Environmental Monitoring Report

2023 Annual Report

Torrey Landfill (Closed)

Yates County, New York

Prepared for

Yates County Highway Department

939 Route 14A

Penn Yan, New York 14527

March 2024

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

Environmental Monitoring Report
2023 Annual Report

March 2024

Prepared for

Yates County Highway Department
939 Route 14A
Penn Yan, New York 14527

Prepared by

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

This document is printed on recycled paper

TABLE OF CONTENTS

Section **Page**

SAMPLE COLLECTION INFORMATION 1
Sampling Firm 1
Sampling Dates 1
Sampling Locations 1
2023 Parameters Tested 1
Field Determinations 2

SAMPLE TESTING 2
Laboratory Information 2

INTRODUCTION 3
Landfill Monitoring Network 3
Groundwater Monitoring Wells 3
Surface Watering Sampling Locations 4
Field Sampling Activities 4

ASSESSMENT OF MONITORING RESULTS 4
Upper Aquifer 4
Lower Aquifer 7
Surface Water 7
Landfill Inspection 8
Landfill Gas 8

QUALITY CONTROL 8
Duplicate Sample Comparison 8
Subcontractor Documentation 9
Usability Analysis 9

CONCLUSIONS 9

Tables

Table 1 Part 703 Standards Exceeded – Upper Aquifer Groundwater
Table 2 Part 703 Standards Exceeded – Lower Aquifer Groundwater
Table 3 Part 703 Standards Exceeded – Surface Water
Table 4 Action Levels Exceeded – Upper Aquifer Groundwater
Table 5 Action Levels Exceeded – Lower Aquifer Groundwater

TABLE OF CONTENTS – Continued

Figures

Figure 1 Site Map
Figure 2 Upper Aquifer Groundwater Contours – June 2023
Figure 3 Lower Aquifer Groundwater Contours – June 2023
Figure 4 Upper Aquifer Groundwater Contours – December 2023
Figure 5 Lower Aquifer Groundwater Contours – December 2023

Appendices

Appendix A Field Sampling Data Sheets
Appendix B Laboratory Analytical Reports (ALS)
Appendix C Historical Analytical Data
Appendix D Water Elevation Data
Appendix E Ted's Electric 2023 Reporting Logs/GottaDo Contracting, LLC Leachate Hauling Records
Appendix F Field Inspection Logs/Landfill Gas Monitoring Log/Calibration Sheets

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 21 and 22, 2023
Fourth Quarter: December 13 and 14, 2023

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)(3)] MW-17 [(2)]	PW-1 [(2)] PW-5 [(2)] PW-8 [(1)] PW-10 [(2)(4)] PZ-2 [(1)]	MW-8D [(2)] MW-12D [(4)(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 Water pump.

2023 Parameters Tested:

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

Monitoring Location	Second Quarter	Fourth Quarter
PW-5	R	R
PW-8	R	DRY
PW-10	R	R
MW-4D	R	R
MW-8D	R	R
MW-12D	R	R
MW-16	R	R
PZ-2	R	R
SW-1	R	R
SW-2	R	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: R2305581
- Fourth Quarter: R2311621 and E2311657

INTRODUCTION

This report presents the results of bi-annual landfill monitoring activities conducted during June and December 2023 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 2023 June and December analytical data were submitted into the NYSDEC EQuIS database on March 22, 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 2023 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 2023 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 un-named 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 2023 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.

In 2023 ALS erroneously sampled for two Routine monitoring events. In 2023 the Fourth Quarter monitoring event was scheduled to be a Baseline parameter event. In 2024, both semi-annual monitoring events will be Baseline monitoring events.

ASSESSMENT OF MONITORING RESULTS

Upper Aquifer

During the June and December 2023 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 Fourth Quarter 2023 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 2023 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 and total manganese
- PZ-3 – Total dissolved solids, total iron and total magnesium

A comparison of the 2023 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 2023 from the upgradient Upper Aquifer monitoring locations (Table 4):

- MW-1S – No exceedances
- MW-3S – No exceedances

- MW-4S – Nitrate-nitrogen, sulfate, calcium and total manganese
- PZ-3 – No exceedances

The 2023 monitoring results for the Upper Aquifer upgradient locations are generally consistent with historical results within each respective monitoring location. During the 2022 Fourth Quarter monitoring event MW-4S had elevated concentrations of COD, total calcium, total iron, total lead and total manganese observed and 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 in 2023 is again consistent with historical results.

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 the 2023 Fourth Quarter monitoring events. The following Part 703 groundwater standard exceedances were noted in 2023 within the downgradient Upper Aquifer monitoring locations (Table 1):

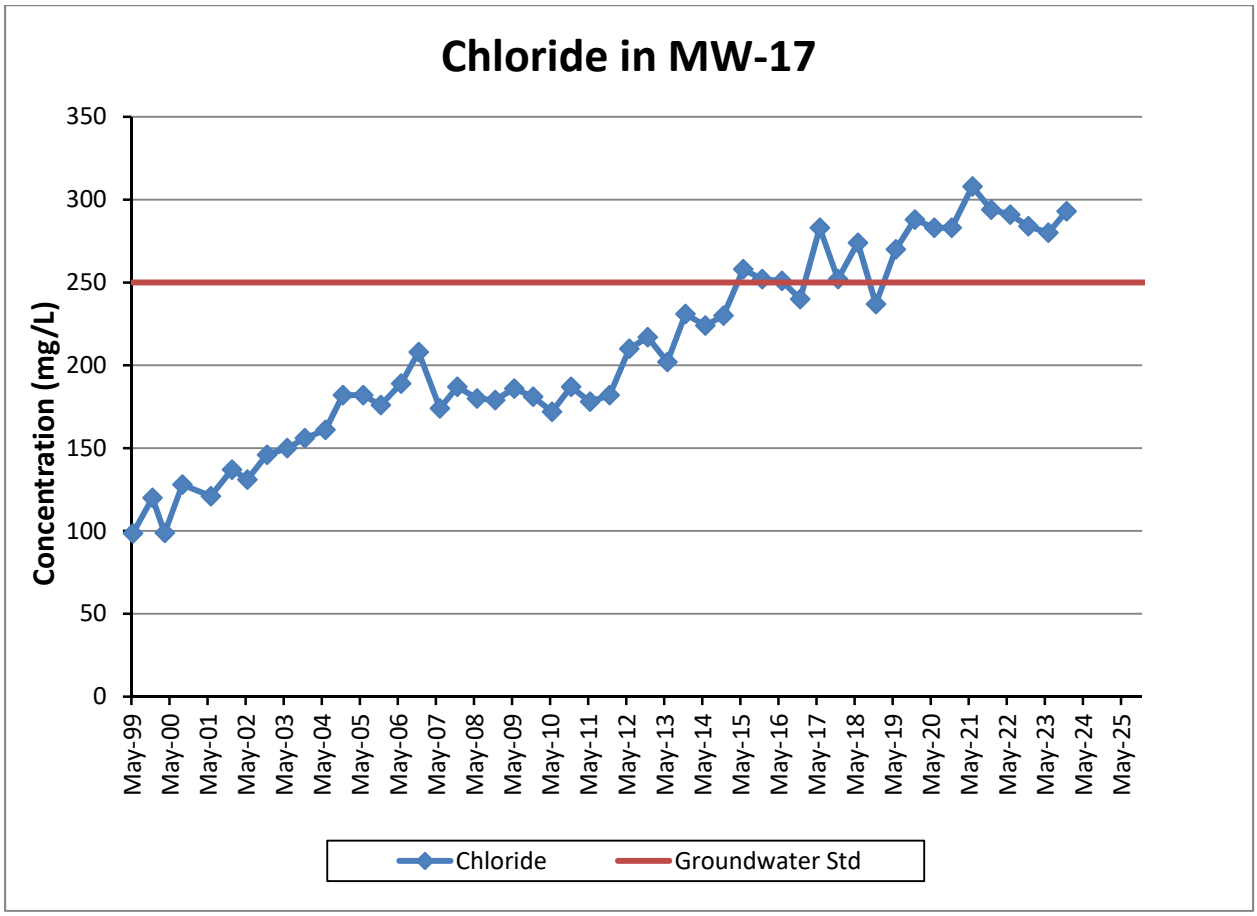
- MW-5S – Ammonia-nitrogen, total dissolved solids, total iron, total magnesium, total manganese, and total sodium
- MW-12M – Total iron
- MW-13S – Total iron
- MW-15 – Ammonia-nitrogen, total iron, total magnesium, and total sodium
- MW-16 – Total iron and total magnesium
- MW-17S – Chloride, total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

A comparison of the 2023 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 2023 from the downgradient Upper Aquifer monitoring locations (Table 4):

- MW-5S – TOC and total manganese
- MW-12M – No exceedances
- MW-13S – No exceedances
- MW-15 – No exceedances

- MW-16 – No exceedances
- MW-17 – No exceedances
- PZ-2 – Total hardness, sulfate, and total calcium
- PW-1– No exceedances
- 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.



The 2023 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 2023 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 2023 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 2023 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 2023 from the Lower Aquifer monitoring locations (Table 5):

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

The 2023 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 (40.9 mg/l) are well below the groundwater standard of 250 mg/L. The 2023 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.

Surface Water

The facility has two designated surface water locations. SW-1 represents upstream water quality and SW-2 represents downstream water quality. 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 and total iron during the 2023 monitoring events (Table 3). Downstream location SW-2 exceeded the class C surface water standards for total iron during the 2023 Second Quarter monitoring event. The surface water standard exceedances observed in 2023 are consistent with historical results. 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 2023 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 2023. The quarterly landfill inspection forms are included in Appendix F. A brief description of each observation is included below:

- 2023 First Quarter – The Landfill was observed to be in good condition. Historical settled areas observed to be consistent with previous inspection. It was observed that the County removed vegetation from the perimeter fence in several locations and from within the leachate tank secondary containment area.
- 2023 Second Quarter – The landfill was observed to be in good condition. Historical settled areas observed to be consistent with previous inspection.
- 2023 Third Quarter –Landfill was observed to be in good condition. Historical settled areas observed to be consistent with previous inspection. The steal casing at PZ-2 is loose and will likely need future surface seal repairs, however is in good condition currently.
- 2023 Fourth Quarter – Landfill was observed to be in good condition. Historical settled areas observed to be consistent with previous inspection. Several settled areas were filled in the northeastern portion of the landfill with fill material. One gas vent was damaged and laying on the cap in the vicinity of the filled settled areas, presumably hit during these activities.

Landfill Gas

Landfill gas sampling was conducted during the August 2023 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. 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:

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

RPD = Relative Percent Difference
D = Difference between 2 measurements
M = Mean of 2 measurements

Duplicate samples were collected in 2023 from MW-16 in June and from MW-12D in December. During this monitoring event there were three RDP exceedances observed, which include:

- MW-16 – TOC RPD 25%
- MW-16 – Total Iron – RPD 30%
- MW-12D – BOD – RPD 89%

The BOD results for MW-12D were ran outside of laboratory hold time so Overall, the June and December 2023 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 2023.

Usability Analysis

Data validation was not completed in 2023 because both monitoring events consisted of routine parameter events. In 2024, both semi-annual events will consist of baseline parameter events and will both require data validation. The internal laboratory case narrative associated with the ALS data review is attached in Appendix B. Overall the case narrative reviews identified no significant analogies, and most of the issues identified were in both 2023 Fourth Quarter analytical reports where the dilution water blank did not meet the method guidance for dissolved oxygen depletion for BOD analysis.

CONCLUSIONS

The collection of the June and December 2023 rounds of groundwater samples at the Yates County Torrey Landfill represents continued post-closure data for the site. The June and December 2023 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 2024 monitoring event, which will be a Part 360 Baseline parameter sampling event.

Tables

TABLE 1

2023 - 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	-	-	-	-	-	-	3.35	3.41
Chloride	250 mg/L	-	-	-	-	-	-	-	-
Total Dissolved Solids	500 mg/L	-	-	521	557	919	827	820	801
Iron - T	0.3 mg/L	2.0	1.7	0.5	0.5	2.6	2.7	34.0	33.8
- D		-	-	-	-	-	-	-	-
Magnesium - T	[35] mg/L	38.5	38.3	87.8	93.5	66.8	60.0	54.8	54.8
- D		-	-	-	-	-	-	-	-
Manganese - T	0.3 mg/L	-	-	-	-	1.6	1.1	0.7	0.8
- D		-	-	-	-	-	-	-	-
Sodium - T	20 mg/L	-	-	22.7	27.5	-	-	93.7	96.7
- D		-	-	-	-	-	-	-	-

TABLE 1

2023 - 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	-	-	-	-	16.60	16.40	-	-
Chloride	250 mg/L	-	-	-	-	-	-	-	-
Total Dissolved Solids	500 mg/L	-	-	-	-	-	-	-	-
Iron - T	0.3 mg/L	0.3	1.1	-	0.8	8.3	6.0	1.0	6.0
- D		-	-	-	-	-	-	-	-
Magnesium - T	[35] mg/L	-	-	-	-	39.6	36.6	-	37.7
- D		-	-	-	-	-	-	-	-
Manganese - T	0.3 mg/L	-	-	-	-	-	-	-	-
- D		-	-	-	-	-	-	-	-
Sodium - T	20 mg/L	-	-	-	-	39.0	41.4	-	-
- D		-	-	-	-	-	-	-	-

TABLE 1

2023 - 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	-	-	3.21	3.05	-	-	-	-
Chloride	250 mg/L	280	293	406	-	-	-	-	-
Total Dissolved Solids	500 mg/L	923	891	1940	1820	751	724	604	553
Iron - T	0.3 mg/L	-	-	15.0	15.3	1.5	1.5	-	1.2
- D		-	-	-	-	-	-	-	-
Magnesium - T	[35] mg/L	134	131.0	123	119.0	62.8	70.9	42.1	48.4
- D		-	-	-	-	-	-	-	-
Manganese - T	0.3 mg/L	-	-	0.6	0.6	-	-	1.1	1.0
- D		-	-	-	-	-	-	-	-
Sodium - T	20 mg/L	30.5	33.6	316.0	312.0	-	-	34.3	51.6
- D		-	-	-	-	-	-	-	-

TABLE 1

2023 - 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	4TH QUARTER	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER
Ammonia-nitrogen	2.0 mg/L	-	2.11	-	-	-	-		
Chloride	250 mg/L	-	-	-	-	-	-		
Total Dissolved Solids	500 mg/L	-	-	775	-	-	-		
Iron - T	0.3 mg/L	-	-	1.8	-	-	-		
- D		-	-	-	-	-	-		
Magnesium - T	[35] mg/L	-	-	52.2	-	-	41.7		
- D		-	-	-	-	-	-		
Manganese - T	0.3 mg/L	-	-	-	-	-	-		
- D		-	-	-	-	-	-		
Sodium - T	20 mg/L	-	-	39.9	-	-	-		
- D		-	-	-	-	-	-		

TABLE 2

2023 - 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	2.35	2.45	3.91	3.85	5.30	5.72		
Phenols	0.005 mg/L	-	-	-	-	0.007	0.005		
pH	6.5-8.5 Std Units	-	-	-	-	11.89	11.61		
Total Dissolved Solids	500 mg/L	803	779	-	-	-	-		
Iron - T - D	0.3 mg/L	5.03 -	3.20 -	4.20 -	3.80 -	- -	- -		
Sodium - T - D	20 mg/L	295 -	284 -	63 -	70 -	86 -	96 -		

TABLE 3

2023 - 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	4TH QUARTER	2ND QUARTER	4TH QUARTER				
Total Dissolved Solids	500 mg/L	553	533	-	-				
Iron - T - D	0.3 mg/L	0.70 -	1.48 -	0.38 -	- -				

TABLE 4
2023 - ACTION LEVEL EXCEEDANCES
YATES COUNTY - TORREY LANDFILL (CLOSED)
UPPER AQUIFER GROUNDWATER

PARAMETER	ACTION LEVELS	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
Hardness	1000 mg/L	-	-	-	-	-	-	-	-
Nitrate-Nitrogen	2.8 mg/L	-	-	-	-	6.30	6.60	-	-
Total Organic Carbon	39.6 mg/L	-	-	-	-	-	-	51.30	-
Sulfate	142 mg/L	-	-	-	-	152	-	-	-
Calcium - T	200 mg/L	-	-	-	-	207.0	-	-	-
Manganese - T	1.5 mg/L	-	-	-	-	1.62	-	-	0.7890

TABLE 4
2023 - ACTION LEVEL EXCEEDANCES
YATES COUNTY - TORREY LANDFILL (CLOSED)
UPPER AQUIFER GROUNDWATER

PARAMETER	ACTION LEVELS	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
Hardness	1000 mg/L	-	-	-	-	-	-	-	-
Nitrate-Nitrogen	2.8 mg/L	-	-	-	-	-	-	-	-
Total Organic Carbon	39.6 mg/L	-	-	-	-	-	-	-	-
Sulfate	142 mg/L	-	-	-	-	-	-	-	-
Calcium - T	200 mg/L	-	-	-	-	-	-	-	-
Manganese - T	1.5 mg/L	-	-	-	-	-	-	-	-

TABLE 4
2023 - ACTION LEVEL EXCEEDANCES
YATES COUNTY - TORREY LANDFILL (CLOSED)
UPPER AQUIFER GROUNDWATER

PARAMETER	ACTION LEVELS	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
Hardness	1000 mg/L	-	-	1060	1030	-	-	-	-
Nitrate-Nitrogen	2.8 mg/L	-	-	-	-	-	-	-	-
Total Organic Carbon	39.6 mg/L	-	-	-	-	-	-	-	-
Sulfate	142 mg/L	-	-	214	-	-	-	-	-
Calcium - T	200 mg/L	-	-	222.0	217.0	-	-	-	-
Manganese - T	1.5 mg/L	-	-	-	-	-	-	-	-

TABLE 4
2023 - ACTION LEVEL EXCEEDANCES
YATES COUNTY - TORREY LANDFILL (CLOSED)
UPPER AQUIFER GROUNDWATER

PARAMETER	ACTION LEVELS	UPPER AQUIFER MONITORING WELL LOCATION							
		PW-5		PW-8		PW-10		--	
		2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER	2ND QUARTER	4TH QUARTER
Hardness	1000 mg/L	-	-	-	-	-	-		
Nitrate-Nitrogen	2.8 mg/L	-	-	-	-	-	-		
Total Organic Carbon	39.6 mg/L	-	-	-	-	-	-		
Sulfate	142 mg/L	-	-	-	-	-	-		
Calcium - T	200 mg/L	-	-	-	-	-	-		
Manganese - T	1.5 mg/L	-	-	-	-	-	-		

TABLE 5

2023 - ACTION LEVEL EXCEEDANCES
YATES COUNTY - TORREY LANDFILL (CLOSED)
LOWER AQUIFER GROUNDWATER

PARAMETER	Lower Aquifer ACTION LEVELS	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
Chloride	11 mg/L	-	-	37.2	40.9	-	-		
Total Organic Carbon	30.7 mg/L	45.7	-	-	-	-	-		

Figures

DOWNEY RD

LONG POINT RD

LEACH RD

mw-5s

mw-15

mw-16

mw-8d

pumpwell 3

pumpwell 2

pumpwell 1

pumpwell 4

pumpwell 5

pumpwwell 6

pz-10

pz-9

pumpwell 7

pumpwell 8

pumpwell 9

pz-8

pz-7

pumpwelll 10

BUILDING #1

BUILDING #2

BUILDING #3

LEACHATE TANKS

pz-2

mw-4s

mw-4d

mw-12d

mw-12m

mw-3s

mw-13s

PUMP STATION #1

mw-17

sw-1

mw-1s

pz-3

sw-2

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

Legend

Well Network

N

W E

S

1 inch = 300 feet

Torrey Landfill

Site Map

Yates County New York

Figure 1

Project No. 171.030.023

Path: K:\Projects\100\171030\Projects\RLV GPS pts.mxd

UPPER AQUIFER MONITORING POINTS
GROUNDWATER CONTOURS - JUNE 2023

TORREY LANDFILL
LONG POINT ROAD
TOWN OF TORREY
YATES COUNTY, NEW YORK

N

NOTE: GW CONTOUR INTERCEPTS TOPOGRAPHIC CONTOUR

STEEL GUIDE RAIL

LONG ROAD

TRANSFER PUMP STATION

EDGE OF PAVEMENT

MW-5S 566.60

MW-16 601.99

NEW LOCATION OF NORTHWEST LEACHATE PUMP STATION F.F. 619.0

MW-15 603.31

MW-8D

PW-1 573.20

PW-2

PW-3

PW-4

PW-5 565.87

PW-6

PW-7

PW-8 NA

PW-9

PW-10

MW-9S

NORTHEAST GROUNDWATER COLLECTION PUMP STATION

PZ-10

PZ-9

PZ-8

PZ-7

PZ-2 601.41

SG-1

SG-2

SG-3

SG-4

SG-5

SG-7

SG-8

SG-10

SG-11

END OF CHAIN LINK FENCE START OF ROW FENCE

APPROXIMATE ROUTE OF S20 LEACHATE PUMP STATION FEEDER

8" HDPE ACCESS ROAD CULVERT - 4 LOCATIONS (TYP.)

2"/4" HDPE FORCE MAIN 4' OFF ACCESS ROAD

12' WIDE GRAVEL ACCESS ROAD

MW-12M TOP OF PUMP

MW-12D

MW-13S TOP OF PUMP

RIGHT-OF-WAY FENCE 10' OFF ACCESS ROAD

MW-4S 627.47

MW-4D

MW-3S 655.13

MW-1S 646.24

MW-17 583.02

SW-1

PZ-3 TOP OF PUMP

S20 LEACHATE PUMP STATION PUMP EL. 585.55

RAILROAD

CONRAIL

APPROXIMATE PROPERTY LINE

APPROXIMATE PROPERTY LINE

HEAVILY WOODED AREA

TREES AND BRUSH IN THIS AREA

WOODED AREA

BRUSH

48" OAK

BARBED WIRE FENCE LINE

100'

15'

600

580

620

640

LEGEND

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

250' 0 250'

1"=250'

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

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

Date
MARCH 2024

Scale
AS SHOWN

Figure Number
2

Project Number
171.030.023

Plotted: Mar 06, 2024 - 3:26PM SYR By: bas
Z:\BL-Vault\D2\18217AD2-1C71-4823-8927-9905C4054147\0\3077000-3077999\3077987\LL\171030_FIGS_GW_2023 (ID 3077987).dwg

LOWER AQUIFER MONITORING POINTS GROUNDWATER CONTOURS - JUNE 2023

TORREY LANDFILL
LONG POINT ROAD
TOWN OF TORREY
YATES COUNTY, NEW YORK

N

STEEL GUIDE RAIL
LONG
EDGE OF PAVEMENT
ROAD
RAILROAD
CONRAIL
MW-5S
MW-4S
MW-4D 542.65
MW-3S
MW-1S
MW-16
MW-15
MW-8D 522.47
MW-12M
MW-12D 540.78
MW-13S
MW-17
PW-1
PW-2
PW-3
PW-4
PW-5
PW-6
PW-7
PW-8
PW-9
PW-10
PZ-2
PZ-3
PZ-7
PZ-8
PZ-9
PZ-10
SG-1
SG-2
SG-3
SG-4
SG-5
SG-6
SG-7
SG-8
SG-10
SG-11
SG-12
SW-1
TRANSFER PUMP STATION
NEW LOCATION OF NORTHWEST LEACHATE PUMP STATION F.F. 619.0
NORTHEAST GROUNDWATER COLLECTION PUMP STATION
END OF CHAIN LINK FENCE START OF ROW FENCE
APPROXIMATE ROUTE OF S20 LEACHATE PUMP STATION FEEDER
8" HDPE ACCESS ROAD CULVERT — 4 LOCATIONS (TYP.)
2"/4" HDPE FORCE MAIN 4' OFF ACCESS ROAD
12' WIDE GRAVEL ACCESS ROAD
RIGHT-OF-WAY FENCE 10' OFF ACCESS ROAD
APPROXIMATE PROPERTY LINE
S20 LEACHATE PUMP STATION PUMP EL. 585.55
525
530
535
540
HEAVILY WOODED AREA
TREES AND BRUSH IN THIS AREA
WOODED AREA
BRUSH
48" OAK
100'
15'

LEGEND

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

250' 0 250'
1"=250'

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

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

Date
MARCH 2024

Scale
AS SHOWN

Figure Number
3

Project Number
171.030.023

Plotted: Mar 06, 2024 - 3:24PM SYR By: bas
Z:\BL-Vault\D2\18217AD2-1C71-4823-8927-9905C4054147\0\3077000-3077999\3077987\LL\171030_FIGS_GW_2023 (ID 3077987).dwg

UPPER AQUIFER MONITORING POINTS
GROUNDWATER CONTOURS - DECEMBER 2023

TORREY LANDFILL
LONG POINT ROAD
TOWN OF TORREY
YATES COUNTY, NEW YORK

N

NOTE: GW CONTOUR INTERCEPTS TOPOGRAPHIC CONTOUR

STEEL GUIDE RAIL

LONG ROAD

EDGE OF PAVEMENT

TRANSFER PUMP STATION

MW-5S 565.86

MW-8D

MW-15 603.12

MW-16 NA

NEW LOCATION OF NORTHWEST LEACHATE PUMP STATION F.F. 619.0

PZ-2 601.11

PW-1 573.86

PW-2

PW-3

PW-4

PW-5 562.11

PW-6

PW-7

PW-8 573.92

PW-9

PW-10 580.75

PZ-10

PZ-9

PZ-8

PZ-7

NORTHEAST GROUNDWATER COLLECTION PUMP STATION

MW-9S

END OF CHAIN LINK FENCE START OF ROW FENCE

SG-1 TOP OF SLOPE

SG-2

SG-3

SG-4

SG-5

SG-6

SG-7

SG-8

SG-10

SG-11

15'

100'

APPROXIMATE ROUTE OF S20 LEACHATE PUMP STATION FEEDER

8" HDPE ACCESS ROAD CULVERT – 2 LOCATIONS (TYP.)

