0.00500	-
18-Jun-13	< 1.00	-	-	< 1.000	< 0.050	0.480	18.90	< 2.00	6.20	< 0.00500	-
11-Dec-13	< 1.00	< 0.200	< 0.0100	0.340	< 0.050	0.340	8.10	< 2.00	5.60	< 0.00500	< 0.0100
17-Jun-14	< 1.00	< 0.200	< 0.0100	< 1.000	0.059	0.670	12.80	< 2.00	6.40	< 0.00500	< 0.0100
8-Dec-14	< 1.00	-	-	< 1.000	< 0.050	0.790	17.90	< 2.00	7.90	0.00560	-
17-Jun-15	< 1.00	-	-	< 1.000	0.066	0.470	15.80	< 2.00	5.30	< 0.00500	-
16-Dec-15	< 1.00	< 0.200	< 0.0100	< 1.000	< 0.050	0.290	21.70	< 2.00	7.10	< 0.00500	< 0.0100
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-
14-Dec-16	< 1.00	< 0.200	< 0.0100	< 1.000	< 0.050	0.390	12.80	< 2.00	4.80	< 0.00500	< 0.0100
21-Jun-17	< 1.00	-	-	< 1.000	-	0.600	12.70	< 2.00	6.90	< 0.00500	-
12-Dec-17	< 1.00	-	-	< 1.000	< 0.050	0.310	12.70	< 2.00	4.50	< 0.00500	-
19-Jun-18	DRY	-	-	-	-	-	-	-	-	-	-
12-Dec-18	< 1.00	-	-	< 1.000	< 0.050	0.290	9.50	< 2.00	3.80	< 0.00500	-
18-Jun-19	< 1.00	-	-	< 1.000	< 0.050	0.320	10.10	< 2.00	4.70	< 0.00500	-
19-Dec-19	< 1.00	< 0.200	< 0.0100	< 1.000	< 0.050	0.390	15.50	< 2.00	3.10	< 0.00500	< 0.0100
24-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-
8-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-
25-Jun-21	DRY	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 1.00	< 0.200	< 0.0100	< 1.000	< 0.050	0.390	6.60	< 2.00	4.00	< 0.00500	< 0.0050
22-Jun-22	DRY	-	-	-	-	-	-	-	-	-	-
13-Dec-22	< 1.00	-	-	< 1.000	< 0.050	0.390	14.80	< 2.00	5.00	< 0.00500	-

TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA

SURFACE WATER	TOTAL METALS										
	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 SURFACEWATER STANDARD	0.1	-	0.15	-	1.1	Varies	-	Varies	0.005	Varies	0.3
SW-1 (Upstream)											
13-Jun-00	-	-	-	-	-	ND	131.0	-	-	-	1.750
12-Dec-00	7.350	ND	ND	0.186	ND	ND	146.0	ND	ND	ND	8.510
6-Jun-02	-	-	-	-	-	ND	102.0	-	-	-	2.240
12-Dec-02	-	-	-	-	-	-	-	-	-	-	-
11-Dec-03	-	-	-	-	-	ND	103.0	-	-	-	0.928
21-Jun-04	DRY	-	-	-	-	-	-	-	-	-	-
6-Dec-04	-	-	-	-	-	< 0.00500	125.0	-	-	-	0.172
23-Jun-05	DRY	-	-	-	-	-	-	-	-	-	-
05-Dec-05	< 0.200	< 0.0600	0.0100	-	< 0.00500	< 0.00500	102.0	< 0.0100	< 0.0100	< 0.0100	< 0.100
20-Jun-06	DRY	-	-	-	-	-	-	-	-	-	-
26-Dec-06	-	-	-	-	-	< 0.00500	119.0	-	-	-	1.390
18-Jun-08	0.314	< 0.0600	< 0.0100	0.058	< 0.00500	< 0.00500	85.0	< 0.0100	< 0.5000	< 0.0200	0.260
8-Dec-08	-	-	-	-	-	< 0.00500	153.0	-	-	-	< 0.100
8-Jun-09	-	-	-	-	-	< 0.00500	97.3	-	-	-	0.840
7-Dec-09	0.310	< 0.0600	< 0.0100	0.057	< 0.00500	< 0.00500	88.8	< 0.0100	< 0.0500	< 0.0200	0.300
9-Jun-10	1.180	< 0.0600	< 0.0100	0.069	< 0.00500	< 0.00500	94.7	< 0.0100	< 0.0500	< 0.0200	0.970
8-Dec-10	-	-	-	-	-	< 0.00500	121.0	-	-	-	0.180
8-Dec-10	-	-	-	-	-	< 0.00500	121.0	-	-	-	0.180
6-Jun-11	DRY	-	-	-	-	-	-	-	-	-	-
14-Dec-11	0.700	< 0.0600	< 0.0100	0.119	< 0.00500	< 0.00500	127.0	< 0.0100	< 0.0500	< 0.0200	0.510
19-Jun-12	DRY	-	-	-	-	-	-	-	-	-	-
11-Dec-12	-	-	-	-	-	< 0.00500	117.0	-	-	-	< 0.100
18-Jun-13	-	-	-	-	-	< 0.00500	121.0	-	-	-	0.520
11-Dec-13	< 0.100	< 0.0600	< 0.0100	0.111	< 0.00300	< 0.00500	139.0	< 0.0100	< 0.0500	< 0.0200	< 0.100
17-Jun-14	0.720	< 0.0600	< 0.0100	0.114	< 0.00300	< 0.00500	136.0	< 0.0100	< 0.0500	< 0.0200	0.730
8-Dec-14	-	-	-	-	-	< 0.00500	114.0	-	-	-	0.610
17-Jun-15	-	-	-	-	-	< 0.00500	115.0	-	-	-	0.170
16-Dec-15	0.817	< 0.0600	< 0.0100	0.132	< 0.00300	< 0.00500	144.0	< 0.0100	< 0.0500	< 0.0200	0.777
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-
14-Dec-16	0.500	< 0.0600	< 0.0100	0.102	< 0.00300	< 0.00500	107.0	< 0.0100	< 0.0500	< 0.0200	0.373
21-Jun-17	-	-	-	-	-	< 0.00500	133.0	-	-	-	0.710
12-Dec-17	-	-	-	-	-	< 0.00500	117.0	-	-	-	0.580
19-Jun-18	DRY	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	< 0.00500	110.0	-	-	-	< 0.100
18-Jun-19	-	-	-	-	-	< 0.00500	116.0	-	-	-	0.170
19-Dec-19	< 0.100	< 0.0600	< 0.0100	0.098	< 0.00300	< 0.00500	113.0	< 0.0100	< 0.0500	< 0.0200	0.100
24-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-
8-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-
25-Jun-21	DRY	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 0.100	< 0.0600	< 0.0100	0.086	< 0.00300	< 0.00500	100.0	< 0.0100	< 0.0500	< 0.0200	< 0.100
22-Jun-22	DRY	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	< 0.00500	128.0	-	-	-	< 0.100

TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA

TOTAL METALS

SURFACE WATER	Pb	Mg	Mn	Hg	Ni	K	Na	Se	Ag	Tl	V	Zn
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 SURFACEWATER STANDARD	Varies	-	-	0.00077	Varies	-	-	0.0046	0.0001	0.008	0.014	Varies
SW-1 (Upstream)												
13-Jun-00	ND	41.5	0.734	-	-	ND	28.8	-	-	-	-	-
12-Dec-00	ND	49.5	0.542	ND	ND	3.39	36.0	0.0064	ND	ND	ND	ND
6-Jun-02	ND	33.9	0.434	-	-	ND	15.3	-	-	-	-	-
12-Dec-02	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-03	ND	46.4	0.271	-	-	3.76	18.4	-	-	-	-	-
21-Jun-04	DRY	-	-	-	-	-	-	-	-	-	-	-
6-Dec-04	< 0.00500	43.6	< 0.010	-	-	2.72	23.6	-	-	-	-	-
23-Jun-05	DRY	-	-	-	-	-	-	-	-	-	-	-
05-Dec-05	< 0.00500	35.0	< 0.010	< 0.000300	< 0.0400	2.78	19.9	< 0.0050	< 0.0100	< 0.0060	< 0.0100	< 0.0200
20-Jun-06	DRY	-	-	-	-	-	-	-	-	-	-	-
26-Dec-06	< 0.00500	40.2	0.084	-	-	2.36	26.1	-	-	-	-	-
18-Jun-08	< 0.00500	31.3	0.096	< 0.000300	< 0.0400	3.82	22.5	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
8-Dec-08	< 0.00500	55.1	0.023	-	-	2.15	50.2	-	-	-	-	-
8-Jun-09	< 0.00500	34.8	0.082	-	-	3.60	30.7	-	-	-	-	-
7-Dec-09	< 0.00500	34.2	0.012	< 0.000300	< 0.0400	3.50	48.3	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
9-Jun-10	< 0.00500	34.2	0.025	< 0.000300	< 0.0400	4.00	24.8	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
8-Dec-10	< 0.00500	42.0	0.031	-	-	2.00	33.4	-	-	-	-	-
8-Dec-10	< 0.00500	42.0	0.031	-	-	2.00	33.4	-	-	-	-	-
6-Jun-11	DRY	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	< 0.00500	44.9	0.052	< 0.000200	< 0.0400	3.50	32.1	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
19-Jun-12	DRY	-	-	-	-	-	-	-	-	-	-	-
11-Dec-12	< 0.00500	41.7	0.011	-	-	4.60	14.2	-	-	-	-	-
18-Jun-13	< 0.00500	41.6	0.321	-	-	2.20	27.6	-	-	-	-	-
11-Dec-13	< 0.00500	50.3	< 0.010	< 0.000200	< 0.0400	2.40	44.9	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
17-Jun-14	< 0.00500	43.3	0.842	< 0.000200	< 0.0400	2.70	25.8	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
8-Dec-14	< 0.00500	39.4	0.012	-	-	4.10	29.9	-	-	-	-	-
17-Jun-15	< 0.00500	38.2	0.153	-	-	2.00	25.2	-	-	-	-	-
16-Dec-15	< 0.00500	47.6	0.116	< 0.000200	< 0.0400	2.15	44.4	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	< 0.00500	37.2	0.021	< 0.000200	< 0.0400	2.29	22.0	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
21-Jun-17	< 0.00500	41.9	0.692	-	-	2.80	27.1	-	-	-	-	-
12-Dec-17	< 0.00500	40.2	0.161	-	-	2.50	26.6	-	-	-	-	-
19-Jun-18	DRY	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	< 0.00500	37.8	0.039	-	-	2.10	25.3	-	-	-	-	-
18-Jun-19	< 0.00500	37.3	0.236	-	-	< 2.00	20.3	-	-	-	-	-
19-Dec-19	< 0.00500	37.1	0.014	< 0.000200	< 0.0400	2.10	24.9	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
24-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	DRY	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 0.00500	32.8	0.030	< 0.000200	< 0.0400	< 2.00	19.2	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
22-Jun-22	DRY	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	< 0.00500	41.0	< 0.010	-	-	3.10	24.4	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA

SURFACE WATER	ORGANIC PARAMETERS (DETECTED)											
	Acetone ug/l	Benzene ug/l	Bromo- dichloro- methane ug/l	Bromo- form ug/l	Bromo- methane ug/l	2-Butanone (MEK) ug/l	Carbon Disulfide ug/l	Carbon- Tetra- chloride ug/l	Chloro- benzene ug/l	Chloro- ethane ug/l	Chloro- form ug/l	Chloro- methane ug/l
6NYCRR Part 703 SURFACEWATER STANDARD	-	210	-	-	-	-	-	-	5	-	-	-
SW-1 (Upstream)												
13-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-02	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-04	DRY	-	-	-	-	-	-	-	-	-	-	-
6-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	DRY	-	-	-	-	-	-	-	-	-	-	-
05-Dec-05	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-06	DRY	-	-	-	-	-	-	-	-	-	-	-
26-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Jun-10	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
6-Jun-11	DRY	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
19-Jun-12	DRY	-	-	-	-	-	-	-	-	-	-	-
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
17-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
16-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	DRY	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
24-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	DRY	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-22	DRY	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA**

SURFACE WATER	ORGANIC PARAMETERS (DETECTED)												
	Dibromo- methane ug/l	Dichloro- difluoro- methane ug/l	1,1- Dichloro- ethane ug/l	1,2- Dichloro- ethane ug/l	1,1- Dichloro- ethene ug/l	Cis-1,2- Dichloro- ethene ug/l	Trans-1,2- Dichloro- ethene ug/l	1,2- Dichloro- propane ug/l	Cis-1,3- Dichloro- propene ug/l	Trans-1,3- Dichloro- propene ug/l	Ethyl- benzene ug/l	2- Hexanone ug/l	Methylene- Chloride ug/l
6NYCRR Part 703 SURFACEWATER STANDARD	-	-	-	-	-	-	-	-	-	-	17	-	200
SW-1 (Upstream)													
13-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-02	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-04	DRY	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	DRY	-	-	-	-	-	-	-	-	-	-	-	-
05-Dec-05	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-06	DRY	-	-	-	-	-	-	-	-	-	-	-	-
26-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Jun-10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Jun-11	DRY	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
19-Jun-12	DRY	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
17-Jun-14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-14	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
17-Jun-15	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
16-Dec-15	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	DRY	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
24-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	DRY	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-22	DRY	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA

SURFACE WATER	ORGANIC PARAMETERS (DETECTED)											SUM OF ORGANIC COMPOUNDS (DETECTED)
	4-Methyl-2-Pentanone ug/l	Styrene ug/l	1,1,2,2-Tetrachloroethane ug/l	Tetrachloroethene ug/l	Toluene ug/l	1,1,1-Trichloroethane ug/l	1,1,2-Trichloroethane ug/l	Trichloroethene ug/l	Vinyl Chloride ug/l	O-Xylene ug/l	M & P-Xylene ug/l	
6NYCRR Part 703 SURFACEWATER STANDARD	-	-	-	1	100	-	-	40	-	65	65	
SW-1 (Upstream)												
13-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
6-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-02	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-04	DRY	-	-	-	-	-	-	-	-	-	-	-
6-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
23-Jun-05	DRY	-	-	-	-	-	-	-	-	-	-	-
05-Dec-05	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-06	DRY	-	-	-	-	-	-	-	-	-	-	-
26-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-08	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Jun-10	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
6-Jun-11	DRY	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
19-Jun-12	DRY	-	-	-	-	-	-	-	-	-	-	-
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
17-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
16-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	DRY	-	-	-	-	-	-	-	-	-	-	-
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
24-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-	-
8-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	DRY	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-22	DRY	-	-	-	-	-	-	-	-	-	-	-
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA**

SURFACE WATER	FIELD PARAMETERS						INORGANIC PARAMETERS					
	TEMP. (deg. F)	Eh (mV)	DISS OX (mg/L)	pH (Std Units)	SP. COND. (uS/cm)	TURB. (-U)	COLOR (Pt/Cl)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 SURFACEWATER STANDARD	-	-	-	6.5 -- 8.5	-	-	-	-	-	500	-	-
SW-2 (Downstream)												
13-Jun-00	59.70	-	8.74	8.33	655	25.0	-	351	416	472	42.00	46.0
12-Dec-00	-	-	-	-	-	-	40.0	363	417	513	59.50	51.5
6-Jun-02	57.20	307.0	12.22	8.25	7.54	972.0	-	301	383	477	33.80	47.0
12-Dec-02	35.50	57.0	10.40	8.13	511	99.2	50.0	334	390	478	35.70	64.8
25-Jun-03	63.68	275.1	7.78	-	745	5.4	20.0	350	365	458	29.20	41.8
11-Dec-03	39.90	-	14.31	8.30	515	-0.4	-	340	390	558	70.90	71.0
21-Jun-04	59.00	106.0	12.60	8.41	630	2.1	15.0	350	380	436	25.70	40.3
6-Dec-04	41.36	53.0	10.50	6.95	975	7.0	-	425	490	592	58.60	58.3
21-Jun-05	59.00	23.0	8.60	8.26	808	5.2	-	360	400	496	34.10	42.5
5-Dec-05	39.02	108.0	9.10	8.02	773	14.7	10.0	330	400	459	40.80	41.7
20-Jun-06	63.32	160.0	7.80	7.69	604	5.8	20.0	349	392	496	29.00	37.5
26-Dec-06	34.70	-	8.00	8.34	817	4.4	-	370	461	505	43.00	41.8
18-Jun-08	59.18	86.0	8.00	7.99	850	11.3	20.0	400	472	522	30.10	42.8
8-Dec-08	33.44	80.0	10.00	7.39	940	2.8	-	449	473	580	47.40	51.6
8-Jun-09	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	37.94	48.0	6.90	7.77	1275	14.3	15.0	860	608	685	152.00	56.1
9-Jun-10	58.10	12.0	6.41	7.29	1072	6.1	15.0	469	598	626	57.90	37.3
8-Dec-10	40.82	107.0	12.30	8.07	899	1.2	-	378	481	545	47.40	43.5
6-Jun-11	62.06	100.0	7.16	7.61	742	9.9	-	382	405	477	23.40	34.5
14-Dec-11	36.86	109.0	12.70	8.00	900	4.6	13.0	397	455	534	43.50	42.9
19-Jun-12	68.72	129.0	7.88	8.22	778	9.6	38.0	383	401	460	19.70	24.9
11-Dec-12	39.38	22.0	11.30	8.13	797	8.4	-	367	480	474	21.80	45.2
18-Jun-13	63.86	38.0	9.30	8.28	888	1.7	-	370	442	548	46.00	43.3
11-Dec-13	34.34	137.0	14.50	7.94	924	2.2	25.0	390	450	553	60.80	46.5
17-Jun-14	62.60	78.0	8.37	8.11	120.1	180.1	17.0	360	363	430	23.00	31.0
8-Dec-14	33.44	104.0	11.37	8.26	784	2.4	-	340	365	448	34.70	43.4
17-Jun-15	61.88	-55.0	8.73	8.31	811	8.2	-	367	420	511	42.20	27.6
16-Dec-15	44.60	135.0	7.81	8.19	920	1.3	28.0	400	437	541	60.70	38.3
21-Jun-16	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	40.46	187.0	10.90	8.19	832	1.9	34.0	340	389	462	39.10	34.5
21-Jun-17	63.86	35.0	8.60	8.32	774	6.7	-	363	400	435	29.40	25.5
12-Dec-17	36.14	233.0	11.60	7.79	814	1.1	-	387	439	466	32.00	31.2
19-Jun-18	64.22	109.0	7.83	8.05	788	3.8	28.0	403	386	462	18.20	23.9
12-Dec-18	35.96	56.0	13.00	7.86	818	1.3	-	350	438	475	31.40	27.0
18-Jun-19	58.46	29.0	8.67	8.26	762	13.3	-	340	412	453	24.60	26.4
19-Dec-19	32.54	88.0	12.60	8.06	838	1.7	20.0	3.76	450	524	44.40	35.0
24-Jun-20	68.90	-81.0	7.86	8.29	731	18.4	42.0	348	368	439	20.60	24.0
8-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	DRY	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	41.18	73.0	13.30	8.18	792	5.1	22.0	378	398	452	29.00	23.4
22-Jun-22	64.04	146.0	7.54	7.93	795	4.5	12.0	398	367	448	17.00	24.0
13-Dec-22	35.42	204.0	-	8.01	790	1.4	-	391	376	467	26.60	27.7

TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA

INORGANIC PARAMETERS

SURFACE WATER	Br	BORON	Cr+6	NO3-N	NH3-N	TKN	COD	BOD-5	TOC	TOTAL PHENOLS	TOTAL CYANIDE
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
6NYCRR Part 703 SURFACEWATER STANDARD	-	10	0.011	-	2.0	-	-	-	-	-	0.0052
SW-2 (Downstream)											
13-Jun-00	ND	-	-	2.620	ND	0.557	10.20	ND	4.57	ND	-
12-Dec-00	ND	ND	ND	1.510	ND	0.431	12.80	ND	5.36	ND	ND
6-Jun-02	ND	-	-	6.870	ND	0.770	24.90	ND	8.70	ND	-
12-Dec-02	ND	ND	ND	3.180	ND	0.624	21.90	2.79	7.65	ND	ND
25-Jun-03	ND	ND	ND	0.630	ND	0.385	ND	ND	4.33	ND	ND
11-Dec-03	ND	-	-	3.960	ND	0.538	14.40	ND	6.58	ND	-
21-Jun-04	U	U	U	2.250	U	0.263	5.77	U	3.71	U	U
6-Dec-04	< 1.00	-	-	0.988	< 0.050	0.234	12.10	< 2.00	3.76	< 0.00500	-
21-Jun-05	< 1.00	-	-	3.350	< 0.050	0.528	13.00	< 2.00	4.08	< 0.00500	-
5-Dec-05	< 1.00	< 0.100	< 0.0100	0.644	< 0.050	0.300	10.40	< 2.00	3.16	< 0.00500	< 0.0100
20-Jun-06	< 1.00	< 0.200	< 0.0100	2.210	< 0.050	0.396	12.90	< 2.00	4.60	< 0.00500	< 0.0100
26-Dec-06	< 1.00	-	-	2.320	< 0.050	0.349	7.68	< 2.00	3.75	< 0.00500	-
18-Jun-08	< 1.00	< 0.200	< 0.0100	0.936	0.105	0.839	11.90	3.11	5.31	< 0.00500	< 0.0100
8-Dec-08	< 1.00	-	-	1.020	< 0.050	0.354	14.90	< 2.00	4.61	< 0.00500	-
8-Jun-09	DRY	-	-	-	-	-	-	-	-	-	-
7-Dec-09	< 1.00	< 2.000	< 0.0100	0.810	< 0.050	0.510	6.30	< 2.00	6.30	< 0.00500	< 0.0100
9-Jun-10	< 1.00	< 2.000	< 0.0100	0.610	< 0.050	0.430	11.80	< 2.00	5.50	< 0.00500	< 0.0100
8-Dec-10	< 1.00	-	-	4.900	< 0.050	0.380	8.90	< 2.00	4.70	< 0.00500	-
6-Jun-11	< 1.00	-	-	1.200	< 0.050	0.320	13.30	< 2.00	4.20	< 0.00500	-
14-Dec-11	< 1.00	< 0.200	< 0.0100	5.200	< 0.050	0.580	48.80	< 2.00	3.80	< 0.00500	< 0.0100
19-Jun-12	< 1.00	< 0.200	< 0.0100	< 1.000	< 0.050	0.360	17.70	< 2.00	4.90	< 0.00500	< 0.0100
11-Dec-12	< 1.00	-	-	1.300	< 0.050	0.530	20.80	< 2.00	9.60	< 0.00500	-
18-Jun-13	< 1.00	-	-	10.100	< 0.050	0.460	10.70	< 2.00	4.70	< 0.00500	-
11-Dec-13	< 1.00	< 0.200	< 0.0100	1.800	< 0.050	0.470	< 5.00	< 2.00	5.00	< 0.00500	< 0.0100
17-Jun-14	< 1.00	< 0.200	< 0.0100	< 1.000	< 0.050	< 0.200	8.20	< 2.00	4.50	< 0.00500	< 0.0100
8-Dec-14	< 1.00	-	-	2.800	< 0.050	0.410	7.50	< 2.00	5.80	< 0.00500	-
17-Jun-15	< 1.00	-	-	4.200	< 0.050	0.510	8.10	< 2.00	5.10	< 0.00500	-
16-Dec-15	< 1.00	< 0.200	< 0.0100	< 1.000	< 0.050	0.400	23.10	< 2.00	5.50	< 0.00500	< 0.0100
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-
14-Dec-16	< 1.00	< 0.200	< 0.0100	0.006	< 0.050	0.520	13.10	< 2.00	5.10	< 0.00500	< 0.0100
21-Jun-17	< 1.00	-	-	2.400	< 0.050	0.540	10.80	< 2.00	4.60	< 0.00500	-
12-Dec-17	< 1.00	-	-	1.500	< 0.050	0.320	13.10	< 2.00	3.70	< 0.00500	-
19-Jun-18	< 1.00	< 0.200	< 0.0100	< 1.000	< 0.050	0.350	8.50	< 2.00	9.30	< 0.00500	< 0.0100
12-Dec-18	< 1.00	-	-	2.700	< 0.050	0.460	9.10	< 2.00	4.10	< 0.00500	-
18-Jun-19	< 1.00	-	-	1.600	< 0.050	0.360	11.10	< 2.00	4.50	< 0.00500	-
19-Dec-19	< 1.00	< 0.200	< 0.0100	3.500	< 0.050	0.280	11.50	< 2.00	3.90	< 0.00500	< 0.0100
24-Jun-20	< 1.00	< 0.200	< 0.0100	< 1.000	< 0.050	0.410	10.00	< 2.00	4.60	< 0.00500	< 0.0050
8-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-
25-Jun-21	DRY	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 1.00	< 0.200	< 0.0100	3.000	< 0.050	0.320	6.30	< 2.00	3.70	< 0.00500	< 0.0050
22-Jun-22	< 1.00	< 0.200	< 0.0100	< 1.000	< 0.050	0.300	< 5.00	< 2.00	3.20	< 0.00500	< 0.0050
13-Dec-22	< 1.00	-	-	< 1.000	< 0.050	< 0.200	13.80	< 2.00	4.30	< 0.00500	-

TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA

TOTAL METALS

SURFACE WATER	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 SURFACEWATER STANDARD	0.1	-	0.15	-	1.1	Varies	-	Varies	0.005	Varies	0.3
SW-2 (Downstream)											
13-Jun-00	-	-	-	-	-	ND	96.6	-	-	-	0.502
12-Dec-00	ND	ND	ND	0.059	ND	ND	100.0	ND	ND	ND	0.117
6-Jun-02	-	-	-	-	-	ND	91.1	-	-	-	1.970
12-Dec-02	0.217	ND	ND	0.058	ND	ND	94.2	ND	ND	ND	0.173
25-Jun-03	0.945	ND	ND	0.080	ND	ND	102.0	ND	ND	ND	0.778
11-Dec-03	-	-	-	-	-	ND	100.0	-	-	-	0.530
21-Jun-04	0.118	U	U	0.060	U	U	92.4	U	U	U	0.115
6-Dec-04	-	-	-	-	-	< 0.00500	128.0	-	-	-	0.208
21-Jun-05	-	-	-	-	-	< 0.00500	105.0	-	0.0100	-	0.220
5-Dec-05	0.247	< 0.0600	0.0090	0.097	< 0.00500	< 0.00500	100.0	< 0.0100	< 0.0100	< 0.0100	0.226
20-Jun-06	0.808	< 0.0600	< 0.0100	0.079	< 0.00500	< 0.00500	105.0	< 0.0100	< 0.0500	< 0.0200	0.650
26-Dec-06	-	-	-	-	-	< 0.00500	110.0	-	-	-	0.358
18-Jun-08	4.060	< 0.0600	< 0.0100	0.121	< 0.00500	< 0.00500	118.0	< 0.0100	< 0.0500	0.0200	2.890
8-Dec-08	-	-	-	-	-	< 0.00500	121.0	-	-	-	0.127
8-Jun-09	DRY	-	-	-	-	-	-	-	-	-	-
7-Dec-09	1.370	< 0.0600	< 0.0100	0.121	< 0.00500	< 0.00500	147.0	< 0.0100	< 0.0500	< 0.0200	1.310
9-Jun-10	0.300	< 0.0600	< 0.0100	0.110	< 0.00500	< 0.00500	130.0	< 0.0100	< 0.0500	< 0.0200	0.390
8-Dec-10	-	-	-	-	-	< 0.00500	120.0	-	-	-	0.170
6-Jun-11	-	-	-	-	-	< 0.00500	102.0	-	-	-	0.230
14-Dec-11	0.280	< 0.0600	< 0.0100	0.072	< 0.00500	< 0.00500	114.0	< 0.0100	< 0.0500	< 0.0200	0.210
19-Jun-12	0.690	< 0.0600	< 0.0100	0.068	< 0.00500	< 0.00500	94.7	< 0.0100	< 0.0500	< 0.0200	0.650
11-Dec-12	-	-	-	-	-	< 0.00500	101.0	-	-	-	0.620
18-Jun-13	-	-	-	-	-	< 0.00500	111.0	-	-	-	1.060
11-Dec-13	< 0.100	< 0.0600	< 0.0100	0.076	< 0.00300	< 0.00500	123.0	< 0.0100	< 0.0500	< 0.0200	< 0.100
17-Jun-14	0.180	< 0.0600	< 0.0100	0.063	< 0.00300	< 0.00500	91.6	< 0.0100	< 0.0500	< 0.0200	0.150
8-Dec-14	-	-	-	-	-	< 0.00500	85.6	-	-	-	< 0.100
17-Jun-15	-	-	-	-	-	< 0.00500	102.0	-	-	-	0.230
16-Dec-15	< 0.100	< 0.0600	< 0.0100	0.070	< 0.00300	< 0.00500	111.0	< 0.0100	< 0.0500	< 0.0200	0.101
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-
14-Dec-16	0.102	< 0.0600	< 0.0100	0.067	< 0.00300	< 0.00500	96.2	< 0.0100	< 0.0500	< 0.0200	< 0.100
21-Jun-17	-	-	-	-	-	< 0.00500	101.0	-	-	-	0.510
12-Dec-17	-	-	-	-	-	< 0.00500	109.0	-	-	-	< 0.100
19-Jun-18	0.139	< 0.0600	< 0.0100	0.072	< 0.00300	< 0.00500	96.2	< 0.0100	< 0.0500	< 0.0200	0.122
12-Dec-18	-	-	-	-	-	< 0.00500	109.0	-	-	-	0.110
18-Jun-19	-	-	-	-	-	< 0.00500	102.0	-	-	-	0.620
19-Dec-19	< 0.100	< 0.0600	< 0.0100	0.073	< 0.00300	< 0.00500	113.0	< 0.0100	< 0.0500	< 0.0200	< 0.100
24-Jun-20	1.600	< 0.0600	< 0.0100	0.081	< 0.00300	< 0.00500	92.5	< 0.0100	< 0.0500	< 0.0200	1.190
8-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-
25-Jun-21	DRY	-	-	-	-	-	-	-	-	-	-
21-Dec-21	0.108	< 0.0600	< 0.0100	0.067	< 0.00300	< 0.00500	10.1	< 0.0100	< 0.0500	< 0.0200	0.124
22-Jun-22	0.945	< 0.0600	< 0.0100	0.076	< 0.00300	< 0.00500	91.3	< 0.0100	< 0.0500	< 0.0200	0.902
13-Dec-22	-	-	-	-	-	< 0.00500	92.6	-	-	-	< 0.100

TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA

TOTAL METALS

SURFACE WATER	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 SURFACEWATER STANDARD	Varies	-	-	0.00077	Varies	-	-	0.0046	0.0001	0.008	0.014	Varies
SW-2 (Downstream)												
13-Jun-00	ND	35.5	0.019	-	-	4.23	21.1	-	-	-	-	-
12-Dec-00	ND	38.7	ND	ND	ND	3.61	30.2	ND	ND	ND	ND	ND
6-Jun-02	ND	31.8	0.043	-	-	ND	15.6	-	-	-	-	-
12-Dec-02	ND	34.8	0.029	ND	ND	3.82	36.4	ND	ND	ND	ND	ND
25-Jun-03	ND	33.7	0.044	ND	ND	4.57	23.3	ND	ND	ND	ND	ND
11-Dec-03	ND	34.2	0.012	-	-	3.90	25.6	-	-	-	-	-
21-Jun-04	U	34.4	0.012	U	U	4.06	21.8	U	U	U	U	U
6-Dec-04	< 0.00500	42.2	0.137	-	-	< 2.00	30.8	-	-	-	-	-
21-Jun-05	< 0.00500	41.6	< 0.010	-	-	3.77	23.7	-	-	-	-	-
5-Dec-05	< 0.00500	32.3	< 0.010	< 0.000300	< 0.0400	1.74	22.1	< 0.0050	< 0.0100	< 0.0060	< 0.0100	< 0.0200
20-Jun-06	< 0.00500	39.4	0.015	< 0.000300	< 0.0400	3.77	25.5	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
26-Dec-06	< 0.00500	41.0	0.024	-	-	2.78	20.8	-	-	-	-	-
18-Jun-08	< 0.00500	42.5	0.194	< 0.000300	< 0.0400	4.99	15.4	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
8-Dec-08	< 0.00500	44.9	< 0.010	-	-	3.42	36.8	-	-	-	-	-
8-Jun-09	DRY	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	< 0.00500	51.0	0.043	< 0.000300	< 0.0400	3.20	48.1	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
9-Jun-10	< 0.00500	43.7	0.536	< 0.000300	< 0.0400	< 2.00	27.4	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
8-Dec-10	< 0.00500	44.3	< 0.010	-	-	3.10	24.8	-	-	-	-	-
6-Jun-11	< 0.00500	37.7	0.014	-	-	3.60	23.2	-	-	-	-	-
14-Dec-11	< 0.00500	44.9	< 0.010	< 0.000200	< 0.0400	5.80	23.1	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
19-Jun-12	< 0.00500	37.0	0.029	< 0.000200	< 0.0400	4.00	33.3	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
11-Dec-12	< 0.00500	38.2	0.034	-	-	5.40	17.4	-	-	-	-	-
18-Jun-13	< 0.00500	42.0	0.030	-	-	4.10	25.3	-	-	-	-	-
11-Dec-13	< 0.00500	46.8	< 0.010	< 0.000200	< 0.0400	3.80	35.0	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
17-Jun-14	< 0.00500	33.6	< 0.010	< 0.000200	< 0.0400	3.70	28.4	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
8-Dec-14	< 0.00500	35.7	< 0.010	-	-	3.90	35.4	-	-	-	-	-
17-Jun-15	< 0.00500	38.1	0.021	-	-	3.70	20.4	-	-	-	-	-
16-Dec-15	< 0.00500	39.0	0.014	< 0.000200	< 0.0400	3.90	35.0	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	< 0.00500	36.1	< 0.010	< 0.000200	< 0.0400	3.10	20.7	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
21-Jun-17	< 0.00500	35.5	0.014	-	-	4.00	20.7	-	-	-	-	-
12-Dec-17	< 0.00500	40.6	< 0.010	-	-	3.40	27.1	-	-	-	-	-
19-Jun-18	< 0.00500	35.5	0.023	< 0.000200	< 0.0400	3.97	30.6	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
12-Dec-18	< 0.00500	39.9	< 0.010	-	-	2.90	21.2	-	-	-	-	-
18-Jun-19	< 0.00500	38.3	0.023	-	-	4.10	19.4	-	-	-	-	-
19-Dec-19	< 0.00500	40.6	< 0.010	< 0.000200	< 0.0400	3.29	22.1	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
24-Jun-20	< 0.00500	33.2	0.054	< 0.000200	< 0.0400	4.59	25.4	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
8-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	DRY	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 0.00500	35.2	< 0.010	< 0.000200	< 0.0400	3.20	18.1	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
22-Jun-22	< 0.00500	33.8	0.034	< 0.000200	< 0.0400	4.01	29.6	< 0.0100	< 0.0100	< 0.0100	< 0.0500	< 0.0200
13-Dec-22	< 0.00500	35.2	< 0.010	-	-	3.30	32.8	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