2"/4" HDPE FORCE MAIN 4' OFF ACCESS ROAD

12' WIDE GRAVEL ACCESS ROAD

RIGHT-OF-WAY FENCE 10' OFF ACCESS ROAD

MW-4S 626.95

MW-4D

MW-12M 606.80

MW-12D

MW-3S 654.33

MW-13S 596.48

MW-1S 639.75

MW-17 583.10

SW-1

PZ-3 602.89

S20 LEACHATE PUMP STATION PUMP EL. 585.55

RAILROAD

CONRAIL

APPROXIMATE PROPERTY LINE

APPROXIMATE PROPERTY LINE

HEAVILY WOODED AREA

BRUSH

TREES AND BRUSH IN THIS AREA

WOODED AREA

48" OAK

ONT-66-12-2389-102 (UNKNOWN TRIBUTARY)

ONT-66-12-2389-102 (UNKNOWN TRIBUTARY)

BARBED WIRE FENCE LINE

580

600

620

640

LEGEND

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

250' 0 250'

1"=250'

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

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

Date
MARCH 2024

Scale
AS SHOWN

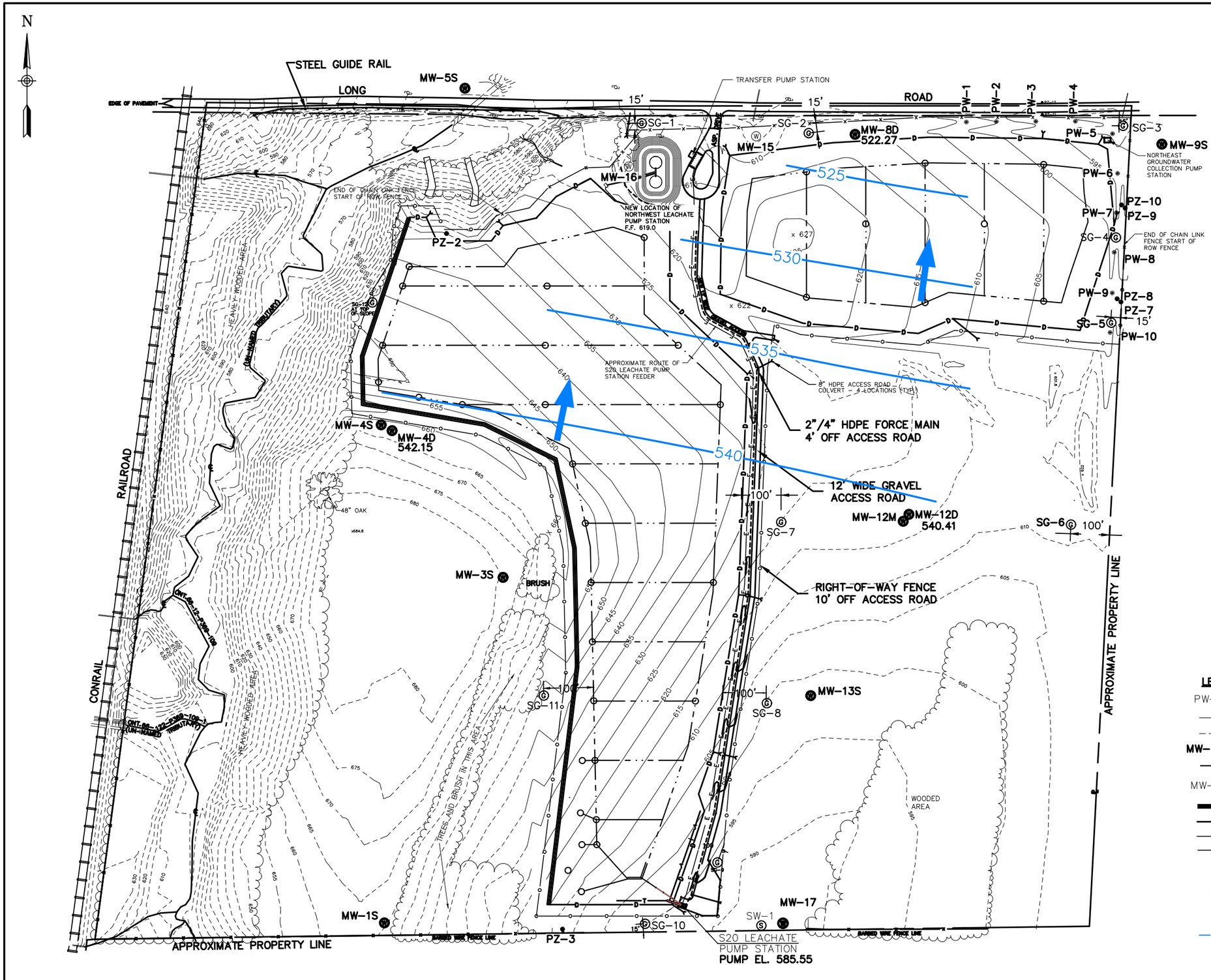
Figure Number
4

Project Number
171.030.023

Plotted: Mar 06, 2024 - 3:19PM SYR By: bas
Z:\BL-Vault\D2\18217AD2-1C71-4823-8927-9905C4054147\0\3077000-3077999\3077987\LL\171030_FIGS_GW_2023 (ID 3077987).dwg

LOWER AQUIFER MONITORING POINTS
GROUNDWATER CONTOURS - DECEMBER 2023

TORREY LANDFILL
LONG POINT ROAD
TOWN OF TORREY
YATES COUNTY, NEW YORK



LEGEND

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

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

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

Date
MARCH 2024

Scale
AS SHOWN

Figure Number
5

Project Number
171.030.023

Plotted: Mar 06, 2024 - 3:16PM SYR By: bas
Z:\BL-Vault\D2\18217AD2-1C71-4823-8927-9905C4054147\0\3077000-3077999\3077987\LL\171030_FIGS_GW_2023 (ID 3077987).dwg

Appendix A

FIELD MONITORING REPORT

PROJECT Torrey Land Fill Semi-annual wells LAB ID 18

SAMPLE POINT ID MW-15

PURGE INFORMATION

Well Depth (ft.) 30.22 Purge Date 6/21/2023 Purge Method Bailer

SWL (ft.) 16.46 Start Time 1137 Stop Time 1147

Standing Water (ft.) 13.76 Volume Purged gal. 6.6 # casings 3.0

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

Well Volume (gal.) 2.2 Tan

SAMPLING INFORMATION

Sample Method Bailer

Date 6/22/2023 Time 0935 SWL 18.33

Appearance Light Tan Light Turbid

Weather Conditions Partly cloudy 70°

Sampling Technician (Print) Quinten Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.41	7.40
Myron 6p	Conductivity	µmhos/cm	714	715
Myron 6p	Temperature	Degrees Celsius	10.4	10.4
Myron 6p	Redox	millivolts	-43	—
Lamotte	Turbidity	NTU	14.1	—

Calibration Date/Time 6/22/2023 0705 pH = Conductivity =

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells **LAB ID** 17

SAMPLE POINT ID MW-3S

PURGE INFORMATION

Well Depth (ft.) 37.61 Purge Date 6/21/2023 Purge Method Bailer

SWL (ft.) 25.02 Start Time 1107 Stop Time 1116

Standing Water (ft.) 12.59 Volume Purged gal. 4.0 # casings 1.9 to Dry

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

Well Volume (gal.) 2.1

SAMPLING INFORMATION

Sample Method Bailer

Date 6/22/2023 Time 0910 SWL 36.09

Appearance Light Turbid Tan to Turbid Tan

Weather Conditions Partly Cloudy 65°

Sampling Technician (Print) Quinten Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.43	7.43
Myron 6p	Conductivity	µmhos/cm	915	916
Myron 6p	Temperature	Degrees Celsius	12.1	12.1
Myron 6p	Redox	millivolts	74	—
Lamotte	Turbidity	NTU	12.3	—

Calibration Date/Time 6 / 22 / 2023 0705 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells LAB ID 14+15 QC

SAMPLE POINT ID MW-4S QC

PURGE INFORMATION

Well Depth (ft.) 40.95 Purge Date 6/21/2023 Purge Method Waterra

SWL (ft.) 35.58 Start Time 0943 Stop Time 0944

Standing Water (ft.) 5.37 Volume Purged gal. 1.5 # casings 1.7 to Dry

Well Constant (gal/ft.) 0.163 Observations Clear to Light Turb'd Tan

Well Volume (gal.) 0.9

SAMPLING INFORMATION QC2023

Sample Method ~~Bailer~~ Waterra

Date 6/22/2023 Time 0800 SWL 35.94

Appearance Light Tan Tint Turb'd

Weather Conditions Mostly Cloudy 60°

Sampling Technician (Print) Quinton Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.75	6.74
Myron 6p	Conductivity	µmhos/cm	1378	1378
Myron 6p	Temperature	Degrees Celsius	11.8	11.8
Myron 6p	Redox	millivolts	111	—
Lamotte	Turbidity	NTU	7.2	—

Calibration Date/Time 6/22/2023 0705 pH = Conductivity =

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID MW-5S LAB ID 1

DATE 6/21/23 INITIAL SWL 8.20 CREW KF, KL SAMPLE TIME 0915

DEVICE QED MP 50 WEATHER 70°F sunny

TIME	SWL	FLOW	PH	COND	TEMP.c	REDOX	TURBIDITY	D.O. mg/L
0855	8.20	120	-	-	-	-	-	KF -
0905	12.45	120	6.99	1498	12.9	-153	7.8	~~6.6~~ 0.65
0910	14.00	120	7.03	1495	12.4	-158	8.5	0.62
0915	15.40	120	7.05	1493	12.2	-158	7.8	0.49

Flow rates in ml/min

Calibration: 6/21/23 **Time:** 0850 pH = 7.00 4.00 10.00 Conductivity = 1414 µS cal to 1414 µS

Turbidity = 0.0/10.0

OBSERVATIONS:

LOW FLOW MONITORING REPORT

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

DATE 6/22/23 INITIAL SWL 10.34 CREW KF SAMPLE TIME 0910

DEVICE QED MP 50 WEATHER 63°F Cloudy

TIME	SWL	FLOW	PH	COND	TEMP	REDOX	TURBIDITY	D.O.
0845	10.34	120	-	-	-	-	-	-
KF ~~105~~ 0855	13.73	120	7.40	710	11.9	-94	4.0	1.36
0900	14.95	120	7.48	710	11.9	-86	3.2	0.96
0905	15.88	120	7.49	708	11.9	-83	3.0	0.72
0910	16.88	120	7.50	707	11.9	-87	2.3	0.70

Flow rates in ml/min

OBSERVATIONS

Calibration: 6/22/23 0835

pH: 7.00 4.00 10.00

Sc: 1414µs Set to 1414µs

Turbidity: 0.0/10.0

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID MW-13S LAB ID 7

DATE 6/22/23 INITIAL SWL 7.60 CREW KF, KL SAMPLE TIME 1005

DEVICE QED MP 50 WEATHER 65°F Cloudy

TIME	SWL	FLOW	PH	COND	TEMP	REDOX	TURBIDITY	D.O.
0945	7.60	120	–	–	–	–	KF	–
0950	8.00	120	7.47	636	12.3	97	~~1.09~~ 36	1.69
0955	8.50	120	7.37	648	12.3	89	9.9	1.20
1000	9.00	120	7.36	651	12.3	85	6.8	1.99
1005	9.50	120	7.35	653	12.3	87	6.2	1.14

Flow rates in ml/min

OBSERVATIONS

LOW FLOW MONITORING REPORT

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

DATE 6/21/23 INITIAL SWL 3.39 CREW KF SAMPLE TIME 1015

DEVICE QED MP 50 WEATHER 70°F Sunny

TIME	SWL	FLOW	PH	COND	TEMP°c	REDOX	TURBIDITY	D.O. mg/L
0940	3.39	120	—	—	—	—	—	—
0945	5.63	120	6.97	970	12.0	-96	68.4	0.94
0950	6.45	120	7.00	960	11.8	-99	19.8	0.45
0955	6.25	120	7.00	956	12.3	-98	14.6	0.72
1000	6.30	120	6.99	955	12.2	-98	8.7	0.62
1005	6.55	120	6.99	951	12.0	-97	4.5	0.47
1010	6.65	120	6.98	952	12.0	-97	3.3	0.48
1015	6.75	120	6.98	950	12.0	-96	3.2	0.46

Flow rates in ml/min

Calibration: 6/21/23 **Time:** 0855 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells LAB ID 11 + 12 Dup

SAMPLE POINT ID MW-16 Dup

PURGE INFORMATION

Well Depth (ft.) 22.05 Purge Date 6/21/2023 Purge Method Bailer

SWL (ft.) 16.51 Start Time 0848 Stop Time 0852

Standing Water (ft.) 5.54 Volume Purged gal. 2.7 # casings 3.0

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

Well Volume (gal.) 0.9

SAMPLING INFORMATION

Sample Method Bailer

Date 6/22/2023 Time 0715 SWL 16.57

Appearance Light Turbid to Turbid Tan

Weather Conditions Mostly Sunny 60°

Sampling Technician (Print) Quinten Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.32	7.25
Myron 6p	Conductivity	µmhos/cm	658	661
Myron 6p	Temperature	Degrees Celsius	11.9	12.0
Myron 6p	Redox	millivolts	113	110
Lamotte	Turbidity	NTU	20.2	14.4

Calibration Date/Time 6/22/2023 0705 pH = 7.00/4.00/10.00 Conductivity = 1411 set 1411

Turbidity = 0.0/10.0

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID MW-17 LAB ID 8

DATE 6/22/23 INITIAL SWL 5.08 CREW KF, KL SAMPLE TIME 1110

DEVICE QED MP 50 WEATHER 68°F P. cloudy

TIME	SWL	FLOW	PH	COND	TEMP	REDOX	TURBIDITY	D.O.
1040	5.08	120	—	—	—	—	—	—
1045	8.22	120	7.40	1734	12.2	-33	3.2	2.44
1050	11.00	120	7.26	1721	12.4	28	2.0	2.07
1055	11.75	120	7.26	1736	12.4	52	2.4	2.05
1100	11.75	120	7.25	1744	12.4	58	2.2	1.55
1105	11.75	120	7.24	1743	12.2	65	2.0	1.21
1110	11.75	120	7.24	1734	12.2	68	1.7	1.11

Flow rates in ml/min

OBSERVATIONS

FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells LAB ID 13

SAMPLE POINT ID PZ-2

PURGE INFORMATION

Well Depth (ft.) 37.14 Purge Date 6/21/2023 Purge Method Bailer

SWL (ft.) 34.44 Start Time 0920 Stop Time 0923

Standing Water (ft.) 2.70 Volume Purged gal. 1.2 # casings 3.0

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

Well Volume (gal.) 0.4 to Light Tan Tint

SAMPLING INFORMATION

Sample Method Bailer

Date 6/22/2023 Time 0735 SWL 34.65

Appearance Clear to Light Tan Tint

Weather Conditions Mostly Sunny 60°

Sampling Technician (Print) Quinton Kolbek Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.88	6.88
Myron 6p	Conductivity	µmhos/cm	3144	3144
Myron 6p	Temperature	Degrees Celsius	11.4	11.4
Myron 6p	Redox	millivolts	-112	—
Lamotte	Turbidity	NTU	4.7	—

Calibration Date/Time 6/22/2023 0705 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID PZ-3 LAB ID 9

DATE 6/22/23 INITIAL SWL 6.95 CREW KF, KL SAMPLE TIME 1200

DEVICE QED MP 50 WEATHER 70°F P. Cloudy

TIME	SWL	FLOW	PH	COND	TEMP	REDOX	TURBIDITY	D.O.
1140	6.95	120	—	—	—	—	—	—
1145	8.30	120	6.93	1277	11.8	-108	2.5	1.30
1150	8.50	120	6.89	1260	11.8	-109	2.3	1.29
1155	8.60	120	6.90	1260	11.8	-110	2.3	1.23
1200	8.85	120	6.90	1234	11.8	-117	1.9	1.04

Flow rates in ml/min

OBSERVATIONS

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID PW-2 LAB ID 3

DATE 6/21/23 INITIAL SWL ~~22.43~~ 21.43 KF CREW KF SAMPLE TIME 1150

DEVICE QED MP 50 WEATHER 75°F Mostly Sunny

TIME	SWL ~~22.43~~ 21.43 KF	FLOW	PH	COND	TEMP °C	REDOX	TURBIDITY	D.O. mg/L
1120	~~22.43~~	120	-	-	-	-	-	-
1130	21.96	120	6.71	1122	14.2	92	2.3	0.78
1135	22.18	120	6.68	1117	13.8	103	2.2	0.57
1140	22.44	120	6.68	1099	13.5	111	2.2	0.41
1145	22.77	120	6.67	1097	13.5	116	1.0	0.37
1150	23.02	120	6.71	1096	13.5	107	2.1	0.36

Flow rates in ml/min

Calibration: 6/21/23 **Time:** 0855 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID PW-5 LAB ID 5

DATE 6/21/23 INITIAL SWL 21.03 CREW KF, RK SAMPLE TIME 1330

DEVICE QED MP 50 WEATHER 76°F Mostly Sunny

TIME	SWL	FLOW	PH	COND	TEMP°c	REDOX	TURBIDITY	D.O. mg/L
1305	21.03	120	-	-	-	-	-	-
1310	21.57	120	7.03	807	12.3	143	3.3	0.92
1315	21.86	120	6.90	803	11.8	110	2.9	0.59
1320	21.82	120	6.86	803	11.8	105	2.7	0.44
1325	21.82	120	6.85	801	11.8	104	2.9	0.39
1330	21.82	120	6.85	803	11.8	104	2.3	0.39

Flow rates in ml/min

Calibration: 6/21/23 **Time:** 0855 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells **LAB ID** 20

SAMPLE POINT ID PW-8

PURGE INFORMATION

Well Depth (ft.) 23.92 Purge Date 6/21/2023 Purge Method Pump

SWL (ft.) 20.94 Start Time 1248 Stop Time 1249

Standing Water (ft.) 2.98 Volume Purged gal. 1.9 # casings 1.0 to Dry

Well Constant (gal/ft.) 0.653 Observations Clear to Light Turb's

Well Volume (gal.) 1.9 Gray

SAMPLING INFORMATION

Sample Method Bailer

Date 6/22/2023 Time 1030 SWL 20.94

Appearance Clear to Turbid Gay / Black

Weather Conditions Mostly Sunny 70°

Sampling Technician (Print) Quinton Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.24	7.24
Myron 6p	Conductivity	µmhos/cm	1292	1293
Myron 6p	Temperature	Degrees Celsius	10.6	10.6
Myron 6p	Redox	millivolts	-46	—
Lamotte	Turbidity	NTU	10.3	—

Calibration Date/Time 6/22/2023 0705 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID PW-10 LAB ID 4

DATE 6 / 21 / 23 INITIAL SWL 24.08 CREW KF SAMPLE TIME 1250

DEVICE QED MP 50 WEATHER 76°F Mostly Sunny

TIME	SWL	FLOW	PH	COND	TEMP	REDOX	TURBIDITY	D.O.
1225	24.08	120	—	—	—	—	—	—
1230	24.58	120	7.49	662	10.2	155	1.5	4.86
1235	24.70	120	7.43	653	10.1	146	1.6	4.81
1240	24.96	120	7.41	647	10.0	129	2.2	4.67
1245	25.21	120	7.42	649	10.0	121	2.0	4.53
1250	25.44	120	7.43	649	10.0	119	2.1	4.45

Flow rates in ml/min

OBSERVATIONS

FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells **LAB ID** 16

SAMPLE POINT ID MW-4D

PURGE INFORMATION

Well Depth (ft.) 131.43 Purge Date 6/21/2023 Purge Method Bailer

SWL (ft.) 119.85 Start Time 1000 Stop Time 1034

Standing Water (ft.) 11.58 Volume Purged gal. 5.7 # casings 3.0

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

Well Volume (gal.) 1.9

SAMPLING INFORMATION

Sample Method Bailer

Date 6/22/2023 Time 0830 SWL 121.22

Appearance Turbid Tan/Gray

Weather Conditions Mostly Cloudy 65°

Sampling Technician (Print) Quinton Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.55	7.55
Myron 6p	Conductivity	µmhos/cm	1257	1258
Myron 6p	Temperature	Degrees Celsius	12.4	12.4
Myron 6p	Redox	millivolts	-102	—
Lamotte	Turbidity	NTU	43.3	—

Calibration Date/Time 6 / 22 / 2023 0705 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID MW-8D LAB ID 10

DATE 6/22/23 INITIAL SWL 92.88 CREW KF, KL SAMPLE TIME 1325

DEVICE QED MP 50 WEATHER 70°F Cloudy

TIME	SWL	FLOW	PH	COND	TEMP	REDOX	TURBIDITY	D.O.
1245	92.88	120	—	—	—	—	—	—
1250	93.82	120	7.23	891	16.5	-123	9.6	1.10
1255	94.00	120	7.22	884	15.2	-135	8.1	0.84
1300	94.00	120	7.18	870	15.2	-139	6.6	0.94
1305	94.00	120	7.19	868	15.2	-139	5.1	1.62
1310	94.00	120	7.19	874	15.2	-139	6.6	1.78
1315	94.00	120	7.21	870	15.2	-136	5.4	1.27
1320	94.00	120	7.20	880	15.2	-136	4.7	1.18
1325	94.00	120	7.21	862	15.2	-134	4.6	1.02

Flow rates in ml/min

OBSERVATIONS

FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells **LAB ID** 19

SAMPLE POINT ID MW-12D

PURGE INFORMATION

Well Depth (ft.) 98.96 Purge Date 6/21/2023 Purge Method Bailer

SWL (ft.) 79.02 Start Time 1220 Stop Time 1234

Standing Water (ft.) 19.94 Volume Purged gal. 3.3 # casings 1.0 to Dry

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

Well Volume (gal.) 3.3 to Light Gray/Tan Turbid

SAMPLING INFORMATION

Sample Method Bailer

Date 6/22/2023 Time 1000 SWL 82.51

Appearance Light Turbid Light Tan

Weather Conditions Mostly Cloudy 70°

Sampling Technician (Print) Quinton Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	11.89	11.89
Myron 6p	Conductivity	µmhos/cm	1425	1424
Myron 6p	Temperature	Degrees Celsius	11.3	11.3
Myron 6p	Redox	millivolts	-204	—
Lamotte	Turbidity	NTU	10.3	—

Calibration Date/Time 6/22/2023 0705 **pH =** **Conductivity =**

OBSERVATIONS **Turbidity =**

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells **LAB ID** 21

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 6/22/2023 Time 1055 SWL —

Appearance Light Turbid Tan

Weather Conditions Mostly Sunny 70°

Sampling Technician (Print) Robert Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.73	7.73
Myron 6p	Conductivity	µmhos/cm	910	910
Myron 6p	Temperature	Degrees Celsius	15.3	15.3
Myron 6p	Redox	millivolts	56	—
Lamotte	Turbidity	NTU	12.4	—

Calibration Date/Time 6/22/2023 0705 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

DO: 3.76 mg/L

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells **LAB ID** 22

SAMPLE POINT ID Down Stream

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 6/22/2023 Time 1125 SWL —

Appearance Light Turb'd Tan

Weather Conditions Mostly Sunny 70°

Sampling Technician (Print) Quinton Kolbecke Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	8.23	8.23
Myron 6p	Conductivity	µmhos/cm	768	769
Myron 6p	Temperature	Degrees Celsius	17.0	17.0
Myron 6p	Redox	millivolts	84	—
Lamotte	Turbidity	NTU	6.4	—

Calibration Date/Time 6/22/2023 0705 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

DO: 8.58 mg/L

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Wells **LAB ID** 18

SAMPLE POINT ID MW-15

PURGE INFORMATION

Well Depth (ft.) 30.23 Purge Date 12/13/2023 Purge Method Bailer

SWL (ft.) 22.95 Start Time 1033 Stop Time 1040

Standing Water (ft.) 7.28 Volume Purged gal. 3.6 # casings 3.0

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

Well Volume (gal.) 1.2 Tan / Gray

SAMPLING INFORMATION

Sample Method Bailer

Date 12/14/2023 Time 0955 SWL 23.44

Appearance Light Turbid Tan to Turbid Tan

Weather Conditions Cloudy 30°

Sampling Technician (Print) Quinten Roibeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.40	7.40
Myron 6p	Conductivity	µmhos/cm	710	710
Myron 6p	Temperature	Degrees Celsius	10.6	10.6
Myron 6p	Redox	millivolts	47	—
Lamotte	Turbidity	NTU	19.5	—

Calibration Date/Time 12/14/2023 0800 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill wells **LAB ID** 17

SAMPLE POINT ID MW-3s

PURGE INFORMATION

Well Depth (ft.) 37.61 Purge Date 12/13/2023 Purge Method Bailer

SWL (ft.) 25.82 Start Time 1006 Stop Time 1013

Standing Water (ft.) 11.79 Volume Purged gal. 3.0 # casings 1.6 to Dry

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

Well Volume (gal.) 1.9

SAMPLING INFORMATION

Sample Method Bailer

Date 12/14/2023 Time 0930 SWL 35.55

Appearance Clear to Turb'd Tan

Weather Conditions Cloudy 30°

Sampling Technician (Print) Quinten Weibel Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.34	7.35
Myron 6p	Conductivity	µmhos/cm	969	970
Myron 6p	Temperature	Degrees Celsius	10.6	10.6
Myron 6p	Redox	millivolts	99	—
Lamotte	Turbidity	NTU	7.9	—

Calibration Date/Time 12/14/2023 0800 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Wells **LAB ID** 15

SAMPLE POINT ID MW-45

PURGE INFORMATION

Well Depth (ft.) 40.95 Purge Date 12/13/2023 Purge Method Waterra

SWL (ft.) 36.10 Start Time 0854 Stop Time 0855

Standing Water (ft.) 4.85 Volume Purged gal. 0.8 # casings 1.0 to Dry

Well Constant (gal/ft.) 0.163 Observations Clear

Well Volume (gal.) 0.8

SAMPLING INFORMATION

Sample Method Waterra

Date 12/14/2023 Time 0840 SWL 36.51

Appearance Light Tan Tint

Weather Conditions Partly Cloudy 30°

Sampling Technician (Print) Quinton Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.72	6.73
Myron 6p	Conductivity	µmhos/cm	1287	1288
Myron 6p	Temperature	Degrees Celsius	9.6	9.6
Myron 6p	Redox	millivolts	79	—
Lamotte	Turbidity	NTU	12.3	—

Calibration Date/Time 12/14/2023 0800 pH = Conductivity =

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill wells WELL ID MW-5s LAB ID 21

DATE 12/15/2023 INITIAL SWL 8.94 CREW QK SAMPLE TIME 1210

DEVICE QED MP 50 WEATHER Sunny 50°

TIME	SWL	FLOW	PH	COND	TEMP°c	REDOX	TURBIDITY	D.O. mg/L
1130	8.94	120	—	—	—	—	—	—
1140	7.08	120	6.79	1414	12.5	-107	27.8	0.57
1145	8.02	120	6.77	1402	12.5	-96	20.3	0.57
1150	7.04	120	6.76	1410	12.5	-93	21.5	0.66
1155	6.83	120	6.72	1464	12.6	-118	8.4	0.65
1200	7.53	120	6.70	1469	12.7	-124	5.4	0.70
1205	7.50	120	6.70	1474	12.6	-126	3.7	0.73
1210	7.48	120	6.71	1472	12.6	-128	3.4	0.75

Flow rates in ml/min

Calibration: 12/15/2023 **Time:** 0900 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID MW-12M LAB ID 1

DATE 12/14/2023 INITIAL SWL 12.55 CREW QK, KL SAMPLE TIME 1155

DEVICE QED MP 50 WEATHER Mostly Cloudy 35°

TIME	SWL	FLOW	PH	COND	TEMP°c	REDOX	TURBIDITY	D.O. mg/L
1126	12.55	120	—	—	—	—	—	—
1130	20.75	120	8.27	701	10.7	-89	5.5	1.01
1135	22.96	120	7.83	700	10.8	-84	5.3	0.93
1140	25.81	120	7.57	700	10.8	-81	4.4	1.16
1145	29.17	120	7.44	696	10.8	-78	4.4	1.83
1150	31.78	120	7.37	696	10.9	-76	4.0	2.08
1155	32.67	120	7.34	696	10.9	-76	3.2	2.23

Flow rates in ml/min

Calibration: 12/14/2023 **Time:** 0800 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Wells WELL ID MW-13S LAB ID 2

DATE 12/14/23 INITIAL SWL 4.42 CREW KL SAMPLE TIME 1230

DEVICE QED MP 50 WEATHER Sun 40

TIME	SWL	FLOW	PH	COND	TEMP°c	REDOX	TURBIDITY	D.O. mg/L
1210	4.42	120	—	—	—	—	—	—
1215	5.80	120	7.32	758	10.8	-60	5.4	1.53
1220	6.00	120	7.24	765	10.7	-74	3.2	0.95
1225	6.55	120	7.19	762	10.6	-70	2.5	0.81
1230	6.55	120	7.17	753	10.6	-63	2.7	0.83

Flow rates in ml/min

Calibration: 12/14/23 **Time:** 0700 pH = 7.00 4.00 10.00 Conductivity = 1411 Set 1411

Turbidity = 0.0/0.0 1.0 to 1.0 10.0 to 10.0

OBSERVATIONS:

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Wells WELL ID MW-15 LAB ID 10

DATE 12 / 15 / 2023 INITIAL SWL 3.58 CREW QK SAMPLE TIME 1110

DEVICE QED MP 50 WEATHER Sunny 50°

TIME	SWL	FLOW	PH	COND	TEMP°c	REDOX	TURBIDITY	D.O. mg/L
1030	3.58	120	—	—	—	—	—	—
1040	5.38	120	6.91	900	11.6	29	2.9	1.15
1045	6.18	120	6.85	910	11.5	-17	5.0	0.75
1050	6.35	120	6.81	915	11.5	-39	6.8	0.70
1055	7.01	120	6.74	919	11.5	-56	5.3	0.61
1100	7.30	120	6.72	919	11.6	-63	2.1	0.60
1105	7.36	120	6.71	926	11.6	-66	1.5	0.58
1110	7.40	120	6.70	927	11.6	-68	1.1	0.59

Flow rates in ml/min

Calibration: 12 / 15 / 2023 **Time:** 0800 pH = Conductivity =

Turbidity =

OBSERVATIONS:

FIELD MONITORING REPORT

PROJECT Torrey Land Fill Wells LAB ID 13

SAMPLE POINT ID MW-16

PURGE INFORMATION

Well Depth (ft.) 22.06 Purge Date 12/13/2023 Purge Method Bailer

SWL (ft.) 15.46 Start Time 0807 Stop Time 0812

Standing Water (ft.) 6.60 Volume Purged gal. 3.3 # casings 3.0

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

Well Volume (gal.) 1.1

SAMPLING INFORMATION

Sample Method Bailer

Date 12/14/2023 Time 0805 SWL 15.87

Appearance Light Turbid Tan to Turbid Tan

Weather Conditions Partly Cloudy 30°

Sampling Technician (Print) Quinton Koibeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.14	7.15
Myron 6p	Conductivity	µmhos/cm	772	772
Myron 6p	Temperature	Degrees Celsius	11.5	11.5
Myron 6p	Redox	millivolts	180	–
Lamotte	Turbidity	NTU	45.8	–