SURFACE WATER	Acetone ug/l	Benzene ug/l	Bromo- dichloro- methane ug/l	Bromo- form ug/l	Bromo- methane ug/l	2-Butanone (MEK) ug/l	Carbon Disulfide ug/l	Carbon- Tetra- chloride ug/l	Chloro- benzene ug/l	Chloro- ethane ug/l	Chloro- form ug/l	Chloro- methane ug/l
6NYCRR Part 703 SURFACEWATER STANDARD	-	210	-	-	-	-	-	-	5	-	-	-
SW-2 (Downstream)												
13-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
25-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-04	U	U	U	U	U	U	U	U	U	U	U	U
6-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-05	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
20-Jun-06	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
26-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-08	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-09	DRY	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
9-Jun-10	< 20.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
6-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
19-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
17-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
16-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
24-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
8-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	DRY	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
22-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

**TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA**

ORGANIC PARAMETERS (DETECTED)

SURFACE WATER	Dibromo- chloro- methane ug/l	Dichloro- difluoro- methane ug/l	1,1- Dichloro- ethane ug/l	1,2- Dichloro- ethane ug/l	1,1- Dichloro- ethene ug/l	Cis-1,2- Dichloro- ethene ug/l	Trans-1,2- Dichloro- ethene ug/l	1,2- Dichloro- propane ug/l	Cis-1,3- Dichloro- propene ug/l	Trans-1,3- Dichloro- propene ug/l	Ethyl- benzene ug/l	2-Hexa- none ug/l	Methylene- Chloride ug/l
6NYCRR Part 703 SURFACEWATER STANDARD	-	-	-	-	-	-	-	-	-	-	17	-	200
SW-2 (Downstream)													
13-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
25-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-04	U	U	U	U	U	U	U	U	U	U	U	U	U
6-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-05	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
20-Jun-06	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
26-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-08	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-09	DRY	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
9-Jun-10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
19-Jun-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
17-Jun-14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-14	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
17-Jun-15	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
16-Dec-15	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
24-Jun-20	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
8-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	DRY	-	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
22-Jun-22	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA

SURFACE WATER	ORGANIC PARAMETERS (DETECTED)											SUM OF ORGANIC COMPUNDS (DETECTED)
	4-Methyl-2-Pentanone ug/l	Styrene ug/l	1,1,2,2-Tetrachloroethane ug/l	Tetra-chloro-ethene ug/l	Toluene ug/l	1,1,1-Trichloro-ethane ug/l	1,1,2-Trichloro-ethane ug/l	Trichloro-ethene ug/l	Vinyl Chloride ug/l	O-Xylene ug/l	M & P-Xylene ug/l	
6NYCRR Part 703 SURFACEWATER STANDARD	-	-	-	1	100	-	-	40	-	65	65	
SW-2 (Downstream)												
13-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
6-Jun-02	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
25-Jun-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
11-Dec-03	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-04	U	U	U	U	U	U	U	U	U	U	U	0
6-Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-05	-	-	-	-	-	-	-	-	-	-	-	-
5-Dec-05	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
20-Jun-06	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
26-Dec-06	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-08	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-08	-	-	-	-	-	-	-	-	-	-	-	-
8-Jun-09	DRY	-	-	-	-	-	-	-	-	-	-	-
7-Dec-09	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
9-Jun-10	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
6-Jun-11	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-11	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
19-Jun-12	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
11-Dec-12	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-13	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-13	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
17-Jun-14	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-14	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
17-Jun-15	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0
16-Dec-15	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
21-Jun-16	DRY	-	-	-	-	-	-	-	-	-	-	-
14-Dec-16	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-18	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
12-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-
18-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-
19-Dec-19	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
24-Jun-20	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
8-Dec-20	DRY	-	-	-	-	-	-	-	-	-	-	-
25-Jun-21	DRY	-	-	-	-	-	-	-	-	-	-	-
21-Dec-21	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
22-Jun-22	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
13-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-

Appendix D

GROUNDWATER ELEVATION DATA

Yates County - Torrey Landfill

MONITORING POINT DESIGNATION	GROUND SURFACE ELEVATION	REFERENCE ELEVATION (TOC)	SCREEN INTERVAL (ft)	OVERBURDEN DEPOSIT MONITORED	June 4, 1999		September 16, 1999		December 7, 1999		April 3, 2000		June 12, 2000		September 19, 2000	
					DEPTH TO WATER from TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER from TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER from TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER from TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER from TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER from TOC (ft)	GW ELEVATION (ft)
Upper Aquifer Monitoring Wells																
MW-1S	660.70	662.70	18-28	UP OUTWASH	16.30	646.40	23.62	639.08	24.44	638.26	12.75	649.95	12.07	650.63	20.21	642.49
MW-3S	678.33	680.15	26-36	UP OUTWASH	27.10	653.05	27.88	652.27	28.71	651.44	26.40	653.75	22.90	657.25	DRY	
Old MW-4S	660.00	662.65	28-38	UP OUTWASH	DRY		Dry to 35.02 ft below TOC		Dry to 35.02 ft below TOC		Dry to 35.02 ft below TOC		Dry to 35.02 ft below TOC		Dry to 35.02 ft below TOC	
MW-4S	660.00	663.05	28-38	UP OUTWASH												
MW-5S	572.80	574.80	16-26	UP OUTWASH	9.47	565.33	10.00	564.80	4.87	569.93	8.25	566.55	6.87	567.93	8.66	566.14
MW-12M	617.00	619.35	30-40	LOW OUTWASH	10.57	608.78	13.29	606.06	13.78	605.57	7.27	612.08	7.97	611.38	11.95	607.40
MW-13S	598.40	600.90	6-16	LOW OUTWASH	7.47	593.43	3.46	597.44	5.21	595.69	3.82	597.08	3.36	597.54	6.18	594.72
MW-15	605.10	606.70			5.92	600.78	6.06	600.64	5.95	600.75	4.87	601.83	2.02	604.68	5.84	600.86
MW-16	616.90	618.50			DRY		Dry to 16.40 ft below TOC		Dry to 16.40 ft below TOC		Dry to 16.40 ft below TOC		Dry to 16.40 ft below TOC		Dry to 16.40 ft below TOC	
MW-17	586.60	588.10			5.20	582.90	7.80	580.30	3.88	584.22	3.66	584.44	3.65	584.45	4.98	583.12
Upper Aquifer Pumping Wells																
PW-1	604.00	601.70			28.68	573.02	29.16	572.54	29.45	572.25	28.87	572.83	24.48	577.22	28.09	573.61
PW-2	600.05	597.75			NA		25.10	572.65	25.22	572.53	24.45	573.30	Not Collected		Not Collected	
PW-3	595.75	593.50			NA		18.62	574.88	18.66	574.84	16.92	576.58	Not Collected		Not Collected	
PW-4	593.00	590.65			NA		18.90	571.75	19.08	571.57	18.95	571.70	Not Collected		Not Collected	
PW-5	589.75	586.90			24.74	562.16	25.26	561.64	24.70	562.20	22.04	564.86	23.54	563.36	25.41	561.49
PW-6	593.35	591.10			NA		29.53	561.57	28.86	562.24	29.01	562.09	Not Collected		Not Collected	
PW-7	595.75	593.50			NA		26.45	567.05	27.04	566.46	26.62	566.88	Not Collected		Not Collected	
PW-8	599.05	596.65			25.37	571.28	24.98	571.67	25.23	571.42	25.10	571.55	21.47	575.18	25.19	571.46
PW-9	602.05	599.85			NA		25.76	574.09	22.86	576.99	23.20	576.65	Not Collected		Not Collected	
PW-10	605.15	602.85			27.65	575.20	28.12	574.73	28.60	574.25	27.19	575.66	24.25	578.60	25.71	577.14
Upper Aquifer Piezometers																
PZ-2	631.30	635.85	29-34	UP OUTWASH	DRY		Dry to 33.33 ft below TOC		Dry to 33.33 ft below TOC		Dry to 33.33 ft below TOC		Dry to 33.33 ft below TOC		Dry to 33.33 ft below TOC	
PZ-3	608.90	611.95	7-12	ABLATION TILL	7.12	604.83	Dry to 9.28 ft below TOC		8.44	603.51	3.70	608.25	4.04	607.91	Dry to 9.28 ft below TOC	
PZ-7	601.50	603.55			DRY				Not Collected		Not Collected		Not Collected		Not Collected	
PZ-8	601.20	603.25			DRY				Not Collected		Not Collected		Not Collected		Not Collected	
PZ-9	595.70	597.40			DRY				Not Collected		Not Collected		Not Collected		Not Collected	
PZ-10	595.10	597.05			DRY				Not Collected		Not Collected		Not Collected		Not Collected	
PZ-11	593.40	593.15			DRY				Not Collected		Not Collected		Not Collected		Not Collected	
PZ-12	592.50	592.25			DRY				Not Collected		Not Collected		Not Collected		Not Collected	
Lower Aquifer Monitoring Wells																
MW-4D	660.30	662.50	120-130	TILL	115.93	546.57	115.20	547.30	DRY		DRY		111.08	551.42	DRY	
MW-8D	613.50	615.35	98-108	TILL	92.28	523.07	92.38	522.97	92.70	522.65	92.20	523.15	87.65	527.70	92.45	522.90
MW-12D	617.80	619.80	100-110	TILL	78.20	541.60	78.65	541.15	79.54	540.26	79.29	540.51	73.52	546.28	79.46	540.34

Note: Base table with well completions and 1999-2003 data from ENSR

GROUNDWATER ELEVATION DATA

Yates County - Torrey Landfill

MONITORING POINT DESIGNATION	GROUND SURFACE ELEVATION	REFERENCE ELEVATION (TOC)	SCREEN INTERVAL (ft)	OVERBURDEN DEPOSIT MONITORED	December 11, 2000		March 20, 2001		June 19, 2001		December 4, 2001		June 4, 2002		December 9, 2002	
					DEPTH TO WATER from TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER from TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER from TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER from TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER from TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER from TOC (ft)	GW ELEVATION (ft)
Upper Aquifer Monitoring Wells																
MW-1S	660.70	662.70	18-28	UP OUTWASH	20.21	642.49	13.37	649.33	16.49	646.21	23.97	638.73	19.92	642.78	24.38	638.32
MW-3S	678.33	680.15	26-36	UP OUTWASH	28.00	652.15	27.65	652.50	27.96	652.19	30.52	649.63	27.74	652.41	30.40	649.75
Old MW-4S	660.00	662.65	28-38	UP OUTWASH	Dry to 35.02 ft below TOC		Dry to 35.02 ft below TOC		Dry to 35.02 ft below TOC		Dry to 34.73 ft below TOC		Dry to 35.4 ft below TOC		Dry to 35.4 ft below TOC	
MW-4S	660.00	663.05	28-38	UP OUTWASH												
MW-5S	572.80	574.80	16-26	UP OUTWASH	8.66	566.14	9.26	565.54	9.27	565.53	9.46	565.34	8.48	566.32	8.98	565.82
MW-12M	617.00	619.35	30-40	LOW OUTWASH	11.95	607.40	8.28	611.07	DRY		15.53	603.82	9.98	609.37	15.65	603.70
MW-13S	598.40	600.90	6-16	LOW OUTWASH	6.18	594.72	2.75	598.15	6.91	593.99	Dry to 9.65 ft below TOC		5.40	595.50	7.42	593.48
MW-15	605.10	606.70			6.50	600.20	5.10	601.60	6.38	600.32	6.97	599.73	4.92	601.78	5.19	601.51
MW-16	616.90	618.50			Dry to 16.40 ft below TOC		Dry to 16.40 ft below TOC		Dry to 16.40 ft below TOC		Not Collected		Dry to 16.3 ft (top of pump)		Dry to 16.3 ft (top of pump)	
MW-17	586.60	588.10			4.16	583.94	2.92	585.18	5.70	582.40	9.02	579.08	4.45	583.65	4.95	583.15
Upper Aquifer Pumping Wells																
PW-1	604.00	601.70			28.70	573.00	29.57	572.13	28.18	573.52	29.70	572.00	26.00	575.70	Not Collected	
PW-2	600.05	597.75			24.71	573.04	25.40	572.35	24.19	573.56	25.25	572.50	25.00	572.75	25.40	572.35
PW-3	595.75	593.50			19.31	574.19	19.95	573.55	19.16	574.34	20.32	573.18	17.31	576.19	19.16	574.34
PW-4	593.00	590.65			19.13	571.52	19.36	571.29	19.36	571.29	19.49	571.16	19.69	570.96	19.67	570.98
PW-5	589.75	586.90			25.80	561.10	24.60	562.30	25.37	561.53	26.58	560.32	23.15	563.75	22.60	564.30
PW-6	593.35	591.10			30.28	560.82	30.55	560.55	30.33	560.77	31.74	559.36	30.37	560.73	31.09	560.01
PW-7	595.75	593.50			28.90	564.60	28.50	565.00	28.35	565.15	28.78	564.72	28.84	564.66	29.55	563.95
PW-8	599.05	596.65			25.15	571.50	25.20	571.45	25.18	571.47	25.20	571.45	25.13	571.52	25.20	571.45
PW-9	602.05	599.85			23.20	576.65	23.45	576.40	25.30	574.55	23.65	576.20	Dry to 23.9 ft below TOC		Dry to 23.9 ft below TOC	
PW-10	605.15	602.85			27.05	575.80	28.05	574.80	25.88	576.97	28.03	574.82	28.27	574.58	28.20	574.65
Upper Aquifer Piezometers																
PZ-2	631.30	635.85	29-34	UP OUTWASH	Dry to 33.33 ft below TOC		Dry to 33.33 ft below TOC		Dry to 33.33 ft below TOC		Dry to 33.08 ft below TOC		Dry to top of pump		Dry to top of pump	
PZ-3	608.90	611.95	7-12	ABLATION TILL	7.41	604.54	3.90	608.05	7.82	604.13	Dry to 8.05 ft below TOC		4.68	607.27	8.37	603.58
PZ-7	601.50	603.55			Dry to 20 ft below TOC		Dry to 20 ft below TOC		Dry to 20 ft below TOC		26.10	577.45	Not Collected		Dry to top of pump	
PZ-8	601.20	603.25			Dry to 20 ft below TOC		Dry to 20 ft below TOC		Dry to 20 ft below TOC		Dry to 24.0 ft below TOC		Not Collected		Dry to top of pump	
PZ-9	595.70	597.40			Dry to 20 ft below TOC		Dry to 20 ft below TOC		Dry to 20 ft below TOC		Dry to 32.16 ft below TOC		Not Collected		Dry to top of pump	
PZ-10	595.10	597.05			Dry to 20 ft below TOC		Dry to 20 ft below TOC		Dry to 20 ft below TOC		Dry to 31.77 ft below TOC		Not Collected		Dry to top of pump	
PZ-11	593.40	593.15			Dry to 20 ft below TOC		Dry to 20 ft below TOC		Dry to 20 ft below TOC		Not Collected		Not Collected		Dry to top of pump	
PZ-12	592.50	592.25			Dry to 20 ft below TOC		Dry to 20 ft below TOC		Dry to 20 ft below TOC		Not Collected		Not Collected		Dry to top of pump	
Lower Aquifer Monitoring Wells																
MW-4D	660.30	662.50	120-130	TILL	DRY		DRY		DRY		DRY		Dry to 101.4 feet		Dry to 101.4 feet	
MW-8D	613.50	615.35	98-108	TILL	92.76	522.59	93.21	522.14	92.95	522.40	93.15	522.20	Not Collected		93.45	521.90
MW-12D	617.80	619.80	100-110	TILL	79.75	540.05	80.28	539.52	79.95	539.85	80.20	539.60	80.61	539.19	81.59	538.21

Note: Base table with well completions and 1999-2003 data from ENSR

GROUNDWATER ELEVATION DATA

Yates County - Torrey Landfill

MONITORING POINT DESIGNATION	GROUND SURFACE ELEVATION	REFERENCE ELEVATION (TOC)	SCREEN INTERVAL (ft)	OVERBURDEN DEPOSIT MONITORED	June 23, 2003		December 8, 2003		June 23, 2004		December 6, 2004		June 21-23, 2005		December 5-7, 2005	
					DEPTH TO WATER from TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER from TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER from TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER from TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER from TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER from TOC (ft)	GW ELEVATION (ft)
Upper Aquifer Monitoring Wells																
MW-1S	660.70	662.70	18-28	UP OUTWASH	13.31	649.39	18.99	643.71	14.17	648.53	12.79	649.91	14.17	648.53	16.24	646.46
MW-3S	678.33	680.15	26-36	UP OUTWASH	26.71	653.44	26.85	653.30	27.18	652.97	24.74	655.41	27.62	652.53	24.60	655.55
Old MW-4S	660.00	662.65	28-38	UP OUTWASH	Dry to 35.4 ft below TOC		Dry to 35.4 ft below TOC		34.32	628.33	34.95	627.70	New MW-4S TOC Elevation			
MW-4S	660.00	663.05	28-38	UP OUTWASH							Well Repaired June 2005		34.44	628.61	35.04	628.01
MW-5S	572.80	574.80	16-26	UP OUTWASH	8.34	566.46	8.71	566.09	10.87	563.93	8.12	566.68	8.68	566.12	8.35	566.45
MW-12M	617.00	619.35	30-40	LOW OUTWASH	9.70	609.65	12.66	606.69	9.00	610.35	7.92	611.43	10.02	609.33	6.35	613.00
MW-13S	598.40	600.90	6-16	LOW OUTWASH	5.89	595.01	4.30	596.60	6.35	594.55	3.92	596.98	5.59	595.31	3.60	597.30
MW-15	605.10	606.70			4.78	601.92	3.91	602.79	3.67	603.03	3.10	603.60	3.51	603.19	2.53	604.17
MW-16	616.90	618.50			Dry to 16.3 ft (top of pump)		Dry to 16.3 ft (top of pump)		16.80	601.70	17.25	601.25	17.04	601.46	16.82	601.68
MW-17	586.60	588.10			4.52	583.58	4.22	583.88	4.75	583.35	3.68	584.42	4.24	583.86	3.95	584.15
Upper Aquifer Pumping Wells																
PW-1	604.00	601.70			26.61	575.09	27.50	574.20	21.72	579.98	24.50	577.20	25.12	576.58	26.05	575.65
PW-2	600.05	597.75			22.56	575.19	24.70	573.05	Not Collected		Not Collected		Not Collected		Not Collected	
PW-3	595.75	593.50			18.32	575.18	18.70	574.80	Not Collected		Not Collected		Not Collected		Not Collected	
PW-4	593.00	590.65			18.37	572.28	18.80	571.85	Not Collected		Not Collected		Not Collected		Not Collected	
PW-5	589.75	586.90			24.41	562.49	20.50	566.40	22.20	564.70	22.20	564.70	22.58	564.32	19.20	567.70
PW-6	593.35	591.10			29.99	561.11	30.76	560.34	Not Collected		Not Collected		Not Collected		Not Collected	
PW-7	595.75	593.50			28.85	564.65	29.16	564.34	Not Collected		Not Collected		Not Collected		Not Collected	
PW-8	599.05	596.65			25.18	571.47	25.25	571.40	25.18	571.47	25.20	571.45	25.13	571.52	24.99	571.66
PW-9	602.05	599.85			21.59	578.26	22.45	577.40	Not Collected		Not Collected		Not Collected		Not Collected	
PW-10	605.15	602.85			24.46	578.39	27.32	575.53	21.84	581.01	25.50	577.35	24.12	578.73	27.15	575.70
Upper Aquifer Piezometers																
PZ-2	631.30	635.85	29-34	UP OUTWASH	Dry to top of pump		Dry to top of pump		35.02	600.83	35.48	600.37	35.22	600.63	35.17	600.68
PZ-3	608.90	611.95	7-12	ABLATION TILL	4.87	607.08	8.37	603.58	5.64	606.31	4.02	607.93	5.22	606.73	3.95	608.00
PZ-7	601.50	603.55			Dry to top of pump		Dry to top of pump		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-8	601.20	603.25			Dry to top of pump		Dry to top of pump		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-9	595.70	597.40			Dry to top of pump		Dry to top of pump		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-10	595.10	597.05			Dry to top of pump		Dry to top of pump		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-11	593.40	593.15			Dry to top of pump		Dry to top of pump		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-12	592.50	592.25			Dry to top of pump		Dry to top of pump		Not Collected		Not Collected		Not Collected		Not Collected	
Lower Aquifer Monitoring Wells																
MW-4D	660.30	662.50	120-130	TILL	Dry to 101.4 feet		Dry to 101.4 feet		115.63	546.87	118.14	544.36	117.80	544.70	117.97	544.53
MW-8D	613.50	615.35	98-108	TILL	93.20	522.15	93.12	522.23	92.74	522.61	93.45	521.90	92.63	522.72	92.55	522.80
MW-12D	617.80	619.80	100-110	TILL	81.00	538.80	81.31	538.49	80.68	539.12	79.40	540.40	77.88	541.92	78.30	541.50

Note: Base table with well completions and 1999-2003 data from ENSR

GROUNDWATER ELEVATION DATA

Yates County - Torrey Landfill

MONITORING POINT DESIGNATION	GROUND SURFACE ELEVATION	REFERENCE ELEVATION (TOC)	SCREEN INTERVAL (ft)	OVERBURDEN DEPOSIT MONITORED	June 20, 2006		December, 2006		June 26, 2007		December 10, 2007		June 17, 2008		December 8, 2008	
					DEPTH TO WATER from TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)
Upper Aquifer Monitoring Wells																
MW-1S	660.70	662.70	18-28	UP OUTWASH	16.24	646.46	12.20	650.50	15.75	646.95	21.98	640.72	16.10	646.60	20.64	642.06
MW-3S	678.33	680.15	26-36	UP OUTWASH	24.60	655.55	28.38	651.77	26.49	653.66	28.03	652.12	26.04	654.11	26.79	653.36
Old MW-4S	660.00	662.65	28-38	UP OUTWASH												
MW-4S	660.00	663.05	28-38	UP OUTWASH	35.04	628.01	35.10	627.95	34.53	628.52	35.20	627.85	34.94	628.11	35.50	627.55
MW-5S	572.80	574.80	16-26	UP OUTWASH	8.35	566.45	7.95	566.85	9.89	564.91	8.82	565.98	8.65	566.15	9.98	564.82
MW-12M	617.00	619.35	30-40	LOW OUTWASH	6.35	613.00	6.50	612.85	10.71	608.64	12.95	606.40	10.38	608.97	12.18	607.17
MW-13S	598.40	600.90	6-16	LOW OUTWASH	3.60	597.30	4.90	596.00	7.42	593.48	5.92	594.98	7.27	593.63	5.51	595.39
MW-15	605.10	606.70			2.53	604.17	2.90	603.80	4.25	602.45	2.15	604.55	3.80	602.90	3.90	602.80
MW-16	616.90	618.50			16.82	601.68	17.10	601.40	17.55	600.95	17.33	601.17	17.14	601.36	15.24	603.26
MW-17	586.60	588.10			3.95	584.15	3.78	584.32	6.26	581.84	4.00	584.10	5.98	582.12	4.21	583.99
Upper Aquifer Pumping Wells																
PW-1	604.00	601.70			26.05	575.65	25.45	576.25	25.12	576.58	27.11	574.59	24.48	577.22	29.28	572.42
PW-2	600.05	597.75			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-3	595.75	593.50			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-4	593.00	590.65			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-5	589.75	586.90			19.20	567.70	21.20	565.70	24.01	562.89	21.42	565.48	24.00	562.90	23.50	563.40
PW-6	593.35	591.10			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-7	595.75	593.50			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-8	599.05	596.65			24.99	571.66	25.14	571.51	21.29	575.36	ough water to sample		21.18	575.47	23.33	573.32
PW-9	602.05	599.85			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-10	605.15	602.85			27.15	575.70	26.50	576.35	24.38	578.47	26.16	576.69	24.42	578.43	26.17	576.68
Upper Aquifer Piezometers																
PZ-2	631.30	635.85	29-34	UP OUTWASH	35.17	600.68	35.22	600.63	35.27	600.58	35.66	600.19	35.02	600.83	35.27	600.58
PZ-3	608.90	611.95	7-12	ABLATION TILL	3.95	608.00	3.95	608.00	7.78	604.17	6.12	605.83	6.93	605.02	7.73	604.22
PZ-7	601.50	603.55			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-8	601.20	603.25			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-9	595.70	597.40			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-10	595.10	597.05			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-11	593.40	593.15			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-12	592.50	592.25			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
Lower Aquifer Monitoring Wells																
MW-4D	660.30	662.50	120-130	TILL	117.97	544.53	117.97	544.53	117.92	544.58	118.20	544.30	118.65	543.85	118.18	544.32
MW-8D	613.50	615.35	98-108	TILL	92.55	522.80	92.75	522.60	92.60	522.75	92.15	523.20	92.74	522.61	92.81	522.54
MW-12D	617.80	619.80	100-110	TILL	78.30	541.50	78.10	541.70	77.82	541.98	78.50	541.30	77.92	541.88	78.87	540.93

Note: Base table with well completions and 1999-2003 data from ENSR

GROUNDWATER ELEVATION DATA

Yates County - Torrey Landfill

MONITORING POINT DESIGNATION	GROUND SURFACE ELEVATION	REFERENCE ELEVATION (TOC)	SCREEN INTERVAL (ft)	OVERBURDEN DEPOSIT MONITORED	June 8, 2009		December 14, 2009		June 8, 2010		December 7, 2010		June 6, 2011		December 13, 2011	
					DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)
Upper Aquifer Monitoring Wells																
MW-1S	660.70	662.70	18-28	UP OUTWASH	15.03	647.67	22.00	640.70	14.97	647.73	19.91	642.79	12.40	650.30	19.32	643.38
MW-3S	678.33	680.15	26-36	UP OUTWASH	25.91	654.24	26.78	653.37	25.53	654.62	23.71	656.44	24.25	655.90	23.31	656.84
Old MW-4S	660.00	662.65	28-38	UP OUTWASH												
MW-4S	660.00	663.05	28-38	UP OUTWASH	35.44	627.61	36.09	626.96	35.76	627.29	36.05	627.00	34.70	628.35	35.12	627.93
MW-5S	572.80	574.80	16-26	UP OUTWASH	9.81	564.99	9.02	565.78	8.60	566.20	8.43	566.37	8.22	566.58	8.32	566.48
MW-12M	617.00	619.35	30-40	LOW OUTWASH	10.42	608.93	12.84	606.51	9.98	609.37	9.63	609.72	8.47	610.88	8.24	611.11
MW-13S	598.40	600.90	6-16	LOW OUTWASH	6.74	594.16	5.64	595.26	6.08	594.82	3.80	597.30	6.19	594.71	4.02	596.88
MW-15	605.10	606.70			3.82	602.88	4.90	601.80	3.62	603.08	2.88	603.82	2.87	603.83	2.48	604.22
MW-16	616.90	618.50			17.48	601.02	18.34	600.16	17.57	600.93	17.13	601.37	16.18	602.32	16.80	601.70
MW-17	586.60	588.10			6.33	581.77	4.98	583.12	4.65	583.45	3.48	584.62	4.17	583.93	3.92	584.18
Upper Aquifer Pumping Wells																
PW-1	604.00	601.70			24.78	576.92	29.50	572.20	26.18	575.52	26.30	575.40	19.78	581.92	24.42	577.28
PW-2	600.05	597.75			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-3	595.75	593.50			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-4	593.00	590.65			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-5	589.75	586.90			23.32	563.58	25.20	561.70	24.02	562.88	18.50	568.40	20.30	566.60	18.40	568.50
PW-6	593.35	591.10			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-7	595.75	593.50			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-8	599.05	596.65			21.12	575.53	23.31	573.34	22.47	574.18	23.60	573.05	20.70	575.95	23.72	572.93
PW-9	602.05	599.85			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-10	605.15	602.85			25.30	577.55	28.20	574.65	27.00	575.85	24.80	578.05	21.64	581.21	24.00	578.85
Upper Aquifer Piezometers																
PZ-2	631.30	635.85	29-34	UP OUTWASH	35.22	600.63	35.85	600.00	35.41	600.44	35.53	600.32	34.36	601.49	35.04	600.81
PZ-3	608.90	611.95	7-12	ABLATION TILL	6.88	605.07	7.82	604.13	6.53	605.42	4.23	607.72	5.05	606.90	5.82	606.13
PZ-7	601.50	603.55			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-8	601.20	603.25			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-9	595.70	597.40			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-10	595.10	597.05			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-11	593.40	593.15			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-12	592.50	592.25			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
Lower Aquifer Monitoring Wells																
MW-4D	660.30	662.50	120-130	TILL	120.00	542.50	117.91	544.59	117.77	544.73	117.75	544.75	117.90	544.60	119.32	543.18
MW-8D	613.50	615.35	98-108	TILL	92.84	522.51	93.60	521.75	93.25	522.10	93.30	522.05	92.76	522.59	93.47	521.88
MW-12D	617.80	619.80	100-110	TILL	79.00	540.80	79.49	540.31	79.89	539.91	80.20	539.60	79.62	540.18	79.60	540.20

Note: Base table with well completions and 1999-2003 data from ENSR

GROUNDWATER ELEVATION DATA

Yates County - Torrey Landfill

MONITORING POINT DESIGNATION	GROUND SURFACE ELEVATION	REFERENCE ELEVATION (TOC)	SCREEN INTERVAL (ft)	OVERBURDEN DEPOSIT MONITORED	June 18, 2012		December 11, 2012		June 17, 2013		December 12, 2013		June 16, 2014		December 8, 2014	
					DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)
Upper Aquifer Monitoring Wells																
MW-1S	660.70	662.70	18-28	UP OUTWASH	16.29	646.41	24.22	638.48	16.53	646.17	23.59	639.11	13.76	648.94	23.45	639.25
MW-3S	678.33	680.15	26-36	UP OUTWASH	25.05	655.10	26.93	653.22	24.90	655.25	25.02	655.13	24.46	655.69	26.76	653.39
Old MW-4S	660.00	662.65	28-38	UP OUTWASH												
MW-4S	660.00	663.05	28-38	UP OUTWASH	35.14	627.91	35.72	627.33	35.37	627.68	35.80	627.25	35.10	627.95	35.85	627.20
MW-5S	572.80	574.80	16-26	UP OUTWASH	8.57	566.23	9.10	565.70	8.50	566.30	8.98	565.82	8.13	566.67	9.40	565.40
MW-12M	617.00	619.35	30-40	LOW OUTWASH	10.35	609.00	14.00	605.35	10.30	609.05	12.89	606.46	9.27	610.08	13.45	605.90
MW-13S	598.40	600.90	6-16	LOW OUTWASH	6.84	594.06	9.90	591.00	6.38	594.52	6.60	594.30	6.23	594.67	Unable to Obtain Reading	
MW-15	605.10	606.70			3.77	602.93	6.10	600.60	4.32	602.38	3.20	603.50	3.03	603.67	4.85	601.85
MW-16	616.90	618.50			17.63	600.87	17.13	601.37	17.47	601.03	17.57	600.93	16.78	601.72	17.60	600.90
MW-17	586.60	588.10			5.18	582.92	5.42	582.68	4.11	583.99	4.02	584.08	4.53	583.57	6.57	581.53
Upper Aquifer Pumping Wells																
PW-1	604.00	601.70			25.30	576.40	29.70	572.00	24.06	577.64	28.78	572.92	19.82	581.88	28.18	573.52
PW-2	600.05	597.75			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-3	595.75	593.50			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-4	593.00	590.65			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-5	589.75	586.90			23.93	562.97	24.30	562.60	24.00	562.90	22.55	564.35	21.10	565.80	25.40	561.50
PW-6	593.35	591.10			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-7	595.75	593.50			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-8	599.05	596.65			21.55	575.10	23.32	573.33	21.23	575.42	23.53	573.12	20.80	575.85	23.60	573.05
PW-9	602.05	599.85			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-10	605.15	602.85			25.55	577.30	23.75	579.10	24.58	578.27	20.90	581.95	22.20	580.65	26.70	576.15
Upper Aquifer Piezometers																
PZ-2	631.30	635.85	29-34	UP OUTWASH	35.40	600.45	35.85	600.00	35.42	600.43	35.85	600.00	34.85	601.00	35.83	600.02
PZ-3	608.90	611.95	7-12	ABLATION TILL	7.58	604.37	9.20	602.75	5.88	606.07	8.52	603.43	6.25	605.70	Unable to Obtain Reading	
PZ-7	601.50	603.55			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-8	601.20	603.25			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-9	595.70	597.40			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-10	595.10	597.05			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-11	593.40	593.15			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-12	592.50	592.25			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
Lower Aquifer Monitoring Wells																
MW-4D	660.30	662.50	120-130	TILL	118.73	543.77	118.90	543.60	118.60	543.90	118.90	543.60	118.81	543.69	119.46	543.04
MW-8D	613.50	615.35	98-108	TILL	93.10	522.25	93.22	522.13	93.40	521.95	93.65	521.70	93.10	522.25	93.38	521.97
MW-12D	617.80	619.80	100-110	TILL	78.98	540.82	79.79	540.01	79.43	540.37	79.80	540.00	80.02	539.78	Unable to Obtain Reading	

Note: Base table with well completions and 1999-2003 data from ENSR

GROUNDWATER ELEVATION DATA

Yates County - Torrey Landfill

MONITORING POINT DESIGNATION	GROUND SURFACE ELEVATION	REFERENCE ELEVATION (TOC)	SCREEN INTERVAL (ft)	OVERBURDEN DEPOSIT MONITORED	June 16, 2015		December 15, 2015		June 21, 2016		December 13, 2016		June 20, 2017		December 12, 2017	
					DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)
Upper Aquifer Monitoring Wells																
MW-1S	660.70	662.70	18-28	UP OUTWASH	15.84	646.86	21.83	640.87	16.34	646.36	21.80	640.90	13.76	648.94	16.92	645.78
MW-3S	678.33	680.15	26-36	UP OUTWASH	24.37	655.78	24.07	656.08	24.89	655.26	22.22	657.93	23.78	656.37	22.83	657.32
Old MW-4S	660.00	662.65	28-38	UP OUTWASH												
MW-4S	660.00	663.05	28-38	UP OUTWASH	35.43	627.62	36.00	627.05	35.74	627.31	35.98	627.07	35.02	628.03	35.40	627.65
MW-5S	572.80	574.80	16-26	UP OUTWASH	8.55	566.25	7.34	567.46	8.98	565.82	8.64	566.16	7.66	567.14	5.03	569.77
MW-12M	617.00	619.35	30-40	LOW OUTWASH	9.02	610.33	12.36	606.99	10.73	608.62	10.05	609.30	9.13	610.22	9.02	610.33
MW-13S	598.40	600.90	6-16	LOW OUTWASH	3.51	597.39	5.08	595.82	7.43	593.47	4.12	596.78	6.08	594.82	5.13	595.77
MW-15	605.10	606.70			2.41	604.29	3.91	602.79	3.98	602.72	2.18	604.52	2.74	603.96	3.00	603.70
MW-16	616.90	618.50			15.85	602.65	17.53	600.97	17.58	600.92	16.52	601.98	16.13	602.37	16.85	601.65
MW-17	586.60	588.10			3.91	584.19	4.18	583.92	5.98	582.12	3.66	584.44	4.23	583.87	4.13	583.97
Upper Aquifer Pumping Wells																
PW-1	604.00	601.70			23.00	578.70	27.64	574.06	25.32	576.38	Not Collected		20.38	581.32	23.11	578.59
PW-2	600.05	597.75			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-3	595.75	593.50			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-4	593.00	590.65			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-5	589.75	586.90			19.11	567.79	24.42	562.48	24.18	562.72	17.95	568.95	21.21	565.69	22.12	564.78
PW-6	593.35	591.10			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-7	595.75	593.50			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-8	599.05	596.65			20.82	575.83	22.15	574.50	22.01	574.64	20.40	576.25	20.82	575.83	20.83	575.82
PW-9	602.05	599.85			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-10	605.15	602.85			21.10	581.75	26.75	576.10	25.90	576.95	20.37	582.48	22.59	580.26	25.48	577.37
Upper Aquifer Piezometers																
PZ-2	631.30	635.85	29-34	UP OUTWASH	35.04	600.81	35.45	600.40	35.32	600.53	35.16	600.69	34.32	601.53	34.85	601.00
PZ-3	608.90	611.95	7-12	ABLATION TILL	4.13	607.82	7.92	604.03	Unable to Obtain Reading		4.32	607.63	5.00	606.95	5.15	606.80
PZ-7	601.50	603.55			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-8	601.20	603.25			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-9	595.70	597.40			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-10	595.10	597.05			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-11	593.40	593.15			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-12	592.50	592.25			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
Lower Aquifer Monitoring Wells																
MW-4D	660.30	662.50	120-130	TILL	118.65	543.85	118.36	544.14	118.72	543.78	119.42	543.08	119.00	543.50	118.45	544.05
MW-8D	613.50	615.35	98-108	TILL	94.43	520.92	93.28	522.07	93.06	522.29	93.52	521.83	92.89	522.46	92.60	522.75
MW-12D	617.80	619.80	100-110	TILL	Unable to Obtain Reading		Unable to Obtain Reading		Unable to Obtain Reading		Unable to Obtain Reading		79.69	535.66	78.40	536.95

Note: Base table with well completions and 1999-2003 data from ENSR

GROUNDWATER ELEVATION DATA

Yates County - Torrey Landfill

MONITORING POINT DESIGNATION	GROUND SURFACE ELEVATION	REFERENCE ELEVATION (TOC)	SCREEN INTERVAL (ft)	OVERBURDEN DEPOSIT MONITORED	June 20, 2018		December 12, 2018		June 18, 2019		December 18, 2019		June 22, 2020		December 7, 2020	
					DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)
Upper Aquifer Monitoring Wells																
MW-1S	660.70	662.70	18-28	UP OUTWASH	14.26	648.44	13.88	648.82	30.30	632.40	18.00	662.70	30.23	632.47	23.79	638.86
MW-3S	678.33	680.15	26-36	UP OUTWASH	23.94	656.21	20.80	659.35	37.70	642.45	22.23	680.15	37.61	642.54	26.95	654.41
Old MW-4S	660.00	662.65	28-38	UP OUTWASH												
MW-4S	660.00	663.05	28-38	UP OUTWASH	35.10	627.95	35.26	627.79	41.00	622.05	35.45	663.05	40.92	622.13	35.54	627.11
MW-5S	572.80	574.80	16-26	UP OUTWASH	8.30	566.50	7.26	567.54	7.84	566.96	8.42	574.80	8.12	566.68	9.06	565.98
MW-12M	617.00	619.35	30-40	LOW OUTWASH	11.16	608.19	9.90	609.45	9.13	610.22	8.81	619.35	10.12	609.23	14.13	605.22
MW-13S	598.40	600.90	6-16	LOW OUTWASH	6.50	594.40	-	-	4.92	595.98	6.89	600.90	7.10	593.80	DRY	-
MW-15	605.10	606.70			3.18	603.52	2.82	603.88	2.58	604.12	2.12	606.70	3.42	603.28	4.65	603.37
MW-16	616.90	618.50			16.83	601.67	15.87	602.63	16.36	602.14	16.23	618.50	16.85	601.65	17.88	601.72
MW-17	586.60	588.10			4.79	583.31	6.52	581.58	4.10	584.00	3.64	588.10	5.28	582.82	9.33	583.12
Upper Aquifer Pumping Wells																
PW-1	604.00	601.70			21.82	579.88	18.03	583.67	20.68	581.02	24.48	601.70	21.55	580.15	28.39	573.20
PW-2	600.05	597.75			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-3	595.75	593.50			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-4	593.00	590.65			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-5	589.75	586.90			21.78	565.12	19.04	567.86	20.78	566.12	18.18	586.90	22.10	564.80	25.12	561.78
PW-6	593.35	591.10			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-7	595.75	593.50			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-8	599.05	596.65			20.97	575.68	20.45	576.20	23.90	572.75	19.40	596.65	20.92	575.73	22.84	573.81
PW-9	602.05	599.85			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PW-10	605.15	602.85			23.99	578.86	26.70	576.15	21.96	580.89	18.40	602.85	24.15	578.70	28.16	579.80
Upper Aquifer Piezometers																
PZ-2	631.30	635.85	29-34	UP OUTWASH	34.81	601.04	34.26	601.59	37.20	598.65	35.13	635.85	34.52	601.33	35.45	600.63
PZ-3	608.90	611.95	7-12	ABLATION TILL	6.76	605.19	8.82	603.13	4.37	607.58	6.02	611.95	8.00	603.95	11.80	600.15
PZ-7	601.50	603.55			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-8	601.20	603.25			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-9	595.70	597.40			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-10	595.10	597.05			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-11	593.40	593.15			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
PZ-12	592.50	592.25			Not Collected		Not Collected		Not Collected		Not Collected		Not Collected		Not Collected	
Lower Aquifer Monitoring Wells																
MW-4D	660.30	662.50	120-130	TILL	118.94	543.56	118.81	543.69	131.57	530.93	118.95	662.50	119.10	543.40	119.88	542.61
MW-8D	613.50	615.35	98-108	TILL	92.56	522.79	94.12	521.23	92.08	523.27	92.28	615.35	92.00	523.35	92.52	522.36
MW-12D	617.80	619.80	100-110	TILL	78.04	537.31	80.92	534.43	77.92	537.43	78.60	615.35	78.12	541.68	78.53	540.90

Note: Base table with well completions and 1999-2003 data from ENSR

GROUNDWATER ELEVATION DATA

Yates County - Torrey Landfill

MONITORING POINT DESIGNATION	GROUND SURFACE ELEVATION	REFERENCE ELEVATION (TOC)	SCREEN INTERVAL (ft)	OVERBURDEN DEPOSIT MONITORED	June 25, 2021		December 20, 2021		June 22, 2022		December 12, 2022	
					DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)	DEPTH TO WATER FROM TOC (ft)	GW ELEVATION (ft)
Upper Aquifer Monitoring Wells												
MW-1S	660.70	662.70	18-28	UP OUTWASH	18.92	643.78	13.50	649.20	15.89	646.81	23.84	638.86
MW-3S	678.33	680.15	26-36	UP OUTWASH	24.55	655.60	21.95	658.20	24.75	655.40	25.74	654.41
Old MW-4S	660.00	662.65	28-38	UP OUTWASH								
MW-4S	660.00	663.05	28-38	UP OUTWASH	35.97	627.08	35.85	627.20	35.33	627.72	35.94	627.11
MW-5S	572.80	574.80	16-26	UP OUTWASH	8.23	566.57	7.42	567.38	7.92	566.88	8.82	565.98
MW-12M	617.00	619.35	30-40	LOW OUTWASH	10.20	627.08	7.95	627.20	10.72	608.63	T.O.P.	-
MW-13S	598.40	600.90	6-16	LOW OUTWASH	7.09	566.57	3.70	567.38	7.01	593.89	T.O.P.	-
MW-15	605.10	606.70			3.33	627.08	2.08	627.20	3.45	603.25	3.33	603.37
MW-16	616.90	618.50			17.09	566.57	15.99	567.38	17.02	601.48	16.78	601.72
MW-17	586.60	588.10			6.03	627.08	3.83	627.20	5.17	582.93	4.98	583.12
Upper Aquifer Pumping Wells												
PW-1	604.00	601.70			23.12	578.58	20.16	581.54	22.82	578.88	28.50	573.20
PW-2	600.05	597.75			Not Collected		Not Collected		Not Collected		Not Collected	
PW-3	595.75	593.50			Not Collected		Not Collected		Not Collected		Not Collected	
PW-4	593.00	590.65			Not Collected		Not Collected		Not Collected		Not Collected	
PW-5	589.75	586.90			22.72	564.18	20.40	566.50	23.22	563.68	25.12	561.78
PW-6	593.35	591.10			Not Collected		Not Collected		Not Collected		Not Collected	
PW-7	595.75	593.50			Not Collected		Not Collected		Not Collected		Not Collected	
PW-8	599.05	596.65			21.07	575.58	20.84	575.81	21.29	575.36	Not Collected	
PW-9	602.05	599.85			Not Collected		Not Collected		Not Collected		Not Collected	
PW-10	605.15	602.85			26.21	576.64	18.78	584.07	24.92	577.93	23.05	579.80
Upper Aquifer Piezometers												
PZ-2	631.30	635.85	29-34	UP OUTWASH	34.82	601.03	34.47	601.38	34.74	601.11	35.22	600.63
PZ-3	608.90	611.95	7-12	ABLATION TILL	8.84	603.11	4.00	607.95	7.60	604.35	T.O.P.	-
PZ-7	601.50	603.55			Not Collected		Not Collected		Not Collected		Not Collected	
PZ-8	601.20	603.25			Not Collected		Not Collected		Not Collected		Not Collected	
PZ-9	595.70	597.40			Not Collected		Not Collected		Not Collected		Not Collected	
PZ-10	595.10	597.05			Not Collected		Not Collected		Not Collected		Not Collected	
PZ-11	593.40	593.15			Not Collected		Not Collected		Not Collected		Not Collected	
PZ-12	592.50	592.25			Not Collected		Not Collected		Not Collected		Not Collected	
Lower Aquifer Monitoring Wells												
MW-4D	660.30	662.50	120-130	TILL	119.62	542.88	119.83	542.67	120.11	542.39	119.89	542.61
MW-8D	613.50	615.35	98-108	TILL	93.25	522.10	92.52	522.83	92.39	522.96	92.99	522.36
MW-12D	617.80	619.80	100-110	TILL	74.05	545.75	79.10	540.70	77.07	542.73	78.90	540.90

Note: Base table with well completions and 1999-2003 data from ENSR

Appendix E

(2022)

TORREY LANDFILL LEACHATE HANDLING FORM
Long Point Rd. / Town of Torrey, NY

Date	Time	Driver's Name	Transfer Pump Station								Comments
			Initial Flow Meter Reading	Initial Tank A Level	Initial Tank B Level	Final Flow Meter Reading	Final Tank A Level	Final Tank B Level	Sump Emptied		
1-3	0730	Tsc/s	992303	2.14	1.88	2918118	8.28	4.96	(Y) N		
1-10	0730	Tsc/s	1002166	2.21	2.48	" "	8.60	4.05	(Y) N		
1-17	0730	Tsc/s	1011235	2.45	2.90	" "	8.92	2.70	(Y) N		
1-24	0730	Tsc/s	1019157	2.87	3.16	" "	9.10	2.76	(Y) N		
1-30	0730	Tsc/s	1028009	3.14	3.15	" "	9.30	1.90	(Y) N		
2-7	0730	Tsc/s	1040564	3.17	3.46	" "	9.70	0.25	(Y) N		
2-10	0730	Tsc/s	1048398	3.77	4.01	" "	10.00	0.50	(Y) N		
2-21	0730	Tsc/s	1061014	4.39	4.62	" "	10.30	1.80	(Y) N		
2-29	0730	Tsc/s	1073690	4.74	4.97	" "	10.70	3.65	(Y) N		
3-9	0730	Tsc/s	1090159	5.13	5.39	" "	11.30	5.30	(Y) N		
3-16	0730	Tsc/s	1093933	5.63	5.95	" "	11.70	6.65	(Y) N		
3-22	0730	Tsc/s	1117147	6.03	6.30	" "	12.20	9.09	(Y) N		
3-30	0730	Tsc/s	1123989	6.33	6.60	" "	12.30	9.90	(Y) N		

Emergency Contact Phone Numbers:



Ted Cox Sr.: 315-536-2316 or cell: 315-263-9218

Ted Cox Sr.: 315-536-8879 or cell: 315-263-9219

2022

TORREY LANDFILL LEACHATE HANDLING FORM
Long Point Rd. / Town of Torrey, NY

Date	Time	Driver's Name	Transfer Pump Station									
			Initial Flow Meter Reading	Initial Tank A Level	Initial Tank B Level	Final Flow Meter Reading	Final Tank A Level	Final Tank B Level	Sump Emptied	Comments		
7-4	0730	Teds	12270	1058	1985	29182	16.60	24.45	Y	N		
7-11	0730	Teds	12378	1101	1126	17.00	29.50	Y	N			
7-18	0730	Ted	12404	1099	1104	16.90	24.48	Y	N			
7-25	0730	Ted	12425	1147	1118	17.10	25.95	Y	N	Flow Meter Not working		
8-1	0730	Teds	not working	10.98	11.24	17.00	25.60	Y	N			
8-8	0730	Ted	Flow Meter	10.96	11.48	17.10	26.70	Y	N	Pumping Blue Tank		
8-15	0730	Ted	" "	8.89	9.14	29342	15.10	19.35	Y	N	Pumping Blue Tank	
8-22	0730	Ted	" "	8.41	8.67	29396	14.40	16.10	Y	N	Pumping Blue Tank	
8-29	0730	Ted	" "	5.65	5.89	29606	12.10	4.45	Y	N	Pumping Blue Tank	
9-6	0730	Ted	" "	3.54	3.87	29786	10.00	1.45	Y	N	Pumping Blue Tank	
9-13	0730	Ted	" "	3.64	3.90	29766	10.00	1.65	Y	N	Pumping Blue Tank	
9-19	0730	Teds	" "	2.98	3.25	29819	9.60	0.10	Y	N	Pumping Blue Tank	
9-26	0730	Teds	" "	2.38	2.65	29872	8.80	1.25	Y	N	Pumping Blue Tank	

Emergency Contact Phone Numbers:



Ted Cox Sr.: 315-536-2316 or cell: 315-263-9218
 Ted Cox Sr.: 315-536-8879 or cell: 315-263-9219

2022

TORREY LANDFILL LEACHATE HANDLING FORM
Long Point Rd. / Town of Torrey, NY

Date	Time	Driver's Name	Transfer Pump Station							Sump Emptied	Comments
			Initial Flow Meter Reading	Initial Tank A Level	Initial Tank B Level	Final Flow Meter Reading	Final Tank A Level	Final Tank B Level	Final Tank B Level		
10-3	0730	Tsals	Not enough	1.76	2.07	29994	8.20	5.25	(Y) N	Pumping Beer Tanks	
10-10	0730	Tsals	1.17	1.92	2.21	1.11	8.30	8.80	(Y) N	Tanks	
10-17	0730	Tsals	1.11	1.89	2.14	1.11	8.30	4.70	(Y) N	Pumping Beer Tanks	
10-24	0730	Tsals	1.11	0.53	0.80	30032	7.20	8.40	(Y) N	Pumping Beer Tank	
10-31	0730	Tsals	1.11	0.57	0.86	1.11	7.30	8.15	(Y) N		
11-7	0730	Tsals	Down		for Repair				(Y) N		
11-14	0730	Tsals	Down		for Repair				(Y) N		
11-21	0730	Tsals	Down		for Repair				(Y) N		
11-28	0730	Tsals	Down		for Repair				(Y) N		
11-30	0730	Tsals	0.87	0.59	0.59	1.11	7.30	8.15	(Y) N	New PUMP	
12-5	0730	Tsals	0.58	0.85	0.85	1.11	7.30	8.75	(Y) N		
12-13	0730	Tsals	-	0.68	0.95	1.11	7.30	8.75	(Y) N		
12-18	0730	Tsals	1.11	0.94	1.21	1.11	7.40	8.40	Y N		

* connect all Readings Fix Rights

Emergency Contact Phone Numbers:

Ted Cox: 315-536-2316 or cell: 315-263-9218

Ted Cox Sr.: 315-536-8879 or cell: 315-263-9219

GottaDo Contracting, LLC

9289 Bonta Bridge Road
Jordan, NY 13080
315-689-6482

D.O.T. # 2023655

I.C.C #

D.E.C. # 7A735

Date Shipped: 8-11-2022

Truck No. 6372

Trailer No. T-114

From: Torrey Landfill

To: Canandaigua W.W.T.P.

Shipped:

Street:

Street:

City: Torrey State: NY Zip:

City: Canandaigua State: NY Zip:

DESCRIPTION OF LADING

QUANTITY
(c/y, tons, gal.)

NET WEIGHT
(subject to change)

Leachate

8200

2918124 - 2923614
Tank A - 11.15 - 10.91
Tank B - 11.43 - 10.61

Carrier: Gotta Do

Date Received: _____

Driver's Name _____

Received By: _____

Signature: B. Jansphere

Signature: _____

STRAIGHT BILL OF LADING - Original - Not Negotiable

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading

Bill of Lading No. 597185

GottaDo Contracting, LLC

9289 Bonta Bridge Road
Jordan, NY 13080
315-689-6482

D.O.T. # 2023655

I.C.C #

D.E.C. # 7A735

Date Shipped: 8-12-2022

Truck No. 6372

Trailer No. T-114

From: Torrey Landfill

To: Canandaigua W.W.T.P.

Shipped:

Street:

Street:

City: Torrey State: NY Zip:

City: Canandaigua State: NY Zip:

DESCRIPTION OF LADING

QUANTITY
(c/y, tons, gal.)

NET WEIGHT
(subject to change)

Leachate

8200

2923614 - 2928933

Tank A - 10.39 - 9.69

Tank B - 10.68 - 9.91

Carrier: Gotta Do

Date Received:

Driver's Name

Received By:

Signature: B. Langher

Signature:

GottaDo Contracting, LLC

9289 Bonta Bridge Road
Jordan, NY 13080
315-689-6482

D.O.T. # 2023655

I.C.C #

D.E.C. # 7A735

Date Shipped: 8-15-2022

Truck No. 6372

Trailer No. T-114

From: Torrey Landfill

To: Canandaigua WWT.P

Shipped:

Street:

Street:

City: Torrey State: NY Zip:

City: Canandaigua State: NY Zip:

DESCRIPTION OF LADING

QUANTITY
(c/y, tons, gal.)

NET WEIGHT
(subject to change)

Leachate

2928933 - 2934297

Tank A - 9.75 - 9.04

Tank B - 10.03 - 9.23

8200

Carrier: Gotta Do

Date Received: _____

Driver's Name _____

Received By: _____

Signature: B. Langhorne

Signature: _____

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading

GottaDo Contracting, LLC

9289 Bonta Bridge Road
Jordan, NY 13080
315-689-6482

D.O.T. # 2023655

I.C.C #

D.E.C. # 7A735

Date Shipped: 8-16-2022

Truck No. 6372

Trailer No. T-114

From: Torrey Landfill

To: Canandaigua WWTP

Shipped:

Street:

Street:

City: Torrey

State: NY Zip:

City: Canandaigua

State: NY Zip:

DESCRIPTION OF LADING

QUANTITY
(c/y, tons, gal.)

NET WEIGHT
(subject to change)

Leachate
2934298 - 2939630
Tank A - 9.05 - 8.37
Tank B - 9.31 - 8.58

8200

Carrier: Gotta Do

Date Received: _____

Driver's Name: _____

Received By: _____

Signature: B. Langhere

Signature: _____

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading

GottaDo Contracting, LLC

9289 Bonta Bridge Road
Jordan, NY 13080
315-689-6482

D.O.T. # 2023655

I.C.C. #

D.E.C. # 7A735

Date Shipped: 8/24/22

Truck No. 9024

Trailer No. 117

From: Boney Landfill

To: Cananogue West

Shipped: GottaDo

Street:

Street:

City: Penn Yan

State: NY Zip:

City: Cananogue

State: NY

Zip:

DESCRIPTION OF LADING

QUANTITY
(c/y, tons, gal)

NET WEIGHT
(subject to change)

Levulato

5200

2944566 - 2950298

A. 7.73 - 6.89

B. 7.54 - 7.11

Carrier: GottaDo

Date Received: _____

Driver's Name: _____

Received By: _____

Signature: _____

Signature: _____

GottaDo Contracting, LLC

9289 Bonta Bridge Road
Jordan, NY 13080
315-689-6482

D.O.T. # 2023655

I.C.C #

D.E.C. # 7A735

Date Shipped: 8/24/22

Truck No. 9024

Trailer No. 117

From: Tarry Landfill

To: Canandaigua WSP

Shipped: GottaDo

Street:

Street:

City: Tarry Pennsylvania State: NY Zip:

City: Canandaigua State: NY Zip:

DESCRIPTION OF LADING

QUANTITY
(c/y, tons, gal.)

NET WEIGHT
(subject to change)

Leubate

8200

2935630 - 2944966

A. 8.44 - 7.73

B. 8.71 - 7.94

Carrier: GottaDo

Date Received: _____

Driver's Name _____

Received By: _____

Signature: [Signature]

Signature: _____

GottaDo Contracting, LLC

9289 Bonta Bridge Road
Jordan, NY 13080
315-689-6482

D.O.T. # 2023655

I.C.C #

D.E.C. # 7A735

Date Shipped: 8/25/22

Truck No. 5024

Trailer No. 117

From: Torrey Landing

To: Canondauque NY 13756

Shipped: 60000

Street:

Street:

City: Romulus State: NY Zip:

City: Canondauque State: NY Zip:

DESCRIPTION OF LADING

QUANTITY
(c/y, tons, gal.)

NET WEIGHT
(subject to change)

Leadite

8200

2950258 - 2955631

A. 7.04 - 6.32

B. 7.32 - 6.53

Carrier: GottaDo

Date Received: _____

Driver's Name _____

Received By: _____

Signature: _____

Signature: _____

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading

GottaDo Contracting, LLC

9289 Bonta Bridge Road
Jordan, NY 13080
315-689-6482

D.O.T. # 2023655

I.C.C #

D.E.C. # 7A735

Date Shipped: *8/29/22*

Truck No. *9024*

Trailer No. *127*

From: *Tarry Land*

To: *Canandogue NY*

Shipped: *GottaDo*

Street:

Street:

City: *Denn Yan*

State: *NY* Zip:

City: *Canandogue*

State: *NY* Zip:

DESCRIPTION OF LADING

QUANTITY
(c/y, ton's, gal.)

NET WEIGHT
(subject to change)

Leak

2955631-2960614

A. 6.34 - 5.67

B. 6.61 - 5.85

5200

Carrier: *SHB*

Date Received: _____

Driver's Name _____

Received By: _____

Signature: *[Signature]*

Signature: _____

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading

GottaDo Contracting, LLC

9289 Bonta Bridge Road
Jordan, NY 13080
315-689-6482

D.O.T. # 2023655

I.C.C #

Date Shipped: *8/30/22*

D.E.C. # 7A735

Truck No. *9024*

Trailer No. *117*

From: *Tony Landfill*

To: *Carrington Wood*

Shipped: *GottaDo*

Street:

Street:

City: *Perry* State: *NY* Zip:

City: *Carrington* State: *NY* Zip:

DESCRIPTION OF LADING

QUANTITY
(c/y, tons, gal.)

NET WEIGHT
(subject to change)

Lead
2960874 2965962
A. 588 487
B. 5.93 5.205
2971256
A. 423
449

8200

581822

Carrier: *GottaDo*
Driver's Name: _____
Signature: _____

Date Received: _____
Received By: _____
Signature: _____

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading

GottaDo Contracting, LLC

9289 Bonta Bridge Road
Jordan, NY 13080
315-689-6482

D.O.T. # 2023655

I.C.C #

D.E.C. # 7A735

Date Shipped: *8/31/22*

Truck No. *9024*

Trailer No. *117*

From: *Torrey Landing*

To: *Canaan Valley*

Shipped: *both B's*

Street:

Street:

City: *Perry*

State: *NY* Zip:

City: *Canaan Valley*

State: *NY* Zip:

DESCRIPTION OF LADING

QUANTITY
(c/y, tons, gal.)

NET WEIGHT
(subject to change)

8200

Leaded
2965981 2971286
A 4.900 4.33
B 5.18 5.36
03

Carrier: *GottaDo*

Date Received: _____

Driver's Name _____

Received By: _____

Signature: _____

Signature: _____

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading

GottaDo Contracting, LLC

9289 Bonta Bridge Road
Jordan, NY 13080
315-689-6482

D.O.T. # 2023655

I.C.C. #

D.E.C. # 7A735

Date Shipped: 9/1/22

Truck No. 9024

Trailer No. 117

From: Turkey Landing

To: Canawaba

Shipped: GottaDo

Street:

Street:

City: Penn-Yan State: NY Zip:

City: Canawaba State: NY Zip:

DESCRIPTION OF LADING

QUANTITY
(c/y, tons, gal.)

NET WEIGHT
(subject to change)

Leachit

8200

2925872976613
A. 42303.92
B. 244973.71

Carrier: GottaDo
Driver's Name: _____
Signature: _____

Date Received: _____
Received By: _____
Signature: _____

GottaDo Contracting, LLC

9289 Bonta Bridge Road
Jordan, NY 13080
315-689-6482

D.O.T. # 2023655

I.C.C. #

D.E.C. # 7A735

Date Shipped: 9/15/22

Truck No. 9024

Trailer No. 117

From: Torrey Landing

To: Conardque WADP

Shipped: 644.20

Street:

Street:

City: Port Jervis

State: NY Zip:

City: Conardque

State: NY Zip:

DESCRIPTION OF LADING

QUANTITY
(c/y, tons, gal.)

NET WEIGHT
(subject to change)

1915
1915
2981945
2981945
A. 3.13 - 3200
B. 4.03 - 323

5200

Carrier: GottaDo

Date Received:

Driver's Name

Received By:

Signature:

Signature:

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading

GottaDo Contracting, LLC

9289 Bonta Bridge Road
Jordan, NY 13080
315-689-6482

D.O.T. # 2023655

I.C.C #

D.E.C. # 7A735

Date Shipped: 9/28/22

Truck No. 9024

Trailer No. 117

From: Terry Landfill

To: Canandaigua

Shipped: 6000 D

Street:

Street:

City: Penn Yan

State: NY Zip:

City: Canandaigua

State: NY Zip:

DESCRIPTION OF LADING

QUANTITY
(c/y, tons, gal.)

NET WEIGHT
(subject to change)

Leakwater

2987286 - 2992615

A. 2.40 - 1.70

B. 2.68 - 1.94

8200

Carrier: GottaDo

Date Received: _____

Driver's Name _____

Received By: _____

Signature: _____

Signature: _____

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading

GottaDo Contracting, LLC

9289 Bonta Bridge Road
Jordan, NY 13080
315-689-6482

D.O.T. # 2023655

I.C.C. #

D.E.C. # 7A735

Date Shipped: 10/21/22

Truck No. Godt

Trailer No. 117

From: Torrey Landing

To: Camarillo

Shipped: Godt

Street:

Street:

City: Perryman State: MD Zip:

City: Camarillo State: CA Zip:

DESCRIPTION OF LADING

QUANTITY
(c/y, tons, gal.)

NET WEIGHT
(subject to change)

Leucate

8200

2952618 - 2957532

A. 1.91 - 1.22

B. 2.15 - 1.42

Carrier: Godt

Date Received: _____

Driver's Name: _____

Received By: _____

Signature: _____

Signature: _____

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading

GottaDo Contracting, LLC

9289 Bonta Bridge Road
Jordan, NY 13080
315-689-6482

D.O.T. # 2023655

I.C.C #

D.E.C. # 7A735

Date Shipped: *10/21/22*

Truck No. *9024*

Trailer No. *117*

From: *SMS Leubels Control Building*

To: *Camarday Wood*

Shipped: *604.00*

Street:

Street:

City: *Watkins*

State: *NY* Zip:

City: *Camarday*

State: *NY* Zip:

DESCRIPTION OF LADING

QUANTITY
(c/y, tons, gal.)