Calibration Date/Time 12/14/2023 0800 pH = 7.00/4.00/10.00 Conductivity = 1413 set 1413

Turbidity = 0.0/10.0

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Wells WELL ID MW-17 ~~8~~ KL 12/14 LAB ID 3

DATE 12/14/23 INITIAL SWL 5.00 CREW KL SAMPLE TIME 1300

DEVICE QED MP 50 WEATHER Sun 40

TIME	SWL	FLOW	PH	COND	TEMP °C	REDOX	TURBIDITY	D.O. mg/L
1245	5.00	120	–	–	–	–	–	–
1250	8.12	120	7.27	1727	10.8	42	0.8	3.52
1255	10.46	120	7.26	1733	10.8	62	0.5	3.30
1300	*	120	7.24	1736	10.8	67	0.4	3.24

Flow rates in ml/min

Calibration: 12/14/23 **Time:** 0700 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

* SWL Went below top of pump at 11.00. No SWL Possible

Small black specks suspended in sample

FIELD MONITORING REPORT

PROJECT Torrey Landfill Wells **LAB ID** 14

SAMPLE POINT ID PZ-2

PURGE INFORMATION

Well Depth (ft.) 37.15 Purge Date 12/13/2023 Purge Method Bailer

SWL (ft.) 35.29 Start Time 0831 Stop Time 0835

Standing Water (ft.) 1.86 Volume Purged gal. 0.9 # casings 3.0

Well Constant (gal/ft.) 0.163 Observations Light Tan Turb.'d

Well Volume (gal.) 0.3

SAMPLING INFORMATION

Sample Method Bailer

Date 12/14/2023 Time 0820 SWL 35.29

Appearance Clear to Turbid Tan

Weather Conditions Partly Cloudy 30°

Sampling Technician (Print) Quinten Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.76	6.76
Myron 6p	Conductivity	µmhos/cm	3092	3091
Myron 6p	Temperature	Degrees Celsius	9.9	9.9
Myron 6p	Redox	millivolts	-81	—
Lamotte	Turbidity	NTU	7.7	—

Calibration Date/Time 12/14/2023 0800 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

LOW FLOW MONITORING REPORT

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

DATE 12/14/23 INITIAL SWL 9.06 CREW KL SAMPLE TIME 1335

DEVICE QED MP 50 WEATHER P. Cloudy 40°

TIME	SWL	FLOW	PH	COND	TEMP °c	REDOX	TURBIDITY	D.O. mg/L
~~1315~~ 14	9.06	120	—	—	-	—	-	-
1320	*	120	6.85	1315	10.4	-50	3.4	2.20
1325	↓	120	6.81	1210	10.5	-63	3.7	1.48
1330	↓	120	6.80	1170	10.5	-59	3.6	1.16
1335		120	6.79	1170	10.5	-58	3.5	1.11

Flow rates in ml/min

Calibration: 12/14/23 **Time:** 0700 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

* Water level below top of pump at 9.10'. No SWL possible past this

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Wells WELL ID PW-1 LAB ID 8

DATE 12/15/2023 INITIAL SWL 27.84 CREW QK .SAMPLE TIME 0830

DEVICE QED MP 50 WEATHER Sunny 40°

TIME	SWL	FLOW	PH	COND	TEMP°C	REDOX	TURBIDITY	D.O. mg/L
0810	27.84	120	—	—	—	—	—	—
0820	29.05	120	6.74	1211	10.9	-31	1.0	1.09
0825	29.16	120	6.72	1197	10.8	-28	1.2	1.23
0830	29.49	120	6.70	1192	10.7	-25	1.4	1.34

Flow rates in ml/min

Calibration: 12/15/2023 **Time:** 0800 pH = 7.00/4.00/10.00 **Conductivity =** 1414 set 1414

Turbidity = 0.0 / 10.0

OBSERVATIONS:

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Wells WELL ID PW-5 LAB ID ~~4~~ 7 (KL)

DATE 12/14/23 INITIAL SWL 24.79 CREW KL SAMPLE TIME 1455

DEVICE QED MP 50 WEATHER P. Cloudy 45°

TIME	SWL	FLOW	PH	COND	TEMP °C	REDOX	TURBIDITY	D.O. mg/L
1435	24.79	120	–	–	–	–	–	–
1440	25.42	120	6.79	860	10.3	-37	2.2	2.30
1445	25.80	120	6.78	863	10.3	-62	1.0	2.18
1450	26.05	120	6.78	860	10.3	-67	1.3	1.80
1455	26.05	120	6.77	860	10.3	-68	1.1	228

Flow rates in ml/min

Calibration: 12/14/23 **Time:** 0700 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

FIELD MONITORING REPORT

PROJECT Torrey Landfill Wells **LAB ID**

SAMPLE POINT ID PW-8

PURGE INFORMATION

Well Depth (ft.) 23.85 Purge Date 12/13/2023 Purge Method Pump

SWL (ft.) 22.73 Start Time 1150 Stop Time 1154

Standing Water (ft.) 1.12 Volume Purged gal. 0.7 # casings 1.0 to Dry

Well Constant (gal/ft.) 0.653 Observations Clear to Turbid Black

Well Volume (gal.) 0.7

SAMPLING INFORMATION

Sample Method Bailer

Date 12/14/2023 Time SWL

Appearance

Weather Conditions

Sampling Technician (Print) Quinlen 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 12/14/2023 pH = Conductivity =

Turbidity =

OBSERVATIONS

NO SAMPLE, INADEQUATE RECHARGE

Sampling procedures were performed in accordance with all applicable protocols.

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Wells WELL ID PW-10 LAB ID 5+6 QC

DATE 12/14/23 INITIAL SWL 22.10 CREW KL SAMPLE TIME 1415

DEVICE QED MP 50 WEATHER P. Cloudy 40°

TIME	SWL	FLOW	PH	COND	TEMP °c	REDOX	TURBIDITY	D.O. mg/L
1400	22.10	120	-	-	-	-	-	-
1405	23.50	120	7.26	808	9.3	44	0.1	7.47
1410	23.96	120	7.26	819	9.4	71	0.1	7.33
1415	24.32	120	7.27	822	9.4	86	0.2	7.40

Flow rates in ml/min

Calibration: 12/14/23 **Time:** 0700 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

All air lines are ~~tight~~. UnSure why D.O. is so high

FIELD MONITORING REPORT

PROJECT Torrey Landfill Wells LAB ID 16

SAMPLE POINT ID MW-4D

PURGE INFORMATION

Well Depth (ft.) 131.48 Purge Date 12/13/2023 Purge Method Bailer

SWL (ft.) 120.35 Start Time 0912 Stop Time 0934

Standing Water (ft.) 11.13 Volume Purged gal. 3.0 # casings 1.7 to Dry

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

Well Volume (gal.) 1.8

SAMPLING INFORMATION

Sample Method Bailer

Date 12/14/2023 Time 0900 SWL 121.96

Appearance Turbid Tan

Weather Conditions Cloudy 30°

Sampling Technician (Print) Quinton Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.32	7.32
Myron 6p	Conductivity	µmhos/cm	1191	1191
Myron 6p	Temperature	Degrees Celsius	10.5	10.5
Myron 6p	Redox	millivolts	21	—
Lamotte	Turbidity	NTU	29.1	—

Calibration Date/Time 12/14/2023 0800 pH = Conductivity =

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Wells WELL ID MW-8D LAB ID 9

DATE 12/15/2023 INITIAL SWL 93.08 CREW QK SAMPLE TIME 0945

DEVICE QED MP 50 WEATHER Sunny 45°

TIME	SWL	FLOW	PH	COND	TEMP°c	REDOX	TURBIDITY	D.O. mg/L
0910	93.08	120	QK 2023	—	—	—	—	—
0920	93.75	120	~~6.5~~ 6.94	855	11.5	-68	1.5	3.08
0925	93.83	120	6.92	857	11.6	-70	1.8	2.94
0930	93.84	120	6.87	864	11.9	-87	1.5	2.70
0935	93.85	120	6.88	867	12.0	-96	1.4	2.67
0940	93.85	120	6.88	868	12.0	-100	1.7	2.83
0945	93.85	120	6.90	870	12.0	-101	1.7	2.75

Flow rates in ml/min

Calibration: 12/15/2023 **Time:** 0800 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

FIELD MONITORING REPORT

PROJECT Torrey Landfill Wells **LAB ID** 19 + 20 Dup

SAMPLE POINT ID MW-12D Dup

PURGE INFORMATION

Well Depth (ft.) 98.86 Purge Date 12/13/2023 Purge Method Bailer

SWL (ft.) 79.39 Start Time 1116 Stop Time 1128

Standing Water (ft.) 19.47 Volume Purged gal. 3.2 # casings 1.0 to Dry

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

Well Volume (gal.) 3.2

SAMPLING INFORMATION

Sample Method Bailer

Date 12/14/2023 Time 1025 SWL 85.02

Appearance Clear to Light Turbid Tan

Weather Conditions Cloudy 30°

Sampling Technician (Print) Quinton Korbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	11.61	12.20
Myron 6p	Conductivity	µmhos/cm	1378	1394
Myron 6p	Temperature	Degrees Celsius	7.5	7.4
Myron 6p	Redox	millivolts	-13	-47
Lamotte	Turbidity	NTU	9.9	5.7

Calibration Date/Time 12/14/2023 0800 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Land Fill **LAB ID** 11

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 12/13/2023 Time 1215 SWL —

Appearance Clear

Weather Conditions Sunny 30°

Sampling Technician (Print) Quinten Veilbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.88	7.88
Myron 6p	Conductivity	µmhos/cm	941	942
Myron 6p	Temperature	Degrees Celsius	6.2	6.2
Myron 6p	Redox	millivolts	130	—
Lamotte	Turbidity	NTU	0.6	—

Calibration Date/Time 12/13/2023 1200 **pH** = 7.00/4.00/10.00 **Conductivity** = 1413 set 1413

Turbidity =

OBSERVATIONS

DO: 8.55 mg/L

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill LAB ID 12

SAMPLE POINT ID Down Stream

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 12/13/2023 Time 1240 SWL —

Appearance Clear

Weather Conditions Sunny 30°

Sampling Technician (Print) ~~Chester~~ Kolbek Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	8.19	8.19
Myron 6p	Conductivity	µmhos/cm	799	799
Myron 6p	Temperature	Degrees Celsius	3.7	3.7
Myron 6p	Redox	millivolts	127	—
Lamotte	Turbidity	NTU	0.8	—

Calibration Date/Time 12/13/2023 1200 pH = Conductivity =

Turbidity =

OBSERVATIONS

DO: 11.76 mg/L

Sampling procedures were performed in accordance with all applicable protocols.

Appendix B

July 19, 2023 Service Request No:R2305581

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 22, 2023
For your reference, these analyses have been assigned our service request number **R2305581.**

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 7476. You may also contact me via email at Chris.Leavy@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Christopher Leavy
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: R2305581
Date Received: 06/21/2023 - 06/22/2023

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 one water samples were received for analysis at ALS Environmental on 06/21/2023 - 06/22/2023. 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:

No significant anomalies were noted with this analysis.

General Chemistry:

Method SM5210B, R2305581-010: The BOD result was calculated from two bottles that had a %Difference >30%. The % Difference does not appear to be due to toxicity.

Field:

No significant anomalies were noted with this analysis.

Approved by _____ Date 07/18/2023

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-5S_062123	Lab ID: R2305581-001					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	707			6.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	3.35			0.25	mg/L	350.1
Biochemical Oxygen Demand (BOD)	18.3			2.0	mg/L	SM 5210 B-2016
Calcium, Total	146000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	51.3			4.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	99.1			5.0	mg/L	410.4
Chloride	50.3			2.0	mg/L	300.0
Conductivity, Field	1493				uMHOS/cm	120.1
Hardness, Total as CaCO3	591			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	34000			100	ug/L	6010C
Magnesium, Total	54800			1000	ug/L	6010C
Manganese, Total	677			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	4.47			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-158				mV	ASTM D1498-00
Oxygen, Dissolved	0.49			0.20	mg/L	SM 4500-O G
pH, Field	7.05				pH Units	SM 4500-H+ B
Potassium, Total	4000			2000	ug/L	6010C
Sodium, Total	93700			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	820			29	mg/L	SM 2540 C-2015
Temperature, Field	12.2				deg C	SM 2550 B
Turbidity, Field	7.8				NTU	180.1

CLIENT ID: MW-15_062123	Lab ID: R2305581-002					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	470			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	16.6			0.50	mg/L	350.1
Calcium, Total	70900			1000	ug/L	6010C
Carbon, Total Organic (TOC)	24.6			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	15.1			5.0	mg/L	410.4
Chloride	27.9			2.0	mg/L	300.0
Conductivity, Field	715				uMHOS/cm	120.1
Hardness, Total as CaCO3	340			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	8330			100	ug/L	6010C
Magnesium, Total	39600			1000	ug/L	6010C
Manganese, Total	133			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	16.4			1.0	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-43.0				mV	ASTM D1498-00

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_062123			Lab ID: R2305581-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
pH, Field	7.41				pH Units	SM 4500-H+ B
Potassium, Total	16500			2000	ug/L	6010C
Sodium, Total	39000			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	466			14	mg/L	SM 2540 C-2015
Sulfate	3.5			2.0	mg/L	300.0
Temperature, Field	10.4				deg C	SM 2550 B
Turbidity, Field	14.1				NTU	180.1

CLIENT ID: PW-2_062123			Lab ID: R2305581-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	565			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.177			0.050	mg/L	350.1
Calcium, Total	143000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	38.2			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	14.8			5.0	mg/L	410.4
Chloride	43.3			2.0	mg/L	300.0
Conductivity, Field	1096				uMHOS/cm	120.1
Hardness, Total as CaCO3	531			6.62	mg/L	SM 2340 B-1997 (2011)
Magnesium, Total	42100			1000	ug/L	6010C
Manganese, Total	1140			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.50			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	107				mV	ASTM D1498-00
Oxygen, Dissolved	0.36			0.20	mg/L	SM 4500-O G
pH, Field	6.71				pH Units	SM 4500-H+ B
Potassium, Total	3100			2000	ug/L	6010C
Sodium, Total	34300			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	604			11	mg/L	SM 2540 C-2015
Sulfate	7.8			2.0	mg/L	300.0
Temperature, Field	13.5				deg C	SM 2550 B
Turbidity, Field	2.1				NTU	180.1

CLIENT ID: PW-10_062123			Lab ID: R2305581-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	354			2.0	mg/L	SM 2320 B-1997 (2011)
Biochemical Oxygen Demand (BOD)	2.7			2.0	mg/L	SM 5210 B-2016
Calcium, Total	78400			1000	ug/L	6010C
Carbon, Total Organic (TOC)	16.7			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	11.4			5.0	mg/L	410.4
Chloride	7.3			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_062123	Lab ID: R2305581-004					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Conductivity, Field	649				uMHOS/cm	120.1
Hardness, Total as CaCO3	337			6.62	mg/L	SM 2340 B-1997 (2011)
Magnesium, Total	34200			1000	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.26			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	119				mV	ASTM D1498-00
Oxygen, Dissolved	4.45			0.20	mg/L	SM 4500-O G
pH, Field	7.43				pH Units	SM 4500-H+ B
Potassium, Total	2100			2000	ug/L	6010C
Sodium, Total	10600			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	351			10	mg/L	SM 2540 C-2015
Sulfate	3.0			2.0	mg/L	300.0
Temperature, Field	10.0				deg C	SM 2550 B
Turbidity, Field	2.1				NTU	180.1

CLIENT ID: PW-5_062123	Lab ID: R2305581-005					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	453			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.587			0.050	mg/L	350.1
Calcium, Total	129000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	23.3			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	5.9			5.0	mg/L	410.4
Conductivity, Field	803				uMHOS/cm	120.1
Hardness, Total as CaCO3	435			6.62	mg/L	SM 2340 B-1997 (2011)
Magnesium, Total	27200			1000	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.73			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	104				mV	ASTM D1498-00
Oxygen, Dissolved	0.39			0.20	mg/L	SM 4500-O G
pH, Field	6.85				pH Units	SM 4500-H+ B
Potassium, Total	4900			2000	ug/L	6010C
Sodium, Total	3900			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	444			11	mg/L	SM 2540 C-2015
Sulfate	5.1			2.0	mg/L	300.0
Temperature, Field	11.8				deg C	SM 2550 B
Turbidity, Field	2.3				NTU	180.1

CLIENT ID: MW-12M_062223	Lab ID: R2305581-006					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	382			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_062223			Lab ID: R2305581-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Ammonia as Nitrogen, undistilled	0.290			0.050	mg/L	350.1
Calcium, Total	89900			1000	ug/L	6010C
Carbon, Total Organic (TOC)	7.9			1.0	mg/L	SM 5310 B-2014
Chloride	3.0			2.0	mg/L	300.0
Conductivity, Field	707				uMHOS/cm	120.1
Hardness, Total as CaCO3	362			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	320			100	ug/L	6010C
Magnesium, Total	33300			1000	ug/L	6010C
Manganese, Total	111			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.37			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-87.0				mV	ASTM D1498-00
Oxygen, Dissolved	0.70			0.20	mg/L	SM 4500-O G
pH, Field	7.50				pH Units	SM 4500-H+ B
Sodium, Total	16300			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	404			11	mg/L	SM 2540 C-2015
Sulfate	18.6			2.0	mg/L	300.0
Temperature, Field	11.9				deg C	SM 2550 B
Turbidity, Field	2.3				NTU	180.1

CLIENT ID: MW-13S_062223			Lab ID: R2305581-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	318			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	81700			1000	ug/L	6010C
Carbon, Total Organic (TOC)	7.7			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	9.1			5.0	mg/L	410.4
Chloride	20.4			2.0	mg/L	300.0
Conductivity, Field	653				uMHOS/cm	120.1
Hardness, Total as CaCO3	335			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	180			100	ug/L	6010C
Magnesium, Total	31800			1000	ug/L	6010C
Oxidation-Reduction Potential (ORP), Field	87.0				mV	ASTM D1498-00
Oxygen, Dissolved	1.14			0.20	mg/L	SM 4500-O G
pH, Field	7.35				pH Units	SM 4500-H+ B
Sodium, Total	11200			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	368			10	mg/L	SM 2540 C-2015
Sulfate	8.0			2.0	mg/L	300.0
Temperature, Field	12.3				deg C	SM 2550 B
Turbidity, Field	6.2				NTU	180.1

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-13S_062223 — **Lab ID: R2305581-007**

CLIENT ID: MW-17_062223 — **Lab ID: R2305581-008**

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	424			2.0	mg/L	SM 2320 B-1997 (2011)
Biochemical Oxygen Demand (BOD)	8.0			2.0	mg/L	SM 5210 B-2016
Calcium, Total	116000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	14.2			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	6.3			5.0	mg/L	410.4
Chloride	280			10	mg/L	300.0
Conductivity, Field	1734				uMHOS/cm	120.1
Hardness, Total as CaCO3	842			6.62	mg/L	SM 2340 B-1997 (2011)
Magnesium, Total	134000			1000	ug/L	6010C
Manganese, Total	229			10	ug/L	6010C
Oxidation-Reduction Potential (ORP), Field	68.0				mV	ASTM D1498-00
Oxygen, Dissolved	1.11			0.20	mg/L	SM 4500-O G
pH, Field	7.24				pH Units	SM 4500-H+ B
Potassium, Total	3700			2000	ug/L	6010C
Sodium, Total	30500			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	923			14	mg/L	SM 2540 C-2015
Sulfate	68.9			2.0	mg/L	300.0
Temperature, Field	12.2				deg C	SM 2550 B
Turbidity, Field	1.7				NTU	180.1

CLIENT ID: PZ-3_062223 — **Lab ID: R2305581-009**

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	632			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.083			0.050	mg/L	350.1
Calcium, Total	174000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	22.6			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	10.4			5.0	mg/L	410.4
Chloride	8.2			2.0	mg/L	300.0
Conductivity, Field	1234				uMHOS/cm	120.1
Hardness, Total as CaCO3	694			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	1500			100	ug/L	6010C
Magnesium, Total	62800			1000	ug/L	6010C
Manganese, Total	86			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.32			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-117				mV	ASTM D1498-00
Oxygen, Dissolved	1.04			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: PZ-3_062223	Lab ID: R2305581-009					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
pH, Field	6.90				pH Units	SM 4500-H+ B
Sodium, Total	14000			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	751			13	mg/L	SM 2540 C-2015
Sulfate	85.7			2.0	mg/L	300.0
Temperature, Field	11.8				deg C	SM 2550 B
Turbidity, Field	1.9				NTU	180.1

CLIENT ID: MW-8D_062223	Lab ID: R2305581-010					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	419			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	3.91			0.25	mg/L	350.1
Biochemical Oxygen Demand (BOD)	5.4			2.0	mg/L	SM 5210 B-2016
Calcium, Total	81300			1000	ug/L	6010C
Carbon, Total Organic (TOC)	10.7			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	16.1			5.0	mg/L	410.4
Chloride	37.2			2.0	mg/L	300.0
Conductivity, Field	862				uMHOS/cm	120.1
Hardness, Total as CaCO3	318			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	4200			100	ug/L	6010C
Magnesium, Total	27900			1000	ug/L	6010C
Manganese, Total	73			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	3.94			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-134				mV	ASTM D1498-00
Oxygen, Dissolved	1.02			0.20	mg/L	SM 4500-O G
pH, Field	7.21				pH Units	SM 4500-H+ B
Sodium, Total	63300			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	482			10	mg/L	SM 2540 C-2015
Temperature, Field	15.2				deg C	SM 2550 B
Turbidity, Field	4.6				NTU	180.1

CLIENT ID: MW-16_062223	Lab ID: R2305581-011					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	371			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	99300			1000	ug/L	6010C
Carbon, Total Organic (TOC)	19.6			1.0	mg/L	SM 5310 B-2014
Conductivity, Field	658				uMHOS/cm	120.1
Hardness, Total as CaCO3	370			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	1030			100	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_062223	Lab ID: R2305581-011					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Magnesium, Total	29700			1000	ug/L	6010C
Manganese, Total	50			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.28			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	113				mV	ASTM D1498-00
pH, Field	7.32				pH Units	SM 4500-H+ B
Potassium, Total	2200			2000	ug/L	6010C
Sodium, Total	5100			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	381			11	mg/L	SM 2540 C-2015
Sulfate	8.2			2.0	mg/L	300.0
Temperature, Field	11.9				deg C	SM 2550 B
Turbidity, Field	20.2				NTU	180.1

CLIENT ID: MW-16DUP_062223	Lab ID: R2305581-012					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	368			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	101000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	15.2			1.0	mg/L	SM 5310 B-2014
Conductivity, Field	661				uMHOS/cm	120.1
Hardness, Total as CaCO3	375			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	760			100	ug/L	6010C
Magnesium, Total	30000			1000	ug/L	6010C
Manganese, Total	50			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.21			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	110				mV	ASTM D1498-00
pH, Field	7.25				pH Units	SM 4500-H+ B
Potassium, Total	2100			2000	ug/L	6010C
Sodium, Total	5100			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	374			10	mg/L	SM 2540 C-2015
Sulfate	8.1			2.0	mg/L	300.0
Temperature, Field	12.0				deg C	SM 2550 B
Turbidity, Field	14.4				NTU	180.1

CLIENT ID: PZ-2_062223	Lab ID: R2305581-013					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	983			6.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	3.21			0.25	mg/L	350.1
Calcium, Total	222000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	18.7			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	20.9			5.0	mg/L	410.4

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: PZ-2_062223			Lab ID: R2305581-013			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	406			20	mg/L	300.0
Conductivity, Field	3144				uMHOS/cm	120.1
Hardness, Total as CaCO3	1060			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	15000			100	ug/L	6010C
Magnesium, Total	123000			1000	ug/L	6010C
Manganese, Total	610			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	3.64			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-112				mV	ASTM D1498-00
pH, Field	6.88				pH Units	SM 4500-H+ B
Potassium, Total	6100			2000	ug/L	6010C
Sodium, Total	316000			10000	ug/L	6010C
Solids, Total Dissolved (TDS)	1940			40	mg/L	SM 2540 C-2015
Sulfate	214			20	mg/L	300.0
Temperature, Field	11.4				deg C	SM 2550 B
Turbidity, Field	4.7				NTU	180.1

CLIENT ID: MW-4S_062223			Lab ID: R2305581-014			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	647			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	207000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	34.4			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	19.0			5.0	mg/L	410.4
Chloride	9.4			2.0	mg/L	300.0
Conductivity, Field	1378				uMHOS/cm	120.1
Hardness, Total as CaCO3	793			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	2550			100	ug/L	6010C
Magnesium, Total	66800			1000	ug/L	6010C
Manganese, Total	1620			10	ug/L	6010C
Nitrate as Nitrogen	6.3			1.0	mg/L	300.0
Nitrogen, Total Kjeldahl (TKN)	0.56			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	111				mV	ASTM D1498-00
pH, Field	6.75				pH Units	SM 4500-H+ B
Potassium, Total	5300			2000	ug/L	6010C
Sodium, Total	17600			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	919			14	mg/L	SM 2540 C-2015
Sulfate	152			6.0	mg/L	300.0
Temperature, Field	11.8				deg C	SM 2550 B
Turbidity, Field	7.2				NTU	180.1

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-4S_062223 **Lab ID: R2305581-014**

CLIENT ID: MW-4D_062223 **Lab ID: R2305581-015**

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	710			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	2.35			0.25	mg/L	350.1
Biochemical Oxygen Demand (BOD)	10.9			2.0	mg/L	SM 5210 B-2016
Calcium, Total	22900			1000	ug/L	6010C
Carbon, Total Organic (TOC)	45.7			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	17.7			5.0	mg/L	410.4
Chloride	2.8			2.0	mg/L	300.0
Conductivity, Field	1258				uMHOS/cm	120.1
Hardness, Total as CaCO3	88.5			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	5030			100	ug/L	6010C
Magnesium, Total	7600			1000	ug/L	6010C
Manganese, Total	150			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	3.25			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-102				mV	ASTM D1498-00
pH, Field	7.55				pH Units	SM 4500-H+ B
Potassium, Total	3900			2000	ug/L	6010C
Sodium, Total	295000			10000	ug/L	6010C
Solids, Total Dissolved (TDS)	803			15	mg/L	SM 2540 C-2015
Temperature, Field	12.4				deg C	SM 2550 B
Turbidity, Field	43.3				NTU	180.1

CLIENT ID: MW-3S_062223 **Lab ID: R2305581-016**

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	490			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	58800			1000	ug/L	6010C
Carbon, Total Organic (TOC)	18.9			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	67.9			5.0	mg/L	410.4
Chloride	4.1			2.0	mg/L	300.0
Conductivity, Field	916				uMHOS/cm	120.1
Hardness, Total as CaCO3	508			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	530			100	ug/L	6010C
Magnesium, Total	87800			1000	ug/L	6010C
Manganese, Total	18			10	ug/L	6010C
Oxidation-Reduction Potential (ORP), Field	74.0				mV	ASTM D1498-00
pH, Field	7.43				pH Units	SM 4500-H+ B
Potassium, Total	4100			2000	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-3S_062223	Lab ID: R2305581-016					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Sodium, Total	22700			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	521			11	mg/L	SM 2540 C-2015
Sulfate	49.1			2.0	mg/L	300.0
Temperature, Field	12.1				deg C	SM 2550 B
Turbidity, Field	12.3				NTU	180.1

CLIENT ID: MW-1S_062223	Lab ID: R2305581-017					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	349			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.250			0.050	mg/L	350.1
Calcium, Total	91600			1000	ug/L	6010C
Carbon, Total Organic (TOC)	12.0			1.0	mg/L	SM 5310 B-2014
Chloride	5.0			2.0	mg/L	300.0
Conductivity, Field	956				uMHOS/cm	120.1
Hardness, Total as CaCO3	387			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	1960			100	ug/L	6010C
Magnesium, Total	38500			1000	ug/L	6010C
Manganese, Total	91			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.34			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-96.0				mV	ASTM D1498-00
Oxygen, Dissolved	0.46			0.20	mg/L	SM 4500-O G
pH, Field	6.98				pH Units	SM 4500-H+ B
Sodium, Total	10900			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	427			10	mg/L	SM 2540 C-2015
Sulfate	47.3			2.0	mg/L	300.0
Temperature, Field	12.0				deg C	SM 2550 B
Turbidity, Field	3.2				NTU	180.1