NET WEIGHT
(subject to change)

Leubels

820

2997932 - 3003249

A. 1.22 - 64

B. 1.42 - 83

Carrier: *GottaDo*

Date Received: _____

Driver's Name _____

Received By: _____

Signature: _____

Signature: _____

Appendix F

YATES COUNTY TORREY LANDFILL

Form A
SITE INSPECTION FORM

Name of Inspector: BJM
Title: Senior Staff field scientist
Date of Inspection: 03/30/22
Weather Conditions: cloudy 32°F SE 11 MPH-wind

1. Leachate tanks being monitored regularly:
 Yes No

Date of last tank inspection: 03/23/22

Collect Inspection Forms (Ted's Electric and leachate tanks)
 Yes No - No forms this inspection

2. Access road condition:
 Good Fair Poor

If poor, describe: _____

3. Vegetative cover:
 Good Fair Poor

If poor, describe: _____

4. Woody plants present on cap:
 Yes No

5. Mowing required:
 Yes No

6. Condition of gas vents:
 Unobstructed Obstructed Damaged Missing

If damaged, describe: _____

7. Erosion of cap:
 None Minor Needs Repair

Describe repair needed: _____

8. Evidence of ponded water on cap:
 None Suspected Observed

Indicate location on map and describe: _____

9. Evidence of animal borrows on cap:

Yes No

If yes, backfill as required. Date backfilled: _____

10. Leachate seeps observed on cap:

Yes No

If yes, indicate location(s) on site map. Describe appearance: _____

11. Other leachate seeps observed (not on cap):

Yes No

If yes, indicate location(s) on site map. Describe appearance: _____

12. Litter on or around landfill:

Yes No

If yes, describe and indicate location(s) on site: _____

13. Condition of monitoring wells. Inspect each well and check boxes below as completed. All wells should be secured and locked. If damaged, identify well number and describe damage:

<input checked="" type="checkbox"/> MW-1S	<input checked="" type="checkbox"/> PW-1	<input checked="" type="checkbox"/> MW-13S
<input checked="" type="checkbox"/> MW-3S	<input checked="" type="checkbox"/> PW-5	<input checked="" type="checkbox"/> MW-15
<input checked="" type="checkbox"/> MW-4S	<input checked="" type="checkbox"/> PW-8	<input checked="" type="checkbox"/> MW-16
<input checked="" type="checkbox"/> MW-4D	<input checked="" type="checkbox"/> PW-10	<input checked="" type="checkbox"/> MW-17
<input checked="" type="checkbox"/> MW-5S	<input checked="" type="checkbox"/> MW-12M	<input checked="" type="checkbox"/> PZ-2
<input checked="" type="checkbox"/> MW-8D	<input checked="" type="checkbox"/> MW-12D	<input checked="" type="checkbox"/> PZ-3

Additional Comments:

Landfill looks great, settled spot
Grill available, Town has cut more trees along
fire force lines

- East Riser/Pump house has observed water damage - historic not worsening
- west Pump house - Light observed hanging by electric wires - historically observed

YATES COUNTY TORREY LANDFILL

Form A
SITE INSPECTION FORM

Name of Inspector: BJM
Title: Senior Staff Field Scientist
Date of Inspection: 05/31/22
Weather Conditions: 84°F, Sunny, 10 mph NW wind

1. Leachate tanks being monitored regularly:
 Yes No
Date of last tank inspection: 05/30/22

Collect Inspection Forms (Ted's Electric and leachate tanks)
 Yes No

2. Access road condition:
 Good Fair Poor

If poor, describe: _____

3. Vegetative cover:
 Good Fair Poor

If poor, describe: _____

4. Woody plants present on cap:
 Yes No

5. Mowing required:
 Yes No

6. Condition of gas vents:
 Unobstructed Obstructed Damaged Missing

If damaged, describe: _____

7. Erosion of cap:
 None Minor Needs Repair

Describe repair needed: _____

8. Evidence of ponded water on cap:
 None Suspected Observed

Indicate location on map and describe: see map - Historic location

9. Evidence of animal borrows on cap:

Yes No

If yes, backfill as required. Date backfilled: _____

10. Leachate seeps observed on cap:

Yes No

If yes, indicate location(s) on site map. Describe appearance: _____

11. Other leachate seeps observed (not on cap):

Yes No

If yes, indicate location(s) on site map. Describe appearance: _____

12. Litter on or around landfill:

Yes No

If yes, describe and indicate location(s) on site: _____

13. Condition of monitoring wells. Inspect each well and check boxes below as completed. All wells should be secured and locked. If damaged, identify well number and describe damage:

- | | | |
|---|--|--|
| <input checked="" type="checkbox"/> MW-1S | <input checked="" type="checkbox"/> PW-1 | <input checked="" type="checkbox"/> MW-13S |
| <input checked="" type="checkbox"/> MW-3S | <input checked="" type="checkbox"/> PW-5 | <input checked="" type="checkbox"/> MW-15 |
| <input checked="" type="checkbox"/> MW-4S | <input checked="" type="checkbox"/> PW-8 | <input checked="" type="checkbox"/> MW-16 |
| <input checked="" type="checkbox"/> MW-4D | <input checked="" type="checkbox"/> PW-10 | <input checked="" type="checkbox"/> MW-17 |
| <input checked="" type="checkbox"/> MW-5S | <input checked="" type="checkbox"/> MW-12M | <input checked="" type="checkbox"/> PZ-2 |
| <input checked="" type="checkbox"/> MW-8D | <input checked="" type="checkbox"/> MW-12D | <input checked="" type="checkbox"/> PZ-3 |

Additional Comments:

- 1) Mow/Remove woody plants inside secondary containment for the leachate tanks
- 2) Need to upright all marker signs for wells - especially along NE side of LF (yellow poles/signs)
- 3) Need to weed wash around all MW's as part of mowing to prevent woody plants from taking hold next to structures
- 4) main light/pump house still down - see historic photos

YATES COUNTY TORREY LANDFILL

Form A
SITE INSPECTION FORM

Name of Inspector:

BJM / DMJ

Title:

Senior Staff Field Scientist

Date of Inspection:

08/29/22

Weather Conditions:

Sunny 82° wind S 10 mph

1. Leachate tanks being monitored regularly:

Yes No

Date of last tank inspection: 08/29/22

Collect Inspection Forms (Ted's Electric and leachate tanks)

Yes No

2. Access road condition:

Good Fair Poor

If poor, describe: _____

3. Vegetative cover:

Good Fair Poor

If poor, describe: _____

4. Woody plants present on cap:

Yes No

5. Mowing required:

Yes No - around

6. Condition of gas vents:

Unobstructed Obstructed Damaged Missing

If damaged, describe: _____

7. Erosion of cap:

None Minor Needs Repair

Describe repair needed: _____

8. Evidence of ponded water on cap:

None Suspected Observed

Indicate location on map and describe: Dry conditions - low spots observed

see site photo

9. Evidence of animal borrows on cap:

Yes No

If yes, backfill as required. Date backfilled: _____

10. Leachate seeps observed on cap:

Yes No

If yes, indicate location(s) on site map. Describe appearance: _____

11. Other leachate seeps observed (not on cap):

Yes No

If yes, indicate location(s) on site map. Describe appearance: _____

12. Litter on or around landfill:

Yes No

If yes, describe and indicate location(s) on site: _____

13. Condition of monitoring wells. Inspect each well and check boxes below as completed. All wells should be secured and locked. If damaged, identify well number and describe damage:

<input checked="" type="checkbox"/> MW-1S	<input checked="" type="checkbox"/> PW-1	<input checked="" type="checkbox"/> MW-13S
<input checked="" type="checkbox"/> MW-3S	<input checked="" type="checkbox"/> PW-5	<input checked="" type="checkbox"/> MW-15
<input checked="" type="checkbox"/> MW-4S	<input checked="" type="checkbox"/> PW-8	<input checked="" type="checkbox"/> MW-16
<input checked="" type="checkbox"/> MW-4D	<input checked="" type="checkbox"/> PW-10	<input checked="" type="checkbox"/> MW-17
<input checked="" type="checkbox"/> MW-5S	<input checked="" type="checkbox"/> MW-12M	<input checked="" type="checkbox"/> PZ-2
<input checked="" type="checkbox"/> MW-8D	<input checked="" type="checkbox"/> MW-12D	<input checked="" type="checkbox"/> PZ-3

Additional Comments:

Meeting w/ Town to discuss all required maintenance items listed on this and Hinkley LFI sheet from this year and last. Town will address these items - cut veg around gas vents, in sec. containment, repair Oldies - light and metal damage, ~~and~~ repair sensors, and fill in settled areas as needed w/ site material.

YATES COUNTY TORREY LANDFILL

Form A
SITE INSPECTION FORM

Name of Inspector: Brian McGraw
Title: Senior Staff Field Scientist
Date of Inspection: 10/20/22
Weather Conditions: P-C. LT Rain 67 50% 51 mph

1. Leachate tanks being monitored regularly:
 Yes No

Date of last tank inspection: 10/24/22

Collect Inspection Forms (Ted's Electric and leachate tanks)
 Yes No

2. Access road condition:
 Good Fair Poor

If poor, describe: _____

3. Vegetative cover:
 Good Fair Poor

If poor, describe: _____

4. Woody plants present on cap:
 Yes No

5. Mowing required:
 Yes No

6. Condition of gas vents:
 Unobstructed Obstructed Damaged Missing

If damaged, describe: _____

7. Erosion of cap:
 None Minor Needs Repair

Describe repair needed: _____

8. Evidence of ponded water on cap:
 None Suspected Observed

Indicate location on map and describe: - low historical spots - see photos in file

9. Evidence of animal borrows on cap:

Yes No

If yes, backfill as required. Date backfilled: _____

10. Leachate seeps observed on cap:

Yes No

If yes, indicate location(s) on site map. Describe appearance: _____

11. Other leachate seeps observed (not on cap):

Yes No

If yes, indicate location(s) on site map. Describe appearance: _____

12. Litter on or around landfill:

Yes No

If yes, describe and indicate location(s) on site: _____

13. Condition of monitoring wells. Inspect each well and check boxes below as completed. All wells should be secured and locked. If damaged, identify well number and describe damage:

<input checked="" type="checkbox"/> MW-1S	<input checked="" type="checkbox"/> PW-1	<input checked="" type="checkbox"/> MW-13S
<input checked="" type="checkbox"/> MW-3S	<input checked="" type="checkbox"/> PW-5	<input checked="" type="checkbox"/> MW-15
<input checked="" type="checkbox"/> MW-4S	<input checked="" type="checkbox"/> PW-8	<input checked="" type="checkbox"/> MW-16
<input checked="" type="checkbox"/> MW-4D	<input checked="" type="checkbox"/> PW-10	<input checked="" type="checkbox"/> MW-17
<input checked="" type="checkbox"/> MW-5S	<input checked="" type="checkbox"/> MW-12M	<input checked="" type="checkbox"/> PZ-2
<input checked="" type="checkbox"/> MW-8D	<input checked="" type="checkbox"/> MW-12D	<input checked="" type="checkbox"/> PZ-3

Additional Comments:

Town is in the process of removing all woody veg. from fences & SCC containment. They have also been uprighting all identification post for wells and contained areas. West pump house has had light fixture fixed and both East & West pump house have all veg- removed from around. Oldgo. Drainage swales near SCC Cont. have been ~~removed~~ had all woody veg removed from them & site is in great overall shape

**YATES COUNTY - TORREY LANDFILL
EXPLOSIVE GAS MONITORING**

August ~~2, 2018~~ 29, 2022

STATION	AUGER TOTAL DEPTH (ft)	LEL %	COMMENTS
SG-1	12"	0.00	
SG-2	18"	0.00	
SG-3	16"	0.00	
SG-4	18"	0.00	
SG-5	18"	0.00	
SG-6	12"	0.00	
SG-7	18"	0.00	
SG-8	16"	0.00	
SG-9	18"	0.00	
SG-10	18"	0.00	
SG-11	12"	0.00	
SG-12	12"	0.00	

Sample points augered with 1-in diameter corkscrew auger
Sample locations shown on Figure 2 "Post-Closure Monitoring Plan"



Calibration Certificate

rev 8/9/11

Work Order No.: SE-107362

Date of Service: 08/26/22

Order Time: 4:55:26 PM

Unit Under Test: RAE MultiRAE

Asset No.: FA01210

Technician: Judson Goode

Initials: 

Serial No: MBB3Z061R2

TEST	Specification	Result
Standard Calibration	Pass/Fail	Pass

TEST STANDARDS USED:

DESCRIPTION	LOT NO./EXPIRATION DATE	QUANTITY
Four Gas Mix for RAE	Lot No. 304-402055661-1 Exp. 05/25/2023	1
50% Methane & 35% Carbon Dioxide in N2	Lot No.304-402060911-1 Exp. 3/15/2025	1

TEST EQUIPMENT USED:

DESCRIPTION	ASSET NO.	SERIAL NO.	DATE OF LAST CAL	DATE CAL DUE

Test Equipment and standards are traceable to National standards.

Appendix G



Geology

Hydrology

Remediation

Water Supply

April 5, 2023

Mr. Darik M. Jordan
Managing Environmental Scientist
Barton & Loguidice, D.P.C.
11 Centre Park, Suite 203
Rochester, New York 14614

Re: Data Validation report
Torrey Landfill
June 2022 Ground/Surface Water Sampling Events

Dear Mr. Jordan:

The data usability summary report (DUSR) and validation summaries for the Yates County/Torrey Landfill project, June 2022 ground/surface water sampling event. The data for ALS Environmental service request number R2205713 were mostly acceptable with issues that are identified in the DUSR and validation summaries. There are data qualified as rejected, unusable (R) in the data pack. The reason is outlined in the DUSR and QA/QC review. The data is rejected based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

A list of data validation acronyms and qualifiers is attached to assist you in interpreting the data validation reviews. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Barton & Loguidice.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA/bms
Via email

z:\projects\2022\22600-22620\22613-torrey landfill\temp review\torrey landfill-231.ltr.docx



**Data Usability Summary Report
for ALS Group USA, Corp.
Service Request: R2205713**

**17 Ground Water Samples, 1 Field Duplicate,
1 Surface Water Sample, and 2 Trip Blanks
Collected June 22-23, 2022**

Prepared by: Donald Anné
April 5, 2023

Geology
Hydrology
Remediation
Water Supply

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The results of baseline volatiles, metals, and general chemistries for 17 ground water samples, 1 field duplicate, and 1 surface water sample, and the results of baseline volatiles for 2 trip blanks.

The overall performances of the analyses are acceptable. ALS Group USA, Corp. did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The positive volatile result for acetone was qualified as estimated (J) for sample MW-12D_062322 because %D for acetone was above the allowable maximum (20%) in the associated continuing calibration.
- The positive metal results for iron were qualified as estimated (J) for samples MW-12D_062322 and MW-12D DUP_062322 because relative percent difference for iron was above the allowable maximum for aqueous field duplicate pair MW-12D_062322/MW-12D DUP_062322.
- The positive general chemistry results for total kjeldahl nitrogen (TKN) were qualified as “estimated, biased high” (J+) for the following samples because 1 of 2 percent recoveries for TKN was above QC limits in the associated aqueous MS/MSD sample.

MW-12D_062322
MW-4D_062322
MW-16_062322
MW-8D_062322

MW-12D DUP_062322
MW-4S_062322
PW-5_062322
MW-15_062322

MW-1S_062322
MW-PZ-2_062322
PW-1_062322
MW-5S_062322

- The positive general chemistry results for chemical oxygen demand (COD) were qualified as “estimated, biased low” (J-) for the following samples because 1 of 2 percent recoveries for ammonia were below QC limits, but not below 30% in the associated aqueous MS/MSD samples.

MW-12D_062322	MW-12D DUP_062322	MW-4D_062322
MW-4S_062322	MW-PZ-2_062322	PW-1_062322
MW-8D_062322	MW-15_062322	MW-5S_062322

- The “not detected” general chemistry results for COD were qualified as “estimated” (UJ) for the following samples because 1 of 2 percent recoveries for ammonia were below QC limits, but not below 30% in the associated aqueous MS/MSD samples.

PZ-3_062222	MW-17_062222	MW-12M_062222
Downstream_062222	MW-13S_062222	PW-10_062222
MW-1S_062322	MW-3S_062322	MW-16_062322
PW-5_062322		

- The “not detected” general chemistry results for hexavalent chromium (Cr6+) were qualified as “rejected, unusable” (R) for the following samples because 2 of 2 percent recoveries for Cr6+ were below QC limits and below 30% in the associated aqueous MS/MSD sample.

PZ-3_062222	MW-17_062222	MW-12M_062222
Downstream_062222	MW-13S_062222	PW-10_062222

- The positive general chemistry results for color were qualified as estimated (J) for the following samples because relative percent difference for color was above the allowable maximum (20%) in the associated aqueous duplicate sample.

MW-12D_062322	MW-12D DUP_062322	MW-1S_062322
MW-3S_062322	MW-4D_062322	MW-4S_062322
MW-PZ-2_062322	MW-16_062322	PW-5_062322
PW-1_062322	MW-8D_062322	MW-15_062322
MW-5S_062322		

All data that are not qualified rejected (R) are considered usable with estimated (J+, J-, J, or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

Qualified Data Section

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 11:20
Date Received: 06/22/22 16:05

Sample Name: Trip Blank_062222
Lab Code: R2205713-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 01:45	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 01:45	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 01:45	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 01:45	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 01:45	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 01:45	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 01:45	
2-Butanone (MEK)	10 U	10	1	06/29/22 01:45	
2-Hexanone	10 U	10	1	06/29/22 01:45	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 01:45	
Acetone	10 U	10	1	06/29/22 01:45	
Benzene	5.0 U	5.0	1	06/29/22 01:45	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 01:45	
Bromoform	5.0 U	5.0	1	06/29/22 01:45	
Bromomethane	5.0 U	5.0	1	06/29/22 01:45	
Carbon Disulfide	10 U	10	1	06/29/22 01:45	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 01:45	
Chlorobenzene	5.0 U	5.0	1	06/29/22 01:45	
Chloroethane	5.0 U	5.0	1	06/29/22 01:45	
Chloroform	5.0 U	5.0	1	06/29/22 01:45	
Chloromethane	5.0 U	5.0	1	06/29/22 01:45	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 01:45	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 01:45	
Methylene Chloride	5.0 U	5.0	1	06/29/22 01:45	
Ethylbenzene	5.0 U	5.0	1	06/29/22 01:45	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 01:45	
Styrene	5.0 U	5.0	1	06/29/22 01:45	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 01:45	
Toluene	5.0 U	5.0	1	06/29/22 01:45	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 01:45	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 01:45	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 01:45	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 01:45	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 01:45	
o-Xylene	5.0 U	5.0	1	06/29/22 01:45	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 01:45	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 01:45	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 11:20
Date Received: 06/22/22 16:05

Sample Name: Trip Blank_062222
Lab Code: R2205713-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/29/22 01:45	
Dibromofluoromethane	101	80 - 116	06/29/22 01:45	
Toluene-d8	105	87 - 121	06/29/22 01:45	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 11:20
Date Received: 06/22/22 16:05

Sample Name: PZ-3_062222
Lab Code: R2205713-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 02:07	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 02:07	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 02:07	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 02:07	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 02:07	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 02:07	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 02:07	
2-Butanone (MEK)	10 U	10	1	06/29/22 02:07	
2-Hexanone	10 U	10	1	06/29/22 02:07	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 02:07	
Acetone	10 U	10	1	06/29/22 02:07	
Benzene	5.0 U	5.0	1	06/29/22 02:07	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 02:07	
Bromoform	5.0 U	5.0	1	06/29/22 02:07	
Bromomethane	5.0 U	5.0	1	06/29/22 02:07	
Carbon Disulfide	10 U	10	1	06/29/22 02:07	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 02:07	
Chlorobenzene	5.0 U	5.0	1	06/29/22 02:07	
Chloroethane	5.0 U	5.0	1	06/29/22 02:07	
Chloroform	5.0 U	5.0	1	06/29/22 02:07	
Chloromethane	5.0 U	5.0	1	06/29/22 02:07	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 02:07	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 02:07	
Methylene Chloride	5.0 U	5.0	1	06/29/22 02:07	
Ethylbenzene	5.0 U	5.0	1	06/29/22 02:07	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 02:07	
Styrene	5.0 U	5.0	1	06/29/22 02:07	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 02:07	
Toluene	5.0 U	5.0	1	06/29/22 02:07	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 02:07	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 02:07	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 02:07	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 02:07	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 02:07	
o-Xylene	5.0 U	5.0	1	06/29/22 02:07	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 02:07	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 02:07	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 11:20
Date Received: 06/22/22 16:05

Sample Name: PZ-3_062222
Lab Code: R2205713-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	06/29/22 02:07	
Dibromofluoromethane	100	80 - 116	06/29/22 02:07	
Toluene-d8	102	87 - 121	06/29/22 02:07	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 11:55
Date Received: 06/22/22 16:05

Sample Name: MW-17_062222
Lab Code: R2205713-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 02:28	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 02:28	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 02:28	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 02:28	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 02:28	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 02:28	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 02:28	
2-Butanone (MEK)	10 U	10	1	06/29/22 02:28	
2-Hexanone	10 U	10	1	06/29/22 02:28	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 02:28	
Acetone	10 U	10	1	06/29/22 02:28	
Benzene	5.0 U	5.0	1	06/29/22 02:28	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 02:28	
Bromoform	5.0 U	5.0	1	06/29/22 02:28	
Bromomethane	5.0 U	5.0	1	06/29/22 02:28	
Carbon Disulfide	10 U	10	1	06/29/22 02:28	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 02:28	
Chlorobenzene	5.0 U	5.0	1	06/29/22 02:28	
Chloroethane	5.0 U	5.0	1	06/29/22 02:28	
Chloroform	5.0 U	5.0	1	06/29/22 02:28	
Chloromethane	5.0 U	5.0	1	06/29/22 02:28	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 02:28	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 02:28	
Methylene Chloride	5.0 U	5.0	1	06/29/22 02:28	
Ethylbenzene	5.0 U	5.0	1	06/29/22 02:28	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 02:28	
Styrene	5.0 U	5.0	1	06/29/22 02:28	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 02:28	
Toluene	5.0 U	5.0	1	06/29/22 02:28	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 02:28	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 02:28	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 02:28	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 02:28	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 02:28	
o-Xylene	5.0 U	5.0	1	06/29/22 02:28	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 02:28	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 02:28	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 11:55
Date Received: 06/22/22 16:05

Sample Name: MW-17_062222
Lab Code: R2205713-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	06/29/22 02:28	
Dibromofluoromethane	100	80 - 116	06/29/22 02:28	
Toluene-d8	104	87 - 121	06/29/22 02:28	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 12:30
Date Received: 06/22/22 16:05

Sample Name: MW-12M_062222
Lab Code: R2205713-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 02:50	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 02:50	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 02:50	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 02:50	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 02:50	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 02:50	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 02:50	
2-Butanone (MEK)	10 U	10	1	06/29/22 02:50	
2-Hexanone	10 U	10	1	06/29/22 02:50	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 02:50	
Acetone	10 U	10	1	06/29/22 02:50	
Benzene	5.0 U	5.0	1	06/29/22 02:50	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 02:50	
Bromoform	5.0 U	5.0	1	06/29/22 02:50	
Bromomethane	5.0 U	5.0	1	06/29/22 02:50	
Carbon Disulfide	10 U	10	1	06/29/22 02:50	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 02:50	
Chlorobenzene	5.0 U	5.0	1	06/29/22 02:50	
Chloroethane	5.0 U	5.0	1	06/29/22 02:50	
Chloroform	5.0 U	5.0	1	06/29/22 02:50	
Chloromethane	5.0 U	5.0	1	06/29/22 02:50	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 02:50	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 02:50	
Methylene Chloride	5.0 U	5.0	1	06/29/22 02:50	
Ethylbenzene	5.0 U	5.0	1	06/29/22 02:50	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 02:50	
Styrene	5.0 U	5.0	1	06/29/22 02:50	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 02:50	
Toluene	5.0 U	5.0	1	06/29/22 02:50	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 02:50	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 02:50	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 02:50	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 02:50	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 02:50	
o-Xylene	5.0 U	5.0	1	06/29/22 02:50	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 02:50	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 02:50	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 12:30
Date Received: 06/22/22 16:05

Sample Name: MW-12M_062222
Lab Code: R2205713-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	06/29/22 02:50	
Dibromofluoromethane	101	80 - 116	06/29/22 02:50	
Toluene-d8	103	87 - 121	06/29/22 02:50	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 12:45
Date Received: 06/22/22 16:05

Sample Name: Downstream_062222
Lab Code: R2205713-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 03:12	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 03:12	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 03:12	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 03:12	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 03:12	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 03:12	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 03:12	
2-Butanone (MEK)	10 U	10	1	06/29/22 03:12	
2-Hexanone	10 U	10	1	06/29/22 03:12	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 03:12	
Acetone	10 U	10	1	06/29/22 03:12	
Benzene	5.0 U	5.0	1	06/29/22 03:12	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 03:12	
Bromoform	5.0 U	5.0	1	06/29/22 03:12	
Bromomethane	5.0 U	5.0	1	06/29/22 03:12	
Carbon Disulfide	10 U	10	1	06/29/22 03:12	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 03:12	
Chlorobenzene	5.0 U	5.0	1	06/29/22 03:12	
Chloroethane	5.0 U	5.0	1	06/29/22 03:12	
Chloroform	5.0 U	5.0	1	06/29/22 03:12	
Chloromethane	5.0 U	5.0	1	06/29/22 03:12	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 03:12	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 03:12	
Methylene Chloride	5.0 U	5.0	1	06/29/22 03:12	
Ethylbenzene	5.0 U	5.0	1	06/29/22 03:12	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 03:12	
Styrene	5.0 U	5.0	1	06/29/22 03:12	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 03:12	
Toluene	5.0 U	5.0	1	06/29/22 03:12	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 03:12	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 03:12	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 03:12	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 03:12	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 03:12	
o-Xylene	5.0 U	5.0	1	06/29/22 03:12	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 03:12	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 03:12	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 12:45
Date Received: 06/22/22 16:05

Sample Name: Downstream_062222
Lab Code: R2205713-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	06/29/22 03:12	
Dibromofluoromethane	104	80 - 116	06/29/22 03:12	
Toluene-d8	105	87 - 121	06/29/22 03:12	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 13:05
Date Received: 06/22/22 16:05

Sample Name: MW-13S_062222
Lab Code: R2205713-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 03:34	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 03:34	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 03:34	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 03:34	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 03:34	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 03:34	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 03:34	
2-Butanone (MEK)	10 U	10	1	06/29/22 03:34	
2-Hexanone	10 U	10	1	06/29/22 03:34	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 03:34	
Acetone	10 U	10	1	06/29/22 03:34	
Benzene	5.0 U	5.0	1	06/29/22 03:34	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 03:34	
Bromoform	5.0 U	5.0	1	06/29/22 03:34	
Bromomethane	5.0 U	5.0	1	06/29/22 03:34	
Carbon Disulfide	10 U	10	1	06/29/22 03:34	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 03:34	
Chlorobenzene	5.0 U	5.0	1	06/29/22 03:34	
Chloroethane	5.0 U	5.0	1	06/29/22 03:34	
Chloroform	5.0 U	5.0	1	06/29/22 03:34	
Chloromethane	5.0 U	5.0	1	06/29/22 03:34	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 03:34	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 03:34	
Methylene Chloride	5.0 U	5.0	1	06/29/22 03:34	
Ethylbenzene	5.0 U	5.0	1	06/29/22 03:34	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 03:34	
Styrene	5.0 U	5.0	1	06/29/22 03:34	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 03:34	
Toluene	5.0 U	5.0	1	06/29/22 03:34	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 03:34	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 03:34	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 03:34	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 03:34	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 03:34	
o-Xylene	5.0 U	5.0	1	06/29/22 03:34	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 03:34	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 03:34	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 13:05
Date Received: 06/22/22 16:05

Sample Name: MW-13S_062222
Lab Code: R2205713-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/29/22 03:34	
Dibromofluoromethane	101	80 - 116	06/29/22 03:34	
Toluene-d8	103	87 - 121	06/29/22 03:34	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 13:50
Date Received: 06/22/22 16:05

Sample Name: PW-10_062222
Lab Code: R2205713-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 03:56	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 03:56	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 03:56	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 03:56	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 03:56	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 03:56	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 03:56	
2-Butanone (MEK)	10 U	10	1	06/29/22 03:56	
2-Hexanone	10 U	10	1	06/29/22 03:56	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 03:56	
Acetone	10 U	10	1	06/29/22 03:56	
Benzene	5.0 U	5.0	1	06/29/22 03:56	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 03:56	
Bromoform	5.0 U	5.0	1	06/29/22 03:56	
Bromomethane	5.0 U	5.0	1	06/29/22 03:56	
Carbon Disulfide	10 U	10	1	06/29/22 03:56	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 03:56	
Chlorobenzene	5.0 U	5.0	1	06/29/22 03:56	
Chloroethane	5.0 U	5.0	1	06/29/22 03:56	
Chloroform	5.0 U	5.0	1	06/29/22 03:56	
Chloromethane	5.0 U	5.0	1	06/29/22 03:56	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 03:56	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 03:56	
Methylene Chloride	5.0 U	5.0	1	06/29/22 03:56	
Ethylbenzene	5.0 U	5.0	1	06/29/22 03:56	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 03:56	
Styrene	5.0 U	5.0	1	06/29/22 03:56	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 03:56	
Toluene	5.0 U	5.0	1	06/29/22 03:56	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 03:56	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 03:56	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 03:56	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 03:56	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 03:56	
o-Xylene	5.0 U	5.0	1	06/29/22 03:56	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 03:56	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 03:56	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 13:50
Date Received: 06/22/22 16:05

Sample Name: PW-10_062222
Lab Code: R2205713-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	06/29/22 03:56	
Dibromofluoromethane	103	80 - 116	06/29/22 03:56	
Toluene-d8	105	87 - 121	06/29/22 03:56	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45

Sample Name: Trip Blank_062322
Lab Code: R2205713-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 04:18	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 04:18	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 04:18	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 04:18	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 04:18	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 04:18	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 04:18	
2-Butanone (MEK)	10 U	10	1	06/29/22 04:18	
2-Hexanone	10 U	10	1	06/29/22 04:18	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 04:18	
Acetone	10 U	10	1	06/29/22 04:18	
Benzene	5.0 U	5.0	1	06/29/22 04:18	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 04:18	
Bromoform	5.0 U	5.0	1	06/29/22 04:18	
Bromomethane	5.0 U	5.0	1	06/29/22 04:18	
Carbon Disulfide	10 U	10	1	06/29/22 04:18	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 04:18	
Chlorobenzene	5.0 U	5.0	1	06/29/22 04:18	
Chloroethane	5.0 U	5.0	1	06/29/22 04:18	
Chloroform	5.0 U	5.0	1	06/29/22 04:18	
Chloromethane	5.0 U	5.0	1	06/29/22 04:18	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 04:18	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 04:18	
Methylene Chloride	5.0 U	5.0	1	06/29/22 04:18	
Ethylbenzene	5.0 U	5.0	1	06/29/22 04:18	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 04:18	
Styrene	5.0 U	5.0	1	06/29/22 04:18	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 04:18	
Toluene	5.0 U	5.0	1	06/29/22 04:18	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 04:18	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 04:18	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 04:18	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 04:18	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 04:18	
o-Xylene	5.0 U	5.0	1	06/29/22 04:18	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 04:18	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 04:18	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45

Sample Name: Trip Blank_062322
Lab Code: R2205713-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	06/29/22 04:18	
Dibromofluoromethane	102	80 - 116	06/29/22 04:18	
Toluene-d8	102	87 - 121	06/29/22 04:18	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45

Sample Name: MW-12D_062322
Lab Code: R2205713-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 04:39	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 04:39	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 04:39	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 04:39	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 04:39	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 04:39	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 04:39	
2-Butanone (MEK)	10 U	10	1	06/29/22 04:39	
2-Hexanone	10 U	10	1	06/29/22 04:39	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 04:39	
Acetone	11 J	10	1	06/29/22 04:39	
Benzene	5.0 U	5.0	1	06/29/22 04:39	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 04:39	
Bromoform	5.0 U	5.0	1	06/29/22 04:39	
Bromomethane	5.0 U	5.0	1	06/29/22 04:39	
Carbon Disulfide	10 U	10	1	06/29/22 04:39	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 04:39	
Chlorobenzene	5.0 U	5.0	1	06/29/22 04:39	
Chloroethane	5.0 U	5.0	1	06/29/22 04:39	
Chloroform	5.0 U	5.0	1	06/29/22 04:39	
Chloromethane	5.0 U	5.0	1	06/29/22 04:39	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 04:39	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 04:39	
Methylene Chloride	5.0 U	5.0	1	06/29/22 04:39	
Ethylbenzene	5.0 U	5.0	1	06/29/22 04:39	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 04:39	
Styrene	5.0 U	5.0	1	06/29/22 04:39	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 04:39	
Toluene	5.0 U	5.0	1	06/29/22 04:39	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 04:39	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 04:39	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 04:39	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 04:39	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 04:39	
o-Xylene	5.0 U	5.0	1	06/29/22 04:39	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 04:39	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 04:39	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45

Sample Name: MW-12D_062322
Lab Code: R2205713-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	06/29/22 04:39	
Dibromofluoromethane	104	80 - 116	06/29/22 04:39	
Toluene-d8	105	87 - 121	06/29/22 04:39	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45

Sample Name: MW-12D Dup_062322
Lab Code: R2205713-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 14:12	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 14:12	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 14:12	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 14:12	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 14:12	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 14:12	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 14:12	
2-Butanone (MEK)	10 U	10	1	06/29/22 14:12	
2-Hexanone	10 U	10	1	06/29/22 14:12	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 14:12	
Acetone	11	10	1	06/29/22 14:12	
Benzene	5.0 U	5.0	1	06/29/22 14:12	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 14:12	
Bromoform	5.0 U	5.0	1	06/29/22 14:12	
Bromomethane	5.0 U	5.0	1	06/29/22 14:12	
Carbon Disulfide	10 U	10	1	06/29/22 14:12	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 14:12	
Chlorobenzene	5.0 U	5.0	1	06/29/22 14:12	
Chloroethane	5.0 U	5.0	1	06/29/22 14:12	
Chloroform	5.0 U	5.0	1	06/29/22 14:12	
Chloromethane	5.0 U	5.0	1	06/29/22 14:12	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 14:12	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 14:12	
Methylene Chloride	5.0 U	5.0	1	06/29/22 14:12	
Ethylbenzene	5.0 U	5.0	1	06/29/22 14:12	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 14:12	
Styrene	5.0 U	5.0	1	06/29/22 14:12	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 14:12	
Toluene	5.0 U	5.0	1	06/29/22 14:12	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 14:12	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 14:12	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 14:12	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 14:12	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 14:12	
o-Xylene	5.0 U	5.0	1	06/29/22 14:12	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 14:12	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 14:12	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45

Sample Name: MW-12D Dup_062322
Lab Code: R2205713-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	06/29/22 14:12	
Dibromofluoromethane	103	80 - 116	06/29/22 14:12	
Toluene-d8	105	87 - 121	06/29/22 14:12	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 09:40
Date Received: 06/23/22 15:45

Sample Name: MW-1S_062322
Lab Code: R2205713-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 05:23	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 05:23	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 05:23	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 05:23	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 05:23	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 05:23	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 05:23	
2-Butanone (MEK)	10 U	10	1	06/29/22 05:23	
2-Hexanone	10 U	10	1	06/29/22 05:23	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 05:23	
Acetone	10 U	10	1	06/29/22 05:23	
Benzene	5.0 U	5.0	1	06/29/22 05:23	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 05:23	
Bromoform	5.0 U	5.0	1	06/29/22 05:23	
Bromomethane	5.0 U	5.0	1	06/29/22 05:23	
Carbon Disulfide	10 U	10	1	06/29/22 05:23	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 05:23	
Chlorobenzene	5.0 U	5.0	1	06/29/22 05:23	
Chloroethane	5.0 U	5.0	1	06/29/22 05:23	
Chloroform	5.0 U	5.0	1	06/29/22 05:23	
Chloromethane	5.0 U	5.0	1	06/29/22 05:23	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 05:23	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 05:23	
Methylene Chloride	5.0 U	5.0	1	06/29/22 05:23	
Ethylbenzene	5.0 U	5.0	1	06/29/22 05:23	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 05:23	
Styrene	5.0 U	5.0	1	06/29/22 05:23	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 05:23	
Toluene	5.0 U	5.0	1	06/29/22 05:23	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 05:23	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 05:23	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 05:23	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 05:23	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 05:23	
o-Xylene	5.0 U	5.0	1	06/29/22 05:23	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 05:23	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 05:23	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 09:40
Date Received: 06/23/22 15:45

Sample Name: MW-1S_062322
Lab Code: R2205713-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/29/22 05:23	
Dibromofluoromethane	103	80 - 116	06/29/22 05:23	
Toluene-d8	104	87 - 121	06/29/22 05:23	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 10:10
Date Received: 06/23/22 15:45

Sample Name: MW-3S_062322
Lab Code: R2205713-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 05:45	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 05:45	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 05:45	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 05:45	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 05:45	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 05:45	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 05:45	
2-Butanone (MEK)	10 U	10	1	06/29/22 05:45	
2-Hexanone	10 U	10	1	06/29/22 05:45	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 05:45	
Acetone	10 U	10	1	06/29/22 05:45	
Benzene	5.0 U	5.0	1	06/29/22 05:45	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 05:45	
Bromoform	5.0 U	5.0	1	06/29/22 05:45	
Bromomethane	5.0 U	5.0	1	06/29/22 05:45	
Carbon Disulfide	10 U	10	1	06/29/22 05:45	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 05:45	
Chlorobenzene	5.0 U	5.0	1	06/29/22 05:45	
Chloroethane	5.0 U	5.0	1	06/29/22 05:45	
Chloroform	5.0 U	5.0	1	06/29/22 05:45	
Chloromethane	5.0 U	5.0	1	06/29/22 05:45	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 05:45	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 05:45	
Methylene Chloride	5.0 U	5.0	1	06/29/22 05:45	
Ethylbenzene	5.0 U	5.0	1	06/29/22 05:45	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 05:45	
Styrene	5.0 U	5.0	1	06/29/22 05:45	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 05:45	
Toluene	5.0 U	5.0	1	06/29/22 05:45	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 05:45	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 05:45	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 05:45	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 05:45	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 05:45	
o-Xylene	5.0 U	5.0	1	06/29/22 05:45	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 05:45	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 05:45	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 10:10
Date Received: 06/23/22 15:45

Sample Name: MW-3S_062322
Lab Code: R2205713-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	06/29/22 05:45	
Dibromofluoromethane	102	80 - 116	06/29/22 05:45	
Toluene-d8	104	87 - 121	06/29/22 05:45	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 10:30
Date Received: 06/23/22 15:45

Sample Name: MW-4D_062322
Lab Code: R2205713-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 06:07	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 06:07	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 06:07	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 06:07	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 06:07	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 06:07	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 06:07	
2-Butanone (MEK)	10 U	10	1	06/29/22 06:07	
2-Hexanone	10 U	10	1	06/29/22 06:07	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 06:07	
Acetone	10 U	10	1	06/29/22 06:07	
Benzene	5.0 U	5.0	1	06/29/22 06:07	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 06:07	
Bromoform	5.0 U	5.0	1	06/29/22 06:07	
Bromomethane	5.0 U	5.0	1	06/29/22 06:07	
Carbon Disulfide	10 U	10	1	06/29/22 06:07	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 06:07	
Chlorobenzene	5.0 U	5.0	1	06/29/22 06:07	
Chloroethane	5.0 U	5.0	1	06/29/22 06:07	
Chloroform	5.0 U	5.0	1	06/29/22 06:07	
Chloromethane	5.0 U	5.0	1	06/29/22 06:07	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 06:07	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 06:07	
Methylene Chloride	5.0 U	5.0	1	06/29/22 06:07	
Ethylbenzene	5.0 U	5.0	1	06/29/22 06:07	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 06:07	
Styrene	5.0 U	5.0	1	06/29/22 06:07	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 06:07	
Toluene	5.0 U	5.0	1	06/29/22 06:07	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 06:07	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 06:07	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 06:07	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 06:07	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 06:07	
o-Xylene	5.0 U	5.0	1	06/29/22 06:07	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 06:07	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 06:07	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 10:30
Date Received: 06/23/22 15:45

Sample Name: MW-4D_062322
Lab Code: R2205713-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	06/29/22 06:07	
Dibromofluoromethane	103	80 - 116	06/29/22 06:07	
Toluene-d8	104	87 - 121	06/29/22 06:07	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 11:05
Date Received: 06/23/22 15:45

Sample Name: MW-4S_062322
Lab Code: R2205713-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	78	5.0	1	06/29/22 06:28	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 06:28	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 06:28	
1,1-Dichloroethane (1,1-DCA)	29	5.0	1	06/29/22 06:28	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 06:28	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 06:28	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 06:28	
2-Butanone (MEK)	10 U	10	1	06/29/22 06:28	
2-Hexanone	10 U	10	1	06/29/22 06:28	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 06:28	
Acetone	10 U	10	1	06/29/22 06:28	
Benzene	5.0 U	5.0	1	06/29/22 06:28	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 06:28	
Bromoform	5.0 U	5.0	1	06/29/22 06:28	
Bromomethane	5.0 U	5.0	1	06/29/22 06:28	
Carbon Disulfide	10 U	10	1	06/29/22 06:28	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 06:28	
Chlorobenzene	5.0 U	5.0	1	06/29/22 06:28	
Chloroethane	5.0 U	5.0	1	06/29/22 06:28	
Chloroform	5.0 U	5.0	1	06/29/22 06:28	
Chloromethane	5.0 U	5.0	1	06/29/22 06:28	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 06:28	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 06:28	
Methylene Chloride	5.0 U	5.0	1	06/29/22 06:28	
Ethylbenzene	5.0 U	5.0	1	06/29/22 06:28	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 06:28	
Styrene	5.0 U	5.0	1	06/29/22 06:28	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 06:28	
Toluene	5.0 U	5.0	1	06/29/22 06:28	
Trichloroethene (TCE)	21	5.0	1	06/29/22 06:28	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 06:28	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 06:28	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 06:28	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 06:28	
o-Xylene	5.0 U	5.0	1	06/29/22 06:28	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 06:28	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 06:28	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 11:05
Date Received: 06/23/22 15:45

Sample Name: MW-4S_062322
Lab Code: R2205713-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	06/29/22 06:28	
Dibromofluoromethane	101	80 - 116	06/29/22 06:28	
Toluene-d8	101	87 - 121	06/29/22 06:28	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 11:35
Date Received: 06/23/22 15:45

Sample Name: MW-PZ-2_062322
Lab Code: R2205713-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 06:50	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 06:50	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 06:50	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 06:50	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 06:50	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 06:50	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 06:50	
2-Butanone (MEK)	10 U	10	1	06/29/22 06:50	
2-Hexanone	10 U	10	1	06/29/22 06:50	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 06:50	
Acetone	10 U	10	1	06/29/22 06:50	
Benzene	5.0 U	5.0	1	06/29/22 06:50	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 06:50	
Bromoform	5.0 U	5.0	1	06/29/22 06:50	
Bromomethane	5.0 U	5.0	1	06/29/22 06:50	
Carbon Disulfide	10 U	10	1	06/29/22 06:50	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 06:50	
Chlorobenzene	5.0 U	5.0	1	06/29/22 06:50	
Chloroethane	5.0 U	5.0	1	06/29/22 06:50	
Chloroform	5.0 U	5.0	1	06/29/22 06:50	
Chloromethane	5.0 U	5.0	1	06/29/22 06:50	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 06:50	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 06:50	
Methylene Chloride	5.0 U	5.0	1	06/29/22 06:50	
Ethylbenzene	5.0 U	5.0	1	06/29/22 06:50	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 06:50	
Styrene	5.0 U	5.0	1	06/29/22 06:50	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 06:50	
Toluene	5.0 U	5.0	1	06/29/22 06:50	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 06:50	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 06:50	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 06:50	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 06:50	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 06:50	
o-Xylene	5.0 U	5.0	1	06/29/22 06:50	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 06:50	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 06:50	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 11:35
Date Received: 06/23/22 15:45

Sample Name: MW-PZ-2_062322
Lab Code: R2205713-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	06/29/22 06:50	
Dibromofluoromethane	100	80 - 116	06/29/22 06:50	
Toluene-d8	100	87 - 121	06/29/22 06:50	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 12:00
Date Received: 06/23/22 15:45

Sample Name: MW-16_062322
Lab Code: R2205713-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 07:12	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 07:12	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 07:12	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 07:12	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 07:12	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 07:12	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 07:12	
2-Butanone (MEK)	10 U	10	1	06/29/22 07:12	
2-Hexanone	10 U	10	1	06/29/22 07:12	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 07:12	
Acetone	10 U	10	1	06/29/22 07:12	
Benzene	5.0 U	5.0	1	06/29/22 07:12	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 07:12	
Bromoform	5.0 U	5.0	1	06/29/22 07:12	
Bromomethane	5.0 U	5.0	1	06/29/22 07:12	
Carbon Disulfide	10 U	10	1	06/29/22 07:12	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 07:12	
Chlorobenzene	5.0 U	5.0	1	06/29/22 07:12	
Chloroethane	5.0 U	5.0	1	06/29/22 07:12	
Chloroform	5.0 U	5.0	1	06/29/22 07:12	
Chloromethane	5.0 U	5.0	1	06/29/22 07:12	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 07:12	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 07:12	
Methylene Chloride	5.0 U	5.0	1	06/29/22 07:12	
Ethylbenzene	5.0 U	5.0	1	06/29/22 07:12	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 07:12	
Styrene	5.0 U	5.0	1	06/29/22 07:12	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 07:12	
Toluene	5.0 U	5.0	1	06/29/22 07:12	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 07:12	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 07:12	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 07:12	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 07:12	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 07:12	
o-Xylene	5.0 U	5.0	1	06/29/22 07:12	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 07:12	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 07:12	

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dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 12:00
Date Received: 06/23/22 15:45

Sample Name: MW-16_062322
Lab Code: R2205713-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	06/29/22 07:12	
Dibromofluoromethane	104	80 - 116	06/29/22 07:12	
Toluene-d8	105	87 - 121	06/29/22 07:12	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 10:45
Date Received: 06/23/22 15:45

Sample Name: PW-5_062322
Lab Code: R2205713-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 14:34	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 14:34	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 14:34	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 14:34	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 14:34	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 14:34	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 14:34	
2-Butanone (MEK)	10 U	10	1	06/29/22 14:34	
2-Hexanone	10 U	10	1	06/29/22 14:34	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 14:34	
Acetone	10 U	10	1	06/29/22 14:34	
Benzene	5.0 U	5.0	1	06/29/22 14:34	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 14:34	
Bromoform	5.0 U	5.0	1	06/29/22 14:34	
Bromomethane	5.0 U	5.0	1	06/29/22 14:34	
Carbon Disulfide	10 U	10	1	06/29/22 14:34	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 14:34	
Chlorobenzene	5.0 U	5.0	1	06/29/22 14:34	
Chloroethane	5.0 U	5.0	1	06/29/22 14:34	
Chloroform	5.0 U	5.0	1	06/29/22 14:34	
Chloromethane	5.0 U	5.0	1	06/29/22 14:34	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 14:34	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 14:34	
Methylene Chloride	5.0 U	5.0	1	06/29/22 14:34	
Ethylbenzene	5.0 U	5.0	1	06/29/22 14:34	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 14:34	
Styrene	5.0 U	5.0	1	06/29/22 14:34	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 14:34	
Toluene	5.0 U	5.0	1	06/29/22 14:34	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 14:34	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 14:34	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 14:34	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 14:34	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 14:34	
o-Xylene	5.0 U	5.0	1	06/29/22 14:34	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 14:34	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 14:34	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 10:45
Date Received: 06/23/22 15:45

Sample Name: PW-5_062322
Lab Code: R2205713-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	06/29/22 14:34	
Dibromofluoromethane	104	80 - 116	06/29/22 14:34	
Toluene-d8	105	87 - 121	06/29/22 14:34	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 11:20
Date Received: 06/23/22 15:45

Sample Name: PW-1_062322
Lab Code: R2205713-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 14:56	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 14:56	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 14:56	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 14:56	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 14:56	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 14:56	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 14:56	
2-Butanone (MEK)	10 U	10	1	06/29/22 14:56	
2-Hexanone	10 U	10	1	06/29/22 14:56	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 14:56	
Acetone	10 U	10	1	06/29/22 14:56	
Benzene	5.0 U	5.0	1	06/29/22 14:56	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 14:56	
Bromoform	5.0 U	5.0	1	06/29/22 14:56	
Bromomethane	5.0 U	5.0	1	06/29/22 14:56	
Carbon Disulfide	10 U	10	1	06/29/22 14:56	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 14:56	
Chlorobenzene	5.0 U	5.0	1	06/29/22 14:56	
Chloroethane	5.0 U	5.0	1	06/29/22 14:56	
Chloroform	5.0 U	5.0	1	06/29/22 14:56	
Chloromethane	5.0 U	5.0	1	06/29/22 14:56	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 14:56	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 14:56	
Methylene Chloride	5.0 U	5.0	1	06/29/22 14:56	
Ethylbenzene	5.0 U	5.0	1	06/29/22 14:56	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 14:56	
Styrene	5.0 U	5.0	1	06/29/22 14:56	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 14:56	
Toluene	5.0 U	5.0	1	06/29/22 14:56	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 14:56	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 14:56	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 14:56	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 14:56	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 14:56	
o-Xylene	5.0 U	5.0	1	06/29/22 14:56	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 14:56	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 14:56	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 11:20
Date Received: 06/23/22 15:45

Sample Name: PW-1_062322
Lab Code: R2205713-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	06/29/22 14:56	
Dibromofluoromethane	106	80 - 116	06/29/22 14:56	
Toluene-d8	106	87 - 121	06/29/22 14:56	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 12:10
Date Received: 06/23/22 15:45

Sample Name: MW-8D_062322
Lab Code: R2205713-019

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 15:18	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 15:18	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 15:18	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 15:18	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 15:18	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 15:18	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 15:18	
2-Butanone (MEK)	10 U	10	1	06/29/22 15:18	
2-Hexanone	10 U	10	1	06/29/22 15:18	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 15:18	
Acetone	10 U	10	1	06/29/22 15:18	
Benzene	5.0 U	5.0	1	06/29/22 15:18	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 15:18	
Bromoform	5.0 U	5.0	1	06/29/22 15:18	
Bromomethane	5.0 U	5.0	1	06/29/22 15:18	
Carbon Disulfide	10 U	10	1	06/29/22 15:18	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 15:18	
Chlorobenzene	5.0 U	5.0	1	06/29/22 15:18	
Chloroethane	5.0 U	5.0	1	06/29/22 15:18	
Chloroform	5.0 U	5.0	1	06/29/22 15:18	
Chloromethane	5.0 U	5.0	1	06/29/22 15:18	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 15:18	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 15:18	
Methylene Chloride	5.0 U	5.0	1	06/29/22 15:18	
Ethylbenzene	5.0 U	5.0	1	06/29/22 15:18	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 15:18	
Styrene	5.0 U	5.0	1	06/29/22 15:18	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 15:18	
Toluene	5.0 U	5.0	1	06/29/22 15:18	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 15:18	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 15:18	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 15:18	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 15:18	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 15:18	
o-Xylene	5.0 U	5.0	1	06/29/22 15:18	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 15:18	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 15:18	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 12:10
Date Received: 06/23/22 15:45

Sample Name: MW-8D_062322
Lab Code: R2205713-019

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/29/22 15:18	
Dibromofluoromethane	97	80 - 116	06/29/22 15:18	
Toluene-d8	102	87 - 121	06/29/22 15:18	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 13:05
Date Received: 06/23/22 15:45

Sample Name: MW-15_062322
Lab Code: R2205713-020

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 15:40	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 15:40	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 15:40	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 15:40	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 15:40	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 15:40	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 15:40	
2-Butanone (MEK)	10 U	10	1	06/29/22 15:40	
2-Hexanone	10 U	10	1	06/29/22 15:40	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 15:40	
Acetone	10 U	10	1	06/29/22 15:40	
Benzene	5.0 U	5.0	1	06/29/22 15:40	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 15:40	
Bromoform	5.0 U	5.0	1	06/29/22 15:40	
Bromomethane	5.0 U	5.0	1	06/29/22 15:40	
Carbon Disulfide	10 U	10	1	06/29/22 15:40	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 15:40	
Chlorobenzene	5.0 U	5.0	1	06/29/22 15:40	
Chloroethane	5.0 U	5.0	1	06/29/22 15:40	
Chloroform	5.0 U	5.0	1	06/29/22 15:40	
Chloromethane	5.0 U	5.0	1	06/29/22 15:40	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 15:40	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 15:40	
Methylene Chloride	5.0 U	5.0	1	06/29/22 15:40	
Ethylbenzene	5.0 U	5.0	1	06/29/22 15:40	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 15:40	
Styrene	5.0 U	5.0	1	06/29/22 15:40	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 15:40	
Toluene	5.0 U	5.0	1	06/29/22 15:40	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 15:40	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 15:40	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 15:40	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 15:40	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 15:40	
o-Xylene	5.0 U	5.0	1	06/29/22 15:40	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 15:40	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 15:40	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 13:05
Date Received: 06/23/22 15:45

Sample Name: MW-15_062322
Lab Code: R2205713-020

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	06/29/22 15:40	
Dibromofluoromethane	103	80 - 116	06/29/22 15:40	
Toluene-d8	105	87 - 121	06/29/22 15:40	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 13:40
Date Received: 06/23/22 15:45

Sample Name: MW-5S_062322
Lab Code: R2205713-021

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/29/22 16:02	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/29/22 16:02	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/29/22 16:02	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/29/22 16:02	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/29/22 16:02	
1,2-Dichloroethane	5.0 U	5.0	1	06/29/22 16:02	
1,2-Dichloropropane	5.0 U	5.0	1	06/29/22 16:02	
2-Butanone (MEK)	10 U	10	1	06/29/22 16:02	
2-Hexanone	10 U	10	1	06/29/22 16:02	
4-Methyl-2-pentanone	10 U	10	1	06/29/22 16:02	
Acetone	10 U	10	1	06/29/22 16:02	
Benzene	5.0 U	5.0	1	06/29/22 16:02	
Bromodichloromethane	5.0 U	5.0	1	06/29/22 16:02	
Bromoform	5.0 U	5.0	1	06/29/22 16:02	
Bromomethane	5.0 U	5.0	1	06/29/22 16:02	
Carbon Disulfide	10 U	10	1	06/29/22 16:02	
Carbon Tetrachloride	5.0 U	5.0	1	06/29/22 16:02	
Chlorobenzene	5.0 U	5.0	1	06/29/22 16:02	
Chloroethane	5.0 U	5.0	1	06/29/22 16:02	
Chloroform	5.0 U	5.0	1	06/29/22 16:02	
Chloromethane	5.0 U	5.0	1	06/29/22 16:02	
Dibromochloromethane	5.0 U	5.0	1	06/29/22 16:02	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/29/22 16:02	
Methylene Chloride	5.0 U	5.0	1	06/29/22 16:02	
Ethylbenzene	5.0 U	5.0	1	06/29/22 16:02	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/29/22 16:02	
Styrene	5.0 U	5.0	1	06/29/22 16:02	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/29/22 16:02	
Toluene	5.0 U	5.0	1	06/29/22 16:02	
Trichloroethene (TCE)	5.0 U	5.0	1	06/29/22 16:02	
Vinyl Chloride	5.0 U	5.0	1	06/29/22 16:02	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 16:02	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 16:02	
m,p-Xylenes	5.0 U	5.0	1	06/29/22 16:02	
o-Xylene	5.0 U	5.0	1	06/29/22 16:02	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/29/22 16:02	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/29/22 16:02	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 13:40
Date Received: 06/23/22 15:45

Sample Name: MW-5S_062322
Lab Code: R2205713-021

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	06/29/22 16:02	
Dibromofluoromethane	105	80 - 116	06/29/22 16:02	
Toluene-d8	106	87 - 121	06/29/22 16:02	

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PZ-3_062222

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-002

Level (low/med): LOW Date Received: 6/22/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	83.8			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	159000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	1800			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	55900			P
7439-96-5	Manganese	62.3			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	3060			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	13600			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-17_062222

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-003

Level (low/med): LOW Date Received: 6/22/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	129			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	110000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	27.0			P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	131000			P
7439-96-5	Manganese	71.5			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	4870			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	31000			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	45.4			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-12M_062222

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-004

Level (low/med): LOW Date Received: 6/22/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	380			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	61300			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	230			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	33100			P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	2000	U		P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	18900			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Downstream_062222

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-005

Level (low/med): LOW Date Received: 6/22/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	945			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	76.1			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	91300			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	902			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	33800			P
7439-96-5	Manganese	34.2			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	4010			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	29600			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-13S_062222

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-006

Level (low/med): LOW Date Received: 6/22/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	276			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	158			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	91600			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	222			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	33700			P
7439-96-5	Manganese	32.6			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	2000	U		P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	13900			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PW-10_062222

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-007

Level (low/med): LOW Date Received: 6/22/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	99.1			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	83300			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	36500			P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	2320			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	14500			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-12D_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-009

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	101			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	64.9			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	28100			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	130		J	P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	2840			P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	7460			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	93500			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-12D Dup_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-010

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	63.8			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	27300			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	101		J	P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	2760			P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	7440			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	93400			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-1S_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-011

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	102			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	223			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	88400			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	2230			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	37000			P
7439-96-5	Manganese	97.2			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	2000	U		P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	10800			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-3S_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-012

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	707			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	66.7			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	55700			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	636			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	87100			P
7439-96-5	Manganese	26.7			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	3750			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	23800			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4D_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-013

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1540			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	149			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	274			P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	20500			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	2540			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	6670			P
7439-96-5	Manganese	115			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	2860			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	289000			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLOUDY Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4S_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-014

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	130			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	197			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	189000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	2200			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	52400			P
7439-96-5	Manganese	1260			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	4720			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	15200			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-PZ-2_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-015

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	566			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	238			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	222000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	15900			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	124000			P
7439-96-5	Manganese	620			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5730			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	319000			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-16_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-016

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	34400			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	13.8			P
7440-39-3	Barium	261			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	176000			P
7440-47-3	Chromium	46.0			P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	44.7			P
7439-89-6	Iron	40600			P
7439-92-1	Lead	19.4			P
7439-95-4	Magnesium	60000			P
7439-96-5	Manganese	1050			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	11300			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	8820			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	63.5			P
7440-66-6	Zinc	132			P

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: TAN Clarity After: CLOUDY Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PW-5_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-017

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	134			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	143			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	139000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	228			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	28500			P
7439-96-5	Manganese	16.2			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	6470			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	5030			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PW-1_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-018

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	79.9			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	163000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	153			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	58100			P
7439-96-5	Manganese	3350			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	6820			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	59700			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-8D_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-019

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	276			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	20.7			P
7440-39-3	Barium	133			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	78400			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	4140			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	26700			P
7439-96-5	Manganese	75.1			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	2000	U		P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	64000			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-15_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-020

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	16.4			P
7440-39-3	Barium	688			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	65800			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	7410			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	36600			P
7439-96-5	Manganese	126			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	16500			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	39400			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-5S_062322

Contract: R2205713

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: PZ-3_062222

Matrix (soil/water): WATER Lab Sample ID: R2205713-021

Level (low/med): LOW Date Received: 6/23/2022

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	40.3			P
7440-39-3	Barium	209			P
7440-41-7	Beryllium	3.0	U		P
7440-42-8	Boron	200	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	150000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	31100			P
7439-92-1	Lead	5.0	U		P
7439-95-4	Magnesium	55900			P
7439-96-5	Manganese	719			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	4180			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	90500			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 11:20
Date Received: 06/22/22 16:05

Sample Name: PZ-3_062222
Lab Code: R2205713-002

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	602	mg/L	2.0	1	06/23/22 13:21	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	06/28/22 21:32	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/23/22 09:12	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 18:04	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	2.6	mg/L	1.0	1	06/26/22 00:09	NA	
Chemical Oxygen Demand, Total	410.4	6.6	mg/L	5.0	1	06/28/22 16:10	NA	UJ
Chloride	300.0	6.3	mg/L	2.0	10	06/23/22 12:35	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/22/22 22:34	NA	R
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	06/23/22 08:25	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 16:08	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	627	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/23/22 12:35	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.54	mg/L	0.20	1	07/01/22 12:02	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	6.88	pH Units	-	1	06/23/22 08:25	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/27/22 20:23	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	712	mg/L	10	1	06/24/22 07:46	NA	
Sulfate	300.0	72.3	mg/L	2.0	10	06/23/22 12:35	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 11:55
Date Received: 06/22/22 16:05

Sample Name: MW-17_062222
Lab Code: R2205713-003

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	435	mg/L	2.0	1	06/23/22 14:30	NA	
Ammonia as Nitrogen, undistilled	350.1	0.507	mg/L	0.050	1	06/28/22 21:33	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/23/22 09:13	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 18:36	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.1	mg/L	1.0	1	06/26/22 00:18	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	UJ
Chloride	300.0	291	mg/L	8.0	40	07/01/22 11:35	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/22/22 22:36	NA	R
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	06/23/22 08:25	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 16:12	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	814	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/23/22 12:41	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.90	mg/L	0.20	1	07/01/22 12:04	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.13	pH Units	-	1	06/23/22 08:25	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/27/22 20:43	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	934	mg/L	10	1	06/24/22 07:46	NA	
Sulfate	300.0	71.3	mg/L	2.0	10	06/23/22 12:41	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 12:30
Date Received: 06/22/22 16:05

Sample Name: MW-12M_062222
Lab Code: R2205713-004

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	334	mg/L	2.0	1	06/23/22 14:37	NA	
Ammonia as Nitrogen, undistilled	350.1	0.107	mg/L	0.050	1	06/28/22 21:34	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/23/22 09:14	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 18:43	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.1	mg/L	1.0	1	06/26/22 00:27	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	UJ
Chloride	300.0	2.7	mg/L	2.0	10	06/23/22 12:47	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/22/22 22:37	NA	R
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	06/23/22 08:25	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 16:16	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	289	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/23/22 12:47	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.24	mg/L	0.20	1	07/01/22 12:05	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.94	pH Units	-	1	06/23/22 08:25	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/27/22 20:47	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	333	mg/L	10	1	06/24/22 07:46	NA	
Sulfate	300.0	12.5	mg/L	2.0	10	06/23/22 12:47	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/22/22 12:45
Date Received: 06/22/22 16:05

Sample Name: Downstream_062222
Lab Code: R2205713-005

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	398	mg/L	2.0	1	06/23/22 14:44	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	06/28/22 21:35	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/23/22 08:59	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 18:49	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	3.2	mg/L	1.0	1	06/26/22 00:37	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	UJ
Chloride	300.0	17.0	mg/L	2.0	10	06/23/22 12:53	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/22/22 22:38	NA	R
Color, True	SM 2120 B-2001(2011)	12.0	ColorUnits	1.0	1	06/23/22 08:25	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 16:20	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	367	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/23/22 12:53	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.30	mg/L	0.20	1	07/01/22 12:06	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	8.05	pH Units	-	1	06/23/22 08:25	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/27/22 20:51	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	448	mg/L	10	1	06/24/22 07:46	NA	
Sulfate	300.0	24.0	mg/L	2.0	10	06/23/22 12:53	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-13S_062222
Lab Code: R2205713-006

Service Request: R2205713
Date Collected: 06/22/22 13:05
Date Received: 06/22/22 16:05
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	375	mg/L	2.0	1	06/23/22 14:58	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	06/28/22 21:36	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/23/22 09:18	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 18:55	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	06/26/22 01:21	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	UJ
Chloride	300.0	26.5	mg/L	2.0	10	06/23/22 13:00	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/22/22 22:38	NA	R
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	06/23/22 08:25	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 16:24	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	368	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/23/22 13:00	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.21	mg/L	0.20	1	07/01/22 12:07	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.34	pH Units	-	1	06/23/22 08:25	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/27/22 20:55	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	411	mg/L	10	1	06/24/22 07:46	NA	
Sulfate	300.0	5.2	mg/L	2.0	10	06/23/22 13:00	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: PW-10_062222
Lab Code: R2205713-007

Service Request: R2205713
Date Collected: 06/22/22 13:50
Date Received: 06/22/22 16:05
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	381	mg/L	2.0	1	06/23/22 15:06	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	06/28/22 21:37	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/23/22 09:17	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 19:02	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	2.1	mg/L	1.0	1	06/26/22 01:30	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	UJ
Chloride	300.0	11.1	mg/L	2.0	10	06/23/22 13:31	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/22/22 22:39	NA	R
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	06/23/22 08:25	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 16:28	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	358	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/23/22 13:31	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	07/01/22 12:08	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.35	pH Units	-	1	06/23/22 08:25	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/27/22 20:59	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	383	mg/L	10	1	06/24/22 07:46	NA	
Sulfate	300.0	5.9	mg/L	2.0	10	06/23/22 13:31	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45

Sample Name: MW-12D_062322
Lab Code: R2205713-009

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	284	mg/L	2.0	1	06/27/22 09:46	NA	
Ammonia as Nitrogen, undistilled	350.1	5.70	mg/L	0.50	10	06/28/22 22:08	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.1	mg/L	2.0	1	06/24/22 08:57	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:09	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	7.7	mg/L	1.0	1	06/29/22 16:31	NA	
Chemical Oxygen Demand, Total	410.4	20.5	mg/L	5.0	1	06/28/22 16:10	NA	J-
Chloride	300.0	10.5	mg/L	2.0	10	06/24/22 08:09	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:23	NA	
Color, True	SM 2120 B-2001(2011)	11.0	ColorUnits	1.0	1	06/24/22 09:15	NA	J
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 16:32	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	82.0	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:09	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	6.16	mg/L	0.20	1	07/01/22 12:09	06/30/22	J+
pH of Color Analysis	SM 2120 B-2001(2011)	6.56	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0057	mg/L	0.0050	1	06/27/22 21:07	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	369	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	06/24/22 08:09	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-12D Dup_062322
Lab Code: R2205713-010