CLIENT ID: MW-12D_062223	Lab ID: R2305581-018					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	322			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	5.30			0.50	mg/L	350.1
Biochemical Oxygen Demand (BOD)	4.3			2.0	mg/L	SM 5210 B-2016
Calcium, Total	50100			1000	ug/L	6010C
Carbon, Total Organic (TOC)	7.2			1.0	mg/L	SM 5310 B-2014
Chloride	6.4			2.0	mg/L	300.0
Conductivity, Field	1425				uMHOS/cm	120.1
Hardness, Total as CaCO3	134			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-12D_062223			Lab ID: R2305581-018			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Iron, Total	150			100	ug/L	6010C
Magnesium, Total	2100			1000	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	5.39			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-204				mV	ASTM D1498-00
pH, Field	11.89				pH Units	SM 4500-H+ B
Phenolics, Total Recoverable	0.0067			0.0050	mg/L	9066
Potassium, Total	7300			2000	ug/L	6010C
Sodium, Total	85700			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	360			15	mg/L	SM 2540 C-2015
Temperature, Field	11.3				deg C	SM 2550 B
Turbidity, Field	10.3				NTU	180.1

CLIENT ID: PW-8_062223			Lab ID: R2305581-019			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	548			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.056			0.050	mg/L	350.1
Calcium, Total	174000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	22.1			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	18.4			5.0	mg/L	410.4
Chloride	78.4			2.0	mg/L	300.0
Conductivity, Field	1293				uMHOS/cm	120.1
Hardness, Total as CaCO3	649			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	1810			100	ug/L	6010C
Magnesium, Total	52200			1000	ug/L	6010C
Manganese, Total	78			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.43			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-46.0				mV	ASTM D1498-00
pH, Field	7.24				pH Units	SM 4500-H+ B
Potassium, Total	3400			2000	ug/L	6010C
Sodium, Total	39900			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	775			13	mg/L	SM 2540 C-2015
Sulfate	77.9			2.0	mg/L	300.0
Temperature, Field	10.6				deg C	SM 2550 B
Turbidity, Field	10.3				NTU	180.1

CLIENT ID: Upstream_062223			Lab ID: R2305581-020			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	462			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.130			0.050	mg/L	350.1

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: Upstream_062223			Lab ID: R2305581-020			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Calcium, Total	126000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	18.0			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	8.7			5.0	mg/L	410.4
Chloride	28.3			2.0	mg/L	300.0
Conductivity, Field	910				uMHOS/cm	120.1
Hardness, Total as CaCO3	481			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	700			100	ug/L	6010C
Magnesium, Total	40200			1000	ug/L	6010C
Manganese, Total	1130			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.76			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	56.0				mV	ASTM D1498-00
Oxygen, Dissolved	3.76			0.20	mg/L	SM 4500-O G
pH, Field	7.73				pH Units	SM 4500-H+ B
Potassium, Total	2700			2000	ug/L	6010C
Sodium, Total	17200			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	553			11	mg/L	SM 2540 C-2015
Sulfate	24.3			2.0	mg/L	300.0
Temperature, Field	15.3				deg C	SM 2550 B
Turbidity, Field	12.4				NTU	180.1

CLIENT ID: Downstream_062223			Lab ID: R2305581-021			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	361			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.089			0.050	mg/L	350.1
Calcium, Total	92800			1000	ug/L	6010C
Carbon, Total Organic (TOC)	10.8			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	20.6			5.0	mg/L	410.4
Chloride	19.6			2.0	mg/L	300.0
Conductivity, Field	769				uMHOS/cm	120.1
Hardness, Total as CaCO3	366			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	380			100	ug/L	6010C
Magnesium, Total	32500			1000	ug/L	6010C
Manganese, Total	38			10	ug/L	6010C
Nitrate as Nitrogen	1.7			1.0	mg/L	300.0
Nitrogen, Total Kjeldahl (TKN)	0.40			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	84.0				mV	ASTM D1498-00
Oxygen, Dissolved	8.58			0.20	mg/L	SM 4500-O G
pH, Field	8.23				pH Units	SM 4500-H+ B

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: Downstream_062223			Lab ID: R2305581-021			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Potassium, Total	4200			2000	ug/L	6010C
Sodium, Total	26200			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	443			10	mg/L	SM 2540 C-2015
Sulfate	24.3			2.0	mg/L	300.0
Temperature, Field	17.0				deg C	SM 2550 B
Turbidity, Field	6.4				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 **Service Request:**R2305581
Project: Torrey Landfill

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2305581-001	MW-5S_062123	6/21/2023	0915
R2305581-002	MW-15_062123	6/21/2023	1015
R2305581-003	PW-2_062123	6/21/2023	1150
R2305581-004	PW-10_062123	6/21/2023	1250
R2305581-005	PW-5_062123	6/21/2023	1330
R2305581-006	MW-12M_062223	6/22/2023	0910
R2305581-007	MW-13S_062223	6/22/2023	1005
R2305581-008	MW-17_062223	6/22/2023	1110
R2305581-009	PZ-3_062223	6/22/2023	1200
R2305581-010	MW-8D_062223	6/22/2023	1325
R2305581-011	MW-16_062223	6/22/2023	0715
R2305581-012	MW-16DUP_062223	6/22/2023	0715
R2305581-013	PZ-2_062223	6/22/2023	0735
R2305581-014	MW-4S_062223	6/22/2023	0800
R2305581-015	MW-4D_062223	6/22/2023	0830
R2305581-016	MW-3S_062223	6/22/2023	0910
R2305581-017	MW-1S_062223	6/22/2023	0935
R2305581-018	MW-12D_062223	6/22/2023	1000
R2305581-019	PW-8_062223	6/22/2023	1030
R2305581-020	Upstream_062223	6/22/2023	1055
R2305581-021	Downstream_062223	6/22/2023	1125

Chain of Custody / Analytical Request Form

69833

SR#:

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

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): (NY), MA, PA, CT, Other:

Preservative: 0. None; 1. HCl; 2. HNO3; 3. H2SO4; 4. NAOH; 5. Zn Acet.; 6. MeOH; 7. NaHSO4; 8. Other

Lab ID (ALS)	Sample Collection Information: Sample ID:	Date	Time	Matrix (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 Pt 360					Notes:
6	MW-12M	6/22/23	0910	N	6									X					* KF
7	MW-13S		1005	N	6									X					
8	MW-17		1110	N	6									X					
9	PZ-3		1200	N	6									X					
10	MW-8D		1325	N	6									X					*

Special Instructions / Comments:

* Well went dry during sampling, BOD bottle half full.

Turnaround Requirements

____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
____ Standard (10 Business Days)
Date Required:

Report Requirements

____Tier II/Cat A -Results/QC
____Tier IV/Cat B - Data Validation Report w/. Data
EDD: ____Yes ____No
EDD Type:

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (□ Same as Report To)

PO #:
Company:
Contact:
Email:
Ph:
Ac:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	Kelsey Foley	Sarah Schwartzbaer				
Company	ALS	ALS				
Date/Time	6/22/23 1600	6/22/23 1600				

R2305581 5
Barton & Loguidice, PC
Torrey Landfill

Distribution: White - Lab Copy; Yellow - Return to Originator

© 2012 by ALS Group

Chain of Custody / Analytical Request Form

67623

SR#:

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: Barton and Loguidice	Project Name: Semi-annual Wells
Contact: Darik Jordan	Project Number:
Email:	ALS Quote #:
Phone: 585-325-7190	Sampler's Signature:
Address: Torrey Landfill	Email CC:
Long Point Rd, Torrey NY	Email CC:
	State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other:

Preservative: 0. None; 1. HCl; 2. HNO3; 3. H2SO4; 4. NAOH; 5. Zn Acet.; 6. MeOH; 7. NaHSO4; 8. Other

Lab ID (ALS)	Sample Collection Information: Sample ID:	Date	Time	Matrix (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	Part 360 Routine	Notes:
11	MW-16	6/22/2023	0715	W	6									X	
12	MW-16 Dup		0715	W	6									X	Dup
13	PZ-2		0735	W	6									X	
14+15	MW-4S QC		0800	W	12	X								X	QC
16	MW-4D		0830	W	6									X	
17	MW-3S		0910	W	6									X	
18	MW-15		0935	W	6									X	
19	MW-12D		1000	W	6									X	
20	PW-8		1030	W	6									X	
21	UPStream		1055	W	6									X	

Special Instructions / Comments:

Turnaround Requirements

_____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
_____Standard (10 Business Days)
Date Required:

Report Requirements

_____Tier II/Cat A -Results/QC
_____Tier IV/Cat B - Data Validation Report w/. Data
EDD: _____Yes _____No
EDD Type:

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (□ Same as Report To)

PO #:
Company:
Contact:
Email:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	Quinten Kolbeck	Kelsey Foley	Kelsey Foley	Sarah Schwartzbauer		
Company	ALS	ALS	ALS	ALS		
Date/Time		6/22/23 1300	6/22/23 1600	6/22/23 1600		

R2305581 5
Barton & Loguidice, PC
Torrey Landfill

Distribution: White - Lab Copy; Yellow - Return to Originator

© 2012 by ALS Group

Chain of Custody / Analytical Request Form

67624

SR#:

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: Barton and Loguidice	Project Name: Semi-annual wells
Contact: Darik Jordan	Project Number:
Email:	ALS Quote #:
Phone: 585-325-7190	Sampler's Signature:
Address: Torrey Landfill	Email CC:
Long Point Rd, Torrey NY	Email CC:
	State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other:

Preservative: 0. None; 1. HCl; 2. HNO3; 3. H2SO4; 4. NAOH; 5. Zn Acet.; 6. MeOH; 7. NaHSO4; 8. Other

Lab ID (ALS)	Sample Collection Information: Sample ID:	Date	Time	Matrix (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	Part 360 Routine	Notes:
22	Downstream	6/22/2023	1125	W	6									X	

Special Instructions / Comments:

Turnaround Requirements

_____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
_____ Standard (10 Business Days)
Date Required:

Report Requirements

_____Tier II/Cat A -Results/QC
_____Tier IV/Cat B - Data Validation Report w/. Data
EDD: _____Yes _____No
EDD Type:

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (□ Same as Report To)

PO #:
Company:
Contact:
Email:
Ph:
Ad:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	Quinton Kolbeck	Kelsey Foley	Kelsey Foley	Sarah Schwartzlander		
Company	ALS	ALS	ALS	ALS		
Date/Time		6/22/23 1300	6/22/23 1600	6/22/23 1600		

R2305581 5
Barton & Loguidice, PC
Torrey Landfill

Distribution: White - Lab Copy; Yellow - Return to Originator

© 2012 by ALS Group

R2305581 5
Barton & Loguidice, PC
Torrey Landfill

Cooler Receipt and Preservation Check Form

Project/Client _____ Folder Number _____

Cooler received on 6/22/23 by: SES/MK/KW COURIER: ALS UPS FEDEX VELOCITY CLIENT

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

8. Temperature Readings Date: 6/22/23 Time: 1620 ID: (IR#12) IR#11 From: Temp Blank (Sample Bottle)

Observed Temp (°C)	4.5	4.6	3.6	3.7	5.7		
Within 0-6°C?	(Y) 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 SES on 6/22/23 at 16:45
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 6/23/23 Time: 1133 by: SES.

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. Were dissolved metals filtered in the field? YES NO (N/A)
14. 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? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2	225320	HNO_3	✓		21390141	1/25				
≤2	225320	H_2SO_4	✓		M095-15	11/23				
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, (Phenol) 625, 608pest, 522	✓		If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**						

Bottle lot numbers: 050823-2AES, 040323-1EKP, 052223-2ADD, 052223-2EFQ, 22-11-16
Explain all Discrepancies/ Other Comments:

* NO sample dates or times on labels.
H_2SO_4 for TOC & phenol: 22420133 exp. 11/25

HPROD	BULK
HTR	ELDT
SUB	HGFB
ALS	L13541

Labels secondary reviewed by: SES.
PC Secondary Review: _____

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

Chain of Custody / Analytical Request Form

69834

SR#:

Page 1 of 1

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

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): (NY) MA, PA, CT, Other:

Preservative: 0. None; 1. HCl; 2. HNO3; 3. H2SO4; 4. NAOH; 5. Zn Acet.; 6. MeOH; 7. NaHSO4; 8. Other

Lab ID (ALS)	Sample Collection Information: Sample ID:	Date	Time	Matrix (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 Pt 360	Notes:
1	MW-5S	4/21/23	0915	W	6									X	
2	MW-15		1015	W	6									X	
3	PW-2		1150	W	6									X	
4	PW-10		1250	W	6									X	
5	PW-5	↓	1330	W	6									X	

Special Instructions / Comments:

Turnaround Requirements

_____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM

_____Standard (10 Business Days)

Date Required:

Report Requirements

_____Tier II/Cat A -Results/QC

_____Tier IV/Cat B - Data Validation Report w/. Data

EDD: _____Yes _____No

EDD Type:

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (□ Same as Report To)

PO #:

Company:

Contact:

Email:

Ph

Ad

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	Kelsey Foley	Kyle Canterbury				
Company	ALS	ALS				
Date/Time	4/21/23 1510	4/21/23				

KCW 6/21/23 15:15

R2305581 5
Barton & Loguidice, PC
Torrey Landfill

Distribution: White - Lab Copy; Yellow - Return to Originator

© 2012 by ALS Group

R2305581 5
Barton & Loguidice, PC
Torrey Landfill

Cooler Receipt and Preservation Check Fo

Project/Client B&L - Torrey Folder Number

Cooler received on 6/21/23 by: SES/KW COURIER: (ALS) UPS FEDEX VELOCITY CLIENT

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

8. Temperature Readings Date: 6/21/23 Time: 1515 ID: IR#7 (IR#11) From: Temp Blank (Sample Bottle)

Observed Temp (°C)	5.8						
Within 0-6°C?	(Y) 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 SES on 6/21/23 at 1516
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 6/22/23 Time: 06:58 by: HE

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. Were dissolved metals filtered in the field? YES NO (N/A)
14. 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? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2	202320	HNO_3	X		21390141	01/25				
≤2	V	H_2SO_4	X		MD95-15	11/23				
<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 $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**						

Bottle lot numbers: 050823-2AGS, 22H-16, 040823-1EKP, 052223-2ADD

Explain all Discrepancies/ Other Comments:

H_2SO_4 lot for Phenol/TOC: 22420133 exp: 11/25

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: HE
PC Secondary Review: _____

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

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID MW-5S LAB ID 1

DATE 6/21/23 INITIAL SWL 8.20 CREW KF, KL SAMPLE TIME 0915

DEVICE QED MP 50 WEATHER 70°F sunny

TIME	SWL	FLOW	PH	COND	TEMP.c	REDOX	TURBIDITY	D.O. mg/L
0855	8.20	120	-	-	-	-	-	KF -
0905	12.45	120	6.99	1498	12.9	-153	7.8	~~6.6~~ 0.65
0910	14.00	120	7.03	1495	12.4	-158	8.5	0.62
0915	15.40	120	7.05	1493	12.2	-158	7.8	0.49

Flow rates in ml/min

Calibration: 6/21/23 **Time:** 0850 pH = 7.00 4.00 10.00 Conductivity = 1414 µS cal to 1414 µS

Turbidity = 0.0/10.0

OBSERVATIONS:

LOW FLOW MONITORING REPORT

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

DATE 6/21/23 INITIAL SWL 3.39 CREW KF SAMPLE TIME 1015

DEVICE QED MP 50 WEATHER 70°F Sunny

TIME	SWL	FLOW	PH	COND	TEMP°c	REDOX	TURBIDITY	D.O. mg/L
0940	3.39	120	—	—	—	—	—	—
0945	5.63	120	6.97	970	12.0	-96	68.4	0.94
0950	6.45	120	7.00	960	11.8	-99	19.8	0.45
0955	6.25	120	7.00	956	12.3	-98	14.6	0.72
1000	6.30	120	6.99	955	12.2	-98	8.7	0.62
1005	6.55	120	6.99	951	12.0	-97	4.5	0.47
1010	6.65	120	6.98	952	12.0	-97	3.3	0.48
1015	6.75	120	6.98	950	12.0	-96	3.2	0.46

Flow rates in ml/min

Calibration: 6/21/23 **Time:** 0855 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID PW-2 LAB ID 3

DATE 6/21/23 INITIAL SWL ~~22.43~~ 21.43 KF CREW KF SAMPLE TIME 1150

DEVICE QED MP 50 WEATHER 75°F Mostly Sunny

TIME	SWL ~~22.43~~ 21.43 KF	FLOW	PH	COND	TEMP °C	REDOX	TURBIDITY	D.O. mg/L
1120	~~22.43~~	120	-	-	-	-	-	-
1130	21.96	120	6.71	1122	14.2	92	2.3	0.78
1135	22.18	120	6.68	1117	13.8	103	2.2	0.57
1140	22.44	120	6.68	1099	13.5	111	2.2	0.41
1145	22.77	120	6.67	1097	13.5	116	1.0	0.37
1150	23.02	120	6.71	1096	13.5	107	2.1	0.36

Flow rates in ml/min

Calibration: 6/21/23 **Time:** 0855 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID PW-10 LAB ID 4

DATE 6 / 21 / 23 INITIAL SWL 24.08 CREW KF SAMPLE TIME 1250

DEVICE QED MP 50 WEATHER 76°F Mostly Sunny

TIME	SWL	FLOW	PH	COND	TEMP	REDOX	TURBIDITY	D.O.
1225	24.08	120	—	—	—	—	—	—
1230	24.58	120	7.49	662	10.2	155	1.5	4.86
1235	24.70	120	7.43	653	10.1	146	1.6	4.81
1240	24.96	120	7.41	647	10.0	129	2.2	4.67
1245	25.21	120	7.42	649	10.0	121	2.0	4.53
1250	25.44	120	7.43	649	10.0	119	2.1	4.45

Flow rates in ml/min

OBSERVATIONS

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID PW-5 LAB ID 5

DATE 6/21/23 INITIAL SWL 21.03 CREW KF, RK SAMPLE TIME 1330

DEVICE QED MP 50 WEATHER 76°F Mostly Sunny

TIME	SWL	FLOW	PH	COND	TEMP°c	REDOX	TURBIDITY	D.O. mg/L
1305	21.03	120	-	-	-	-	-	-
1310	21.57	120	7.03	807	12.3	143	3.3	0.92
1315	21.86	120	6.90	803	11.8	110	2.9	0.59
1320	21.82	120	6.86	803	11.8	105	2.7	0.44
1325	21.82	120	6.85	801	11.8	104	2.9	0.39
1330	21.82	120	6.85	803	11.8	104	2.3	0.39

Flow rates in ml/min

Calibration: 6/21/23 **Time:** 0855 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

LOW FLOW MONITORING REPORT

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

DATE 6/22/23 INITIAL SWL 10.34 CREW KF SAMPLE TIME 0910

DEVICE QED MP 50 WEATHER 63°F Cloudy

TIME	SWL	FLOW	PH	COND	TEMP	REDOX	TURBIDITY	D.O.
0845	10.34	120	-	-	-	-	-	-
KF ~~105~~ 0855	13.73	120	7.40	710	11.9	-94	4.0	1.36
0900	14.95	120	7.48	710	11.9	-86	3.2	0.96
0905	15.88	120	7.49	708	11.9	-83	3.0	0.72
0910	16.88	120	7.50	707	11.9	-87	2.3	0.70

Flow rates in ml/min

OBSERVATIONS

Calibration: 6/22/23 0835

pH: 7.00 4.00 10.00

Sc: 1414µs Set to 1414µs

Turbidity: 0.0/10.0

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID MW-13S LAB ID 7

DATE 6/22/23 INITIAL SWL 7.60 CREW KF, KL SAMPLE TIME 1005

DEVICE QED MP 50 WEATHER 65°F Cloudy

TIME	SWL	FLOW	PH	COND	TEMP	REDOX	TURBIDITY	D.O.
0945	7.60	120	–	–	–	–	KF	–
0950	8.00	120	7.47	636	12.3	97	~~1.09~~ 36	1.69
0955	8.50	120	7.37	648	12.3	89	9.9	1.20
1000	9.00	120	7.36	651	12.3	85	6.8	1.99
1005	9.50	120	7.35	653	12.3	87	6.2	1.14

Flow rates in ml/min

OBSERVATIONS

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID MW-17 LAB ID 8

DATE 6/22/23 INITIAL SWL 5.08 CREW KF, KL SAMPLE TIME 1110

DEVICE QED MP 50 WEATHER 68°F P. cloudy

TIME	SWL	FLOW	PH	COND	TEMP	REDOX	TURBIDITY	D.O.
1040	5.08	120	—	—	—	—	—	—
1045	8.22	120	7.40	1734	12.2	-33	3.2	2.44
1050	11.00	120	7.26	1721	12.4	28	2.0	2.07
1055	11.75	120	7.26	1736	12.4	52	2.4	2.05
1100	11.75	120	7.25	1744	12.4	58	2.2	1.55
1105	11.75	120	7.24	1743	12.2	65	2.0	1.21
1110	11.75	120	7.24	1734	12.2	68	1.7	1.11

Flow rates in ml/min

OBSERVATIONS

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID PZ-3 LAB ID 9

DATE 6/22/23 INITIAL SWL 6.95 CREW KF, KL SAMPLE TIME 1200

DEVICE QED MP 50 WEATHER 70°F P. Cloudy

TIME	SWL	FLOW	PH	COND	TEMP	REDOX	TURBIDITY	D.O.
1140	6.95	120	—	—	—	—	—	—
1145	8.30	120	6.93	1277	11.8	-108	2.5	1.30
1150	8.50	120	6.89	1260	11.8	-109	2.3	1.29
1155	8.60	120	6.90	1260	11.8	-110	2.3	1.23
1200	8.85	120	6.90	1234	11.8	-117	1.9	1.04

Flow rates in ml/min

OBSERVATIONS

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID MW-8D LAB ID 10

DATE 6/22/23 INITIAL SWL 92.88 CREW KF, KL SAMPLE TIME 1325

DEVICE QED MP 50 WEATHER 70°F Cloudy

TIME	SWL	FLOW	PH	COND	TEMP	REDOX	TURBIDITY	D.O.
1245	92.88	120	—	—	—	—	—	—
1250	93.82	120	7.23	891	16.5	-123	9.6	1.10
1255	94.00	120	7.22	884	15.2	-135	8.1	0.84
1300	94.00	120	7.18	870	15.2	-139	6.6	0.94
1305	94.00	120	7.19	868	15.2	-139	5.1	1.62
1310	94.00	120	7.19	874	15.2	-139	6.6	1.78
1315	94.00	120	7.21	870	15.2	-136	5.4	1.27
1320	94.00	120	7.20	880	15.2	-136	4.7	1.18
1325	94.00	120	7.21	862	15.2	-134	4.6	1.02

Flow rates in ml/min

OBSERVATIONS

FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells LAB ID 11 + 12 Dup

SAMPLE POINT ID MW-16 Dup

PURGE INFORMATION

Well Depth (ft.) 22.05 Purge Date 6/21/2023 Purge Method Bailer

SWL (ft.) 16.51 Start Time 0848 Stop Time 0852

Standing Water (ft.) 5.54 Volume Purged gal. 2.7 # casings 3.0

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

Well Volume (gal.) 0.9

SAMPLING INFORMATION

Sample Method Bailer

Date 6/22/2023 Time 0715 SWL 16.57

Appearance Light Turbid to Turbid Tan

Weather Conditions Mostly Sunny 60°

Sampling Technician (Print) Quinten Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.32	7.25
Myron 6p	Conductivity	µmhos/cm	658	661
Myron 6p	Temperature	Degrees Celsius	11.9	12.0
Myron 6p	Redox	millivolts	113	110
Lamotte	Turbidity	NTU	20.2	14.4

Calibration Date/Time 6/22/2023 0705 pH = 7.00/4.00/10.00 Conductivity = 1411 set 1411

Turbidity = 0.0/10.0

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells LAB ID 13

SAMPLE POINT ID PZ-2

PURGE INFORMATION

Well Depth (ft.) 37.14 Purge Date 6/21/2023 Purge Method Bailer

SWL (ft.) 34.44 Start Time 0920 Stop Time 0923

Standing Water (ft.) 2.70 Volume Purged gal. 1.2 # casings 3.0

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

Well Volume (gal.) 0.4 to Light Tan Tint

SAMPLING INFORMATION

Sample Method Bailer

Date 6/22/2023 Time 0735 SWL 34.65

Appearance Clear to Light Tan Tint

Weather Conditions Mostly Sunny 60°

Sampling Technician (Print) Quinton Kolbek Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.88	6.88
Myron 6p	Conductivity	µmhos/cm	3144	3144
Myron 6p	Temperature	Degrees Celsius	11.4	11.4
Myron 6p	Redox	millivolts	-112	—
Lamotte	Turbidity	NTU	4.7	—

Calibration Date/Time 6/22/2023 0705 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells LAB ID 14+15 QC

SAMPLE POINT ID MW-4S QC

PURGE INFORMATION

Well Depth (ft.) 40.95 Purge Date 6/21/2023 Purge Method Waterra

SWL (ft.) 35.58 Start Time 0943 Stop Time 0944

Standing Water (ft.) 5.37 Volume Purged gal. 1.5 # casings 1.7 to Dry

Well Constant (gal/ft.) 0.163 Observations Clear to Light Turb'd Tan

Well Volume (gal.) 0.9

SAMPLING INFORMATION QC2023

Sample Method ~~Bailer~~ Waterra

Date 6/22/2023 Time 0800 SWL 35.94

Appearance Light Tan Tint Turb'd

Weather Conditions Mostly Cloudy 60°

Sampling Technician (Print) Quinton Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.75	6.74
Myron 6p	Conductivity	µmhos/cm	1378	1378
Myron 6p	Temperature	Degrees Celsius	11.8	11.8
Myron 6p	Redox	millivolts	111	—
Lamotte	Turbidity	NTU	7.2	—

Calibration Date/Time 6/22/2023 0705 pH = Conductivity =

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells **LAB ID** 16

SAMPLE POINT ID MW-4D

PURGE INFORMATION

Well Depth (ft.) 131.43 Purge Date 6/21/2023 Purge Method Bailer

SWL (ft.) 119.85 Start Time 1000 Stop Time 1034

Standing Water (ft.) 11.58 Volume Purged gal. 5.7 # casings 3.0

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

Well Volume (gal.) 1.9

SAMPLING INFORMATION

Sample Method Bailer

Date 6/22/2023 Time 0830 SWL 121.22

Appearance Turbid Tan/Gray

Weather Conditions Mostly Cloudy 65°

Sampling Technician (Print) Quinton Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.55	7.55
Myron 6p	Conductivity	µmhos/cm	1257	1258
Myron 6p	Temperature	Degrees Celsius	12.4	12.4
Myron 6p	Redox	millivolts	-102	—
Lamotte	Turbidity	NTU	43.3	—

Calibration Date/Time 6 / 22 / 2023 0705 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual wells **LAB ID** 17

SAMPLE POINT ID MW-3S

PURGE INFORMATION

Well Depth (ft.) 37.61 Purge Date 6/21/2023 Purge Method Bailer

SWL (ft.) 25.02 Start Time 1107 Stop Time 1116

Standing Water (ft.) 12.59 Volume Purged gal. 4.0 # casings 1.9 to Dry

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

Well Volume (gal.) 2.1

SAMPLING INFORMATION

Sample Method Bailer

Date 6/22/2023 Time 0910 SWL 36.09

Appearance Light Turbid Tan to Turbid Tan

Weather Conditions Partly Cloudy 65°

Sampling Technician (Print) Quinten Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.43	7.43
Myron 6p	Conductivity	µmhos/cm	915	916
Myron 6p	Temperature	Degrees Celsius	12.1	12.1
Myron 6p	Redox	millivolts	74	—
Lamotte	Turbidity	NTU	12.3	—

Calibration Date/Time 6 / 22 / 2023 0705 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Land Fill Semi-annual wells LAB ID 18

SAMPLE POINT ID MW-15

PURGE INFORMATION

Well Depth (ft.) 30.22 Purge Date 6/21/2023 Purge Method Bailer

SWL (ft.) 16.46 Start Time 1137 Stop Time 1147

Standing Water (ft.) 13.76 Volume Purged gal. 6.6 # casings 3.0

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

Well Volume (gal.) 2.2 Tan

SAMPLING INFORMATION

Sample Method Bailer

Date 6/22/2023 Time 0935 SWL 18.33

Appearance Light Tan Light Turbid

Weather Conditions Partly cloudy 70°

Sampling Technician (Print) Quinten Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.41	7.40
Myron 6p	Conductivity	µmhos/cm	714	715
Myron 6p	Temperature	Degrees Celsius	10.4	10.4
Myron 6p	Redox	millivolts	-43	—
Lamotte	Turbidity	NTU	14.1	—

Calibration Date/Time 6/22/2023 0705 pH = Conductivity =

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells **LAB ID** 19

SAMPLE POINT ID MW-12D

PURGE INFORMATION

Well Depth (ft.) 98.96 Purge Date 6/21/2023 Purge Method Bailer

SWL (ft.) 79.02 Start Time 1220 Stop Time 1234

Standing Water (ft.) 19.94 Volume Purged gal. 3.3 # casings 1.0 to Dry

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

Well Volume (gal.) 3.3 to Light Gray/Tan Turbid

SAMPLING INFORMATION

Sample Method Bailer

Date 6/22/2023 Time 1000 SWL 82.51

Appearance Light Turbid Light Tan

Weather Conditions Mostly Cloudy 70°

Sampling Technician (Print) Quinton Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	11.89	11.89
Myron 6p	Conductivity	µmhos/cm	1425	1424
Myron 6p	Temperature	Degrees Celsius	11.3	11.3
Myron 6p	Redox	millivolts	-204	—
Lamotte	Turbidity	NTU	10.3	—

Calibration Date/Time 6/22/2023 0705 **pH =** **Conductivity =**

OBSERVATIONS **Turbidity =**

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells **LAB ID** 20

SAMPLE POINT ID PW-8

PURGE INFORMATION

Well Depth (ft.) 23.92 Purge Date 6/21/2023 Purge Method Pump

SWL (ft.) 20.94 Start Time 1248 Stop Time 1249

Standing Water (ft.) 2.98 Volume Purged gal. 1.9 # casings 1.0 to Dry

Well Constant (gal/ft.) 0.653 Observations Clear to Light Turb's

Well Volume (gal.) 1.9 Gray

SAMPLING INFORMATION

Sample Method Bailer

Date 6/22/2023 Time 1030 SWL 20.94

Appearance Clear to Turbid Gay / Black

Weather Conditions Mostly Sunny 70°

Sampling Technician (Print) Quinton Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.24	7.24
Myron 6p	Conductivity	µmhos/cm	1292	1293
Myron 6p	Temperature	Degrees Celsius	10.6	10.6
Myron 6p	Redox	millivolts	-46	—
Lamotte	Turbidity	NTU	10.3	—

Calibration Date/Time 6/22/2023 0705 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells **LAB ID** 21

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 6/22/2023 Time 1055 SWL —

Appearance Light Turbid Tan

Weather Conditions Mostly Sunny 70°

Sampling Technician (Print) Robert Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.73	7.73
Myron 6p	Conductivity	µmhos/cm	910	910
Myron 6p	Temperature	Degrees Celsius	15.3	15.3
Myron 6p	Redox	millivolts	56	—
Lamotte	Turbidity	NTU	12.4	—

Calibration Date/Time 6/22/2023 0705 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

DO: 3.76 mg/L

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Semi-annual Wells **LAB ID** 22

SAMPLE POINT ID Down Stream

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 6/22/2023 Time 1125 SWL —

Appearance Light Turb'd Tan

Weather Conditions Mostly Sunny 70°

Sampling Technician (Print) Quinton Kolbecke Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	8.23	8.23
Myron 6p	Conductivity	µmhos/cm	768	769
Myron 6p	Temperature	Degrees Celsius	17.0	17.0
Myron 6p	Redox	millivolts	84	—
Lamotte	Turbidity	NTU	6.4	—

Calibration Date/Time 6/22/2023 0705 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

DO: 8.58 mg/L

Sampling procedures were performed in accordance with all applicable protocols.

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

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.

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/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

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.

* 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.

H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.

Spike was diluted out.

+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).

X See Case Narrative for discussion.

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.

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).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

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 **Service Request:** R2305581
Project: Torrey Landfill

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

Client: Barton & Loguidice, DPC **Service Request:** R2305581
Project: Torrey Landfill/

Sample Name: MW-5S_062123 **Date Collected:** 06/21/23
Lab Code: R2305581-001 **Date Received:** 06/21/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		KWONG
351.2	GNITAJOUPPI	GNITAJOUPPI
410.4		MROGERSON
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		CCAMPBELL
SM 5310 B-2014		CWOODS

Sample Name: MW-15_062123 **Date Collected:** 06/21/23
Lab Code: R2305581-002 **Date Received:** 06/21/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		KWONG
351.2	GNITAJOUPPI	GNITAJOUPPI
410.4		MROGERSON
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON

Client: Barton & Loguidice, DPC **Service Request:** R2305581
Project: Torrey Landfill/

Sample Name: MW-15_062123 **Date Collected:** 06/21/23
Lab Code: R2305581-002 **Date Received:** 06/21/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
SM 4500-H+ B		JJANSON
SM 5210 B-2016		CCAMPBELL
SM 5310 B-2014		KWONG

Sample Name: PW-2_062123 **Date Collected:** 06/21/23
Lab Code: R2305581-003 **Date Received:** 06/21/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		KWONG
351.2	GNITAJOUPPI	GNITAJOUPPI
410.4		MROGERSON
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		CCAMPBELL
SM 5310 B-2014		KWONG

Sample Name: PW-10_062123 **Date Collected:** 06/21/23
Lab Code: R2305581-004 **Date Received:** 06/21/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON

Client: Barton & Loguidice, DPC **Service Request:** R2305581
Project: Torrey Landfill/

Sample Name: PW-10_062123 **Date Collected:** 06/21/23
Lab Code: R2305581-004 **Date Received:** 06/21/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
180.1		JJANSON
300.0		KAWONG
350.1		KWONG
351.2	GNITAJOUPPI	GNITAJOUPPI
410.4		MROGERSON
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		CCAMPBELL
SM 5310 B-2014		KWONG

Sample Name: PW-5_062123 **Date Collected:** 06/21/23
Lab Code: R2305581-005 **Date Received:** 06/21/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		KWONG
351.2	GNITAJOUPPI	GNITAJOUPPI
410.4		MROGERSON
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

Client: Barton & Loguidice, DPC **Service Request:** R2305581
Project: Torrey Landfill/

Sample Name: PW-5_062123 **Date Collected:** 06/21/23
Lab Code: R2305581-005 **Date Received:** 06/21/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
SM 4500-O G		JJANSON
SM 5210 B-2016		CCAMPBELL
SM 5310 B-2014		KWONG

Sample Name: MW-12M_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-006 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		GNITAJOUPPI
351.2	CCAMPBELL	GNITAJOUPPI
410.4		MROGERSON
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		CCAMPBELL
SM 5310 B-2014		KWONG

Sample Name: MW-13S_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-007 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON

Client: Barton & Loguidice, DPC **Service Request:** R2305581
Project: Torrey Landfill/

Sample Name: MW-13S_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-007 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
180.1		JJANSON
300.0		KAWONG
350.1		GNITAJOUPPI
351.2	CCAMPBELL	GNITAJOUPPI
410.4		MROGERSON
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		CCAMPBELL
SM 5310 B-2014		KWONG

Sample Name: MW-17_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-008 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		GNITAJOUPPI
351.2	CCAMPBELL	GNITAJOUPPI
410.4		MROGERSON
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

Client: Barton & Loguidice, DPC **Service Request:** R2305581
Project: Torrey Landfill/

Sample Name: MW-17_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-008 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
SM 4500-O G		JJANSON
SM 5210 B-2016		CCAMPBELL
SM 5310 B-2014		CWOODS

Sample Name: PZ-3_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-009 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		GNITAJOUPPI
351.2	CCAMPBELL	GNITAJOUPPI
410.4		MROGERSON
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		CCAMPBELL
SM 5310 B-2014		CWOODS

Sample Name: MW-8D_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-010 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON

Client: Barton & Loguidice, DPC **Service Request:** R2305581
Project: Torrey Landfill/

Sample Name: MW-8D_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-010 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
180.1		JJANSON
300.0		KAWONG
350.1		GNITAJOUPPI
351.2	CCAMPBELL	GNITAJOUPPI
410.4		MROGERSON
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		CCAMPBELL
SM 5310 B-2014		CWOODS

Sample Name: MW-16_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-011 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		GNITAJOUPPI
351.2	CCAMPBELL	GNITAJOUPPI
410.4		MROGERSON
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

Client: Barton & Loguidice, DPC **Service Request:** R2305581
Project: Torrey Landfill/

Sample Name: MW-16_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-011 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
SM 5210 B-2016		CCAMPBELL
SM 5310 B-2014		CWOODS

Sample Name: MW-16DUP_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-012 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		GNITAJOUPPI
351.2	CCAMPBELL	GNITAJOUPPI
410.4		MROGERSON
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		CCAMPBELL
SM 5310 B-2014		CWOODS

Sample Name: PZ-2_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-013 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG

Client: Barton & Loguidice, DPC **Service Request:** R2305581
Project: Torrey Landfill/

Sample Name: PZ-2_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-013 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
350.1		GNITAJOUPPI
351.2	CCAMPBELL	GNITAJOUPPI
410.4		MROGERSON
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		CCAMPBELL
SM 5310 B-2014		CWOODS

Sample Name: MW-4S_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-014 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		GNITAJOUPPI
351.2	CCAMPBELL	GNITAJOUPPI
410.4		MROGERSON
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		CCAMPBELL
SM 5310 B-2014		CWOODS

Client: Barton & Loguidice, DPC **Service Request:** R2305581
Project: Torrey Landfill/

Sample Name: MW-4D_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-015 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		GNITAJOUPPI
351.2	CCAMPBELL	GNITAJOUPPI
410.4		MROGERSON
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		CCAMPBELL
SM 5310 B-2014		CWOODS

Sample Name: MW-3S_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-016 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		GNITAJOUPPI
351.2	CCAMPBELL	GNITAJOUPPI
410.4		MROGERSON
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

Client: Barton & Loguidice, DPC **Service Request:** R2305581
Project: Torrey Landfill/

Sample Name: MW-3S_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-016 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
SM 5210 B-2016		CCAMPBELL
SM 5310 B-2014		KWONG

Sample Name: MW-1S_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-017 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		GNITAJOUPPI
351.2	CCAMPBELL	GNITAJOUPPI
410.4		MROGERSON
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		CCAMPBELL
SM 5310 B-2014		CWOODS

Sample Name: MW-12D_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-018 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON

Client: Barton & Loguidice, DPC **Service Request:** R2305581
Project: Torrey Landfill/

Sample Name: MW-12D_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-018 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
300.0		KAWONG
350.1		GNITAJOUPPI
351.2	CCAMPBELL	GNITAJOUPPI
410.4		MROGERSON
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		CCAMPBELL
SM 5310 B-2014		CWOODS

Sample Name: PW-8_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-019 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		GNITAJOUPPI
351.2	CCAMPBELL	GNITAJOUPPI
410.4		MROGERSON
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		CCAMPBELL
SM 5310 B-2014		CWOODS

Client: Barton & Loguidice, DPC **Service Request:** R2305581
Project: Torrey Landfill/

Sample Name: Upstream_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-020 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		GNITAJOUPPI
351.2	CCAMPBELL	GNITAJOUPPI
410.4		MROGERSON
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		CCAMPBELL
SM 5310 B-2014		KWONG

Sample Name: Downstream_062223 **Date Collected:** 06/22/23
Lab Code: R2305581-021 **Date Received:** 06/22/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		GNITAJOUPPI
351.2	CCAMPBELL	GNITAJOUPPI
410.4		MROGERSON
6010C	CDISTEFANO	NMANSEN
9066		BBOWE
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill/		

Sample Name:	Downstream_062223	**Date Collected:**	06/22/23
Lab Code:	R2305581-021	**Date Received:**	06/22/23
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		CCAMPBELL
SM 5310 B-2014		CWOODS

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
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

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

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/21/23 09:15
Sample Matrix:	Water	**Date Received:**	06/21/23 15:15
Sample Name:	MW-5S_062123	**Basis:**	NA
Lab Code:	R2305581-001		

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	06/27/23 18:56	06/22/23	
Calcium, Total	6010C	**146000**	ug/L	1000	1	06/27/23 18:56	06/22/23	
Iron, Total	6010C	**34000**	ug/L	100	1	06/27/23 18:56	06/22/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	06/27/23 18:56	06/22/23	
Magnesium, Total	6010C	**54800**	ug/L	1000	1	06/27/23 18:56	06/22/23	
Manganese, Total	6010C	**677**	ug/L	10	1	06/27/23 18:56	06/22/23	
Potassium, Total	6010C	**4000**	ug/L	2000	1	06/27/23 18:56	06/22/23	
Sodium, Total	6010C	**93700**	ug/L	1000	1	06/27/23 18:56	06/22/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/21/23 10:15
Sample Matrix:	Water	**Date Received:**	06/21/23 15:15
Sample Name:	MW-15_062123	**Basis:**	NA
Lab Code:	R2305581-002		

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	06/27/23 18:59	06/22/23	
Calcium, Total	6010C	**70900**	ug/L	1000	1	06/27/23 18:59	06/22/23	
Iron, Total	6010C	**8330**	ug/L	100	1	06/27/23 18:59	06/22/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	06/27/23 18:59	06/22/23	
Magnesium, Total	6010C	**39600**	ug/L	1000	1	06/27/23 18:59	06/22/23	
Manganese, Total	6010C	**133**	ug/L	10	1	06/27/23 18:59	06/22/23	
Potassium, Total	6010C	**16500**	ug/L	2000	1	06/27/23 18:59	06/22/23	
Sodium, Total	6010C	**39000**	ug/L	1000	1	06/27/23 18:59	06/22/23	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/21/23 11:50
Sample Matrix:	Water	**Date Received:**	06/21/23 15:15
Sample Name:	PW-2_062123	**Basis:**	NA
Lab Code:	R2305581-003		

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	06/27/23 19:02	06/22/23	
Calcium, Total	6010C	**143000**		ug/L	1000	1	06/27/23 19:02	06/22/23	
Iron, Total	6010C	100	U	ug/L	100	1	06/27/23 19:02	06/22/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	06/27/23 19:02	06/22/23	
Magnesium, Total	6010C	**42100**		ug/L	1000	1	06/27/23 19:02	06/22/23	
Manganese, Total	6010C	**1140**		ug/L	10	1	06/27/23 19:02	06/22/23	
Potassium, Total	6010C	**3100**		ug/L	2000	1	06/27/23 19:02	06/22/23	
Sodium, Total	6010C	**34300**		ug/L	1000	1	06/27/23 19:02	06/22/23	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/21/23 12:50
Sample Matrix:	Water	**Date Received:**	06/21/23 15:15
Sample Name:	PW-10_062123	**Basis:**	NA
Lab Code:	R2305581-004		

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	06/27/23 19:06	06/22/23	
Calcium, Total	6010C	**78400**		ug/L	1000	1	06/27/23 19:06	06/22/23	
Iron, Total	6010C	100	U	ug/L	100	1	06/27/23 19:06	06/22/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	06/27/23 19:06	06/22/23	
Magnesium, Total	6010C	**34200**		ug/L	1000	1	06/27/23 19:06	06/22/23	
Manganese, Total	6010C	10	U	ug/L	10	1	06/27/23 19:06	06/22/23	
Potassium, Total	6010C	**2100**		ug/L	2000	1	06/27/23 19:06	06/22/23	
Sodium, Total	6010C	**10600**		ug/L	1000	1	06/27/23 19:06	06/22/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/21/23 13:30
Sample Matrix:	Water	**Date Received:**	06/21/23 15:15
Sample Name:	PW-5_062123	**Basis:**	NA
Lab Code:	R2305581-005		

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	06/27/23 19:09	06/22/23	
Calcium, Total	6010C	**129000**		ug/L	1000	1	06/27/23 19:09	06/22/23	
Iron, Total	6010C	100	U	ug/L	100	1	06/27/23 19:09	06/22/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	06/27/23 19:09	06/22/23	
Magnesium, Total	6010C	**27200**		ug/L	1000	1	06/27/23 19:09	06/22/23	
Manganese, Total	6010C	10	U	ug/L	10	1	06/27/23 19:09	06/22/23	
Potassium, Total	6010C	**4900**		ug/L	2000	1	06/27/23 19:09	06/22/23	
Sodium, Total	6010C	**3900**		ug/L	1000	1	06/27/23 19:09	06/22/23	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 09:10
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-12M_062223	**Basis:**	NA
Lab Code:	R2305581-006		

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	06/28/23 00:02	06/26/23	
Calcium, Total	6010C	**89900**		ug/L	1000	1	06/28/23 00:02	06/26/23	
Iron, Total	6010C	**320**		ug/L	100	1	06/28/23 00:02	06/26/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	06/28/23 00:02	06/26/23	
Magnesium, Total	6010C	**33300**		ug/L	1000	1	06/28/23 00:02	06/26/23	
Manganese, Total	6010C	**111**		ug/L	10	1	06/28/23 00:02	06/26/23	
Potassium, Total	6010C	2000	U	ug/L	2000	1	06/28/23 00:02	06/26/23	
Sodium, Total	6010C	**16300**		ug/L	1000	1	06/28/23 00:02	06/26/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 10:05
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-13S_062223	**Basis:**	NA
Lab Code:	R2305581-007		

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	06/28/23 00:05	06/26/23	
Calcium, Total	6010C	**81700**		ug/L	1000	1	06/28/23 00:05	06/26/23	
Iron, Total	6010C	**180**		ug/L	100	1	06/28/23 00:05	06/26/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	06/28/23 00:05	06/26/23	
Magnesium, Total	6010C	**31800**		ug/L	1000	1	06/28/23 00:05	06/26/23	
Manganese, Total	6010C	10	U	ug/L	10	1	06/28/23 00:05	06/26/23	
Potassium, Total	6010C	2000	U	ug/L	2000	1	06/28/23 00:05	06/26/23	
Sodium, Total	6010C	**11200**		ug/L	1000	1	06/28/23 00:05	06/26/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 11:10
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-17_062223	**Basis:**	NA
Lab Code:	R2305581-008		

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	06/28/23 00:08	06/26/23	
Calcium, Total	6010C	**116000**		ug/L	1000	1	06/28/23 00:08	06/26/23	
Iron, Total	6010C	100	U	ug/L	100	1	06/28/23 00:08	06/26/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	06/28/23 00:08	06/26/23	
Magnesium, Total	6010C	**134000**		ug/L	1000	1	06/28/23 00:08	06/26/23	
Manganese, Total	6010C	**229**		ug/L	10	1	06/28/23 00:08	06/26/23	
Potassium, Total	6010C	**3700**		ug/L	2000	1	06/28/23 00:08	06/26/23	
Sodium, Total	6010C	**30500**		ug/L	1000	1	06/28/23 00:08	06/26/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 12:00
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	PZ-3_062223	**Basis:**	NA
Lab Code:	R2305581-009		

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	06/28/23 00:11	06/26/23	
Calcium, Total	6010C	**174000**		ug/L	1000	1	06/28/23 00:11	06/26/23	
Iron, Total	6010C	**1500**		ug/L	100	1	06/28/23 00:11	06/26/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	06/28/23 00:11	06/26/23	
Magnesium, Total	6010C	**62800**		ug/L	1000	1	06/28/23 00:11	06/26/23	
Manganese, Total	6010C	**86**		ug/L	10	1	06/28/23 00:11	06/26/23	
Potassium, Total	6010C	2000	U	ug/L	2000	1	06/28/23 00:11	06/26/23	
Sodium, Total	6010C	**14000**		ug/L	1000	1	06/28/23 00:11	06/26/23	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 13:25
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-8D_062223	**Basis:**	NA
Lab Code:	R2305581-010		

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	06/28/23 00:15	06/26/23	
Calcium, Total	6010C	**81300**		ug/L	1000	1	06/28/23 00:15	06/26/23	
Iron, Total	6010C	**4200**		ug/L	100	1	06/28/23 00:15	06/26/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	06/28/23 00:15	06/26/23	
Magnesium, Total	6010C	**27900**		ug/L	1000	1	06/28/23 00:15	06/26/23	
Manganese, Total	6010C	**73**		ug/L	10	1	06/28/23 00:15	06/26/23	
Potassium, Total	6010C	2000	U	ug/L	2000	1	06/28/23 00:15	06/26/23	
Sodium, Total	6010C	**63300**		ug/L	1000	1	06/28/23 00:15	06/26/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 07:15
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-16_062223	**Basis:**	NA
Lab Code:	R2305581-011		

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	06/28/23 00:18	06/26/23	
Calcium, Total	6010C	**99300**	ug/L	1000	1	06/28/23 00:18	06/26/23	
Iron, Total	6010C	**1030**	ug/L	100	1	06/28/23 00:18	06/26/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	06/28/23 00:18	06/26/23	
Magnesium, Total	6010C	**29700**	ug/L	1000	1	06/28/23 00:18	06/26/23	
Manganese, Total	6010C	**50**	ug/L	10	1	06/28/23 00:18	06/26/23	
Potassium, Total	6010C	**2200**	ug/L	2000	1	06/28/23 00:18	06/26/23	
Sodium, Total	6010C	**5100**	ug/L	1000	1	06/28/23 00:18	06/26/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 07:15
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-16DUP_062223	**Basis:**	NA
Lab Code:	R2305581-012		

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	06/28/23 00:21	06/26/23	
Calcium, Total	6010C	**101000**		ug/L	1000	1	06/28/23 00:21	06/26/23	
Iron, Total	6010C	**760**		ug/L	100	1	06/28/23 00:21	06/26/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	06/28/23 00:21	06/26/23	
Magnesium, Total	6010C	**30000**		ug/L	1000	1	06/28/23 00:21	06/26/23	
Manganese, Total	6010C	**50**		ug/L	10	1	06/28/23 00:21	06/26/23	
Potassium, Total	6010C	**2100**		ug/L	2000	1	06/28/23 00:21	06/26/23	
Sodium, Total	6010C	**5100**		ug/L	1000	1	06/28/23 00:21	06/26/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 07:35
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	PZ-2_062223	**Basis:**	NA
Lab Code:	R2305581-013		

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	06/28/23 00:24	06/26/23	
Calcium, Total	6010C	**222000**		ug/L	1000	1	06/28/23 00:24	06/26/23	
Iron, Total	6010C	**15000**		ug/L	100	1	06/28/23 00:24	06/26/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	06/28/23 00:24	06/26/23	
Magnesium, Total	6010C	**123000**		ug/L	1000	1	06/28/23 00:24	06/26/23	
Manganese, Total	6010C	**610**		ug/L	10	1	06/28/23 00:24	06/26/23	
Potassium, Total	6010C	**6100**		ug/L	2000	1	06/28/23 00:24	06/26/23	
Sodium, Total	6010C	**316000**		ug/L	10000	10	06/28/23 19:28	06/26/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 08:00
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-4S_062223	**Basis:**	NA
Lab Code:	R2305581-014		

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	06/28/23 00:34	06/26/23	
Calcium, Total	6010C	**207000**		ug/L	1000	1	06/28/23 00:34	06/26/23	
Iron, Total	6010C	**2550**		ug/L	100	1	06/28/23 00:34	06/26/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	06/28/23 00:34	06/26/23	
Magnesium, Total	6010C	**66800**		ug/L	1000	1	06/28/23 00:34	06/26/23	
Manganese, Total	6010C	**1620**		ug/L	10	1	06/28/23 00:34	06/26/23	
Potassium, Total	6010C	**5300**		ug/L	2000	1	06/28/23 00:34	06/26/23	
Sodium, Total	6010C	**17600**		ug/L	1000	1	06/28/23 00:34	06/26/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 08:30
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-4D_062223	**Basis:**	NA
Lab Code:	R2305581-015		

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	06/28/23 00:50	06/26/23	
Calcium, Total	6010C	**22900**	ug/L	1000	1	06/28/23 00:50	06/26/23	
Iron, Total	6010C	**5030**	ug/L	100	1	06/28/23 00:50	06/26/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	06/28/23 00:50	06/26/23	
Magnesium, Total	6010C	**7600**	ug/L	1000	1	06/28/23 00:50	06/26/23	
Manganese, Total	6010C	**150**	ug/L	10	1	06/28/23 00:50	06/26/23	
Potassium, Total	6010C	**3900**	ug/L	2000	1	06/28/23 00:50	06/26/23	
Sodium, Total	6010C	**295000**	ug/L	10000	10	06/28/23 19:31	06/26/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 09:10
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-3S_062223	**Basis:**	NA
Lab Code:	R2305581-016		

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	06/28/23 00:54	06/26/23	
Calcium, Total	6010C	**58800**	ug/L	1000	1	06/28/23 00:54	06/26/23	
Iron, Total	6010C	**530**	ug/L	100	1	06/28/23 00:54	06/26/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	06/28/23 00:54	06/26/23	
Magnesium, Total	6010C	**87800**	ug/L	1000	1	06/28/23 00:54	06/26/23	
Manganese, Total	6010C	**18**	ug/L	10	1	06/28/23 00:54	06/26/23	
Potassium, Total	6010C	**4100**	ug/L	2000	1	06/28/23 00:54	06/26/23	
Sodium, Total	6010C	**22700**	ug/L	1000	1	06/28/23 00:54	06/26/23	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 09:35
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-1S_062223	**Basis:**	NA
Lab Code:	R2305581-017		

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	06/28/23 00:57	06/26/23	
Calcium, Total	6010C	**91600**		ug/L	1000	1	06/28/23 00:57	06/26/23	
Iron, Total	6010C	**1960**		ug/L	100	1	06/28/23 00:57	06/26/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	06/28/23 00:57	06/26/23	
Magnesium, Total	6010C	**38500**		ug/L	1000	1	06/28/23 00:57	06/26/23	
Manganese, Total	6010C	**91**		ug/L	10	1	06/28/23 00:57	06/26/23	
Potassium, Total	6010C	2000	U	ug/L	2000	1	06/28/23 00:57	06/26/23	
Sodium, Total	6010C	**10900**		ug/L	1000	1	06/28/23 00:57	06/26/23	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 10:00
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-12D_062223	**Basis:**	NA
Lab Code:	R2305581-018		

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	06/28/23 01:00	06/26/23	
Calcium, Total	6010C	**50100**		ug/L	1000	1	06/28/23 01:00	06/26/23	
Iron, Total	6010C	**150**		ug/L	100	1	06/28/23 01:00	06/26/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	06/28/23 01:00	06/26/23	
Magnesium, Total	6010C	**2100**		ug/L	1000	1	06/28/23 01:00	06/26/23	
Manganese, Total	6010C	10	U	ug/L	10	1	06/28/23 01:00	06/26/23	
Potassium, Total	6010C	**7300**		ug/L	2000	1	06/28/23 01:00	06/26/23	
Sodium, Total	6010C	**85700**		ug/L	1000	1	06/28/23 01:00	06/26/23	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 10:30
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	PW-8_062223	**Basis:**	NA
Lab Code:	R2305581-019		

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	06/28/23 01:03	06/26/23	
Calcium, Total	6010C	**174000**	ug/L	1000	1	06/28/23 01:03	06/26/23	
Iron, Total	6010C	**1810**	ug/L	100	1	06/28/23 01:03	06/26/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	06/28/23 01:03	06/26/23	
Magnesium, Total	6010C	**52200**	ug/L	1000	1	06/28/23 01:03	06/26/23	
Manganese, Total	6010C	**78**	ug/L	10	1	06/28/23 01:03	06/26/23	
Potassium, Total	6010C	**3400**	ug/L	2000	1	06/28/23 01:03	06/26/23	
Sodium, Total	6010C	**39900**	ug/L	1000	1	06/28/23 01:03	06/26/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 10:55
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	Upstream_062223	**Basis:**	NA
Lab Code:	R2305581-020		

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	06/28/23 01:13	06/26/23	
Calcium, Total	6010C	**126000**	ug/L	1000	1	06/28/23 01:13	06/26/23	
Iron, Total	6010C	**700**	ug/L	100	1	06/28/23 01:13	06/26/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	06/28/23 01:13	06/26/23	
Magnesium, Total	6010C	**40200**	ug/L	1000	1	06/28/23 01:13	06/26/23	
Manganese, Total	6010C	**1130**	ug/L	10	1	06/28/23 01:13	06/26/23	
Potassium, Total	6010C	**2700**	ug/L	2000	1	06/28/23 01:13	06/26/23	
Sodium, Total	6010C	**17200**	ug/L	1000	1	06/28/23 01:13	06/26/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 11:25
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	Downstream_062223	**Basis:**	NA
Lab Code:	R2305581-021		

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	06/28/23 01:16	06/26/23	
Calcium, Total	6010C	**92800**	ug/L	1000	1	06/28/23 01:16	06/26/23	
Iron, Total	6010C	**380**	ug/L	100	1	06/28/23 01:16	06/26/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	06/28/23 01:16	06/26/23	
Magnesium, Total	6010C	**32500**	ug/L	1000	1	06/28/23 01:16	06/26/23	
Manganese, Total	6010C	**38**	ug/L	10	1	06/28/23 01:16	06/26/23	
Potassium, Total	6010C	**4200**	ug/L	2000	1	06/28/23 01:16	06/26/23	
Sodium, Total	6010C	**26200**	ug/L	1000	1	06/28/23 01:16	06/26/23	