Service Request: R2205713
Date Collected: 06/23/22 08:55
Date Received: 06/23/22 15:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	282	mg/L	2.0	1	06/27/22 09:57	NA	
Ammonia as Nitrogen, undistilled	350.1	5.74	mg/L	0.50	10	06/28/22 22:09	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/24/22 09:03	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:15	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	7.1	mg/L	1.0	1	06/29/22 16:41	NA	
Chemical Oxygen Demand, Total	410.4	16.9	mg/L	5.0	1	06/28/22 16:10	NA	J-
Chloride	300.0	10.3	mg/L	2.0	10	06/24/22 08:15	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:25	NA	
Color, True	SM 2120 B-2001(2011)	12.0	ColorUnits	1.0	1	06/24/22 09:15	NA	J
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 16:36	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	79.6	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:15	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	5.94	mg/L	0.20	1	07/01/22 12:10	06/30/22	J+
pH of Color Analysis	SM 2120 B-2001(2011)	6.93	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0058	mg/L	0.0050	1	06/27/22 21:11	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	307	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	06/24/22 08:15	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 09:40
Date Received: 06/23/22 15:45

Sample Name: MW-1S_062322
Lab Code: R2205713-011

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	362	mg/L	2.0	1	06/27/22 10:05	NA	
Ammonia as Nitrogen, undistilled	350.1	0.229	mg/L	0.050	1	06/28/22 21:44	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/24/22 08:58	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:21	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	06/29/22 16:51	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	UJ
Chloride	300.0	5.6	mg/L	2.0	10	06/24/22 08:21	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:25	NA	
Color, True	SM 2120 B-2001(2011)	3.0	ColorUnits	1.0	1	06/24/22 09:15	NA	J
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 16:56	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	373	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:21	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.47	mg/L	0.20	1	07/01/22 13:12	06/30/22	J+
pH of Color Analysis	SM 2120 B-2001(2011)	7.33	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/27/22 21:15	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	421	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	47.5	mg/L	2.0	10	06/24/22 08:21	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 10:10
Date Received: 06/23/22 15:45

Sample Name: MW-3S_062322
Lab Code: R2205713-012

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	496	mg/L	2.0	1	06/27/22 10:13	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	06/28/22 21:45	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/24/22 08:49	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:27	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	06/29/22 17:00	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	UJ
Chloride	300.0	4.6	mg/L	2.0	10	06/24/22 08:27	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:26	NA	
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	06/24/22 09:15	NA	J
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 17:00	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	498	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:27	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	07/01/22 13:12	06/30/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.47	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/27/22 21:20	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	530	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	52.4	mg/L	2.0	10	06/24/22 08:27	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 10:30
Date Received: 06/23/22 15:45

Sample Name: MW-4D_062322
Lab Code: R2205713-013

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	741	mg/L	2.0	1	06/27/22 10:24	NA	
Ammonia as Nitrogen, undistilled	350.1	2.20	mg/L	0.25	5	06/28/22 22:11	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	20.3	mg/L	2.0	1	06/24/22 08:48	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:34	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	19.7	mg/L	1.0	1	06/29/22 17:11	NA	
Chemical Oxygen Demand, Total	410.4	44.7	mg/L	5.0	1	06/28/22 16:10	NA	J-
Chloride	300.0	3.2	mg/L	2.0	10	06/24/22 08:34	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:27	NA	
Color, True	SM 2120 B-2001(2011)	35.0	ColorUnits	1.0	1	06/24/22 09:15	NA	J
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 17:04	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	78.5	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:34	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	3.52	mg/L	0.20	1	07/01/22 13:13	06/30/22	J+
pH of Color Analysis	SM 2120 B-2001(2011)	7.76	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/05/22 15:43	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	820	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	06/24/22 08:34	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: MW-4S_062322
Lab Code: R2205713-014

Service Request: R2205713
Date Collected: 06/23/22 11:05
Date Received: 06/23/22 15:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	585	mg/L	2.0	1	06/27/22 10:34	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	06/28/22 21:47	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/24/22 08:49	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:40	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	3.6	mg/L	1.0	1	06/29/22 17:21	NA	
Chemical Oxygen Demand, Total	410.4	6.3	mg/L	5.0	1	06/28/22 16:10	NA	J-
Chloride	300.0	7.3	mg/L	2.0	10	06/24/22 08:40	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:28	NA	
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	06/24/22 09:15	NA	J
Cyanide, Total	Kelada-01	0.0153	mg/L	0.0050	1	07/01/22 17:08	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	689	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	7.5	mg/L	1.0	10	06/24/22 08:40	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.73	mg/L	0.20	1	07/01/22 13:14	06/30/22	J+
pH of Color Analysis	SM 2120 B-2001(2011)	6.84	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/05/22 15:47	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	824	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	125	mg/L	8.0	40	07/01/22 11:41	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 11:35
Date Received: 06/23/22 15:45

Sample Name: MW-PZ-2_062322
Lab Code: R2205713-015

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	966	mg/L	6.0	3	06/28/22 11:52	NA	
Ammonia as Nitrogen, undistilled	350.1	2.73	mg/L	0.25	5	06/28/22 22:12	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/24/22 08:52	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:46	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	5.4	mg/L	1.0	1	06/29/22 17:31	NA	
Chemical Oxygen Demand, Total	410.4	14.5	mg/L	5.0	1	06/28/22 16:10	NA	J-
Chloride	300.0	437	mg/L	10	50	07/01/22 11:47	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:28	NA	
Color, True	SM 2120 B-2001(2011)	3.0	ColorUnits	1.0	1	06/24/22 09:15	NA	J
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 17:12	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1070	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:46	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	3.39	mg/L	0.20	1	07/01/22 13:15	06/30/22	J+
pH of Color Analysis	SM 2120 B-2001(2011)	6.84	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/05/22 15:51	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	1950	mg/L	20	1	06/27/22 09:15	NA	
Sulfate	300.0	207	mg/L	10	50	07/01/22 11:47	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 12:00
Date Received: 06/23/22 15:45

Sample Name: MW-16_062322
Lab Code: R2205713-016

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	364	mg/L	2.0	1	06/27/22 15:12	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	06/28/22 21:49	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/24/22 08:53	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 19:08	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.5	mg/L	1.0	1	06/29/22 17:40	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	UJ
Chloride	300.0	4.2	mg/L	2.0	10	06/24/22 08:52	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:30	NA	
Color, True	SM 2120 B-2001(2011)	2.0	ColorUnits	1.0	1	06/24/22 09:15	NA	J
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 17:16	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	686	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 08:52	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.54	mg/L	0.20	1	07/01/22 13:16	06/30/22	J+
pH of Color Analysis	SM 2120 B-2001(2011)	7.38	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/05/22 16:11	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	401	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	16.1	mg/L	2.0	10	06/24/22 08:52	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: PW-5_062322
Lab Code: R2205713-017

Service Request: R2205713
Date Collected: 06/23/22 10:45
Date Received: 06/23/22 15:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	499	mg/L	2.0	1	06/27/22 15:28	NA	
Ammonia as Nitrogen, undistilled	350.1	0.846	mg/L	0.050	1	06/28/22 21:38	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/24/22 08:51	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 19:52	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	2.0	mg/L	1.0	1	06/29/22 18:45	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/28/22 16:10	NA	UJ
Chloride	300.0	2.4	mg/L	2.0	10	06/24/22 09:24	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:31	NA	
Color, True	SM 2120 B-2001(2011)	2.0	ColorUnits	1.0	1	06/24/22 09:15	NA	J
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 17:28	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	465	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 09:24	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	1.40	mg/L	0.20	1	07/01/22 13:20	06/30/22	J+
pH of Color Analysis	SM 2120 B-2001(2011)	7.36	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/05/22 16:23	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	504	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	6.6	mg/L	2.0	10	06/24/22 09:24	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water
Sample Name: PW-1_062322
Lab Code: R2205713-018

Service Request: R2205713
Date Collected: 06/23/22 11:20
Date Received: 06/23/22 15:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	693	mg/L	2.0	1	06/27/22 15:38	NA	
Ammonia as Nitrogen, undistilled	350.1	4.79	mg/L	0.25	5	07/01/22 22:22	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/24/22 08:50	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 19:27	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	8.8	mg/L	1.0	1	06/29/22 18:55	NA	
Chemical Oxygen Demand, Total	410.4	21.4	mg/L	5.0	1	06/28/22 16:10	NA	J-
Chloride	300.0	106	mg/L	8.0	40	07/01/22 11:54	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:32	NA	
Color, True	SM 2120 B-2001(2011)	5.0	ColorUnits	1.0	1	06/24/22 09:15	NA	J
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 17:32	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	647	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 09:30	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	5.38	mg/L	0.20	1	07/01/22 13:21	06/30/22	J+
pH of Color Analysis	SM 2120 B-2001(2011)	6.76	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/05/22 16:27	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	839	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	2.5	mg/L	2.0	10	06/24/22 09:30	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 12:10
Date Received: 06/23/22 15:45

Sample Name: MW-8D_062322
Lab Code: R2205713-019

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	434	mg/L	2.0	1	06/27/22 15:45	NA	
Ammonia as Nitrogen, undistilled	350.1	3.71	mg/L	0.25	5	07/01/22 22:23	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	6.6	mg/L	2.0	1	06/24/22 08:50	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 19:58	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	5.6	mg/L	1.0	1	06/29/22 19:05	NA	
Chemical Oxygen Demand, Total	410.4	13.0	mg/L	5.0	1	06/28/22 16:10	NA	J-
Chloride	300.0	33.6	mg/L	2.0	10	06/24/22 09:36	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:33	NA	
Color, True	SM 2120 B-2001(2011)	15.0	ColorUnits	1.0	1	06/24/22 09:15	NA	J
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 17:52	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	305	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 09:36	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	3.99	mg/L	0.20	1	07/01/22 13:22	06/30/22	J+
pH of Color Analysis	SM 2120 B-2001(2011)	7.39	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/05/22 16:31	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	490	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	06/24/22 09:36	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 13:05
Date Received: 06/23/22 15:45

Sample Name: MW-15_062322
Lab Code: R2205713-020

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	479	mg/L	4.0	2	06/27/22 15:52	NA	
Ammonia as Nitrogen, undistilled	350.1	16.5	mg/L	1.0	20	07/01/22 22:24	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/24/22 08:59	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 20:04	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	8.2	mg/L	1.0	1	06/29/22 19:18	NA	
Chemical Oxygen Demand, Total	410.4	7.9	mg/L	5.0	1	06/28/22 16:10	NA	J-
Chloride	300.0	18.3	mg/L	2.0	10	06/24/22 09:43	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:34	NA	
Color, True	SM 2120 B-2001(2011)	4.0	ColorUnits	1.0	1	06/24/22 09:15	NA	J
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 17:56	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	315	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 09:43	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	15.7	mg/L	1.0	5	07/01/22 13:36	06/30/22	J+
pH of Color Analysis	SM 2120 B-2001(2011)	6.98	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/05/22 16:35	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	443	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	06/24/22 09:43	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22 13:40
Date Received: 06/23/22 15:45

Sample Name: MW-5S_062322
Lab Code: R2205713-021

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	770	mg/L	10	5	06/27/22 15:59	NA	
Ammonia as Nitrogen, undistilled	350.1	3.36	mg/L	0.25	5	07/01/22 22:25	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	8.9	mg/L	2.0	1	06/24/22 08:48	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/28/22 20:10	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	30.7	mg/L	1.0	1	06/29/22 19:29	NA	
Chemical Oxygen Demand, Total	410.4	73.5	mg/L	5.0	1	06/28/22 16:10	NA	J-
Chloride	300.0	52.7	mg/L	2.0	10	06/24/22 09:49	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/23/22 20:34	NA	
Color, True	SM 2120 B-2001(2011)	25.0	ColorUnits	1.0	1	06/24/22 09:15	NA	J
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 18:00	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	605	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/22 09:49	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	4.56	mg/L	0.20	1	07/01/22 13:24	06/30/22	J+
pH of Color Analysis	SM 2120 B-2001(2011)	6.94	pH Units	-	1	06/24/22 09:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/05/22 16:39	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	866	mg/L	10	1	06/27/22 09:15	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	06/24/22 09:49	NA	

VOC Data Section



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of Method 8260C Volatiles
Data for ALS Group USA, Corp.
Service Request: R2205713**

**17 Ground Water Samples, 1 Field Duplicate,
1 Surface Water Sample, and 2 Trip Blanks
Collected June 22-23, 2022**

Prepared by: Donald Anné
April 5, 2023

Holding Times: Samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for applicable compounds were above the method minimums, as required.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for applicable compounds were above the method minimums and the %Ds were below the method maximum, as required.

The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %D for acetone was above the allowable maximum (20%) on 06-28-22 (B4058.D). The %D for carbon disulfide was above the allowable maximum (20%) on 06-29-22 (B4089.D). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water and surface water samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-16_062322.

Laboratory Control Sample: The percent recoveries (%Rs) for target compounds were within QC limits for aqueous sample RQ2207352-03.

The relative percent differences for target compounds were below the allowable maximum, but 1 of 2 %Rs for 1,1-dichloroethane, 1,1-dichloroethene, cis-1,3-dichloropropene, and trans-1,2-dichloroethene were above QC limits for aqueous samples RQ2207428-03 and RQ2207428-04. Positive results for these compounds should be considered estimated, biased high (J+) in associated aqueous samples.

Field Duplicates: The relative percent difference for acetone was below the allowable maximum (20%) for aqueous field duplicate pair MW-12D_062322/MW-12D Dup_062322 (attached table), as required.

Compound ID: Checked surrogate and compound results were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Analyzed: 06/29/22

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Analyte Name	Lab Control Sample RQ2207428-03				Duplicate Lab Control Sample RQ2207428-04				RPD	RPD Limit
	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
1,1,1-Trichloroethane (TCA)	8260C	23.6	20.0	118	19.7	20.0	99	75-125	18	30
1,1,2,2-Tetrachloroethane	8260C	20.8	20.0	104	19.5	20.0	97	78-126	7	30
1,1,2-Trichloroethane	8260C	22.5	20.0	112	20.8	20.0	104	82-121	8	30
1,1-Dichloroethane (1,1-DCA)	8260C	24.9	20.0	125 *	22.1	20.0	110	80-124	12	30
1,1-Dichloroethene (1,1-DCE)	8260C	23.7	20.0	119 *	21.0	20.0	105	71-118	12	30
1,2-Dichloroethane	8260C	23.4	20.0	117	21.9	20.0	110	71-127	6	30
1,2-Dichloropropane	8260C	23.2	20.0	116	21.1	20.0	105	80-119	10	30
2-Butanone (MEK)	8260C	22.6	20.0	113	21.6	20.0	108	61-137	5	30
2-Hexanone	8260C	23.0	20.0	115	22.2	20.0	111	63-124	3	30
4-Methyl-2-pentanone	8260C	22.5	20.0	113	22.9	20.0	114	66-124	1	30
Acetone	8260C	22.2	20.0	111	23.5	20.0	118	40-161	6	30
Benzene	8260C	22.8	20.0	114	20.7	20.0	104	79-119	10	30
Bromodichloromethane	8260C	23.1	20.0	115	21.8	20.0	109	81-123	6	30
Bromoform	8260C	23.9	20.0	119	22.1	20.0	111	65-146	8	30
Bromomethane	8260C	24.2	20.0	121	22.5	20.0	112	42-166	7	30
Carbon Disulfide	8260C	24.8	20.0	124	24.2	20.0	121	66-128	2	30
Carbon Tetrachloride	8260C	23.3	20.0	116	20.1	20.0	100	70-127	15	30
Chlorobenzene	8260C	21.5	20.0	108	19.5	20.0	97	80-121	10	30
Chloroethane	8260C	21.5	20.0	107	18.7	20.0	94	62-131	14	30
Chloroform	8260C	23.5	20.0	117	21.8	20.0	109	79-120	7	30
Chloromethane	8260C	23.8	20.0	119	20.5	20.0	102	65-135	15	30
Dibromochloromethane	8260C	23.0	20.0	115	20.8	20.0	104	72-128	10	30
Dichlorodifluoromethane (CFC 12)	8260C	19.4	20.0	97	16.2	20.0	81	59-155	18	30
Methylene Chloride	8260C	23.6	20.0	118	21.7	20.0	108	73-122	8	30
Ethylbenzene	8260C	21.7	20.0	109	19.8	20.0	99	76-120	9	30
Methyl tert-Butyl Ether	8260C	22.4	20.0	112	20.7	20.0	103	75-118	8	30
Styrene	8260C	23.1	20.0	116	21.0	20.0	105	80-124	10	30
Tetrachloroethene (PCE)	8260C	21.9	20.0	110	18.8	20.0	94	72-125	16	30
Toluene	8260C	22.6	20.0	113	20.1	20.0	101	79-119	11	30
Trichloroethene (TCE)	8260C	22.1	20.0	110	19.9	20.0	99	74-122	11	30
Vinyl Chloride	8260C	20.2	20.0	101	18.0	20.0	90	74-159	12	30
cis-1,2-Dichloroethene	8260C	23.0	20.0	115	20.5	20.0	103	80-121	11	30
cis-1,3-Dichloropropene	8260C	25.4	20.0	127 *	23.1	20.0	116	77-122	9	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Analyzed: 06/29/22

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Analyte Name	Lab Control Sample RQ2207428-03				Duplicate Lab Control Sample RQ2207428-04				RPD	RPD Limit
	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
m,p-Xylenes	8260C	46.4	40.0	116	41.4	40.0	104	80-126	11	30
o-Xylene	8260C	22.3	20.0	112	19.9	20.0	100	79-123	11	30
trans-1,2-Dichloroethene	8260C	24.3	20.0	122*	21.4	20.0	107	73-118	13	30
trans-1,3-Dichloropropene	8260C	25.4	20.0	127	23.7	20.0	119	71-133	7	30

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713
Date Analyzed: 06/28/22 22:28

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUADATA\msvov10\data\062822\B4058.D\
Signal ID: 1

Calibration Date: 6/14/2022
Calibration ID: RC2200059
Analysis Lot: 768839
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	46.2	0.4913	0.4536	-7.7	NA	±20	Average RF
1,1,2,2-Tetrachloroethane	50.0	49.5	0.7509	0.743	-1.0	NA	±20	Average RF
1,1,2-Trichloroethane	50.0	52.6	0.2437	0.2561	5.1	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	49.6	0.7333	0.7269	-0.9	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	44.9	0.3283	0.295	-10.2	NA	±20	Average RF
1,2-Dichloroethane	50.0	53.5	0.4314	0.462	7.1	NA	±20	Average RF
1,2-Dichloropropane	50.0	52.9	0.2873	0.304	5.8	NA	±20	Average RF
2-Butanone (MEK)	50.0	52.3	0.3804	0.3978	4.6	NA	±20	Average RF
2-Hexanone	50.0	57.0	0.3796	0.4331	14.1	NA	±20	Average RF
4-Methyl-2-pentanone	50.0	56.3	0.4681	0.527	12.6	NA	±20	Average RF
Acetone	50.0	60.6	0.2344	0.2843	21.3*	NA	±20	Average RF
Benzene	50.0	49.7	1.0148	1.009	-0.6	NA	±20	Average RF
Bromodichloromethane	50.0	53.6	0.3169	0.3397	7.2	NA	±20	Average RF
Bromoform	50.0	53.5	0.1675	0.1794	NA	7.1	±20	Quadratic
Bromomethane	50.0	50.2	0.3011	0.2663	NA	0.4	±20	Quadratic
Carbon Disulfide	50.0	51.7	0.8898	0.9194	3.3	NA	±20	Average RF
Carbon Tetrachloride	50.0	46.8	0.2471	0.2315	-6.3	NA	±20	Average RF
Chlorobenzene	50.0	48.9	0.7971	0.7796	-2.2	NA	±20	Average RF
Chloroethane	50.0	46.8	0.3385	0.3168	-6.4	NA	±20	Average RF
Chloroform	50.0	49.1	0.68	0.6676	-1.8	NA	±20	Average RF
Chloromethane	50.0	48.4	0.6033	0.5844	-3.1	NA	±20	Average RF
Dibromochloromethane	50.0	53.9	0.2624	0.2827	7.7	NA	±20	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	43.7	0.4708	0.4117	-12.6	NA	±20	Average RF
Methylene Chloride	50.0	49.8	0.3955	0.394	-0.4	NA	±20	Average RF
Ethylbenzene	50.0	47.3	0.4149	0.3921	-5.5	NA	±20	Average RF
Methyl tert-Butyl Ether	50.0	50.6	1.1824	1.1954	1.1	NA	±20	Average RF
Styrene	50.0	51.9	0.8371	0.8683	3.7	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	44.8	0.2358	0.2113	-10.4	NA	±20	Average RF
Toluene	50.0	49.8	1.0707	1.0669	-0.4	NA	±20	Average RF
Trichloroethene (TCE)	50.0	49.3	0.265	0.2612	-1.5	NA	±20	Average RF
Vinyl Chloride	50.0	49.4	0.5639	0.5571	-1.2	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	50.3	0.4064	0.4087	0.5	NA	±20	Average RF
cis-1,3-Dichloropropene	50.0	52.7	0.335	0.3545	NA	5.5	±20	Quadratic
m,p-Xylenes	100	100	0.5005	0.5016	0.2	NA	±20	Average RF
o-Xylene	50.0	48.2	0.5128	0.4939	-3.7	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	48.0	0.3504	0.3366	-3.9	NA	±20	Average RF
trans-1,3-Dichloropropene	50.0	52.2	0.2638	0.2797	NA	4.3	±20	Quadratic

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713
Date Analyzed: 06/28/22 22:28

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUADATA\msvoa10\data\062822\B4058.D\
Signal ID: 1

Calibration Date: 6/14/2022
Calibration ID: RC2200059
Analysis Lot: 768839
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	52.4	0.3767	0.3951	4.9	NA	±20	Average RF
Dibromofluoromethane	50.0	51.1	0.2548	0.2607	2.3	NA	±20	Average RF
Toluene-d8	50.0	52.4	0.9933	1.0414	4.8	NA	±20	Average RF

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713
Date Analyzed: 06/29/22 10:27

**Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS**

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvov10\data\062922\B4089.D\
Signal ID: 1

Calibration Date: 6/14/2022
Calibration ID: RC2200059
Analysis Lot: 769053
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.3	0.4913	0.4844	-1.4	NA	±20	Average RF
1,1,2,2-Tetrachloroethane	50.0	51.0	0.7509	0.7663	2.1	NA	±20	Average RF
1,1,2-Trichloroethane	50.0	53.6	0.2437	0.2613	7.2	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	53.4	0.7333	0.7832	6.8	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	50.5	0.3283	0.3313	0.9	NA	±20	Average RF
1,2-Dichloroethane	50.0	53.8	0.4314	0.4645	7.7	NA	±20	Average RF
1,2-Dichloropropane	50.0	51.2	0.2873	0.2942	2.4	NA	±20	Average RF
2-Butanone (MEK)	50.0	56.0	0.3804	0.426	12.0	NA	±20	Average RF
2-Hexanone	50.0	54.1	0.3796	0.4104	8.1	NA	±20	Average RF
4-Methyl-2-pentanone	50.0	54.6	0.4681	0.5108	9.1	NA	±20	Average RF
Acetone	50.0	55.5	0.2344	0.2601	11.0	NA	±20	Average RF
Benzene	50.0	50.8	1.0148	1.031	1.6	NA	±20	Average RF
Bromodichloromethane	50.0	53.6	0.3169	0.3399	7.3	NA	±20	Average RF
Bromoform	50.0	53.0	0.1675	0.1774	NA	6.0	±20	Quadratic
Bromomethane	50.0	52.4	0.3011	0.2773	NA	4.9	±20	Quadratic
Carbon Disulfide	50.0	62.5	0.8898	1.1124	25.0*	NA	±20	Average RF
Carbon Tetrachloride	50.0	47.6	0.2471	0.2353	-4.8	NA	±20	Average RF
Chlorobenzene	50.0	49.6	0.7971	0.7909	-0.8	NA	±20	Average RF
Chloroethane	50.0	54.5	0.3385	0.3687	8.9	NA	±20	Average RF
Chloroform	50.0	52.4	0.68	0.7125	4.8	NA	±20	Average RF
Chloromethane	50.0	52.7	0.6033	0.6364	5.5	NA	±20	Average RF
Dibromochloromethane	50.0	53.7	0.2624	0.2821	7.5	NA	±20	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	52.0	0.4708	0.4896	4.0	NA	±20	Average RF
Methylene Chloride	50.0	53.8	0.3955	0.4253	7.5	NA	±20	Average RF
Ethylbenzene	50.0	49.5	0.4149	0.4109	-1.0	NA	±20	Average RF
Methyl tert-Butyl Ether	50.0	51.7	1.1824	1.2235	3.5	NA	±20	Average RF
Styrene	50.0	51.3	0.8371	0.8585	2.6	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	47.4	0.2358	0.2236	-5.1	NA	±20	Average RF
Toluene	50.0	50.3	1.0707	1.0772	0.6	NA	±20	Average RF
Trichloroethene (TCE)	50.0	48.8	0.265	0.2586	-2.4	NA	±20	Average RF
Vinyl Chloride	50.0	55.2	0.5639	0.6231	10.5	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	52.8	0.4064	0.429	5.5	NA	±20	Average RF
cis-1,3-Dichloropropene	50.0	53.4	0.335	0.3598	NA	6.9	±20	Quadratic
m,p-Xylenes	100	102	0.5005	0.5105	2.0	NA	±20	Average RF
o-Xylene	50.0	49.2	0.5128	0.5048	-1.6	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	53.1	0.3504	0.3719	6.1	NA	±20	Average RF
trans-1,3-Dichloropropene	50.0	52.7	0.2638	0.2829	NA	5.3	±20	Quadratic

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline

Service Request: R2205713
Date Analyzed: 06/29/22 10:27

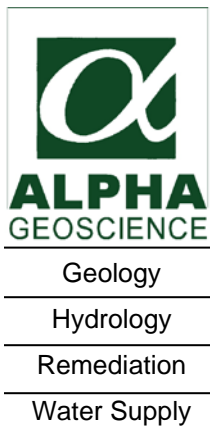
Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUADATA\msvoa10\data\062922\B4089.D\
Signal ID: 1

Calibration Date: 6/14/2022
Calibration ID: RC2200059
Analysis Lot: 769053
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	53.4	0.3767	0.4024	6.8	NA	±20	Average RF
Dibromofluoromethane	50.0	54.2	0.2548	0.2763	8.4	NA	±20	Average RF
Toluene-d8	50.0	53.2	0.9933	1.0577	6.5	NA	±20	Average RF

Metals Data Section



**QA/QC Review of Baseline Metals
Data for ALS Group USA, Corp.
Service Request: R2205713**

**17 Ground Water Samples, 1 Field Duplicate,
and 1 Surface Water Sample
Collected June 22-23, 2022**

Prepared by: Donald Anné
April 5, 2023

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg).

CRDL Standard: The percent recoveries for target metals were within QC limits (70-130%) for CRDL standards.

Blanks: The analyses of initial and continuing calibration, and method blanks reported target metals as below the reporting limits or not detected, as required.

ICP Interference Check Sample: The percent recoveries for applicable metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for applicable were within control limits (75-125%) for the aqueous MS/MSD sample MW-16_062322.

Laboratory Duplicates: The relative percent differences for applicable target metals were below the allowable maximum (20%) for aqueous MS/MSD sample MW-16_062322, as required.

Field Duplicates: The relative percent difference for iron was above the allowable maximum (20%) for aqueous field duplicate pair MW-12D_062322/MW-12D Dup_062322 (attached table). Positive results for iron should be considered estimated (J) in samples MW-12D_062322 and MW-12D Dup_062322.

Laboratory Control Sample: The percent recoveries for target metals were within control limits (80-120%) for aqueous laboratory control samples.

ICP Serial Dilution: The %Ds for applicable metals were below the allowable maximum (10%) for aqueous serial dilution sample MW-16_062322, as required.

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General Chemistry

Data Section



**QA/QC Review of General Chemistries*
Parameters for ALS Group USA, Corp.
Service Request: R2205713**

**17 Ground Water Samples, 1 Field Duplicate,
and 1 Surface Water Sample
Collected June 22-23, 2022**

Prepared by: Donald Anné
April 5, 2023

Geology
Hydrology
Remediation
Water Supply

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for applicable target analytes were within laboratory QC limits (85-115% for total recoverable phenolics and TOC, for all applicable analytes 90-110%).

Blanks: The analyses of initial and continuing calibration blanks reported baseline analytes as not detected.

Spike Sample Recovery: One of two percent recoveries (%Rs) for chemical oxygen demand (COD) were below laboratory QC limits, but not below 30% for aqueous MS/MSD samples MW-13S_062222 and MW-16_062322. Positive results for COD should be considered estimated, biased low (J-) and “not detected” results estimated (UJ) in associated aqueous samples.

One of two %Rs for total kjeldahl nitrogen (TKN) was above laboratory QC limits for aqueous MS/MSD sample MW-16_062322. One of two %Rs for bromide was above laboratory QC limits for aqueous MS/MSD sample PZ-3_062222. Positive results for TKN and bromide should be considered estimated, biased high (J+) in associated aqueous samples.

Two of two %Rs for hexavalent chromium (Cr6+) were below laboratory QC limits and below 30% for aqueous MS/MSD sample PZ-3_062222. Positive results for hexavalent chromium should be considered estimated, biased low (J-) and “not detected” results rejected, unusable (R) in associated aqueous samples.

Duplicates: The relative percent difference for color was above the allowable maximum (20%) for aqueous duplicate sample MW-16_062322. Positive results for color should be considered estimated (J) in associated aqueous samples.

Field Duplicates: The relative percent differences for applicable analytes were below the allowable maximum (20%) for aqueous field duplicate pair MW-12D_062322/MW-12D Dup_062322 (attached table), as required.

Laboratory Control Sample: The percent recoveries for applicable target analytes were within laboratory QC limits for aqueous samples R2205713-LCS1, R2205713-LCS2, and R2205713-LCS3, R2205713-LCS4 and R2205713-LCS5.

- * Classical chemistry analytes include alkalinity, ammonia, bio-chemical oxygen demand (BOD₅), bromide, chemical oxygen demand (COD), chloride, color, cyanide, hexavalent chromium, hardness, nitrate, sulfate, total dissolved solids (TDS), total kjeldahl nitrogen (TKN), total organic carbon (TOC), total hardness, and total recoverable phenolics.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request:R2205713
Date Collected:06/22/22
Date Received:06/22/22
Date Analyzed:06/22/22 - 06/28/22

**Duplicate Matrix Spike Summary
General Chemistry Parameters**

Sample Name: PZ-3_062222 **Units:**mg/L
Lab Code: R2205713-002 **Basis:**NA

Analyte Name	Method	Sample Result	Result	Matrix Spike R2205713-002MS		Duplicate Matrix Spike R2205713-002DMS		% Rec Limits	RPD	RPD Limit
				Spike Amount	% Rec	Result	Spike Amount			
Bromide	300.0	1.0 U	11.3	10.0	113*	10.2	10.0	102	9	20
Chromium, Hexavalent	7196A	0.010 U	0.010 U	0.100	0*	0.010 U	0.100	0*	NC	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request:R2205713
Date Collected:06/22/22
Date Received:06/22/22
Date Analyzed:06/23/22 - 06/28/22

**Duplicate Matrix Spike Summary
General Chemistry Parameters**

Sample Name: MW-13S_062222
Lab Code: R2205713-006

Units:mg/L
Basis:NA

Matrix Spike
R2205713-006MS

Duplicate Matrix Spike
R2205713-006DMS

Analyte Name	Method	Sample Result	Result	Spike		Spike		% Rec	% Rec Limits	RPD	RPD Limit
				Amount	% Rec	Amount	% Rec				
Chloride	300.0	26.5	45.5	20.0	95	44.7	20.0	91	90-110	2	20
Chemical Oxygen Demand, Total	410.4	5.0 U	23.7	25.0	95	22.0	25.0	88*	90-110	8	20
Nitrate as Nitrogen	300.0	1.0 U	9.8	10.0	98	9.6	10.0	96	90-110	2	20
Sulfate	300.0	5.2	25.0	20.0	99	24.6	20.0	97	90-110	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22
Date Received: 06/23/22
Date Analyzed: 06/23/22 - 07/05/22

**Duplicate Matrix Spike Summary
General Chemistry Parameters**

Sample Name: MW-16_062322
Lab Code: R2205713-016

Units: mg/L
Basis: NA

Matrix Spike
R2205713-016MS

Duplicate Matrix Spike
R2205713-016DMS

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Ammonia as Nitrogen, undistilled	350.1	0.050 U	0.240	0.250	96	0.245	0.250	98	90-110	2	20
Bromide	300.0	1.0 U	10.3	10.0	103	10.3	10.0	103	90-110	<1	20
Chloride	300.0	4.2	23.1	20.0	94	23.4	20.0	96	90-110	2	20
Cyanide, Total	Kelada-01	0.0050 U	0.0960	0.100	96	0.0979	0.100	98	90-110	2	20
Chemical Oxygen Demand, Total	410.4	5.0 U	24.3	25.0	97	22.0	25.0	88*	90-110	10	20
Chromium, Hexavalent	7196A	0.010 U	0.105	0.100	105	0.103	0.100	103	85-115	2	20
Nitrate as Nitrogen	300.0	1.0 U	10.3	10.0	103	10.5	10.0	105	90-110	2	20
Phenolics, Total Recoverable	9066	0.0050 U	0.0384	0.0400	96	0.0392	0.0400	98	49-137	2	20
Sulfate	300.0	16.1	35.2	20.0	96	35.7	20.0	98	90-110	2	20
Nitrogen, Total Kjeldahl (TKN)	351.2	0.54	3.18	2.50	106	3.74	2.50	128*	90-110	16	20
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.5	25.4	25.0	95	25.8	25.0	97	48-135	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/360 Baseline
Sample Matrix: Water

Service Request: R2205713
Date Collected: 06/23/22
Date Received: 06/23/22
Date Analyzed: 06/24/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-16_062322
Lab Code: R2205713-016

Units: ColorUnits
Basis: NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2205713-016DUP Result	Average	RPD	RPD Limit
Color, True	SM 2120 B-2001(2011)	1.0	2.0	3.0	2.50	40#	5

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Field Duplicate Calculation Section

Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. R2205713

S1= MW-12D_062322

S2= MW-12D Dup_062322

<u>Analyte</u>	<u>S1</u>	<u>S2</u>	<u>RPD (%)</u>
Acetone	11	11	0%

* RPD is above the allowable maximum 20%.