General Chemistry

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

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/21/23 09:15
Sample Matrix:	Water	**Date Received:**	06/21/23 15:15
Sample Name:	MW-5S_062123	**Basis:**	NA
Lab Code:	R2305581-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**707**		mg/L	6.0	3	06/27/23 10:53	NA	
Ammonia as Nitrogen, undistilled	350.1	**3.35**		mg/L	0.25	5	06/24/23 16:03	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	**18.3**		mg/L	2.0	1	06/22/23 07:15	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	06/21/23 16:12	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**51.3**		mg/L	4.0	4	07/16/23 18:55	NA	
Chemical Oxygen Demand, Total	410.4	**99.1**		mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	**50.3**		mg/L	2.0	10	06/21/23 16:12	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**591**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	06/21/23 16:12	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**4.47**		mg/L	0.20	1	06/27/23 14:11	06/26/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	06/26/23 16:34	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**820**		mg/L	29	1	06/22/23 10:30	NA	
Sulfate	300.0	2.0	U	mg/L	2.0	10	06/21/23 16:12	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/21/23 10:15
Sample Matrix:	Water	**Date Received:**	06/21/23 15:15
Sample Name:	MW-15_062123	**Basis:**	NA
Lab Code:	R2305581-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**470**	mg/L	2.0	1	06/27/23 11:12	NA	
Ammonia as Nitrogen, undistilled	350.1	**16.6**	mg/L	0.50	10	06/24/23 17:19	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/22/23 07:13	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/21/23 16:18	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**24.6**	mg/L	1.0	1	07/11/23 01:11	NA	
Chemical Oxygen Demand, Total	410.4	**15.1**	mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	**27.9**	mg/L	2.0	10	06/21/23 16:18	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**340**	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/21/23 16:18	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**16.4**	mg/L	1.0	5	06/27/23 14:14	06/26/23	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/26/23 16:39	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**466**	mg/L	14	1	06/22/23 10:30	NA	
Sulfate	300.0	**3.5**	mg/L	2.0	10	06/21/23 16:18	NA	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/21/23 11:50
Sample Matrix:	Water	**Date Received:**	06/21/23 15:15
Sample Name:	PW-2_062123	**Basis:**	NA
Lab Code:	R2305581-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**565**	mg/L	2.0	1	06/27/23 11:20	NA	
Ammonia as Nitrogen, undistilled	350.1	**0.177**	mg/L	0.050	1	06/24/23 17:21	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/22/23 07:14	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/21/23 16:24	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**38.2**	mg/L	1.0	1	07/11/23 01:29	NA	
Chemical Oxygen Demand, Total	410.4	**14.8**	mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	**43.3**	mg/L	2.0	10	06/21/23 16:24	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**531**	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/21/23 16:24	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.50**	mg/L	0.20	1	06/27/23 13:53	06/26/23	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/26/23 17:12	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**604**	mg/L	11	1	06/26/23 10:00	NA	
Sulfate	300.0	**7.8**	mg/L	2.0	10	06/21/23 16:24	NA	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/21/23 12:50
Sample Matrix:	Water	**Date Received:**	06/21/23 15:15
Sample Name:	PW-10_062123	**Basis:**	NA
Lab Code:	R2305581-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**354**		mg/L	2.0	1	06/27/23 11:28	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	06/24/23 16:08	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	**2.7**		mg/L	2.0	1	06/22/23 07:11	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	06/21/23 16:30	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**16.7**		mg/L	1.0	1	07/11/23 01:46	NA	
Chemical Oxygen Demand, Total	410.4	**11.4**		mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	**7.3**		mg/L	2.0	10	06/21/23 16:30	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**337**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	06/21/23 16:30	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.26**		mg/L	0.20	1	06/27/23 13:54	06/26/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	06/26/23 17:16	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**351**		mg/L	10	1	06/26/23 10:00	NA	
Sulfate	300.0	**3.0**		mg/L	2.0	10	06/21/23 16:30	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/21/23 13:30
Sample Matrix:	Water	**Date Received:**	06/21/23 15:15
Sample Name:	PW-5_062123	**Basis:**	NA
Lab Code:	R2305581-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**453**		mg/L	2.0	1	06/27/23 11:36	NA	
Ammonia as Nitrogen, undistilled	350.1	**0.587**		mg/L	0.050	1	06/24/23 16:09	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	06/22/23 07:05	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	06/21/23 16:37	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**23.3**		mg/L	1.0	1	07/11/23 02:03	NA	
Chemical Oxygen Demand, Total	410.4	**5.9**		mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	2.0	U	mg/L	2.0	10	06/21/23 16:37	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**435**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	06/21/23 16:37	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.73**		mg/L	0.20	1	06/27/23 13:55	06/26/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	06/26/23 17:21	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**444**		mg/L	11	1	06/26/23 10:00	NA	
Sulfate	300.0	**5.1**		mg/L	2.0	10	07/05/23 10:11	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 09:10
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-12M_062223	**Basis:**	NA
Lab Code:	R2305581-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**382**	mg/L	2.0	1	06/27/23 11:43	NA	
Ammonia as Nitrogen, undistilled	350.1	**0.290**	mg/L	0.050	1	06/28/23 13:14	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/23/23 06:25	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/23/23 08:03	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**7.9**	mg/L	1.0	1	07/11/23 02:20	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	**3.0**	mg/L	2.0	10	06/23/23 08:03	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	06/23/23 08:03	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.37**	mg/L	0.20	1	06/30/23 12:07	06/29/23	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/27/23 11:55	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**404**	mg/L	11	1	06/26/23 10:00	NA	
Sulfate	300.0	**18.6**	mg/L	2.0	10	06/23/23 08:03	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 10:05
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-13S_062223	**Basis:**	NA
Lab Code:	R2305581-007		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**318**		mg/L	2.0	1	06/27/23 11:50	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	06/28/23 13:17	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	06/23/23 06:22	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	06/23/23 08:09	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**7.7**		mg/L	1.0	1	07/11/23 02:37	NA	
Chemical Oxygen Demand, Total	410.4	**9.1**		mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	**20.4**		mg/L	2.0	10	06/23/23 08:09	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**335**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	06/23/23 08:09	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20	U	mg/L	0.20	1	06/30/23 12:10	06/29/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	06/27/23 12:09	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**368**		mg/L	10	1	06/26/23 10:00	NA	
Sulfate	300.0	**8.0**		mg/L	2.0	10	06/23/23 08:09	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 11:10
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-17_062223	**Basis:**	NA
Lab Code:	R2305581-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**424**		mg/L	2.0	1	06/27/23 11:58	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	06/28/23 13:18	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	**8.0**		mg/L	2.0	1	06/23/23 06:24	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	06/23/23 08:15	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**14.2**		mg/L	1.0	1	07/14/23 02:53	NA	
Chemical Oxygen Demand, Total	410.4	**6.3**		mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	**280**		mg/L	10	50	06/28/23 16:55	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**842**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	06/23/23 08:15	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20	U	mg/L	0.20	1	06/30/23 12:11	06/29/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	06/26/23 21:10	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**923**		mg/L	14	1	06/26/23 10:00	NA	
Sulfate	300.0	**68.9**		mg/L	2.0	10	06/23/23 08:15	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 12:00
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	PZ-3_062223	**Basis:**	NA
Lab Code:	R2305581-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**632**	mg/L	2.0	1	06/27/23 12:06	NA	
Ammonia as Nitrogen, undistilled	350.1	**0.083**	mg/L	0.050	1	06/28/23 13:19	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/23/23 06:27	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/23/23 08:21	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**22.6**	mg/L	1.0	1	07/14/23 03:46	NA	
Chemical Oxygen Demand, Total	410.4	**10.4**	mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	**8.2**	mg/L	2.0	10	06/23/23 08:21	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**694**	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/23/23 08:21	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.32**	mg/L	0.20	1	06/30/23 12:12	06/29/23	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/26/23 21:32	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**751**	mg/L	13	1	06/26/23 10:00	NA	
Sulfate	300.0	**85.7**	mg/L	2.0	10	06/23/23 08:21	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 13:25
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-8D_062223	**Basis:**	NA
Lab Code:	R2305581-010		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**419**	mg/L	2.0	1	06/27/23 12:14	NA	
Ammonia as Nitrogen, undistilled	350.1	**3.91**	mg/L	0.25	5	06/28/23 13:21	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	**5.4**	mg/L	2.0	1	06/23/23 06:21	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/23/23 08:53	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**10.7**	mg/L	1.0	1	07/14/23 04:03	NA	
Chemical Oxygen Demand, Total	410.4	**16.1**	mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	**37.2**	mg/L	2.0	10	06/23/23 08:53	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**318**	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/23/23 08:53	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**3.94**	mg/L	0.20	1	06/30/23 12:13	06/29/23	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/26/23 21:38	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**482**	mg/L	10	1	06/26/23 10:00	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	06/23/23 08:53	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 07:15
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-16_062223	**Basis:**	NA
Lab Code:	R2305581-011		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**371**		mg/L	2.0	1	06/27/23 12:21	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	06/28/23 13:22	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	06/23/23 06:25	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	06/23/23 08:59	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**19.6**		mg/L	1.0	1	07/14/23 04:21	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	2.0	U	mg/L	2.0	10	06/23/23 08:59	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**370**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	06/23/23 08:59	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.28**		mg/L	0.20	1	06/30/23 12:15	06/29/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	06/26/23 21:42	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**381**		mg/L	11	1	06/26/23 10:00	NA	
Sulfate	300.0	**8.2**		mg/L	2.0	10	06/23/23 08:59	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 07:15
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-16DUP_062223	**Basis:**	NA
Lab Code:	R2305581-012		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**368**		mg/L	2.0	1	06/27/23 12:42	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	06/28/23 13:24	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	06/23/23 06:23	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	06/23/23 09:05	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**15.2**		mg/L	1.0	1	07/14/23 04:38	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	2.0	U	mg/L	2.0	10	06/23/23 09:05	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**375**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	06/23/23 09:05	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.21**		mg/L	0.20	1	06/30/23 12:32	06/29/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	06/26/23 21:47	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**374**		mg/L	10	1	06/26/23 10:00	NA	
Sulfate	300.0	**8.1**		mg/L	2.0	10	06/23/23 09:05	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 07:35
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	PZ-2_062223	**Basis:**	NA
Lab Code:	R2305581-013		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**983**	mg/L	6.0	3	06/27/23 20:00	NA	
Ammonia as Nitrogen, undistilled	350.1	**3.21**	mg/L	0.25	5	06/28/23 13:25	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/23/23 05:51	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/23/23 09:12	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**18.7**	mg/L	1.0	1	07/14/23 04:55	NA	
Chemical Oxygen Demand, Total	410.4	**20.9**	mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	**406**	mg/L	20	100	06/28/23 17:01	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**1060**	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/23/23 09:12	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**3.64**	mg/L	0.20	1	06/30/23 12:33	06/29/23	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/26/23 21:52	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**1940**	mg/L	40	1	06/26/23 10:00	NA	
Sulfate	300.0	**214**	mg/L	20	100	06/28/23 17:01	NA	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 08:00
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-4S_062223	**Basis:**	NA
Lab Code:	R2305581-014		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**647**		mg/L	2.0	1	06/27/23 12:59	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	06/28/23 13:26	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	06/23/23 05:37	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	06/23/23 09:18	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**34.4**		mg/L	1.0	1	07/14/23 05:48	NA	
Chemical Oxygen Demand, Total	410.4	**19.0**		mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	**9.4**		mg/L	2.0	10	06/23/23 09:18	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**793**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	**6.3**		mg/L	1.0	10	06/23/23 09:18	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.56**		mg/L	0.20	1	06/30/23 12:18	06/29/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	06/26/23 21:56	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**919**		mg/L	14	1	06/26/23 10:00	NA	
Sulfate	300.0	**152**		mg/L	6.0	30	06/28/23 18:22	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 08:30
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-4D_062223	**Basis:**	NA
Lab Code:	R2305581-015		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**710**		mg/L	2.0	1	06/27/23 13:17	NA	
Ammonia as Nitrogen, undistilled	350.1	**2.35**		mg/L	0.25	5	06/28/23 14:46	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	**10.9**		mg/L	2.0	1	06/23/23 05:38	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	06/23/23 09:37	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**45.7**		mg/L	1.0	1	07/14/23 06:41	NA	
Chemical Oxygen Demand, Total	410.4	**17.7**		mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	**2.8**		mg/L	2.0	10	06/23/23 09:37	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**88.5**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	06/23/23 09:37	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**3.25**		mg/L	0.20	1	06/30/23 12:20	06/29/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	06/26/23 22:10	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**803**		mg/L	15	1	06/26/23 10:00	NA	
Sulfate	300.0	2.0	U	mg/L	2.0	10	06/23/23 09:37	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 09:10
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-3S_062223	**Basis:**	NA
Lab Code:	R2305581-016		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**490**		mg/L	2.0	1	06/27/23 13:25	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	06/28/23 13:33	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	06/23/23 05:33	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	06/23/23 09:43	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**18.9**		mg/L	1.0	1	07/11/23 09:00	NA	
Chemical Oxygen Demand, Total	410.4	**67.9**		mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	**4.1**		mg/L	2.0	10	06/23/23 09:43	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**508**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	06/23/23 09:43	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20	U	mg/L	0.20	1	06/30/23 12:21	06/29/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	06/26/23 22:15	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**521**		mg/L	11	1	06/26/23 10:00	NA	
Sulfate	300.0	**49.1**		mg/L	2.0	10	06/23/23 09:43	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 09:35
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-1S_062223	**Basis:**	NA
Lab Code:	R2305581-017		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**349**		mg/L	2.0	1	06/27/23 13:38	NA	
Ammonia as Nitrogen, undistilled	350.1	**0.250**		mg/L	0.050	1	06/28/23 13:34	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	06/23/23 05:32	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	06/23/23 09:49	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**12.0**		mg/L	1.0	1	07/14/23 06:58	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	**5.0**		mg/L	2.0	10	06/23/23 09:49	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**387**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	06/23/23 09:49	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.34**		mg/L	0.20	1	06/30/23 12:22	06/29/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	06/26/23 22:37	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**427**		mg/L	10	1	06/26/23 10:00	NA	
Sulfate	300.0	**47.3**		mg/L	2.0	10	06/23/23 09:49	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 10:00
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-12D_062223	**Basis:**	NA
Lab Code:	R2305581-018		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**322**	mg/L	2.0	1	06/27/23 13:45	NA	
Ammonia as Nitrogen, undistilled	350.1	**5.30**	mg/L	0.50	10	06/28/23 13:35	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	**4.3**	mg/L	2.0	1	06/23/23 05:50	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/23/23 10:14	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**7.2**	mg/L	1.0	1	07/14/23 07:15	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	**6.4**	mg/L	2.0	10	06/23/23 10:14	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**134**	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/23/23 10:14	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**5.39**	mg/L	0.20	1	06/30/23 12:23	06/29/23	
Phenolics, Total Recoverable	9066	**0.0067**	mg/L	0.0050	1	06/26/23 22:43	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**360**	mg/L	15	1	06/26/23 10:00	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	06/23/23 10:14	NA	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 10:30
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	PW-8_062223	**Basis:**	NA
Lab Code:	R2305581-019		

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	06/27/23 13:53	NA	
Ammonia as Nitrogen, undistilled	350.1	**0.056**	mg/L	0.050	1	06/28/23 13:36	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/23/23 05:35	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/23/23 10:20	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**22.1**	mg/L	1.0	1	07/14/23 07:33	NA	
Chemical Oxygen Demand, Total	410.4	**18.4**	mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	**78.4**	mg/L	2.0	10	06/23/23 10:20	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**649**	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/23/23 10:20	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.43**	mg/L	0.20	1	06/30/23 12:26	06/29/23	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/26/23 22:48	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**775**	mg/L	13	1	06/26/23 10:00	NA	
Sulfate	300.0	**77.9**	mg/L	2.0	10	06/23/23 10:20	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 10:55
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	Upstream_062223	**Basis:**	NA
Lab Code:	R2305581-020		

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	06/27/23 14:15	NA	
Ammonia as Nitrogen, undistilled	350.1	**0.130**	mg/L	0.050	1	06/28/23 13:37	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/23/23 05:52	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/23/23 10:27	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**18.0**	mg/L	1.0	1	07/11/23 10:18	NA	
Chemical Oxygen Demand, Total	410.4	**8.7**	mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	**28.3**	mg/L	2.0	10	06/23/23 10:27	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**481**	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/23/23 10:27	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.76**	mg/L	0.20	1	06/30/23 12:27	06/29/23	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/26/23 22:52	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**553**	mg/L	11	1	06/26/23 10:00	NA	
Sulfate	300.0	**24.3**	mg/L	2.0	10	06/23/23 10:27	NA	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 11:25
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	Downstream_062223	**Basis:**	NA
Lab Code:	R2305581-021		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**361**	mg/L	2.0	1	06/27/23 14:22	NA	
Ammonia as Nitrogen, undistilled	350.1	**0.089**	mg/L	0.050	1	06/28/23 13:38	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/23/23 05:37	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	06/23/23 10:33	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**10.8**	mg/L	1.0	1	07/14/23 07:50	NA	
Chemical Oxygen Demand, Total	410.4	**20.6**	mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	**19.6**	mg/L	2.0	10	06/23/23 10:33	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**366**	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	**1.7**	mg/L	1.0	10	06/23/23 10:33	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.40**	mg/L	0.20	1	06/30/23 12:27	06/29/23	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	06/26/23 22:57	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**443**	mg/L	10	1	06/26/23 10:00	NA	
Sulfate	300.0	**24.3**	mg/L	2.0	10	06/23/23 10:33	NA	

Field Data

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

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/21/23 09:15
Sample Matrix:	Water	**Date Received:**	06/21/23 15:15
Sample Name:	MW-5S_062123	**Basis:**	NA
Lab Code:	R2305581-001		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**1493**	uMHOS/cm	-	1	06/21/23 09:15	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-158**	mV	-	1	06/21/23 09:15	
Oxygen, Dissolved	SM 4500-O G	**0.49**	mg/L	0.20	1	06/21/23 09:15	
pH, Field	SM 4500-H+ B	**7.05**	pH Units	-	1	06/21/23 09:15	
Temperature, Field	SM 2550 B	**12.2**	deg C	-	1	06/21/23 09:15	
Turbidity, Field	180.1	**7.8**	NTU	-	1	06/21/23 09:15	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/21/23 10:15
Sample Matrix:	Water	**Date Received:**	06/21/23 15:15
Sample Name:	MW-15_062123	**Basis:**	NA
Lab Code:	R2305581-002		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**715**	uMHOS/cm	-	1	06/21/23 10:15	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-43.0**	mV	-	1	06/21/23 10:15	
pH, Field	SM 4500-H+ B	**7.41**	pH Units	-	1	06/21/23 10:15	
Temperature, Field	SM 2550 B	**10.4**	deg C	-	1	06/21/23 10:15	
Turbidity, Field	180.1	**14.1**	NTU	-	1	06/21/23 10:15	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/21/23 11:50
Sample Matrix:	Water	**Date Received:**	06/21/23 15:15
Sample Name:	PW-2_062123	**Basis:**	NA
Lab Code:	R2305581-003		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**1096**	uMHOS/cm	-	1	06/21/23 11:50	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**107**	mV	-	1	06/21/23 11:50	
Oxygen, Dissolved	SM 4500-O G	**0.36**	mg/L	0.20	1	06/21/23 11:50	
pH, Field	SM 4500-H+ B	**6.71**	pH Units	-	1	06/21/23 11:50	
Temperature, Field	SM 2550 B	**13.5**	deg C	-	1	06/21/23 11:50	
Turbidity, Field	180.1	**2.1**	NTU	-	1	06/21/23 11:50	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/21/23 12:50
Sample Matrix:	Water	**Date Received:**	06/21/23 15:15
Sample Name:	PW-10_062123	**Basis:**	NA
Lab Code:	R2305581-004		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**649**	uMHOS/cm	-	1	06/21/23 12:50	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**119**	mV	-	1	06/21/23 12:50	
Oxygen, Dissolved	SM 4500-O G	**4.45**	mg/L	0.20	1	06/21/23 12:50	
pH, Field	SM 4500-H+ B	**7.43**	pH Units	-	1	06/21/23 12:50	
Temperature, Field	SM 2550 B	**10.0**	deg C	-	1	06/21/23 12:50	
Turbidity, Field	180.1	**2.1**	NTU	-	1	06/21/23 12:50	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/21/23 13:30
Sample Matrix:	Water	**Date Received:**	06/21/23 15:15
Sample Name:	PW-5_062123	**Basis:**	NA
Lab Code:	R2305581-005		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**803**	uMHOS/cm	-	1	06/21/23 13:30	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**104**	mV	-	1	06/21/23 13:30	
Oxygen, Dissolved	SM 4500-O G	**0.39**	mg/L	0.20	1	06/21/23 13:30	
pH, Field	SM 4500-H+ B	**6.85**	pH Units	-	1	06/21/23 13:30	
Temperature, Field	SM 2550 B	**11.8**	deg C	-	1	06/21/23 13:30	
Turbidity, Field	180.1	**2.3**	NTU	-	1	06/21/23 13:30	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 09:10
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-12M_062223	**Basis:**	NA
Lab Code:	R2305581-006		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**707**	uMHOS/cm	-	1	06/22/23 09:10	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-87.0**	mV	-	1	06/22/23 09:10	
Oxygen, Dissolved	SM 4500-O G	**0.70**	mg/L	0.20	1	06/22/23 09:10	
pH, Field	SM 4500-H+ B	**7.50**	pH Units	-	1	06/22/23 09:10	
Temperature, Field	SM 2550 B	**11.9**	deg C	-	1	06/22/23 09:10	
Turbidity, Field	180.1	**2.3**	NTU	-	1	06/22/23 09:10	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 10:05
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-13S_062223	**Basis:**	NA
Lab Code:	R2305581-007		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**653**	uMHOS/cm	-	1	06/22/23 10:05	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**87.0**	mV	-	1	06/22/23 10:05	
Oxygen, Dissolved	SM 4500-O G	**1.14**	mg/L	0.20	1	06/22/23 10:05	
pH, Field	SM 4500-H+ B	**7.35**	pH Units	-	1	06/22/23 10:05	
Temperature, Field	SM 2550 B	**12.3**	deg C	-	1	06/22/23 10:05	
Turbidity, Field	180.1	**6.2**	NTU	-	1	06/22/23 10:05	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 11:10
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-17_062223	**Basis:**	NA
Lab Code:	R2305581-008		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**1734**	uMHOS/cm	-	1	06/22/23 11:10	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**68.0**	mV	-	1	06/22/23 11:10	
Oxygen, Dissolved	SM 4500-O G	**1.11**	mg/L	0.20	1	06/22/23 11:10	
pH, Field	SM 4500-H+ B	**7.24**	pH Units	-	1	06/22/23 11:10	
Temperature, Field	SM 2550 B	**12.2**	deg C	-	1	06/22/23 11:10	
Turbidity, Field	180.1	**1.7**	NTU	-	1	06/22/23 11:10	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 12:00
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	PZ-3_062223	**Basis:**	NA
Lab Code:	R2305581-009		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**1234**	uMHOS/cm	-	1	06/22/23 12:00	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-117**	mV	-	1	06/22/23 12:00	
Oxygen, Dissolved	SM 4500-O G	**1.04**	mg/L	0.20	1	06/22/23 12:00	
pH, Field	SM 4500-H+ B	**6.90**	pH Units	-	1	06/22/23 12:00	
Temperature, Field	SM 2550 B	**11.8**	deg C	-	1	06/22/23 12:00	
Turbidity, Field	180.1	**1.9**	NTU	-	1	06/22/23 12:00	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 13:25
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-8D_062223	**Basis:**	NA
Lab Code:	R2305581-010		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**862**	uMHOS/cm	-	1	06/22/23 13:25	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-134**	mV	-	1	06/22/23 13:25	
Oxygen, Dissolved	SM 4500-O G	**1.02**	mg/L	0.20	1	06/22/23 13:25	
pH, Field	SM 4500-H+ B	**7.21**	pH Units	-	1	06/22/23 13:25	
Temperature, Field	SM 2550 B	**15.2**	deg C	-	1	06/22/23 13:25	
Turbidity, Field	180.1	**4.6**	NTU	-	1	06/22/23 13:25	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 07:15
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-16_062223	**Basis:**	NA
Lab Code:	R2305581-011		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**658**	uMHOS/cm	-	1	06/22/23 07:15	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**113**	mV	-	1	06/22/23 07:15	
pH, Field	SM 4500-H+ B	**7.32**	pH Units	-	1	06/22/23 07:15	
Temperature, Field	SM 2550 B	**11.9**	deg C	-	1	06/22/23 07:15	
Turbidity, Field	180.1	**20.2**	NTU	-	1	06/22/23 07:15	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 07:15
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-16DUP_062223	**Basis:**	NA
Lab Code:	R2305581-012		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**661**	uMHOS/cm	-	1	06/22/23 07:15	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**110**	mV	-	1	06/22/23 07:15	
pH, Field	SM 4500-H+ B	**7.25**	pH Units	-	1	06/22/23 07:15	
Temperature, Field	SM 2550 B	**12.0**	deg C	-	1	06/22/23 07:15	
Turbidity, Field	180.1	**14.4**	NTU	-	1	06/22/23 07:15	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 07:35
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	PZ-2_062223	**Basis:**	NA
Lab Code:	R2305581-013		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**3144**	uMHOS/cm	-	1	06/22/23 07:35	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-112**	mV	-	1	06/22/23 07:35	
pH, Field	SM 4500-H+ B	**6.88**	pH Units	-	1	06/22/23 07:35	
Temperature, Field	SM 2550 B	**11.4**	deg C	-	1	06/22/23 07:35	
Turbidity, Field	180.1	**4.7**	NTU	-	1	06/22/23 07:35	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 08:00
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-4S_062223	**Basis:**	NA
Lab Code:	R2305581-014		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**1378**	uMHOS/cm	-	1	06/22/23 08:00	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**111**	mV	-	1	06/22/23 08:00	
pH, Field	SM 4500-H+ B	**6.75**	pH Units	-	1	06/22/23 08:00	
Temperature, Field	SM 2550 B	**11.8**	deg C	-	1	06/22/23 08:00	
Turbidity, Field	180.1	**7.2**	NTU	-	1	06/22/23 08:00	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 08:30
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-4D_062223	**Basis:**	NA
Lab Code:	R2305581-015		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**1258**	uMHOS/cm	-	1	06/22/23 08:30	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-102**	mV	-	1	06/22/23 08:30	
pH, Field	SM 4500-H+ B	**7.55**	pH Units	-	1	06/22/23 08:30	
Temperature, Field	SM 2550 B	**12.4**	deg C	-	1	06/22/23 08:30	
Turbidity, Field	180.1	**43.3**	NTU	-	1	06/22/23 08:30	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 09:10
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-3S_062223	**Basis:**	NA
Lab Code:	R2305581-016		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**916**	uMHOS/cm	-	1	06/22/23 09:10	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**74.0**	mV	-	1	06/22/23 09:10	
pH, Field	SM 4500-H+ B	**7.43**	pH Units	-	1	06/22/23 09:10	
Temperature, Field	SM 2550 B	**12.1**	deg C	-	1	06/22/23 09:10	
Turbidity, Field	180.1	**12.3**	NTU	-	1	06/22/23 09:10	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 09:35
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-1S_062223	**Basis:**	NA
Lab Code:	R2305581-017		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**956**	uMHOS/cm	-	1	06/22/23 09:35	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-96.0**	mV	-	1	06/22/23 09:35	
Oxygen, Dissolved	SM 4500-O G	**0.46**	mg/L	0.20	1	06/22/23 09:35	
pH, Field	SM 4500-H+ B	**6.98**	pH Units	-	1	06/22/23 09:35	
Temperature, Field	SM 2550 B	**12.0**	deg C	-	1	06/22/23 09:35	
Turbidity, Field	180.1	**3.2**	NTU	-	1	06/22/23 09:35	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 10:00
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	MW-12D_062223	**Basis:**	NA
Lab Code:	R2305581-018		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**1425**	uMHOS/cm	-	1	06/22/23 10:00	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-204**	mV	-	1	06/22/23 10:00	
pH, Field	SM 4500-H+ B	**11.89**	pH Units	-	1	06/22/23 10:00	
Temperature, Field	SM 2550 B	**11.3**	deg C	-	1	06/22/23 10:00	
Turbidity, Field	180.1	**10.3**	NTU	-	1	06/22/23 10:00	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 10:30
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	PW-8_062223	**Basis:**	NA
Lab Code:	R2305581-019		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**1293**	uMHOS/cm	-	1	06/22/23 10:30	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-46.0**	mV	-	1	06/22/23 10:30	
pH, Field	SM 4500-H+ B	**7.24**	pH Units	-	1	06/22/23 10:30	
Temperature, Field	SM 2550 B	**10.6**	deg C	-	1	06/22/23 10:30	
Turbidity, Field	180.1	**10.3**	NTU	-	1	06/22/23 10:30	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 10:55
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	Upstream_062223	**Basis:**	NA
Lab Code:	R2305581-020		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**910**	uMHOS/cm	-	1	06/22/23 10:55	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**56.0**	mV	-	1	06/22/23 10:55	
Oxygen, Dissolved	SM 4500-O G	**3.76**	mg/L	0.20	1	06/22/23 10:55	
pH, Field	SM 4500-H+ B	**7.73**	pH Units	-	1	06/22/23 10:55	
Temperature, Field	SM 2550 B	**15.3**	deg C	-	1	06/22/23 10:55	
Turbidity, Field	180.1	**12.4**	NTU	-	1	06/22/23 10:55	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23 11:25
Sample Matrix:	Water	**Date Received:**	06/22/23 16:00
Sample Name:	Downstream_062223	**Basis:**	NA
Lab Code:	R2305581-021		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**769**	uMHOS/cm	-	1	06/22/23 11:25	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**84.0**	mV	-	1	06/22/23 11:25	
Oxygen, Dissolved	SM 4500-O G	**8.58**	mg/L	0.20	1	06/22/23 11:25	
pH, Field	SM 4500-H+ B	**8.23**	pH Units	-	1	06/22/23 11:25	
Temperature, Field	SM 2550 B	**17.0**	deg C	-	1	06/22/23 11:25	
Turbidity, Field	180.1	**6.4**	NTU	-	1	06/22/23 11:25	

QC Summary 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

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

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2305581-MB1		

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	06/27/23 18:17	06/22/23	
Calcium, Total	6010C	1000	U	ug/L	1000	1	06/27/23 18:17	06/22/23	
Iron, Total	6010C	100	U	ug/L	100	1	06/27/23 18:17	06/22/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	06/27/23 18:17	06/22/23	
Magnesium, Total	6010C	1000	U	ug/L	1000	1	06/27/23 18:17	06/22/23	
Manganese, Total	6010C	10	U	ug/L	10	1	06/27/23 18:17	06/22/23	
Potassium, Total	6010C	2000	U	ug/L	2000	1	06/27/23 18:17	06/22/23	
Sodium, Total	6010C	1000	U	ug/L	1000	1	06/27/23 18:17	06/22/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2305581-MB2		

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	06/27/23 23:55	06/26/23	
Calcium, Total	6010C	1000	U	ug/L	1000	1	06/27/23 23:55	06/26/23	
Iron, Total	6010C	100	U	ug/L	100	1	06/27/23 23:55	06/26/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	06/27/23 23:55	06/26/23	
Magnesium, Total	6010C	1000	U	ug/L	1000	1	06/27/23 23:55	06/26/23	
Manganese, Total	6010C	10	U	ug/L	10	1	06/27/23 23:55	06/26/23	
Potassium, Total	6010C	2000	U	ug/L	2000	1	06/27/23 23:55	06/26/23	
Sodium, Total	6010C	1000	U	ug/L	1000	1	06/27/23 23:55	06/26/23	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:R2305581
Date Collected:06/22/23
Date Received:06/22/23
Date Analyzed:6/28/23

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-4S_062223
Lab Code: R2305581-014

Units:ug/L
Basis:NA

			Matrix Spike R2305581-014MS			Duplicate Matrix Spike R2305581-014DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Cadmium, Total	6010C	5.0 U	50.3	50.0	101	50.0	50.0	100	75-125	<1	20
Calcium, Total	6010C	207000	209000	2000	66 #	208000	2000	34 #	75-125	<1	20
Iron, Total	6010C	2550	3140	1000	59 *	3010	1000	47 *	75-125	4	20
Lead, Total	6010C	5.0 U	503	500	101	502	500	100	75-125	<1	20
Magnesium, Total	6010C	66800	69000	2000	109 #	68500	2000	82 #	75-125	<1	20
Manganese, Total	6010C	1620	2070	500	89	2020	500	79	75-125	2	20
Potassium, Total	6010C	5300	25500	20000	101	25300	20000	100	75-125	<1	20
Sodium, Total	6010C	17600	36800	20000	96	36400	20000	94	75-125	<1	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.