Results are in units of ug/L.

Bold numbers were values that are below the CRQL or above the high standard.

ND - Not detected.

NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

General Chemistries

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. R2205713

S1= MW-12D_062322

S2= MW-12D Dup_062322

<u>Analyte</u>	<u>S1</u>	<u>S2</u>	<u>RPD (%)</u>
Alkalinity, Total as CaCO ₃	284	282	1%
Ammonia as Nitrogen, undistilled	5.7	5.74	1%
Biochemical Oxygen Demand (BOD)	2.1	ND	NC
Carbon, Total Organic (TOC)	7.7	7.1	8%
Chemical Oxygen Demand, Total	20.5	16.9	19%
Chloride	10.5	10.3	2%
Color, True	11	12	9%
Hardness, Total as CaCO ₃	82	79.6	3%
Nitrogen, Total Kjeldahl (TKN)	6.16	5.94	4%
pH of Color Analysis	6.56	6.93	5%
Phenolics, Total Recoverable	0.0057	0.0058	2%
Solids, Total Dissolved (TDS)	369	307	18%

* RPD is above the allowable maximum 20%.

Results are in units of mg/L with the exception of field analysis and pH.

Bold numbers were values that are below the RL.

ND - Not detected.

NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

TAL Metals

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. R2205713

S1= MW-12D_062322

S2= MW-12D Dup_062322

<u>Analyte</u>	<u>S1</u>	<u>S2</u>	<u>RPD (%)</u>
aluminum	101	ND	NC
antimony	ND	ND	NC
arsenic	ND	ND	NC
barium	64.9	63.8	2%
beryllium	ND	ND	NC
cadmium	ND	ND	NC
calcium	28100	27300	3%
chromium	ND	ND	NC
cobalt	ND	ND	NC
copper	ND	ND	NC
iron	130	101	25% *
lead	ND	ND	NC
magnesium	2840	2760	3%
manganese	ND	ND	NC
mercury	ND	ND	NC
nickel	ND	ND	NC
potassium	7460	7440	0%
selenium	ND	ND	NC
silver	ND	ND	NC
sodium	93500	93400	0%
thallium	ND	ND	NC
vanadium	ND	ND	NC
zinc	ND	ND	NC

* RPD is above the allowable maximum 20%.

Results are in units of ug/L.

Bold numbers were values that are below the CRDL.

ND - Not detected.

NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- J- = Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
- J+ = Analyte is present. Reported value may be biased high and associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

Appendix H



Geology

Hydrology

Remediation

Water Supply

April 7, 2023

Mr. Darik M. Jordan
Managing Environmental Scientist
Barton & Loguidice, D.P.C.
11 Centre Park, Suite 203
Rochester, New York 14614

Re: Data Validation report
Torrey Landfill
December 2022 Ground Water Sampling Events

Dear Mr. Jordan:

The data usability summary report (DUSR) and validation summaries for the Torrey Landfill project, December 2022 ground water sampling event. The data for ALS Group USA, Corp service request number R2211927 were acceptable with minor issues that are identified in the DUSR and validation summaries. There are no data qualified as rejected, unusable (R) in the data pack.

A list of data validation acronyms and qualifiers is attached to assist you in interpreting the data validation reviews. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Barton & Loguidice.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA/bms
Via email

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**Data Usability Summary Report for
ALS Group USA, Corp
Service Request: R2211927**

**5 Ground Water Samples, 1 Field Duplicate,
and 2 Equipment Blanks
Collected December 13-14, 2022**

Prepared by: Donald Anné
April 7, 2023

Geology

Hydrology

Remediation

Water Supply

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The results of 8270D SIM 1,4-dioxane and modified 537 PFAS for 5 ground water samples, 1 field duplicate, and 2 equipment blanks.

The overall performances of the analyses are acceptable. ALS Group USA, Corp. did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The “not detected” PFAS results for NMeFOSAA, PFDA, PFNA, PFOS, and PFOA were qualified as “estimated” (UJ) in samples Equipment Blank #1 and Equipment Blank #2 because surrogate recoveries used to quantitate these PFAS were below QC limits, but not below 10% in the samples.
- The “not detected” PFAS results for PFDA, PFHxA, PFNA, PFOS, and PFOA were qualified as “estimated” (UJ) in sample MW-13S DUP because surrogate recoveries used to quantitate these PFAS were below QC limits, but not below 10% in the samples.
- The “not detected” PFAS result for PFDA was qualified as “estimated” (UJ) in sample MW-8D because surrogate recovery used to quantitate PFDA was below QC limits, but not below 10% in the sample.

All data are considered usable with estimated (UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

Qualified Data Section

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927
Date Collected: 12/13/22 09:40
Date Received: 12/14/22 16:15

Sample Name: MW-16
Lab Code: R2211927-001

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	1	12/21/22 11:17	12/20/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	87	64 - 124	12/21/22 11:17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927
Date Collected: 12/13/22 11:00
Date Received: 12/14/22 16:15

Sample Name: MW-4D
Lab Code: R2211927-002

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.049	0.040	1	12/21/22 12:10	12/20/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	81	64 - 124	12/21/22 12:10	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927
Date Collected: 12/13/22 11:40
Date Received: 12/14/22 16:15

Sample Name: MW-3S
Lab Code: R2211927-003

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	1	12/21/22 12:27	12/20/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	95	64 - 124	12/21/22 12:27	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927
Date Collected: 12/13/22 11:45
Date Received: 12/14/22 16:15

Sample Name: Equipment Blank #1
Lab Code: R2211927-004

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	1	12/21/22 12:45	12/20/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	93	64 - 124	12/21/22 12:45	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927
Date Collected: 12/14/22 09:20
Date Received: 12/14/22 16:15

Sample Name: Equipment Blank #2
Lab Code: R2211927-005

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	1	12/21/22 13:02	12/20/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	84	64 - 124	12/21/22 13:02	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927
Date Collected: 12/14/22 09:25
Date Received: 12/14/22 16:15

Sample Name: MW-13S
Lab Code: R2211927-006

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	1	12/21/22 13:20	12/20/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	79	64 - 124	12/21/22 13:20	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927
Date Collected: 12/14/22 09:25
Date Received: 12/14/22 16:15

Sample Name: MW-13S DUP
Lab Code: R2211927-007

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	1	12/21/22 13:38	12/20/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	91	64 - 124	12/21/22 13:38	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Torrey Landfill/Emerging Contaminants
Sample Matrix: Water

Service Request: R2211927
Date Collected: 12/14/22 10:05
Date Received: 12/14/22 16:15

Sample Name: MW-8D
Lab Code: R2211927-008

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.065	0.040	1	12/21/22 13:55	12/20/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	77	64 - 124	12/21/22 13:55	

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Analytical Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: 12/13/22 09:40
Date Received: 12/20/22 14:00

Sample Name: MW-16
Lab Code: 22121784-01

Units: ng/L
Basis: Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	ND U	4.6	1	12/28/22 16:13	12/27/22 17:16	
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	ND U	4.6	1	12/28/22 16:13	12/27/22 17:16	
N-Ethylperfluorooctanesulfonamidoacetic Acid	ND U	4.6	1	12/28/22 16:13	12/27/22 17:16	
N-Methylperfluorooctanesulfonamidoacetic Acid	ND U	4.6	1	12/28/22 16:13	12/27/22 17:16	
Perfluorobutanesulfonic Acid (PFBS)	ND U	4.6	1	12/28/22 16:13	12/27/22 17:16	
Perfluorobutanoic Acid (PFBA)	ND U	4.6	1	12/28/22 16:13	12/27/22 17:16	
Perfluorodecanesulfonic Acid (PFDS)	ND U	4.6	1	12/28/22 16:13	12/27/22 17:16	
Perfluorodecanoic Acid (PFDA)	ND U	4.6	1	12/28/22 16:13	12/27/22 17:16	
Perfluorododecanoic Acid (PFDoA)	ND U	4.6	1	12/28/22 16:13	12/27/22 17:16	
Perfluoroheptanesulfonic Acid (PFHpS)	ND U	4.6	1	12/29/22 22:19	12/27/22 17:16	
Perfluoroheptanoic Acid (PFHpA)	ND U	4.6	1	12/28/22 16:13	12/27/22 17:16	
Perfluorohexanesulfonic Acid (PFHxS)	ND U	4.6	1	12/28/22 16:13	12/27/22 17:16	
Perfluorohexanoic Acid (PFHxA)	ND U	4.6	1	12/28/22 16:13	12/27/22 17:16	
Perfluorononanoic Acid (PFNA)	ND U	4.6	1	12/28/22 16:13	12/27/22 17:16	
Perfluorooctanesulfonamide (PFOSA)	ND U	4.6	1	12/28/22 16:13	12/27/22 17:16	
Perfluorooctanesulfonic Acid (PFOS)	ND U	1.8	1	12/28/22 16:13	12/27/22 17:16	
Perfluorooctanoic Acid (PFOA)	ND U	1.8	1	12/28/22 16:13	12/27/22 17:16	
Perfluoropentanoic Acid (PFPeA)	ND U	4.6	1	12/28/22 16:13	12/27/22 17:16	
Perfluorotetradecanoic Acid (PFTeA)	ND U	4.6	1	12/28/22 16:13	12/27/22 17:16	
Perfluorotridecanoic Acid (PFTriA)	ND U	4.6	1	12/29/22 22:19	12/27/22 17:16	

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Analytical Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: 12/13/22 09:40
Date Received: 12/20/22 14:00

Sample Name: MW-16
Lab Code: 22121784-01

Units: ng/L
Basis: Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroundecanoic Acid (PFUnA)	ND U	4.6	1	12/28/22 16:13	12/27/22 17:16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-FtS 6:2	105	50 - 150	12/28/22 16:13	
13C2-FtS 8:2	70.6	50 - 150	12/28/22 16:13	
13C2-PFDA	57.6	50 - 150	12/28/22 16:13	
13C2-PFDoA	64.0	50 - 150	12/28/22 16:13	
13C2-PFHxA	67.4	50 - 150	12/28/22 16:13	
13C2-PFTeA	85.9	50 - 150	12/28/22 16:13	
13C2-PFUnA	77.3	50 - 150	12/28/22 16:13	
13C3-HFPO-DA	54.4	50 - 150	12/28/22 16:13	
13C3-PFBS	77.8	50 - 150	12/28/22 16:13	
13C4-PFBA	72.4	50 - 150	12/28/22 16:13	
13C4-PFHpA	90.3	50 - 150	12/28/22 16:13	
13C4-PFOA	55.3	50 - 150	12/28/22 16:13	
13C4-PFOS	63.4	50 - 150	12/28/22 16:13	
13C5-PFNA	51.9	50 - 150	12/28/22 16:13	
13C5-PFPeA	75.2	50 - 150	12/28/22 16:13	
13C8-FOSA	83.9	50 - 150	12/28/22 16:13	
18O2-PFHxS	79.5	50 - 150	12/28/22 16:13	
d3-N-MeFOSA	59.6	50 - 150	12/28/22 16:13	
d3-N-MeFOSAA	70.2	50 - 150	12/28/22 16:13	
d5-N-EtFOSA	70.6	50 - 150	12/28/22 16:13	
d5-N-EtFOSAA	90.1	50 - 150	12/28/22 16:13	
d7-N-MeFOSE	81.0	50 - 150	12/28/22 16:13	
d9-N-EtFOSE	64.7	50 - 150	12/28/22 16:13	

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Analytical Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: 12/13/22 11:00
Date Received: 12/20/22 14:00

Sample Name: MW-4D
Lab Code: 22121784-02

Units: ng/L
Basis: Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	ND U	4.5	1	12/22/22 06:00	12/21/22 17:15	
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	ND U	4.5	1	12/22/22 06:00	12/21/22 17:15	
N-Ethylperfluorooctanesulfonamidoacetic Acid	ND U	4.5	1	12/22/22 06:00	12/21/22 17:15	
N-Methylperfluorooctanesulfonamidoacetic Acid	ND U	4.5	1	12/22/22 06:00	12/21/22 17:15	
Perfluorobutanesulfonic Acid (PFBS)	ND U	4.5	1	12/22/22 06:00	12/21/22 17:15	
Perfluorobutanoic Acid (PFBA)	ND U	4.5	1	12/22/22 06:00	12/21/22 17:15	
Perfluorodecanesulfonic Acid (PFDS)	ND U	4.5	1	12/22/22 22:19	12/21/22 17:15	
Perfluorodecanoic Acid (PFDA)	ND U	4.5	1	12/22/22 06:00	12/21/22 17:15	
Perfluorododecanoic Acid (PFDoA)	ND U	4.5	1	12/22/22 06:00	12/21/22 17:15	
Perfluoroheptanesulfonic Acid (PFHpS)	ND U	4.5	1	12/22/22 06:00	12/21/22 17:15	
Perfluoroheptanoic Acid (PFHpA)	ND U	4.5	1	12/22/22 06:00	12/21/22 17:15	
Perfluorohexanesulfonic Acid (PFHxS)	ND U	4.5	1	12/22/22 06:00	12/21/22 17:15	
Perfluorohexanoic Acid (PFHxA)	ND U	4.5	1	12/22/22 06:00	12/21/22 17:15	
Perfluorononanoic Acid (PFNA)	ND U	4.5	1	12/22/22 06:00	12/21/22 17:15	
Perfluorooctanesulfonamide (PFOSA)	ND U	4.5	1	12/22/22 06:00	12/21/22 17:15	
Perfluorooctanesulfonic Acid (PFOS)	ND U	1.8	1	12/22/22 06:00	12/21/22 17:15	
Perfluorooctanoic Acid (PFOA)	ND U	1.8	1	12/22/22 06:00	12/21/22 17:15	
Perfluoropentanoic Acid (PFPeA)	ND U	4.5	1	12/22/22 06:00	12/21/22 17:15	
Perfluorotetradecanoic Acid (PFTeA)	ND U	4.5	1	12/22/22 06:00	12/21/22 17:15	
Perfluorotridecanoic Acid (PFTriA)	ND U	4.5	1	12/22/22 06:00	12/21/22 17:15	

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Analytical Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: 12/13/22 11:00
Date Received: 12/20/22 14:00

Sample Name: MW-4D
Lab Code: 22121784-02

Units: ng/L
Basis: Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroundecanoic Acid (PFUnA)	ND U	4.5	1	12/22/22 06:00	12/21/22 17:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-FtS 6:2	150	50 - 150	12/22/22 06:00	S
13C2-FtS 8:2	73.3	50 - 150	12/22/22 22:19	
13C2-PFDA	61.5	50 - 150	12/22/22 22:19	
13C2-PFDoA	56.5	50 - 150	12/22/22 06:00	
13C2-PFHxA	63.4	50 - 150	12/22/22 06:00	
13C2-PFTeA	50.0	50 - 150	12/22/22 06:00	
13C2-PFUnA	72.7	50 - 150	12/22/22 06:00	
13C3-HFPO-DA	40.3	50 - 150	12/22/22 06:00	S
13C3-PFBS	71.7	50 - 150	12/22/22 06:00	
13C4-PFBA	67.3	50 - 150	12/22/22 06:00	
13C4-PFHpA	100	50 - 150	12/22/22 06:00	
13C4-PFOA	56.3	50 - 150	12/22/22 22:19	
13C4-PFOS	60.3	50 - 150	12/22/22 22:19	
13C5-PFNA	53.4	50 - 150	12/22/22 22:19	
13C5-PFPeA	73.8	50 - 150	12/22/22 22:19	
13C8-FOSA	53.5	50 - 150	12/22/22 06:00	
18O2-PFHxS	59.6	50 - 150	12/22/22 06:00	
d3-N-MeFOSA	35.2	50 - 150	12/22/22 06:00	S
d3-N-MeFOSAA	74.4	50 - 150	12/22/22 22:19	
d5-N-EtFOSA	47.1	50 - 150	12/22/22 06:00	S
d5-N-EtFOSAA	83.5	50 - 150	12/22/22 06:00	
d7-N-MeFOSE	89.9	50 - 150	12/22/22 22:19	
d9-N-EtFOSE	48.9	50 - 150	12/22/22 06:00	S

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Analytical Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: 12/13/22 11:40
Date Received: 12/20/22 14:00

Sample Name: MW-3S
Lab Code: 22121784-03

Units: ng/L
Basis: Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	ND U	4.6	1	12/22/22 06:09	12/21/22 17:15	
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	ND U	4.6	1	12/22/22 06:09	12/21/22 17:15	
N-Ethylperfluorooctanesulfonamidoacetic Acid	ND U	4.6	1	12/22/22 06:09	12/21/22 17:15	
N-Methylperfluorooctanesulfonamidoacetic Acid	ND U	4.6	1	12/22/22 06:09	12/21/22 17:15	
Perfluorobutanesulfonic Acid (PFBS)	5.1	4.6	1	12/22/22 06:09	12/21/22 17:15	
Perfluorobutanoic Acid (PFBA)	ND U	4.6	1	12/22/22 06:09	12/21/22 17:15	
Perfluorodecanesulfonic Acid (PFDS)	ND U	4.6	1	12/22/22 22:27	12/21/22 17:15	
Perfluorodecanoic Acid (PFDA)	ND U	4.6	1	12/22/22 06:09	12/21/22 17:15	
Perfluorododecanoic Acid (PFDoA)	ND U	4.6	1	12/22/22 06:09	12/21/22 17:15	
Perfluoroheptanesulfonic Acid (PFHpS)	ND U	4.6	1	12/22/22 06:09	12/21/22 17:15	
Perfluoroheptanoic Acid (PFHpA)	ND U	4.6	1	12/22/22 06:09	12/21/22 17:15	
Perfluorohexanesulfonic Acid (PFHxS)	ND U	4.6	1	12/22/22 06:09	12/21/22 17:15	
Perfluorohexanoic Acid (PFHxA)	ND U	4.6	1	12/22/22 06:09	12/21/22 17:15	
Perfluorononanoic Acid (PFNA)	ND U	4.6	1	12/22/22 06:09	12/21/22 17:15	
Perfluorooctanesulfonamide (PFOSA)	ND U	4.6	1	12/22/22 06:09	12/21/22 17:15	
Perfluorooctanesulfonic Acid (PFOS)	ND U	1.8	1	12/22/22 06:09	12/21/22 17:15	
Perfluorooctanoic Acid (PFOA)	ND U	1.8	1	12/22/22 06:09	12/21/22 17:15	
Perfluoropentanoic Acid (PFPeA)	ND U	4.6	1	12/22/22 06:09	12/21/22 17:15	
Perfluorotetradecanoic Acid (PFTeA)	ND U	4.6	1	12/22/22 06:09	12/21/22 17:15	
Perfluorotridecanoic Acid (PFTriA)	ND U	4.6	1	12/22/22 06:09	12/21/22 17:15	

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Analytical Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: 12/13/22 11:40
Date Received: 12/20/22 14:00

Sample Name: MW-3S
Lab Code: 22121784-03

Units: ng/L
Basis: Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroundecanoic Acid (PFUnA)	ND U	4.6	1	12/22/22 06:09	12/21/22 17:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-FtS 6:2	93.2	50 - 150	12/22/22 06:09	
13C2-FtS 8:2	62.8	50 - 150	12/22/22 22:27	
13C2-PFDA	76.5	50 - 150	12/22/22 22:27	
13C2-PFDoA	71.5	50 - 150	12/22/22 06:09	
13C2-PFHxA	82.9	50 - 150	12/22/22 06:09	
13C2-PFTeA	104	50 - 150	12/22/22 06:09	
13C2-PFUnA	82.3	50 - 150	12/22/22 06:09	
13C3-HFPO-DA	63.1	50 - 150	12/22/22 06:09	
13C3-PFBS	85.3	50 - 150	12/22/22 06:09	
13C4-PFBA	81.0	50 - 150	12/22/22 06:09	
13C4-PFHpA	116	50 - 150	12/22/22 06:09	
13C4-PFOA	74.9	50 - 150	12/22/22 22:27	
13C4-PFOS	86.4	50 - 150	12/22/22 22:27	
13C5-PFNA	72.0	50 - 150	12/22/22 22:27	
13C5-PFPeA	84.5	50 - 150	12/22/22 22:27	
13C8-FOSA	93.3	50 - 150	12/22/22 06:09	
18O2-PFHxS	80.0	50 - 150	12/22/22 06:09	
d3-N-MeFOSA	67.1	50 - 150	12/22/22 06:09	
d3-N-MeFOSAA	88.0	50 - 150	12/22/22 22:27	
d5-N-EtFOSA	82.2	50 - 150	12/22/22 06:09	
d5-N-EtFOSAA	95.1	50 - 150	12/22/22 06:09	
d7-N-MeFOSE	131	50 - 150	12/22/22 22:27	
d9-N-EtFOSE	82.9	50 - 150	12/22/22 06:09	

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Analytical Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: 12/13/22 11:45
Date Received: 12/20/22 14:00

Sample Name: Equipment Blank #1
Lab Code: 22121784-04

Units: ng/L
Basis: Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	ND U	4.8	1	12/22/22 06:17	12/21/22 17:15	
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	ND U	4.8	1	12/22/22 06:17	12/21/22 17:15	
N-Ethylperfluorooctanesulfonamidoacetic Acid	ND U	4.8	1	12/22/22 06:17	12/21/22 17:15	
N-Methylperfluorooctanesulfonamidoacetic Acid NMeFOSAA	ND U UJ	4.8	1	12/22/22 06:17	12/21/22 17:15	
Perfluorobutanesulfonic Acid (PFBS)	ND U	4.8	1	12/22/22 06:17	12/21/22 17:15	
Perfluorobutanoic Acid (PFBA)	ND U	4.8	1	12/22/22 06:17	12/21/22 17:15	
Perfluorodecanesulfonic Acid (PFDS)	ND U	4.8	1	12/22/22 22:36	12/21/22 17:15	
Perfluorodecanoic Acid (PFDA)	ND U UJ	4.8	1	12/22/22 06:17	12/21/22 17:15	
Perfluorododecanoic Acid (PFDoA)	ND U	4.8	1	12/22/22 06:17	12/21/22 17:15	
Perfluoroheptanesulfonic Acid (PFHpS)	ND U	4.8	1	12/22/22 06:17	12/21/22 17:15	
Perfluoroheptanoic Acid (PFHpA)	ND U	4.8	1	12/22/22 06:17	12/21/22 17:15	
Perfluorohexanesulfonic Acid (PFHxS)	ND U	4.8	1	12/22/22 06:17	12/21/22 17:15	
Perfluorohexanoic Acid (PFHxA)	ND U	4.8	1	12/22/22 06:17	12/21/22 17:15	
Perfluorononanoic Acid (PFNA)	ND U UJ	4.8	1	12/22/22 06:17	12/21/22 17:15	
Perfluorooctanesulfonamide (PFOSA)	ND U	4.8	1	12/22/22 06:17	12/21/22 17:15	
Perfluorooctanesulfonic Acid (PFOS)	ND U UJ	1.9	1	12/22/22 06:17	12/21/22 17:15	
Perfluorooctanoic Acid (PFOA)	ND U UJ	1.9	1	12/22/22 06:17	12/21/22 17:15	
Perfluoropentanoic Acid (PFPeA)	ND U	4.8	1	12/22/22 06:17	12/21/22 17:15	
Perfluorotetradecanoic Acid (PFTeA)	ND U	4.8	1	12/22/22 06:17	12/21/22 17:15	
Perfluorotridecanoic Acid (PFTriA)	ND U	4.8	1	12/22/22 06:17	12/21/22 17:15	

ALS Group USA, Corp.
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Analytical Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: 12/13/22 11:45
Date Received: 12/20/22 14:00

Sample Name: Equipment Blank #1
Lab Code: 22121784-04

Units: ng/L
Basis: Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroundecanoic Acid (PFUnA)	ND U	4.8	1	12/22/22 06:17	12/21/22 17:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-FtS 6:2	90.8	50 - 150	12/22/22 06:17	
13C2-FtS 8:2	60.5	50 - 150	12/22/22 22:36	
13C2-PFDA	40.4	50 - 150	12/22/22 22:36	S
13C2-PFDoA	69.6	50 - 150	12/22/22 06:17	
13C2-PFHxA	85.9	50 - 150	12/22/22 06:17	
13C2-PFTeA	94.2	50 - 150	12/22/22 06:17	
13C2-PFUnA	81.9	50 - 150	12/22/22 06:17	
13C3-HFPO-DA	58.2	50 - 150	12/22/22 06:17	
13C3-PFBS	85.8	50 - 150	12/22/22 06:17	
13C4-PFBA	83.8	50 - 150	12/22/22 06:17	
13C4-PFHpA	112	50 - 150	12/22/22 06:17	
13C4-PFOA	44.7	50 - 150	12/22/22 22:36	S
13C4-PFOS	42.0	50 - 150	12/22/22 22:36	S
13C5-PFNA	43.2	50 - 150	12/22/22 22:36	S
13C5-PFPeA	53.0	50 - 150	12/22/22 22:36	
13C8-FOSA	92.0	50 - 150	12/22/22 06:17	
18O2-PFHxS	84.1	50 - 150	12/22/22 06:17	
d3-N-MeFOSA	60.5	50 - 150	12/22/22 06:17	
d3-N-MeFOSAA	43.8	50 - 150	12/22/22 22:36	S
d5-N-EtFOSA	67.5	50 - 150	12/22/22 06:17	
d5-N-EtFOSAA	85.0	50 - 150	12/22/22 06:17	
d7-N-MeFOSE	57.4	50 - 150	12/22/22 22:36	
d9-N-EtFOSE	74.0	50 - 150	12/22/22 06:17	

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Analytical Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: 12/14/22 09:20
Date Received: 12/20/22 14:00

Sample Name: Equipment Blank #2
Lab Code: 22121784-05

Units: ng/L
Basis: Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	ND U	4.4	1	12/22/22 06:58	12/21/22 17:15	
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	ND U	4.4	1	12/22/22 06:58	12/21/22 17:15	
N-Ethylperfluorooctanesulfonamidoacetic Acid	ND U	4.4	1	12/22/22 06:58	12/21/22 17:15	
N-Methylperfluorooctanesulfonamidoacetic Acid	ND U	4.4	1	12/22/22 06:58	12/21/22 17:15	UJ
Perfluorobutanesulfonic Acid (PFBS)	ND U	4.4	1	12/22/22 06:58	12/21/22 17:15	
Perfluorobutanoic Acid (PFBA)	ND U	4.4	1	12/22/22 06:58	12/21/22 17:15	
Perfluorodecanesulfonic Acid (PFDS)	ND U	4.4	1	12/22/22 06:58	12/21/22 17:15	
Perfluorodecanoic Acid (PFDA)	ND U	4.4	1	12/22/22 06:58	12/21/22 17:15	UJ
Perfluorododecanoic Acid (PFDoA)	ND U	4.4	1	12/22/22 06:58	12/21/22 17:15	
Perfluoroheptanesulfonic Acid (PFHpS)	ND U	4.4	1	12/22/22 06:58	12/21/22 17:15	
Perfluoroheptanoic Acid (PFHpA)	ND U	4.4	1	12/22/22 06:58	12/21/22 17:15	
Perfluorohexanesulfonic Acid (PFHxS)	ND U	4.4	1	12/22/22 06:58	12/21/22 17:15	
Perfluorohexanoic Acid (PFHxA)	ND U	4.4	1	12/22/22 06:58	12/21/22 17:15	
Perfluorononanoic Acid (PFNA)	ND U	4.4	1	12/22/22 06:58	12/21/22 17:15	UJ
Perfluorooctanesulfonamide (PFOSA)	ND U	4.4	1	12/22/22 06:58	12/21/22 17:15	
Perfluorooctanesulfonic Acid (PFOS)	ND U	1.8	1	12/22/22 06:58	12/21/22 17:15	UJ
Perfluorooctanoic Acid (PFOA)	ND U	1.8	1	12/22/22 06:58	12/21/22 17:15	UJ
Perfluoropentanoic Acid (PFPeA)	ND U	4.4	1	12/22/22 06:58	12/21/22 17:15	
Perfluorotetradecanoic Acid (PFTeA)	ND U	4.4	1	12/22/22 06:58	12/21/22 17:15	
Perfluorotridecanoic Acid (PFTriA)	ND U	4.4	1	12/22/22 06:58	12/21/22 17:15	

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Analytical Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: 12/14/22 09:20
Date Received: 12/20/22 14:00

Sample Name: Equipment Blank #2
Lab Code: 22121784-05

Units: ng/L
Basis: Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroundecanoic Acid (PFUnA)	ND U	4.4	1	12/22/22 06:58	12/21/22 17:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-FtS 6:2	74.4	50 - 150	12/22/22 06:58	
13C2-FtS 8:2	56.5	50 - 150	12/22/22 06:58	
13C2-PFDA	38.5	50 - 150	12/22/22 06:58	S
13C2-PFDoA	57.0	50 - 150	12/22/22 06:58	
13C2-PFHxA	52.4	50 - 150	12/22/22 06:58	
13C2-PFTeA	75.4	50 - 150	12/22/22 06:58	
13C2-PFUnA	83.4	50 - 150	12/22/22 06:58	
13C3-HFPO-DA	65.4	50 - 150	12/22/22 06:58	
13C3-PFBS	60.8	50 - 150	12/22/22 06:58	
13C4-PFBA	60.3	50 - 150	12/22/22 06:58	
13C4-PFHpA	57.6	50 - 150	12/22/22 06:58	
13C4-PFOA	42.9	50 - 150	12/22/22 06:58	S
13C4-PFOS	44.7	50 - 150	12/22/22 06:58	S
13C5-PFNA	44.2	50 - 150	12/22/22 06:58	S
13C5-PFPeA	62.0	50 - 150	12/22/22 06:58	
13C8-FOSA	71.8	50 - 150	12/22/22 06:58	
18O2-PFHxS	66.5	50 - 150	12/22/22 06:58	
d3-N-MeFOSA	57.4	50 - 150	12/22/22 06:58	
d3-N-MeFOSAA	47.8	50 - 150	12/22/22 06:58	S
d5-N-EtFOSA	46.7	50 - 150	12/22/22 06:58	S
d5-N-EtFOSAA	81.1	50 - 150	12/22/22 06:58	
d7-N-MeFOSE	61.1	50 - 150	12/22/22 06:58	
d9-N-EtFOSE	65.3	50 - 150	12/22/22 06:58	

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Analytical Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: 12/14/22 09:25
Date Received: 12/20/22 14:00

Sample Name: MW-13S
Lab Code: 22121784-06

Units: ng/L
Basis: Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	ND U	4.5	1	12/22/22 07:06	12/21/22 17:15	
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	ND U	4.5	1	12/22/22 07:06	12/21/22 17:15	
N-Ethylperfluorooctanesulfonamidoacetic Acid	ND U	4.5	1	12/22/22 07:06	12/21/22 17:15	
N-Methylperfluorooctanesulfonamidoacetic Acid	ND U	4.5	1	12/22/22 07:06	12/21/22 17:15	
Perfluorobutanesulfonic Acid (PFBS)	ND U	4.5	1	12/22/22 07:06	12/21/22 17:15	
Perfluorobutanoic Acid (PFBA)	ND U	4.5	1	12/22/22 07:06	12/21/22 17:15	
Perfluorodecanesulfonic Acid (PFDS)	ND U	4.5	1	12/22/22 07:06	12/21/22 17:15	
Perfluorodecanoic Acid (PFDA)	ND U	4.5	1	12/22/22 07:06	12/21/22 17:15	
Perfluorododecanoic Acid (PFDoA)	ND U	4.5	1	12/22/22 07:06	12/21/22 17:15	
Perfluoroheptanesulfonic Acid (PFHpS)	ND U	4.5	1	12/22/22 07:06	12/21/22 17:15	
Perfluoroheptanoic Acid (PFHpA)	ND U	4.5	1	12/22/22 07:06	12/21/22 17:15	
Perfluorohexanesulfonic Acid (PFHxS)	ND U	4.5	1	12/22/22 07:06	12/21/22 17:15	
Perfluorohexanoic Acid (PFHxA)	ND U	4.5	1	12/22/22 07:06	12/21/22 17:15	
Perfluorononanoic Acid (PFNA)	ND U	4.5	1	12/22/22 07:06	12/21/22 17:15	
Perfluorooctanesulfonamide (PFOSA)	ND U	4.5	1	12/22/22 07:06	12/21/22 17:15	
Perfluorooctanesulfonic Acid (PFOS)	ND U	1.8	1	12/22/22 07:06	12/21/22 17:15	
Perfluorooctanoic Acid (PFOA)	ND U	1.8	1	12/22/22 07:06	12/21/22 17:15	
Perfluoropentanoic Acid (PFPeA)	ND U	4.5	1	12/22/22 07:06	12/21/22 17:15	
Perfluorotetradecanoic Acid (PFTeA)	ND U	4.5	1	12/22/22 07:06	12/21/22 17:15	
Perfluorotridecanoic Acid (PFTriA)	ND U	4.5	1	12/22/22 07:06	12/21/22 17:15	

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Analytical Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: 12/14/22 09:25
Date Received: 12/20/22 14:00

Sample Name: MW-13S
Lab Code: 22121784-06

Units: ng/L
Basis: Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroundecanoic Acid (PFUnA)	ND U	4.5	1	12/22/22 07:06	12/21/22 17:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-FtS 6:2	91.8	50 - 150	12/22/22 07:06	
13C2-FtS 8:2	62.9	50 - 150	12/22/22 07:06	
13C2-PFDA	75.4	50 - 150	12/22/22 07:06	
13C2-PFDoA	66.4	50 - 150	12/22/22 07:06	
13C2-PFHxA	88.9	50 - 150	12/22/22 07:06	
13C2-PFTeA	85.8	50 - 150	12/22/22 07:06	
13C2-PFUnA	73.3	50 - 150	12/22/22 07:06	
13C3-HFPO-DA	51.3	50 - 150	12/22/22 07:06	
13C3-PFBS	89.2	50 - 150	12/22/22 07:06	
13C4-PFBA	81.1	50 - 150	12/22/22 07:06	
13C4-PFHpA	124	50 - 150	12/22/22 07:06	
13C4-PFOA	79.0	50 - 150	12/22/22 07:06	
13C4-PFOS	84.5	50 - 150	12/22/22 07:06	
13C5-PFNA	69.9	50 - 150	12/22/22 07:06	
13C5-PFPeA	85.2	50 - 150	12/22/22 07:06	
13C8-FOSA	80.4	50 - 150	12/22/22 07:06	
18O2-PFHxS	76.7	50 - 150	12/22/22 07:06	
d3-N-MeFOSA	55.9	50 - 150	12/22/22 07:06	
d3-N-MeFOSAA	82.6	50 - 150	12/22/22 07:06	
d5-N-EtFOSA	85.7	50 - 150	12/22/22 07:06	
d5-N-EtFOSAA	86.2	50 - 150	12/22/22 07:06	
d7-N-MeFOSE	134	50 - 150	12/22/22 07:06	
d9-N-EtFOSE	80.8	50 - 150	12/22/22 07:06	

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Analytical Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: 12/14/22 09:25
Date Received: 12/20/22 14:00

Sample Name: MW-13S Dup
Lab Code: 22121784-07

Units: ng/L
Basis: Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	ND U	4.4	1	12/22/22 07:15	12/21/22 17:15	
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	ND U	4.4	1	12/22/22 07:15	12/21/22 17:15	
N-Ethylperfluorooctanesulfonamidoacetic Acid	ND U	4.4	1	12/22/22 07:15	12/21/22 17:15	
N-Methylperfluorooctanesulfonamidoacetic Acid	ND U	4.4	1	12/22/22 07:15	12/21/22 17:15	
Perfluorobutanesulfonic Acid (PFBS)	ND U	4.4	1	12/22/22 07:15	12/21/22 17:15	
Perfluorobutanoic Acid (PFBA)	ND U	4.4	1	12/22/22 07:15	12/21/22 17:15	
Perfluorodecanesulfonic Acid (PFDS)	ND U	4.4	1	12/22/22 07:15	12/21/22 17:15	
Perfluorodecanoic Acid (PFDA)	ND U UJ	4.4	1	12/22/22 07:15	12/21/22 17:15	
Perfluorododecanoic Acid (PFDoA)	ND U	4.4	1	12/22/22 07:15	12/21/22 17:15	
Perfluoroheptanesulfonic Acid (PFHpS)	ND U	4.4	1	12/22/22 07:15	12/21/22 17:15	
Perfluoroheptanoic Acid (PFHpA)	ND U	4.4	1	12/22/22 07:15	12/21/22 17:15	
Perfluorohexanesulfonic Acid (PFHxS)	ND U	4.4	1	12/22/22 07:15	12/21/22 17:15	
Perfluorohexanoic Acid (PFHxA)	ND U UJ	4.4	1	12/22/22 07:15	12/21/22 17:15	
Perfluorononanoic Acid (PFNA)	ND U UJ	4.4	1	12/22/22 07:15	12/21/22 17:15	
Perfluorooctanesulfonamide (PFOSA)	ND U	4.4	1	12/22/22 07:15	12/21/22 17:15	
Perfluorooctanesulfonic Acid (PFOS)	ND U UJ	1.8	1	12/22/22 07:15	12/21/22 17:15	
Perfluorooctanoic Acid (PFOA)	ND U UJ	1.8	1	12/22/22 07:15	12/21/22 17:15	
Perfluoropentanoic Acid (PFPeA)	ND U	4.4	1	12/22/22 07:15	12/21/22 17:15	
Perfluorotetradecanoic Acid (PFTeA)	ND U	4.4	1	12/22/22 07:15	12/21/22 17:15	
Perfluorotridecanoic Acid (PFTriA)	ND U	4.4	1	12/22/22 07:15	12/21/22 17:15	

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Analytical Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: 12/14/22 09:25
Date Received: 12/20/22 14:00

Sample Name: MW-13S Dup
Lab Code: 22121784-07

Units: ng/L
Basis: Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroundecanoic Acid (PFUnA)	ND U	4.4	1	12/22/22 07:15	12/21/22 17:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-FtS 6:2	71.2	50 - 150	12/22/22 07:15	
13C2-FtS 8:2	63.1	50 - 150	12/22/22 07:15	
13C2-PFDA	40.4	50 - 150	12/22/22 07:15	S
13C2-PFDoA	63.6	50 - 150	12/22/22 07:15	
13C2-PFHxA	49.9	50 - 150	12/22/22 07:15	S
13C2-PFTeA	84.1	50 - 150	12/22/22 07:15	
13C2-PFUnA	83.5	50 - 150	12/22/22 07:15	
13C3-HFPO-DA	70.8	50 - 150	12/22/22 07:15	
13C3-PFBS	65.5	50 - 150	12/22/22 07:15	
13C4-PFBA	62.0	50 - 150	12/22/22 07:15	
13C4-PFHpA	58.1	50 - 150	12/22/22 07:15	
13C4-PFOA	45.6	50 - 150	12/22/22 07:15	S
13C4-PFOS	40.9	50 - 150	12/22/22 07:15	S
13C5-PFNA	46.5	50 - 150	12/22/22 07:15	S
13C5-PFPeA	65.1	50 - 150	12/22/22 07:15	
13C8-FOSA	73.6	50 - 150	12/22/22 07:15	
18O2-PFHxS	61.3	50 - 150	12/22/22 07:15	
d3-N-MeFOSA	63.7	50 - 150	12/22/22 07:15	
d3-N-MeFOSAA	54.1	50 - 150	12/22/22 07:15	
d5-N-EtFOSA	55.2	50 - 150	12/22/22 07:15	
d5-N-EtFOSAA	85.5	50 - 150	12/22/22 07:15	
d7-N-MeFOSE	63.6	50 - 150	12/22/22 07:15	
d9-N-EtFOSE	69.9	50 - 150	12/22/22 07:15	

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Analytical Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: 12/14/22 10:05
Date Received: 12/20/22 14:00

Sample Name: MW-8D
Lab Code: 22121784-08

Units: ng/L
Basis: Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	ND U	4.9	1	12/22/22 07:23	12/21/22 17:15	
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	ND U	4.9	1	12/22/22 07:23	12/21/22 17:15	
N-Ethylperfluorooctanesulfonamidoacetic Acid	ND U	4.9	1	12/22/22 07:23	12/21/22 17:15	
N-Methylperfluorooctanesulfonamidoacetic Acid	ND U	4.9	1	12/22/22 07:23	12/21/22 17:15	
Perfluorobutanesulfonic Acid (PFBS)	ND U	4.9	1	12/22/22 07:23	12/21/22 17:15	
Perfluorobutanoic Acid (PFBA)	ND U	4.9	1	12/22/22 07:23	12/21/22 17:15	
Perfluorodecanesulfonic Acid (PFDS)	ND U	4.9	1	12/22/22 07:23	12/21/22 17:15	
Perfluorodecanoic Acid (PFDA)	ND U UJ	4.9	1	12/22/22 07:23	12/21/22 17:15	
Perfluorododecanoic Acid (PFDoA)	ND U	4.9	1	12/22/22 07:23	12/21/22 17:15	
Perfluoroheptanesulfonic Acid (PFHpS)	ND U	4.9	1	12/22/22 07:23	12/21/22 17:15	
Perfluoroheptanoic Acid (PFHpA)	ND U	4.9	1	12/22/22 07:23	12/21/22 17:15	
Perfluorohexanesulfonic Acid (PFHxS)	ND U	4.9	1	12/22/22 07:23	12/21/22 17:15	
Perfluorohexanoic Acid (PFHxA)	ND U	4.9	1	12/22/22 07:23	12/21/22 17:15	
Perfluorononanoic Acid (PFNA)	ND U	4.9	1	12/22/22 07:23	12/21/22 17:15	
Perfluorooctanesulfonamide (PFOSA)	ND U	4.9	1	12/22/22 07:23	12/21/22 17:15	
Perfluorooctanesulfonic Acid (PFOS)	ND U	2.0	1	12/22/22 07:23	12/21/22 17:15	
Perfluorooctanoic Acid (PFOA)	ND U	2.0	1	12/22/22 07:23	12/21/22 17:15	
Perfluoropentanoic Acid (PFPeA)	ND U	4.9	1	12/22/22 07:23	12/21/22 17:15	
Perfluorotetradecanoic Acid (PFTeA)	ND U	4.9	1	12/22/22 07:23	12/21/22 17:15	
Perfluorotridecanoic Acid (PFTriA)	ND U	4.9	1	12/22/22 07:23	12/21/22 17:15	

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Analytical Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: 12/14/22 10:05
Date Received: 12/20/22 14:00

Sample Name: MW-8D
Lab Code: 22121784-08

Units: ng/L
Basis: Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroundecanoic Acid (PFUnA)	ND U	4.9	1	12/22/22 07:23	12/21/22 17:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-FtS 6:2	140	50 - 150	12/22/22 07:23	
13C2-FtS 8:2	59.9	50 - 150	12/22/22 07:23	
13C2-PFDA	49.9	50 - 150	12/22/22 07:23	S
13C2-PFDoA	59.0	50 - 150	12/22/22 07:23	
13C2-PFHxA	65.7	50 - 150	12/22/22 07:23	
13C2-PFTeA	79.9	50 - 150	12/22/22 07:23	
13C2-PFUnA	79.9	50 - 150	12/22/22 07:23	
13C3-HFPO-DA	61.8	50 - 150	12/22/22 07:23	
13C3-PFBS	74.3	50 - 150	12/22/22 07:23	
13C4-PFBA	75.4	50 - 150	12/22/22 07:23	
13C4-PFHpA	92.6	50 - 150	12/22/22 07:23	
13C4-PFOA	57.2	50 - 150	12/22/22 07:23	
13C4-PFOS	61.6	50 - 150	12/22/22 07:23	
13C5-PFNA	52.0	50 - 150	12/22/22 07:23	
13C5-PFPeA	75.9	50 - 150	12/22/22 07:23	
13C8-FOSA	89.8	50 - 150	12/22/22 07:23	
18O2-PFHxS	82.9	50 - 150	12/22/22 07:23	
d3-N-MeFOSA	67.0	50 - 150	12/22/22 07:23	
d3-N-MeFOSAA	59.6	50 - 150	12/22/22 07:23	
d5-N-EtFOSA	75.6	50 - 150	12/22/22 07:23	
d5-N-EtFOSAA	88.6	50 - 150	12/22/22 07:23	
d7-N-MeFOSE	101	50 - 150	12/22/22 07:23	
d9-N-EtFOSE	75.1	50 - 150	12/22/22 07:23	

1,4-Dioxane

Data Section



**QA/QC Review of Method 8270D SIM 1,4-Dioxane
Data for ALS Group USA, Corp.
Service Request: R2211927**

**5 Ground Water Samples, 1 Field Duplicate,
and 2 Equipment Blanks
Collected December 13-14, 2022**

Prepared by: Donald Anné
April 7, 2023

Geology
Hydrology
Remediation
Water Supply

Holding Times: The sample was extracted and analyzed within USEPA holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRF for 1,4-dioxane was above the allowable minimum (0.010) and R squared was above the allowable minimum (0.990), as required.

Continuing Calibration: The %D for 1,4-dioxane was below the allowable maximum (20%), as required.

Blanks: The analysis of the method blank reported 1,4-dioxane as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for the ground water samples and equipment blanks.

Internal Standard Area Summary: The internal standard area and retention time were within control limits.

Matrix Spike/Matrix Spike Duplicate: The relative percent difference for 1,4-dioxane was below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample-16.

Laboratory Control Sample: The relative percent difference for 1,4-dioxane was below the allowable maximum and the percent recoveries were within QC limits for aqueous samples RQ2215977-02 and RQ2215977-03.

Field Duplicates: The analyses of aqueous field duplicate pair MW-13S/MW-13S DUP reported 1,4-dioxane as not detected; therefore, a valid relative percent difference could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked surrogate and 1,4-dioxane results were within GC/MS quantitation limits.

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PFAS

Data Section



**QA/QC Review of Method 537 (Modified) PFAS
Data for ALS Group USA, Corp
Service Request: R2211927**

**5 Ground Water Samples, 1 Field Duplicate,
and 2 Equipment Blanks
Collected December 13-14, 2022**

Prepared by: Donald Anné
April 7, 2023

Geology
Hydrology
Remediation
Water Supply

Holding Times: The sample was extracted and analyzed within USEPA holding times.

Initial Calibration: The %RSDs for applicable target PFASs were below the allowable maximum (30%), as required.

Continuing Calibration: The %Ds for applicable target PFAS were below the allowable maximum (30%), as required.

Blanks: The analyses of method and equipment blanks reported target PFAS as not detected.

Surrogate Recovery: One of twenty-three surrogate recoveries for sample MW-4D was above QC limits. Positive results associated with this surrogate should be considered estimated (J) in the sample.

Four of twenty-three surrogate recoveries for sample MW-4D were below QC limits, but not below 10%. Five of twenty-three surrogate recoveries for sample Equipment Blank #1 were below QC limits, but not below 10%. Six of twenty-three surrogate recoveries for sample Equipment Blank #2 were below QC limits, but not below 10%. Five of twenty-three surrogate recoveries for sample MW-13S DUP were below QC limits, but not below 10%. One of twenty-three surrogate recoveries for sample MW-8D was below QC limits, but not below 10%. Positive and “not detected” results associated with these surrogates should be considered estimated (J or UJ respectively) in these samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Laboratory Control Sample: The percent recoveries for applicable target PFAS were within QC limits for aqueous samples LCS-208704 and LCS-208888.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for FtS 8:2 and PFHpS were above the allowable maximum and 2 of 2 percent recoveries (%Rs) for NEtFOSAA and PFDS were above QC limits for aqueous MS/MSD sample MW-16. The %Rs for NEtFOSAA and PFDS were above QC limits for aqueous spike sample MW-16. Sample MW-16 reported these PFAS as “not detected”; therefore, no action is taken.

Compound ID: Checked PFAS was within LC quantitation limits.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod
Extraction Method: E537 Mod

Analysis Lab Lot: LCMS2_221221A

Sample Name	Lab Code	13C2-FtS 6:2	13C2-PFDoA	13C2-PFHxA
		50 - 150	50 - 150	50 - 150
22121148-09A DUP	22121148-09A DUP	101	68.3	64.4
22121148-10A MS	22121148-10A MS	98.0	59.4	45.2 S *
MW-4D	22121784-02	150 S *	56.5	63.4
MW-3S	22121784-03	93.2	71.5	82.9
Equipment Blank #1	22121784-04	90.8	69.6	85.9
Equipment Blank #2	22121784-05	74.4	57.0	52.4
MW-13S	22121784-06	91.8	66.4	88.9
MW-13S Dup	22121784-07	71.2	63.6	49.9 S *
MW-8D	22121784-08	140	59.0	65.7
LCS-208704	LCS-208704	87.5	67.1	52.8
MBLK-208704	MBLK-208704	91.2	62.1	96.1

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod
Extraction Method: E537 Mod

Analysis Lab Lot: LCMS2_221221A

Sample Name	Lab Code	13C2-PFTeA	13C2-PFUnA	13C3-HFPO-DA
		50 - 150	50 - 150	50 - 150
22121148-09A DUP	22121148-09A DUP	81.1	78.3	51.4
22121148-10A MS	22121148-10A MS	84.1	76.2	49.9 S *
MW-4D	22121784-02	50.0	72.7	40.3 S *
MW-3S	22121784-03	104	82.3	63.1
Equipment Blank #1	22121784-04	94.2	81.9	58.2
Equipment Blank #2	22121784-05	75.4	83.4	65.4
MW-13S	22121784-06	85.8	73.3	51.3
MW-13S Dup	22121784-07	84.1	83.5	70.8
MW-8D	22121784-08	79.9	79.9	61.8
LCS-208704	LCS-208704	92.2	82.7	62.8
MBLK-208704	MBLK-208704	79.8	68.1	60.4

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod
Extraction Method: E537 Mod

Analysis Lab Lot: LCMS2_221221A

Sample Name	Lab Code	13C3-PFBS	13C4-PFBA	13C4-PFHpA
		50 - 150	50 - 150	50 - 150
22121148-09A DUP	22121148-09A DUP	79.1	70.3	91.8
22121148-10A MS	22121148-10A MS	52.1	51.7	50.5
MW-4D	22121784-02	71.7	67.3	100
MW-3S	22121784-03	85.3	81.0	116
Equipment Blank #1	22121784-04	85.8	83.8	112
Equipment Blank #2	22121784-05	60.8	60.3	57.6
MW-13S	22121784-06	89.2	81.1	124
MW-13S Dup	22121784-07	65.5	62.0	58.1
MW-8D	22121784-08	74.3	75.4	92.6
LCS-208704	LCS-208704	66.1	58.4	65.5
MBLK-208704	MBLK-208704	66.6	94.2	87.9

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod
Extraction Method: E537 Mod

Analysis Lab Lot: LCMS2_221221A

Sample Name	Lab Code	13C8-FOSA	18O2-PFHxS	d3-N-MeFOSA
		50 - 150	50 - 150	50 - 150
22121148-09A DUP	22121148-09A DUP	84.7	77.4	55.9
22121148-10A MS	22121148-10A MS	72.7	67.1	57.1
MW-4D	22121784-02	53.5	59.6	35.2 S *
MW-3S	22121784-03	93.3	80.0	67.1
Equipment Blank #1	22121784-04	92.0	84.1	60.5
Equipment Blank #2	22121784-05	71.8	66.5	57.4
MW-13S	22121784-06	80.4	76.7	55.9
MW-13S Dup	22121784-07	73.6	61.3	63.7
MW-8D	22121784-08	89.8	82.9	67.0
LCS-208704	LCS-208704	86.7	83.1	57.6
MBLK-208704	MBLK-208704	52.2	84.1	71.9

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod
Extraction Method: E537 Mod

Analysis Lab Lot: LCMS2_221221A

Sample Name	Lab Code	d5-N-EtFOSA	d5-N-EtFOSAA	d9-N-EtFOSE
		50 - 150	50 - 150	50 - 150
22121148-09A DUP	22121148-09A DUP	83.7	82.8	73.8
22121148-10A MS	22121148-10A MS	47.5 S *	74.9	59.4
MW-4D	22121784-02	47.1 S *	83.5	48.9 S *
MW-3S	22121784-03	82.2	95.1	82.9
Equipment Blank #1	22121784-04	67.5	85.0	74.0
Equipment Blank #2	22121784-05	46.7 S *	81.1	65.3
MW-13S	22121784-06	85.7	86.2	80.8
MW-13S Dup	22121784-07	55.2	85.5	69.9
MW-8D	22121784-08	75.6	88.6	75.1
LCS-208704	LCS-208704	57.9	87.8	77.2
MBLK-208704	MBLK-208704	57.9	50.2	67.2

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod
Extraction Method: E537 Mod

Analysis Lab Lot: LCMS2_221221A

Sample Name	Lab Code	13C2-FtS 8:2	13C2-PFDA	13C4-PFOA
		50 - 150	50 - 150	50 - 150
Equipment Blank #2	22121784-05	56.5	38.5 S *	42.9 S *
MW-13S	22121784-06	62.9	75.4	79.0
MW-13S Dup	22121784-07	63.1	40.4 S *	45.6 S *
MW-8D	22121784-08	59.9	49.9 S *	57.2
LCS-208704	LCS-208704	58.3	57.3	54.4
MBLK-208704	MBLK-208704	54.7		

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod
Extraction Method: E537 Mod

Analysis Lab Lot: LCMS2_221221A

Sample Name	Lab Code	13C4-PFOS	13C5-PFNA	13C5-PFPeA
		50 - 150	50 - 150	50 - 150
Equipment Blank #2	22121784-05	44.7 S *	44.2 S *	62.0
MW-13S	22121784-06	84.5	69.9	85.2
MW-13S Dup	22121784-07	40.9 S *	46.5 S *	65.1
MW-8D	22121784-08	61.6	52.0	75.9
LCS-208704	LCS-208704	52.8	66.1	55.4

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod
Extraction Method: E537 Mod

Analysis Lab Lot: LCMS2_221221A

Sample Name	Lab Code	d3-N-MeFOSAA	d7-N-MeFOSE
		50 - 150	50 - 150
Equipment Blank #2	22121784-05	47.8 S *	61.1
MW-13S	22121784-06	82.6	134
MW-13S Dup	22121784-07	54.1	63.6
MW-8D	22121784-08	59.6	101

ALS Group USA, Corp.
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QA/QC Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod
Extraction Method: E537 Mod

Analysis Lab Lot: LCMS2_221222A

Sample Name	Lab Code	13C4-PFOA	13C4-PFOS	13C5-PFNA
		50 - 150	50 - 150	50 - 150
MW-4D	22121784-02	56.3	60.3	53.4
MW-3S	22121784-03	131	62.8	74.9
Equipment Blank #1	22121784-04	57.4	60.5	44.7 S *

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod
Extraction Method: E537 Mod

Analysis Lab Lot: LCMS2_221222A

Sample Name	Lab Code	13C5-PFPeA	d3-N-MeFOSAA	13C5-PFPeA
		50 - 150	50 - 150	50 - 150
MW-4D	22121784-02	73.8	74.4	
MW-3S	22121784-03	86.4	72.0	84.5
Equipment Blank #1	22121784-04	42.0 S *	43.2 S *	53.0

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod
Extraction Method: E537 Mod

Analysis Lab Lot: LCMS2_221222A

Sample Name	Lab Code	13C2-PFDA 50 - 150
MW-3S	22121784-03	76.5
Equipment Blank #1	22121784-04	40.4 S *

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod
Extraction Method: E537 Mod

Analysis Lab Lot: LCMS2_221222A

Sample Name	Lab Code	d3-N-MeFOSAA 50 - 150
MW-3S	22121784-03	88.0
Equipment Blank #1	22121784-04	43.8 S *

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: N/A
Date Received: N/A
Date Analyzed: 12/28/2022
Date Extracted: 12/27/2022

Matrix Spike Summary
Organic LC

Sample Name: MW-16
Lab Code: MW-16
Analysis Method: E537 Mod
Prep Method: E537 Mod

Units: ng/L
Basis: Wet
AnalysisLabLot: LCMS2_221228B

22121784-01AMS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	0	34.38	27.25	126	63-162
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	0	27.47	27.61	99.5	61-165
N-Ethylperfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0	42.73 S	28.77	149*	61-135
N-Methylperfluorooctanesulfonamidoacetic Acid	0.457	38.45	28.77	132	65-136
Perfluorobutanesulfonic Acid (PFBS)	0.7031	28.49	25.45	109	72-130
Perfluorobutanoic Acid (PFBA)	2.704	36.71	28.77	118	73-129
Perfluorodecanesulfonic Acid (PFDS)	0	56.44 S	27.7	204*	53-142
Perfluorodecanoic Acid (PFDA)	0	31.69	28.77	110	71-129
Perfluorododecanoic Acid (PFDoA)	0.5713	31.69	28.77	108	72-134
Perfluoroheptanoic Acid (PFHpA)	0.6065	32.25	28.77	110	72-130
Perfluorohexanesulfonic Acid (PFHxS)	0.8262	23.85	26.17	88.0	68-131
Perfluorohexanoic Acid (PFHxA)	0.876	30.95	28.77	105	72-129
Perfluorononanoic Acid (PFNA)	0	31.34	28.77	109	69-130
Perfluorooctanesulfonamide (PFOSA)	0	29.21	28.77	102	67-137

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: N/A
Date Received: N/A
Date Analyzed: 12/28/2022
Date Extracted: 12/27/2022

Matrix Spike Summary
Organic LC

Sample Name: MW-16
Lab Code: MW-16
Analysis Method: E537 Mod
Prep Method: E537 Mod

Units: ng/L
Basis: Wet
AnalysisLabLot: LCMS2_221228B

22121784-01AMS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Perfluorooctanesulfonic Acid (PFOS)	0	34.78	26.71	130	65-140
Perfluorooctanoic Acid (PFOA)	1.075	32.39	28.77	109	71-133
Perfluoropentanoic Acid (PFPeA)	0.6211	33.95	28.77	116	72-129
Perfluorotetradecanoic Acid (PFTeA)	0	33.45	28.77	116	71-132
Perfluoroundecanoic Acid (PFUnA)	0	25.09	28.77	87.2	69-133

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: N/A
Date Received: N/A
Date Analyzed: 12/29/2022
Date Extracted: 12/27/2022

Matrix Spike Summary
Organic LC

Sample Name: MW-16
Lab Code: MW-16
Analysis Method: E537 Mod
Prep Method: E537 Mod

Units: ng/L
Basis: Wet
AnalysisLabLot: LCMS2_221229A

22121784-01AMS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Perfluoroheptanesulfonic Acid (PFHpS)	0	22.23	27.43	81.0	69-134

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: N/A
Date Received: N/A
Date Analyzed: 12/28/2022
Date Extracted: 12/27/2022

**Duplicate Matrix Spike Summary
Organic LC**

Sample Name: 22121784-01A
Lab Code: MW-16
Analysis Method: E537 Mod
Prep Method: E537 Mod

Units: ng/L
Basis: Wet
AnalysisLabLot: LCMS2_221228B

Analyte Name	Sample Result	Result	Matrix Spike 22121784-01AMS		Duplicate Matrix Spike 22121784-01AMSD		% Rec Limits	RPD	RPD Limit	
			Spike Amount	% Rec	Result	Spike Amount				% Rec
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	0	34.38	27.25	126	36.66	28.02	131	63-162	6.41	30
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	0	27.47	27.61	99.5	38.12 R	28.39	134	61-165	32.5*	30
N-Ethylperfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0	42.73 S	28.77	149*	41.92 S	29.6	142*	61-135	1.93	30
N-Methylperfluorooctanesulfonamidoacetic Acid	0.457	38.45	28.77	132	37.36	29.6	125	65-136	2.89	30
Perfluorobutanesulfonic Acid (PFBS)	0.7031	28.49	25.45	109	29.02	26.17	108	72-130	1.83	30
Perfluorobutanoic Acid (PFBA)	2.704	36.71	28.77	118	39.05	29.6	123	73-129	6.17	30
Perfluorodecane sulfonic Acid (PFDS)	0	56.44 S	27.7	204*	49.64 S	28.49	174*	53-142	12.8	30
Perfluorodecanoic Acid (PFDA)	0	31.69	28.77	110	34.07	29.6	115	71-129	7.24	30
Perfluorododecanoic Acid (PFDoA)	0.5713	31.69	28.77	108	33.08	29.6	110	72-134	4.29	30
Perfluoroheptanoic Acid (PFHpA)	0.6065	32.25	28.77	110	33.98	29.6	113	72-130	5.23	30
Perfluorohexanesulfonic Acid (PFHxS)	0.8262	23.85	26.17	88.0	33.06 R	26.91	120	68-131	32.4*	30
Perfluorohexanoic Acid (PFHxA)	0.876	30.95	28.77	105	33.9	29.6	112	72-129	9.1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: N/A
Date Received: N/A
Date Analyzed: 12/28/2022
Date Extracted: 12/27/2022

**Duplicate Matrix Spike Summary
Organic LC**

Sample Name: 22121784-01A
Lab Code: MW-16
Analysis Method: E537 Mod
Prep Method: E537 Mod

Units: ng/L
Basis: Wet
AnalysisLabLot: LCMS2_221228B

**Matrix Spike
22121784-01AMS**

**Duplicate Matrix Spike
22121784-01AMSD**

Analyte Name	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Perfluorononanoic Acid (PFNA)	0	31.34	28.77	109	32.95	29.6	111	69-130	4.99	30
Perfluorooctanesulfonamide (PFOSA)	0	29.21	28.77	102	28.89	29.6	97.6	67-137	1.11	30
Perfluorooctanesulfonic Acid (PFOS)	0	34.78	26.71	130	34.16	27.47	124	65-140	1.8	30
Perfluorooctanoic Acid (PFOA)	1.075	32.39	28.77	109	33.69	29.6	110	71-133	3.91	30
Perfluoropentanoic Acid (PFPeA)	0.6211	33.95	28.77	116	35.28	29.6	117	72-129	3.85	30
Perfluorotetradecanoic Acid (PFTeA)	0	33.45	28.77	116	32.43	29.6	110	71-132	3.08	30
Perfluoroundecanoic Acid (PFUnA)	0	25.09	28.77	87.2	28.96	29.6	97.9	69-133	14.3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: ALS - ROCHESTER
Project: R2211927
Sample Matrix: Water

Service Request: 22121784
Date Collected: N/A
Date Received: N/A
Date Analyzed: 12/29/2022
Date Extracted: 12/27/2022

**Duplicate Matrix Spike Summary
Organic LC**

Sample Name: 22121784-01A
Lab Code: MW-16
Analysis Method: E537 Mod
Prep Method: E537 Mod

Units: ng/L
Basis: Wet
AnalysisLabLot: LCMS2_221229A

Matrix Spike
22121784-01AMS

Duplicate Matrix Spike
22121784-01AMSD

Analyte Name	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Perfluoroheptanesulfonic Acid (PFHpS)	0	22.23	27.43	81.0	31.22 R	28.21	111	69-134	33.7*	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- J- = Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
- J+ = Analyte is present. Reported value may be biased high and associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

Polyfluorinated Alkyl Substances (PFAS) Acronyms

PFBA	Perfluorobutanoic acid
PFPeA	Perfluoropentanoic acid
PFHxA	Perfluorohexanoic acid
PFHpA	Perfluoroheptanoic acid
PFOA	Perfluorooctanoic acid
PFNA	Perfluorononanoic acid
PFDA	Perfluorodecanoic acid
PFUnA	Perfluoroundecanoic acid
PFDoA	Perfluorododecanoic acid
PFTriA or PFTrDA	Perfluorotridecanoic acid
PFTeA or PFTA	Perfluorotetradecanoic acid
PFBS	Perfluorobutanesulfonic acid
PFPeS	Perfluoropentanesulfonic acid
PFHxS	Perfluorohexanesulfonic acid
PFHpS	Perfluoroheptanesulfonic acid
PFOS	Perfluorooctanesulfonic acid
PFNS	Perfluorononanesulfonic acid
PFDS	Perfluorodecanesulfonic acid
FOSA	Perfluorooctane Sulfonamide
NMeFOSAA	N-methyl perfluorooctane sulfonamidoacetic acid
NEtFOSAA	N-ethyl perfluorooctane sulfonamidoacetic acid
4:2 FTS or 4:2	1H, 1H, 2H, 2H-perfluorohexanesulfonic acid
6:2 FTS or 6:2	1H, 1H, 2H, 2H-perfluorooctanesulfonic acid or 6:2 Fluorotelomersulfonate
8:2 FTS or 8:2	1H, 1H, 2H, 2H-perfluorodecanesulfonic acid or 8:2 Fluorotelomersulfonate

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