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

Service Request: R2305581
Date Analyzed: 06/27/23

Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

Lab Control Sample
R2305581-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Cadmium, Total	6010C	51.3	50.0	103	80-120
Calcium, Total	6010C	2100	2000	106	80-120
Iron, Total	6010C	960	1000	96	80-120
Lead, Total	6010C	509	500	102	80-120
Magnesium, Total	6010C	1900	2000	97	80-120
Manganese, Total	6010C	495	500	99	80-120
Potassium, Total	6010C	19000	20000	95	80-120
Sodium, Total	6010C	18900	20000	94	80-120

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

Service Request: R2305581
Date Analyzed: 06/27/23

Duplicate Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

			Lab Control Sample		Duplicate Lab Control Sample					
			R2305581-LCS1		R2305581-DLCS1					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Cadmium, Total	6010C	51.7	50.0	103	51.4	50.0	103	80-120	<1	20
Calcium, Total	6010C	2100	2000	106	2100	2000	105	80-120	<1	20
Iron, Total	6010C	970	1000	97	970	1000	97	80-120	<1	20
Lead, Total	6010C	512	500	102	512	500	102	80-120	<1	20
Magnesium, Total	6010C	2000	2000	98	1900	2000	97	80-120	<1	20
Manganese, Total	6010C	497	500	99	495	500	99	80-120	<1	20
Potassium, Total	6010C	19000	20000	95	18900	20000	94	80-120	<1	20
Sodium, Total	6010C	19300	20000	97	19300	20000	97	80-120	<1	20

General Chemistry

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

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2305581-MB1		

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	06/27/23 09:39	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	06/24/23 15:57	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	06/22/23 15:13	NA	
Bromide	300.0	0.10	U	mg/L	0.10	1	06/21/23 12:44	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0	U	mg/L	1.0	1	07/10/23 19:46	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	0.20	U	mg/L	0.20	1	06/21/23 12:44	NA	
Nitrate as Nitrogen	300.0	0.10	U	mg/L	0.10	1	06/21/23 12:44	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20	U	mg/L	0.20	1	06/27/23 13:39	06/26/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	06/26/23 13:38	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10	U	mg/L	10	1	06/22/23 10:30	NA	
Sulfate	300.0	0.20	U	mg/L	0.20	1	06/21/23 12:44	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2305581-MB2		

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	06/27/23 12:35	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	06/24/23 16:42	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	06/23/23 14:55	NA	
Bromide	300.0	0.10	U	mg/L	0.10	1	06/23/23 07:24	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0	U	mg/L	1.0	1	07/11/23 03:21	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	06/23/23 15:42	NA	
Chloride	300.0	0.20	U	mg/L	0.20	1	06/23/23 07:24	NA	
Nitrate as Nitrogen	300.0	0.10	U	mg/L	0.10	1	06/23/23 07:24	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20	U	mg/L	0.20	1	06/30/23 12:05	06/29/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	06/26/23 20:14	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10	U	mg/L	10	1	06/26/23 10:00	NA	
Sulfate	300.0	0.20	U	mg/L	0.20	1	06/23/23 07:24	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2305581-MB3		

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	06/27/23 19:11	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	06/28/23 12:49	
Bromide	300.0	0.10	U	mg/L	0.10	1	06/23/23 10:02	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0	U	mg/L	1.0	1	07/13/23 22:29	
Chloride	300.0	0.20	U	mg/L	0.20	1	06/23/23 10:02	
Nitrate as Nitrogen	300.0	0.10	U	mg/L	0.10	1	06/23/23 10:02	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	06/27/23 11:46	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10	U	mg/L	10	1	06/26/23 10:00	
Sulfate	300.0	0.20	U	mg/L	0.20	1	06/23/23 10:02	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2305581-MB4		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	06/28/23 13:16	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0	U	mg/L	1.0	1	07/16/23 18:18	
Chloride	300.0	0.20	U	mg/L	0.20	1	06/28/23 13:49	
Sulfate	300.0	0.20	U	mg/L	0.20	1	06/28/23 17:32	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2305581-MB5		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	06/28/23 14:36	
Sulfate	300.0	0.20 U	mg/L	0.20	1	06/28/23 13:49	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2305581-MB6		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Sulfate	300.0	0.20 U	mg/L	0.20	1	07/05/23 08:07	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/21/23
Sample Matrix:	Water	**Date Received:**	06/21/23
		Date Analyzed:	07/16/23

Duplicate Matrix Spike Summary
Carbon, Total Organic (TOC)

Sample Name:	MW-5S_062123	**Units:**	mg/L
Lab Code:	R2305581-001	**Basis:**	NA
Analysis Method:	SM 5310 B-2014		

		Matrix Spike R2305581-001MS			Duplicate Matrix Spike R2305581-001DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Carbon, Total Organic (TOC)	51.3	145	100	94	142	100	90	48-135	3	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.

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

QA/QC Report

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

Service Request:R2305581
Date Collected:06/21/23
Date Received:06/21/23
Date Analyzed:06/26/23 - 06/27/23

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-15_062123
Lab Code: R2305581-002

Units:mg/L
Basis:NA

			Matrix Spike R2305581-002MS			Duplicate Matrix Spike R2305581-002DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Phenolics, Total Recoverable	9066	0.0050 U	0.0386	0.0400	96	0.0386	0.0400	97	49-137	<1	20
Nitrogen, Total Kjeldahl (TKN)	351.2	16.4	17.9	2.5	58 #	18.4	2.5	80 #	90-110	3	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
Sample Matrix: Water

Service Request:R2305581
Date Collected:06/21/23
Date Received:06/21/23
Date Analyzed:06/23/23 - 06/24/23

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: PW-5_062123
Lab Code: R2305581-005

Units:mg/L
Basis:NA

			Matrix Spike			Duplicate Matrix Spike					
			R2305581-005MS			R2305581-005DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Ammonia as Nitrogen, undistilled	350.1	0.587	1.04	0.500	92	1.04	0.500	91	90-110	<1	20
Chemical Oxygen Demand, Total	410.4	5.9	36.8	25.0	124 *	34.5	25.0	114 *	90-110	6	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
Sample Matrix: Water

Service Request:R2305581
Date Collected:06/22/23
Date Received:06/22/23
Date Analyzed:06/27/23 - 06/30/23

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-12M_062223
Lab Code: R2305581-006

Units:mg/L
Basis:NA

			Matrix Spike			Duplicate Matrix Spike					
			R2305581-006MS			R2305581-006DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Phenolics, Total Recoverable	9066	0.0050 U	0.0383	0.0400	96	0.0379	0.0400	95	49-137	1	20
Nitrogen, Total Kjeldahl (TKN)	351.2	0.37	2.59	2.50	89 *	2.58	2.50	89 *	90-110	<1	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	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23
Sample Matrix:	Water	**Date Received:**	06/22/23
		Date Analyzed:	07/14/23

Duplicate Matrix Spike Summary
Carbon, Total Organic (TOC)

Sample Name:	MW-17_062223	**Units:**	mg/L
Lab Code:	R2305581-008	**Basis:**	NA
Analysis Method:	SM 5310 B-2014		

		Matrix Spike R2305581-008MS			Duplicate Matrix Spike R2305581-008DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Carbon, Total Organic (TOC)	14.2	34.5	25.0	81	32.5	25.0	73	48-135	6	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.

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

QA/QC Report

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

Service Request:R2305581
Date Collected:06/22/23
Date Received:06/22/23
Date Analyzed:6/23/23

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: PZ-3_062223
Lab Code: R2305581-009

Units:mg/L
Basis:NA

			Matrix Spike R2305581-009MS			Duplicate Matrix Spike R2305581-009DMS					
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	9.2	10.0	92	90-110	<1	20
Chloride	300.0	8.2	26.3	20.0	90	26.2	20.0	90	90-110	<1	20
Nitrate as Nitrogen	300.0	1.0 U	9.6	10.0	96	9.6	10.0	96	90-110	<1	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	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23
Sample Matrix:	Water	**Date Received:**	06/22/23
		Date Analyzed:	06/23/23

Duplicate Matrix Spike Summary
Chemical Oxygen Demand, Total

Sample Name:	PZ-2_062223	**Units:**	mg/L
Lab Code:	R2305581-013	**Basis:**	NA
Analysis Method:	410.4		

		Matrix Spike R2305581-013MS			**Duplicate Matrix Spike** R2305581-013DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Chemical Oxygen Demand, Total	20.9	47.2	25.0	105	47.8	25.0	107	90-110	1	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.

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.

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

Service Request:R2305581
Date Collected:06/22/23
Date Received:06/22/23
Date Analyzed:06/23/23 - 07/14/23

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-4S_062223
Lab Code: R2305581-014

Units:mg/L
Basis:NA

			Matrix Spike				Duplicate Matrix Spike				
			R2305581-014MS				R2305581-014DMS				
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	0.185	0.250	74 *	0.184	0.250	73 *	90-110	<1	20
Bromide	300.0	1.0 U	8.9	10.0	89 *	8.8	10.0	88 *	90-110	<1	20
Chloride	300.0	9.4	27.3	20.0	90	27.1	20.0	89 *	90-110	<1	20
Nitrate as Nitrogen	300.0	6.3	15.7	10.0	95	15.6	10.0	94	90-110	<1	20
Phenolics, Total Recoverable	9066	0.0050 U	0.0345	0.0400	86	0.0366	0.0400	91	49-137	6	20
Sulfate	300.0	152	205	60.0	88 *	205	60.0	89 *	90-110	<1	20
Nitrogen, Total Kjeldahl (TKN)	351.2	0.56	2.72	2.50	86 *	2.65	2.50	83 *	90-110	3	20
Carbon, Total Organic (TOC)	SM 5310 B-2014	34.4	50.8 E	25.0	66	48.1	25.0	55	48-135	6	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	**Service Request:**	R2305581
Project:	Torrey Landfill	**Date Collected:**	06/22/23
Sample Matrix:	Water	**Date Received:**	06/22/23
		Date Analyzed:	07/11/23

Duplicate Matrix Spike Summary
Carbon, Total Organic (TOC)

Sample Name:	Upstream_062223	**Units:**	mg/L
Lab Code:	R2305581-020	**Basis:**	NA
Analysis Method:	SM 5310 B-2014		

		Matrix Spike R2305581-020MS			Duplicate Matrix Spike R2305581-020DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Carbon, Total Organic (TOC)	18.0	40.1	25.0	89	37.0	25.0	76	48-135	8	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.

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

QA/QC Report

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

Service Request:R2305581
Date Collected:06/22/23
Date Received:06/22/23
Date Analyzed:6/23/23

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: Downstream_062223
Lab Code: R2305581-021

Units:mg/L
Basis:NA

			Matrix Spike R2305581-021MS			Duplicate Matrix Spike R2305581-021DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Bromide	300.0	1.0 U	9.0	10.0	90	9.0	10.0	90	90-110	<1	20
Chloride	300.0	19.6	38.5	20.0	94	38.6	20.0	95	90-110	<1	20
Nitrate as Nitrogen	300.0	1.7	11.2	10.0	95	11.3	10.0	95	90-110	<1	20
Sulfate	300.0	24.3	42.6	20.0	91	42.7	20.0	92	90-110	<1	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	**Service Request:**	R2305581
Project	Torrey Landfill	**Date Collected:**	06/22/23
Sample Matrix:	Water	**Date Received:**	06/22/23
		Date Analyzed:	06/23/23

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	PZ-3_062223	**Units:**	mg/L
Lab Code:	R2305581-009	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2305581-009DUP Result	Average	RPD	RPD Limit
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	2.0 U	2.0 U	NC	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.

Client:	Barton & Loguidice, DPC	**Service Request:**	R2305581
Project	Torrey Landfill	**Date Collected:**	06/22/23
Sample Matrix:	Water	**Date Received:**	06/22/23
		Date Analyzed:	06/27/23

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	PZ-2_062223	**Units:**	mg/L
Lab Code:	R2305581-013	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2305581-013DUP Result	Average	RPD	RPD Limit
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	6.0	983	960	972	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	**Service Request:**	R2305581
Project	Torrey Landfill	**Date Collected:**	06/22/23
Sample Matrix:	Water	**Date Received:**	06/22/23
		Date Analyzed:	06/23/23 - 06/27/23

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	MW-4S_062223	**Units:**	mg/L
Lab Code:	R2305581-014	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2305581-014DUP Result	Average	RPD	RPD Limit
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0	647	629	638	3	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	14	919	927	923	<1	10

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.

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

Service Request: R2305581
Date Analyzed: 06/21/23 - 07/10/23

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2305581-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	24.4	25.0	98	80-120
Ammonia as Nitrogen, undistilled	350.1	0.504	0.500	101	90-110
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	187	198	95	85-115
Bromide	300.0	0.99	1.00	99	90-110
Carbon, Total Organic (TOC)	SM 5310 B-2014	24.0	25.0	96	80-121
Chemical Oxygen Demand, Total	410.4	53.7	50.0	107	90-110
Chloride	300.0	1.97	2.00	99	90-110
Nitrate as Nitrogen	300.0	1.00	1.00	100	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.42	2.50	97	90-110
Phenolics, Total Recoverable	9066	0.0386	0.0400	97	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-2015	900	914	98	90-110
Sulfate	300.0	2.00	2.00	100	90-110

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

Service Request: R2305581
Date Analyzed: 06/23/23 - 07/11/23

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2305581-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	26.4	25.0	106	80-120
Ammonia as Nitrogen, undistilled	350.1	0.491	0.500	98	90-110
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	201	198	102	85-115
Bromide	300.0	0.95	1.00	95	90-110
Carbon, Total Organic (TOC)	SM 5310 B-2014	23.3	25.0	93	80-121
Chemical Oxygen Demand, Total	410.4	54.5	50.0	109	90-110
Chloride	300.0	1.94	2.00	97	90-110
Nitrate as Nitrogen	300.0	0.98	1.00	98	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.25	2.50	90	90-110
Phenolics, Total Recoverable	9066	0.0372	0.0400	93	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-2015	890	914	97	90-110
Sulfate	300.0	1.97	2.00	99	90-110

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

Service Request: R2305581
Date Analyzed: 06/23/23 - 07/14/23

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2305581-LCS3

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	25.1	25.0	100	80-120
Ammonia as Nitrogen, undistilled	350.1	0.250	0.250	100	90-110
Bromide	300.0	0.92	1.00	92	90-110
Carbon, Total Organic (TOC)	SM 5310 B-2014	23.5	25.0	94	80-121
Chloride	300.0	1.93	2.00	96	90-110
Nitrate as Nitrogen	300.0	0.98	1.00	98	90-110
Phenolics, Total Recoverable	9066	0.0380	0.0400	95	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-2015	908	914	99	90-110
Sulfate	300.0	1.97	2.00	98	90-110

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

Service Request: R2305581
Date Analyzed: 06/28/23 - 07/16/23

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2305581-LCS4

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen, undistilled	350.1	0.250	0.250	100	90-110
Carbon, Total Organic (TOC)	SM 5310 B-2014	23.7	25.0	95	80-121
Chloride	300.0	1.92	2.00	96	90-110
Sulfate	300.0	1.97	2.00	99	90-110

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

Service Request: R2305581
Date Analyzed: 06/28/23

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2305581-LCS5

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen, undistilled	350.1	0.246	0.250	99	90-110
Sulfate	300.0	1.98	2.00	99	90-110

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request: R2305581
Date Analyzed: 07/05/23

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2305581-LCS6

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sulfate	300.0	2.11	2.00	105	90-110

January 05, 2024 Service Request No:R2311621

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, 2023
For your reference, these analyses have been assigned our service request number **R2311621.**

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 7476. You may also contact me via email at Chris.Leavy@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Christopher Leavy
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: R2311621
Date Received: 12/14/2023

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:

Ten water samples were received for analysis at ALS Environmental on 12/14/2023. 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:

No significant anomalies were noted with this analysis.

General Chemistry:

Method SM5210B, 12/15/2023: The dilution water blank used for one or more batches set on this date did not meet the method guidance for dissolved oxygen depletion of less than 0.2 mg/L. Samples associated with the dilution water are flagged with an "X".The dilution water used in BOD consists of DI and nutrients needed to sustain the microbes (seed) over the 5 days of the test. The method (Standard Methods 5210B) requires that the dilution water blank has no more than 0.2 mg/L depletion of dissolved oxygen from when the bottle is initially tested on Day 0 until it is tested again on Day 5. Three dilution water blanks are set for each batch and the average of the 3 bottles is used to determine whether the 0.2 mg/L criteria is met. The dilution water blanks measure contamination coming not only from the water itself, but also anything the water comes in contact with, including the carboy, delivery tube, and bottle. Blank issues can also be caused by calibration variation in the Dissolved Oxygen meter between Day 0 and Day 5. New York ELAP requires us to flag client results associated with a dilution water blank (average of 3) which did not meet the 0.2 mg/L criteria. It is not uncommon to see a result <MRL for the Method Blank, yet still get X flagged results. The MRL (2 mg/L) is much higher than the dilution water criteria (0.2 mg/L). The contamination is multiplicative with the dilution factor, but consistent as a %difference. It is not uncommon for the average of the 3 dilution water blanks to be >0.2 mg/L, yet only one of the 3 blanks exhibited contamination. This situation is surely not caused by a problem with the carboy water, nor the calibration, but caused by a problem associated with the analysis of that particular bottle. It cannot be ignored, however, in case the cause is also present in the analysis of client sample bottles. All samples are set at 3-5 different bottle dilutions, since controls are set regarding the minimum DO depletion (must be greater than 2 mg/L depletion) and the minimum final DO (>1mg/L DO). A sample with a known history of a low BOD concentration is typically set using 30, 100, and 200 mL of sample, and brought up to volume in 300 mL BOD bottles. These are all reported as a dilution of “1” on the report, but are calculated with the appropriate bottle dilution when determining the BOD result. The reason the actual bottle dilution is not used on the report is that if more than one bottle meets controls, results are averaged from the acceptable bottles with different dilutions. If a sample is diluted prior to measuring the sample into the BOD bottle, the report will indicate the initial dilution. There is always some sample dilution. We do not set more than 200 mL sample in a 300 mL bottle. This is necessary to ensure that some dilution water containing nutrients is added to sustain the microbes during the 5 day test

Field:

No significant anomalies were noted with this analysis.

Approved by _____ Date 01/05/2024

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_121323 | **Lab ID: R2311621-001**

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	404			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	114000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	4.9			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	18.3			5.0	mg/L	410.4
Chloride	68.7			2.0	mg/L	300.0
Conductivity, Field	942				uMHOS/cm	120.1
Hardness, Total as CaCO3	440			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	1480			100	ug/L	6010C
Magnesium, Total	37900			1000	ug/L	6010C
Manganese, Total	55			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.62			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	130				mV	ASTM D1498-00
Oxygen, Dissolved	8.55			0.20	mg/L	SM 4500-O G
pH, Field	7.88				pH Units	SM 4500-H+ B
Potassium, Total	3600			2000	ug/L	6010C
Sodium, Total	33900			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	533			11	mg/L	SM 2540 C-2015
Sulfate	27.2			2.0	mg/L	300.0
Temperature, Field	6.20				deg C	SM 2550 B
Turbidity, Field	0.6				NTU	180.1

CLIENT ID: Downstream_121323 | **Lab ID: R2311621-002**

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	366			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.055			0.050	mg/L	350.1
Calcium, Total	97400			1000	ug/L	6010C
Carbon, Total Organic (TOC)	4.4			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	10.2			5.0	mg/L	410.4
Chloride	34.4			2.0	mg/L	300.0
Conductivity, Field	799				uMHOS/cm	120.1
Hardness, Total as CaCO3	388			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	220			100	ug/L	6010C
Magnesium, Total	35200			1000	ug/L	6010C
Manganese, Total	23			10	ug/L	6010C
Nitrate as Nitrogen	2.2			1.0	mg/L	300.0
Nitrogen, Total Kjeldahl (TKN)	0.48			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	127				mV	ASTM D1498-00

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: Downstream_121323			Lab ID: R2311621-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Oxygen, Dissolved	11.8			0.20	mg/L	SM 4500-O G
pH, Field	8.19				pH Units	SM 4500-H+ B
Potassium, Total	3800			2000	ug/L	6010C
Sodium, Total	25800			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	461			10	mg/L	SM 2540 C-2015
Sulfate	30.7			2.0	mg/L	300.0
Temperature, Field	3.70				deg C	SM 2550 B
Turbidity, Field	0.8				NTU	180.1

CLIENT ID: MW-16_121423			Lab ID: R2311621-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	435			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	126000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	2.3			1.0	mg/L	SM 5310 B-2014
Conductivity, Field	772				uMHOS/cm	120.1
Hardness, Total as CaCO3	470			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	5980			100	ug/L	6010C
Magnesium, Total	37700			1000	ug/L	6010C
Manganese, Total	156			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.38			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	180				mV	ASTM D1498-00
pH, Field	7.15				pH Units	SM 4500-H+ B
Potassium, Total	4000			2000	ug/L	6010C
Sodium, Total	7500			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	433			10	mg/L	SM 2540 C-2015
Sulfate	8.0			2.0	mg/L	300.0
Temperature, Field	11.5				deg C	SM 2550 B
Turbidity, Field	45.8				NTU	180.1

CLIENT ID: PZ-2_121423			Lab ID: R2311621-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	936			6.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	3.05			0.25	mg/L	350.1
Bromide	1.0			1.0	mg/L	300.0
Calcium, Total	217000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	5.0			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	16.7			5.0	mg/L	410.4
Chloride	221			10	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: PZ-2_121423	Lab ID: R2311621-004					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Conductivity, Field	3092				uMHOS/cm	120.1
Hardness, Total as CaCO3	1030			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	15300			100	ug/L	6010C
Magnesium, Total	119000			1000	ug/L	6010C
Manganese, Total	622			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	3.81			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-81.0				mV	ASTM D1498-00
pH, Field	6.76				pH Units	SM 4500-H+ B
Potassium, Total	6700			2000	ug/L	6010C
Sodium, Total	312000			10000	ug/L	6010C
Solids, Total Dissolved (TDS)	1820			40	mg/L	SM 2540 C-2015
Sulfate	101			10	mg/L	300.0
Temperature, Field	9.90				deg C	SM 2550 B
Turbidity, Field	7.7				NTU	180.1

CLIENT ID: MW-4S_121423	Lab ID: R2311621-005					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	622			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	199000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	4.6			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	13.5			5.0	mg/L	410.4
Chloride	8.1			2.0	mg/L	300.0
Conductivity, Field	1288				uMHOS/cm	120.1
Hardness, Total as CaCO3	743			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	2720			100	ug/L	6010C
Magnesium, Total	60000			1000	ug/L	6010C
Manganese, Total	1080			10	ug/L	6010C
Nitrate as Nitrogen	6.6			1.0	mg/L	300.0
Nitrogen, Total Kjeldahl (TKN)	0.59			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	79.0				mV	ASTM D1498-00
pH, Field	6.73				pH Units	SM 4500-H+ B
Potassium, Total	5200			2000	ug/L	6010C
Sodium, Total	17600			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	827			12	mg/L	SM 2540 C-2015
Sulfate	126			4.0	mg/L	300.0
Temperature, Field	9.60				deg C	SM 2550 B
Turbidity, Field	12.3				NTU	180.1

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-4D_121423			Lab ID: R2311621-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	703			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	2.45			0.25	mg/L	350.1
Biochemical Oxygen Demand (BOD)	9.8	X		2.0	mg/L	SM 5210 B-2016
Calcium, Total	22800			1000	ug/L	6010C
Carbon, Total Organic (TOC)	31.5			2.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	70.1			5.0	mg/L	410.4
Chloride	3.1			2.0	mg/L	300.0
Conductivity, Field	1191				uMHOS/cm	120.1
Hardness, Total as CaCO3	86.4			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	3160			100	ug/L	6010C
Magnesium, Total	7200			1000	ug/L	6010C
Manganese, Total	121			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	4.70			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	21.0				mV	ASTM D1498-00
pH, Field	7.32				pH Units	SM 4500-H+ B
Potassium, Total	3200			2000	ug/L	6010C
Sodium, Total	284000			10000	ug/L	6010C
Solids, Total Dissolved (TDS)	779			13	mg/L	SM 2540 C-2015
Temperature, Field	10.5				deg C	SM 2550 B
Turbidity, Field	29.1				NTU	180.1

CLIENT ID: MW-3S_121423			Lab ID: R2311621-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	537			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	63100			1000	ug/L	6010C
Chloride	4.3			2.0	mg/L	300.0
Conductivity, Field	970				uMHOS/cm	120.1
Hardness, Total as CaCO3	542			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	460			100	ug/L	6010C
Magnesium, Total	93500			1000	ug/L	6010C
Manganese, Total	11			10	ug/L	6010C
Oxidation-Reduction Potential (ORP), Field	99.0				mV	ASTM D1498-00
pH, Field	7.35				pH Units	SM 4500-H+ B
Potassium, Total	4100			2000	ug/L	6010C
Sodium, Total	27500			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	557			11	mg/L	SM 2540 C-2015
Sulfate	50.6			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: MW-3S_121423	Lab ID: R2311621-007					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Temperature, Field	10.6				deg C	SM 2550 B
Turbidity, Field	7.9				NTU	180.1

CLIENT ID: MW-1S_121423	Lab ID: R2311621-008					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	353			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.338			0.050	mg/L	350.1
Calcium, Total	94500			1000	ug/L	6010C
Chloride	5.2			2.0	mg/L	300.0
Conductivity, Field	710				uMHOS/cm	120.1
Hardness, Total as CaCO3	394			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	1730			100	ug/L	6010C
Magnesium, Total	38300			1000	ug/L	6010C
Manganese, Total	108			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.46			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	47.0				mV	ASTM D1498-00
pH, Field	7.40				pH Units	SM 4500-H+ B
Sodium, Total	11200			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	399			10	mg/L	SM 2540 C-2015
Sulfate	42.9			2.0	mg/L	300.0
Temperature, Field	10.6				deg C	SM 2550 B
Turbidity, Field	19.5				NTU	180.1

CLIENT ID: MW-12D_121423	Lab ID: R2311621-009					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	303			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	5.72			0.50	mg/L	350.1
Biochemical Oxygen Demand (BOD)	3.3	X		2.0	mg/L	SM 5210 B-2016
Calcium, Total	45800			1000	ug/L	6010C
Carbon, Total Organic (TOC)	5.9			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	18.3			5.0	mg/L	410.4
Chloride	7.8			2.0	mg/L	300.0
Conductivity, Field	1378				uMHOS/cm	120.1
Hardness, Total as CaCO3	127			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	210			100	ug/L	6010C
Magnesium, Total	3100			1000	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	5.71			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-13.0				mV	ASTM D1498-00

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-12D_121423			Lab ID: R2311621-009			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
pH, Field	11.61				pH Units	SM 4500-H+ B
Phenolics, Total Recoverable	0.0052			0.0050	mg/L	9066
Potassium, Total	7100			2000	ug/L	6010C
Sodium, Total	96300			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	327			12	mg/L	SM 2540 C-2015
Temperature, Field	7.50				deg C	SM 2550 B
Turbidity, Field	9.9				NTU	180.1

CLIENT ID: MW-12D-DUP_121423			Lab ID: R2311621-010			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	305			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	5.75			0.50	mg/L	350.1
Biochemical Oxygen Demand (BOD)	8.6	X		2.0	mg/L	SM 5210 B-2016
Calcium, Total	43800			1000	ug/L	6010C
Carbon, Total Organic (TOC)	5.9			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	16.7			5.0	mg/L	410.4
Chloride	7.8			2.0	mg/L	300.0
Conductivity, Field	1394				uMHOS/cm	120.1
Hardness, Total as CaCO3	122			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	160			100	ug/L	6010C
Magnesium, Total	3000			1000	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	5.73			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-47.0				mV	ASTM D1498-00
pH, Field	12.20				pH Units	SM 4500-H+ B
Potassium, Total	7000			2000	ug/L	6010C
Sodium, Total	94900			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	332			11	mg/L	SM 2540 C-2015
Temperature, Field	7.40				deg C	SM 2550 B
Turbidity, Field	5.7				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 **Service Request:**R2311621
Project: Torrey Landfill/360 Routine

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2311621-001	Upstream_121323	12/13/2023	1215
R2311621-002	Downstream_121323	12/13/2023	1240
R2311621-003	MW-16_121423	12/14/2023	0805
R2311621-004	PZ-2_121423	12/14/2023	0820
R2311621-005	MW-4S_121423	12/14/2023	0840
R2311621-006	MW-4D_121423	12/14/2023	0900
R2311621-007	MW-3S_121423	12/14/2023	0930
R2311621-008	MW-1S_121423	12/14/2023	0955
R2311621-009	MW-12D_121423	12/14/2023	1025
R2311621-010	MW-12D-DUP_121423	12/14/2023	1025

Chain of Custody / Analytical Request Form

72397

SR#:

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

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: Long Point Rd, Torrey NY	Email CC:
	Email CC:
	State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other:

Preservative: 0. None

Routine: BOD, NO3 (IC)
Baseline: BOD, NO3 (IC) Color, Cr6 7196
360 Expanded: BOD, NO3 (IC) Color, Cr6 7196, Sulfide
363 Expanded: BOD, NO3 (IC) Color, Cr6 7196

Lab ID (ALS)	Sample ID:	Date	Time	Matrix (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	Part 360 Routine
11	upStream	12/13/2023	1215	W	6									X
12	Downstream	12/13/2023	1240	W	6									X
13	MW-16	12/14/2023	0805	W	6									X
14	PZ-2		0820	W	6									X
15	MW-4S		0840	W	6									X
16	MW-4D		0900	W	6									X
17	MW-3S		0930	W	6									X
18	MW-1S		0955	W	6									X
19	MW-12D		1025	W	6									X
20	MW-12D Dup		1025	W	6									X

Special Instructions / Comments:

Turnaround Requirements

_____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
_____ Standard (10 Business Days)
Date Required:

Report Requirements

_____Tier II/Cat A -Results/QC
_____Tier IV/Cat B - Data Validation Report w/ Data
EDD: _____Yes _____No
EDD Type:

Metals: RCRA 8•PP 13•CAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51, Stars •THM • Other: _____

Invoice To: (□ Same as Report To)

PO #:
Company:
Contact:
Email:
Phone:
Address:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	Quinton Kolbeck	Matthew Morley				
Company	ALS	ALS				
Date/Time	12/14/2023 1935	12/14/23 19:35				

R2311621 5
Barton & Loguidice, PC
Torrey Landfil

Distribution: White - Lab Copy; Yellow - Return to Originator

© 2012 by ALS Group

Chain of Custody / Analytical Request Form

72398

SR#:

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: Barton and Loguidice	Project Name: Torrey Land Fill
Contact: Darik Jordan	Project Number:
Email:	ALS Quote #:
Phone: 585-325-7190	Sampler's Signature:
Address: Long Point Rd, Torrey NY	Email CC:
	Email CC:
	State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other:

Preservative: 0. None; 1. HCl; 2. HNO3; 3. H2SO4; 4. NAOH; 5. Zn Acet.; 6. MeOH; 7. NaHSO4; 8. Other

Lab ID (ALS)	Sample Collection Information: Sample ID:	Date	Time	Matrix (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	Part 360 Routine					Notes:
—	PW-8	12/14/2023	NO	SAMPLE, INADEQUATE RECHARGE															

Special Instructions / Comments:

Turnaround Requirements

_____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
_____ Standard (10 Business Days)
Date Required:

Report Requirements

_____Tier II/Cat A -Results/QC
_____Tier IV/Cat B - Data Validation Report w/. Data
EDD: _____Yes _____No
EDD Type:

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (□ Same as Report To)

PO #:
Company:
Contact:
Email:
Phone:
Address:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	Quinten Naibeck	Matthew Marley				
Company	ALS	ALS				
Date/Time	12/14/2023 1435	12/14/23 14:35				

Distribution: White - Lab Copy; Yellow - Return to Originator

© 2012 by ALS Group

Cooler Receipt and Preservati

R2311621 5
Barton & Loguidice, PC
Torrey Landfill

Project/Client _____ Folder Number _____

Cooler received on 12/14/23 by: MM

COURIER: (ALS) UPS FEDEX VELOCITY CLIENT

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

8. Temperature Readings Date: 12/14/23 Time: 14:56 ID: IR#12 (IR#11) From: Temp Blank (Sample Bottle)

Observed Temp (°C)	5.8	12.3	3.6	4.4			
Within 0-6°C?	(Y) 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: R1002 by MM on 12/14/23 at 15:00
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 12/15/23 Time: 1052 by: RR

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. Were dissolved metals filtered in the field? YES NO (N/A)
14. 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? Yes	Preserved? No	Lot Received	Exp	Sample-ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2	227822	HNO_3	✓		Bottle labels	-				
≤2	"	H_2SO_4	✓		24000404	4/26				
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, (Phenol) 625, 608pest, 522	✓		If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**						

Bottle lot numbers: 091823-2ERD, Bottle labels, 092523-4EKI, 100923-1EKP
Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
(ALS)	LL3541

Labels secondary reviewed by: RR
PC Secondary Review: _____

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

P:\INTRANET\QAQC\Forms Controlled\Cooler Receipt r20.doc 01/23/2023

FIELD MONITORING REPORT

PROJECT Torrey Land Fill **LAB ID** 11

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 12/13/2023 Time 1215 SWL —

Appearance Clear

Weather Conditions Sunny 30°

Sampling Technician (Print) Quinten Veilbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.88	7.88
Myron 6p	Conductivity	µmhos/cm	941	942
Myron 6p	Temperature	Degrees Celsius	6.2	6.2
Myron 6p	Redox	millivolts	130	—
Lamotte	Turbidity	NTU	0.6	—

Calibration Date/Time 12/13/2023 1200 **pH** = 7.00/4.00/10.00 **Conductivity** = 1413 set 1413

Turbidity =

OBSERVATIONS

DO: 8.55 mg/L

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill LAB ID 12

SAMPLE POINT ID Down Stream

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 12/13/2023 Time 1240 SWL —

Appearance Clear

Weather Conditions Sunny 30°

Sampling Technician (Print) ~~Chester~~ Kolbek Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	8.19	8.19
Myron 6p	Conductivity	µmhos/cm	799	799
Myron 6p	Temperature	Degrees Celsius	3.7	3.7
Myron 6p	Redox	millivolts	127	—
Lamotte	Turbidity	NTU	0.8	—

Calibration Date/Time 12/13/2023 1200 pH = Conductivity =

Turbidity =

OBSERVATIONS

DO: 11.76 mg/L

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Wells **LAB ID** 14

SAMPLE POINT ID PZ-2

PURGE INFORMATION

Well Depth (ft.) 37.15 Purge Date 12/13/2023 Purge Method Bailer

SWL (ft.) 35.29 Start Time 0831 Stop Time 0835

Standing Water (ft.) 1.86 Volume Purged gal. 0.9 # casings 3.0

Well Constant (gal/ft.) 0.163 Observations Light Tan Turb.'d

Well Volume (gal.) 0.3

SAMPLING INFORMATION

Sample Method Bailer

Date 12/14/2023 Time 0820 SWL 35.29

Appearance Clear to Turbid Tan

Weather Conditions Partly Cloudy 30°

Sampling Technician (Print) Quinten Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.76	6.76
Myron 6p	Conductivity	µmhos/cm	3092	3091
Myron 6p	Temperature	Degrees Celsius	9.9	9.9
Myron 6p	Redox	millivolts	-81	—
Lamotte	Turbidity	NTU	7.7	—

Calibration Date/Time 12/14/2023 0800 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Wells **LAB ID**

SAMPLE POINT ID PW-8

PURGE INFORMATION

Well Depth (ft.) 23.85 Purge Date 12/13/2023 Purge Method Pump

SWL (ft.) 22.73 Start Time 1150 Stop Time 1154

Standing Water (ft.) 1.12 Volume Purged gal. 0.7 # casings 1.0 to Dry

Well Constant (gal/ft.) 0.653 Observations Clear to Turbid Black

Well Volume (gal.) 0.7

SAMPLING INFORMATION

Sample Method Bailer

Date 12/14/2023 Time SWL

Appearance

Weather Conditions

Sampling Technician (Print) Quinlen 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 12/14/2023 pH = Conductivity =

Turbidity =

OBSERVATIONS

NO SAMPLE, INADEQUATE RECHARGE

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Land Fill Wells LAB ID 13

SAMPLE POINT ID MW-16

PURGE INFORMATION

Well Depth (ft.) 22.06 Purge Date 12/13/2023 Purge Method Bailer

SWL (ft.) 15.46 Start Time 0807 Stop Time 0812

Standing Water (ft.) 6.60 Volume Purged gal. 3.3 # casings 3.0

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

Well Volume (gal.) 1.1

SAMPLING INFORMATION

Sample Method Bailer

Date 12/14/2023 Time 0805 SWL 15.87

Appearance Light Turbid Tan to Turbid Tan

Weather Conditions Partly Cloudy 30°

Sampling Technician (Print) Quinton Koibeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.14	7.15
Myron 6p	Conductivity	µmhos/cm	772	772
Myron 6p	Temperature	Degrees Celsius	11.5	11.5
Myron 6p	Redox	millivolts	180	–
Lamotte	Turbidity	NTU	45.8	–

Calibration Date/Time 12/14/2023 0800 pH = 7.00/4.00/10.00 Conductivity = 1413 set 1413

Turbidity = 0.0/10.0

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Wells **LAB ID** 19 + 20 Dup

SAMPLE POINT ID MW-12D Dup

PURGE INFORMATION

Well Depth (ft.) 98.86 Purge Date 12/13/2023 Purge Method Bailer

SWL (ft.) 79.39 Start Time 1116 Stop Time 1128

Standing Water (ft.) 19.47 Volume Purged gal. 3.2 # casings 1.0 to Dry

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

Well Volume (gal.) 3.2

SAMPLING INFORMATION

Sample Method Bailer

Date 12/14/2023 Time 1025 SWL 85.02

Appearance Clear to Light Turbid Tan

Weather Conditions Cloudy 30°

Sampling Technician (Print) Quinton Korbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	11.61	12.20
Myron 6p	Conductivity	µmhos/cm	1378	1394
Myron 6p	Temperature	Degrees Celsius	7.5	7.4
Myron 6p	Redox	millivolts	-13	-47
Lamotte	Turbidity	NTU	9.9	5.7

Calibration Date/Time 12/14/2023 0800 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Wells **LAB ID** 15

SAMPLE POINT ID MW-45

PURGE INFORMATION

Well Depth (ft.) 40.95 Purge Date 12/13/2023 Purge Method Waterra

SWL (ft.) 36.10 Start Time 0854 Stop Time 0855

Standing Water (ft.) 4.85 Volume Purged gal. 0.8 # casings 1.0 to Dry

Well Constant (gal/ft.) 0.163 Observations Clear

Well Volume (gal.) 0.8

SAMPLING INFORMATION

Sample Method Waterra

Date 12/14/2023 Time 0840 SWL 36.51

Appearance Light Tan Tint

Weather Conditions Partly Cloudy 30°

Sampling Technician (Print) Quinton Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.72	6.73
Myron 6p	Conductivity	µmhos/cm	1287	1288
Myron 6p	Temperature	Degrees Celsius	9.6	9.6
Myron 6p	Redox	millivolts	79	—
Lamotte	Turbidity	NTU	12.3	—

Calibration Date/Time 12/14/2023 0800 pH = Conductivity =

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Wells LAB ID 16

SAMPLE POINT ID MW-4D

PURGE INFORMATION

Well Depth (ft.) 131.48 Purge Date 12/13/2023 Purge Method Bailer

SWL (ft.) 120.35 Start Time 0912 Stop Time 0934

Standing Water (ft.) 11.13 Volume Purged gal. 3.0 # casings 1.7 to Dry

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

Well Volume (gal.) 1.8

SAMPLING INFORMATION

Sample Method Bailer

Date 12/14/2023 Time 0900 SWL 121.96

Appearance Turbid Tan

Weather Conditions Cloudy 30°

Sampling Technician (Print) Quinton Kolbeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.32	7.32
Myron 6p	Conductivity	µmhos/cm	1191	1191
Myron 6p	Temperature	Degrees Celsius	10.5	10.5
Myron 6p	Redox	millivolts	21	—
Lamotte	Turbidity	NTU	29.1	—

Calibration Date/Time 12/14/2023 0800 pH = Conductivity =

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill wells **LAB ID** 17

SAMPLE POINT ID MW-3s

PURGE INFORMATION

Well Depth (ft.) 37.61 Purge Date 12/13/2023 Purge Method Bailer

SWL (ft.) 25.82 Start Time 1006 Stop Time 1013

Standing Water (ft.) 11.79 Volume Purged gal. 3.0 # casings 1.6 to Dry

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

Well Volume (gal.) 1.9

SAMPLING INFORMATION

Sample Method Bailer

Date 12/14/2023 Time 0930 SWL 35.55

Appearance Clear to Turb'd Tan

Weather Conditions Cloudy 30°

Sampling Technician (Print) Quinten Weibel Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.34	7.35
Myron 6p	Conductivity	µmhos/cm	969	970
Myron 6p	Temperature	Degrees Celsius	10.6	10.6
Myron 6p	Redox	millivolts	99	—
Lamotte	Turbidity	NTU	7.9	—

Calibration Date/Time 12/14/2023 0800 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Torrey Landfill Wells **LAB ID** 18

SAMPLE POINT ID MW-15

PURGE INFORMATION

Well Depth (ft.) 30.23 Purge Date 12/13/2023 Purge Method Bailer

SWL (ft.) 22.95 Start Time 1033 Stop Time 1040

Standing Water (ft.) 7.28 Volume Purged gal. 3.6 # casings 3.0

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

Well Volume (gal.) 1.2 Tan / Gray

SAMPLING INFORMATION

Sample Method Bailer

Date 12/14/2023 Time 0955 SWL 23.44

Appearance Light Turbid Tan to Turbid Tan

Weather Conditions Cloudy 30°

Sampling Technician (Print) Quinten Roibeck Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.40	7.40
Myron 6p	Conductivity	µmhos/cm	710	710
Myron 6p	Temperature	Degrees Celsius	10.6	10.6
Myron 6p	Redox	millivolts	47	—
Lamotte	Turbidity	NTU	19.5	—

Calibration Date/Time 12/14/2023 0800 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

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

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.
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/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
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.
*	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.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
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).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

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. To verify NH accredited analytes, go to https://www4.des.state.nh.us/CertifiedLabs/Certified-Method.aspx.

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 **Service Request:** R2311621
Project: Torrey Landfill/360 Routine

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

Client: Barton & Loguidice, DPC **Service Request:** R2311621
Project: Torrey Landfill/360 Routine

Sample Name: Upstream_121323 **Date Collected:** 12/13/23
Lab Code: R2311621-001 **Date Received:** 12/14/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
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		SZOGBY
SM 5310 B-2014		KAWONG

Sample Name: Downstream_121323 **Date Collected:** 12/13/23
Lab Code: R2311621-002 **Date Received:** 12/14/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON

Client: Barton & Loguidice, DPC **Service Request:** R2311621
Project: Torrey Landfill/360 Routine

Sample Name: Downstream_121323 **Date Collected:** 12/13/23
Lab Code: R2311621-002 **Date Received:** 12/14/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		SZOGBY
SM 5310 B-2014		KAWONG

Sample Name: MW-16_121423 **Date Collected:** 12/14/23
Lab Code: R2311621-003 **Date Received:** 12/14/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
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		SZOGBY
SM 5310 B-2014		KAWONG

Sample Name: PZ-2_121423 **Date Collected:** 12/14/23
Lab Code: R2311621-004 **Date Received:** 12/14/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON

Client: Barton & Loguidice, DPC **Service Request:** R2311621
Project: Torrey Landfill/360 Routine

Sample Name: PZ-2_121423 **Date Collected:** 12/14/23
Lab Code: R2311621-004 **Date Received:** 12/14/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
180.1		JJANSON
300.0		KAWONG
300.0		CWOODS
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
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		SZOGBY
SM 5310 B-2014		KAWONG

Sample Name: MW-4S_121423 **Date Collected:** 12/14/23
Lab Code: R2311621-005 **Date Received:** 12/14/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
300.0		CWOODS
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON

Client: Barton & Loguidice, DPC **Service Request:** R2311621
Project: Torrey Landfill/360 Routine

Sample Name: MW-4S_121423 **Date Collected:** 12/14/23
Lab Code: R2311621-005 **Date Received:** 12/14/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
SM 4500-H+ B		JJANSON
SM 5210 B-2016		SZOGBY
SM 5310 B-2014		KAWONG

Sample Name: MW-4D_121423 **Date Collected:** 12/14/23
Lab Code: R2311621-006 **Date Received:** 12/14/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
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		SZOGBY
SM 5310 B-2014		KAWONG

Sample Name: MW-3S_121423 **Date Collected:** 12/14/23
Lab Code: R2311621-007 **Date Received:** 12/14/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON

Client: Barton & Loguidice, DPC **Service Request:** R2311621
Project: Torrey Landfill/360 Routine

Sample Name: MW-3S_121423 **Date Collected:** 12/14/23
Lab Code: R2311621-007 **Date Received:** 12/14/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
300.0		KAWONG
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
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		SZOGBY
SM 5310 B-2014		KAWONG

Sample Name: MW-1S_121423 **Date Collected:** 12/14/23
Lab Code: R2311621-008 **Date Received:** 12/14/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
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		SZOGBY
SM 5310 B-2014		KAWONG

Client: Barton & Loguidice, DPC **Service Request:** R2311621
Project: Torrey Landfill/360 Routine

Sample Name: MW-12D_121423 **Date Collected:** 12/14/23
Lab Code: R2311621-009 **Date Received:** 12/14/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
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		SZOGBY
SM 5310 B-2014		CWOODS

Sample Name: MW-12D-DUP_121423 **Date Collected:** 12/14/23
Lab Code: R2311621-010 **Date Received:** 12/14/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine		

Sample Name:	MW-12D-DUP_121423	**Date Collected:**	12/14/23
Lab Code:	R2311621-010	**Date Received:**	12/14/23
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
SM 5210 B-2016		SZOGBY
SM 5310 B-2014		CWOODS

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
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

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

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/13/23 12:15
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	Upstream_121323	**Basis:**	NA
Lab Code:	R2311621-001		

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	12/19/23 23:42	12/18/23	
Calcium, Total	6010C	**114000**	ug/L	1000	1	12/19/23 23:42	12/18/23	
Iron, Total	6010C	**1480**	ug/L	100	1	12/19/23 23:42	12/18/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/19/23 23:42	12/18/23	
Magnesium, Total	6010C	**37900**	ug/L	1000	1	12/19/23 23:42	12/18/23	
Manganese, Total	6010C	**55**	ug/L	10	1	12/19/23 23:42	12/18/23	
Potassium, Total	6010C	**3600**	ug/L	2000	1	12/19/23 23:42	12/18/23	
Sodium, Total	6010C	**33900**	ug/L	1000	1	12/19/23 23:42	12/18/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/13/23 12:40
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	Downstream_121323	**Basis:**	NA
Lab Code:	R2311621-002		

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	12/19/23 23:45	12/18/23	
Calcium, Total	6010C	**97400**	ug/L	1000	1	12/19/23 23:45	12/18/23	
Iron, Total	6010C	**220**	ug/L	100	1	12/19/23 23:45	12/18/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/19/23 23:45	12/18/23	
Magnesium, Total	6010C	**35200**	ug/L	1000	1	12/19/23 23:45	12/18/23	
Manganese, Total	6010C	**23**	ug/L	10	1	12/19/23 23:45	12/18/23	
Potassium, Total	6010C	**3800**	ug/L	2000	1	12/19/23 23:45	12/18/23	
Sodium, Total	6010C	**25800**	ug/L	1000	1	12/19/23 23:45	12/18/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 08:05
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-16_121423	**Basis:**	NA
Lab Code:	R2311621-003		

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	12/19/23 23:49	12/18/23	
Calcium, Total	6010C	**126000**	ug/L	1000	1	12/19/23 23:49	12/18/23	
Iron, Total	6010C	**5980**	ug/L	100	1	12/19/23 23:49	12/18/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/19/23 23:49	12/18/23	
Magnesium, Total	6010C	**37700**	ug/L	1000	1	12/19/23 23:49	12/18/23	
Manganese, Total	6010C	**156**	ug/L	10	1	12/19/23 23:49	12/18/23	
Potassium, Total	6010C	**4000**	ug/L	2000	1	12/19/23 23:49	12/18/23	
Sodium, Total	6010C	**7500**	ug/L	1000	1	12/19/23 23:49	12/18/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 08:20
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	PZ-2_121423	**Basis:**	NA
Lab Code:	R2311621-004		

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	12/19/23 23:52	12/18/23	
Calcium, Total	6010C	**217000**	ug/L	1000	1	12/19/23 23:52	12/18/23	
Iron, Total	6010C	**15300**	ug/L	100	1	12/19/23 23:52	12/18/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/19/23 23:52	12/18/23	
Magnesium, Total	6010C	**119000**	ug/L	1000	1	12/19/23 23:52	12/18/23	
Manganese, Total	6010C	**622**	ug/L	10	1	12/19/23 23:52	12/18/23	
Potassium, Total	6010C	**6700**	ug/L	2000	1	12/19/23 23:52	12/18/23	
Sodium, Total	6010C	**312000**	ug/L	10000	10	12/21/23 05:19	12/18/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 08:40
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-4S_121423	**Basis:**	NA
Lab Code:	R2311621-005		

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	12/19/23 23:55	12/18/23	
Calcium, Total	6010C	**199000**	ug/L	1000	1	12/19/23 23:55	12/18/23	
Iron, Total	6010C	**2720**	ug/L	100	1	12/19/23 23:55	12/18/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/19/23 23:55	12/18/23	
Magnesium, Total	6010C	**60000**	ug/L	1000	1	12/19/23 23:55	12/18/23	
Manganese, Total	6010C	**1080**	ug/L	10	1	12/19/23 23:55	12/18/23	
Potassium, Total	6010C	**5200**	ug/L	2000	1	12/19/23 23:55	12/18/23	
Sodium, Total	6010C	**17600**	ug/L	1000	1	12/19/23 23:55	12/18/23	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 09:00
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-4D_121423	**Basis:**	NA
Lab Code:	R2311621-006		

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	12/19/23 23:58	12/18/23	
Calcium, Total	6010C	**22800**	ug/L	1000	1	12/19/23 23:58	12/18/23	
Iron, Total	6010C	**3160**	ug/L	100	1	12/19/23 23:58	12/18/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/19/23 23:58	12/18/23	
Magnesium, Total	6010C	**7200**	ug/L	1000	1	12/19/23 23:58	12/18/23	
Manganese, Total	6010C	**121**	ug/L	10	1	12/19/23 23:58	12/18/23	
Potassium, Total	6010C	**3200**	ug/L	2000	1	12/19/23 23:58	12/18/23	
Sodium, Total	6010C	**284000**	ug/L	10000	10	12/21/23 05:22	12/18/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 09:30
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-3S_121423	**Basis:**	NA
Lab Code:	R2311621-007		

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	12/20/23 00:01	12/18/23	
Calcium, Total	6010C	**63100**	ug/L	1000	1	12/20/23 00:01	12/18/23	
Iron, Total	6010C	**460**	ug/L	100	1	12/20/23 00:01	12/18/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/23 00:01	12/18/23	
Magnesium, Total	6010C	**93500**	ug/L	1000	1	12/20/23 00:01	12/18/23	
Manganese, Total	6010C	**11**	ug/L	10	1	12/20/23 00:01	12/18/23	
Potassium, Total	6010C	**4100**	ug/L	2000	1	12/20/23 00:01	12/18/23	
Sodium, Total	6010C	**27500**	ug/L	1000	1	12/20/23 00:01	12/18/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 09:55
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-1S_121423	**Basis:**	NA
Lab Code:	R2311621-008		

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	12/20/23 00:04	12/18/23	
Calcium, Total	6010C	**94500**	ug/L	1000	1	12/20/23 00:04	12/18/23	
Iron, Total	6010C	**1730**	ug/L	100	1	12/20/23 00:04	12/18/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/23 00:04	12/18/23	
Magnesium, Total	6010C	**38300**	ug/L	1000	1	12/20/23 00:04	12/18/23	
Manganese, Total	6010C	**108**	ug/L	10	1	12/20/23 00:04	12/18/23	
Potassium, Total	6010C	2000 U	ug/L	2000	1	12/20/23 00:04	12/18/23	
Sodium, Total	6010C	**11200**	ug/L	1000	1	12/20/23 00:04	12/18/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 10:25
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-12D_121423	**Basis:**	NA
Lab Code:	R2311621-009		

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	12/20/23 00:13	12/18/23	
Calcium, Total	6010C	**45800**	ug/L	1000	1	12/20/23 00:13	12/18/23	
Iron, Total	6010C	**210**	ug/L	100	1	12/20/23 00:13	12/18/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/23 00:13	12/18/23	
Magnesium, Total	6010C	**3100**	ug/L	1000	1	12/20/23 00:13	12/18/23	
Manganese, Total	6010C	10 U	ug/L	10	1	12/20/23 00:13	12/18/23	
Potassium, Total	6010C	**7100**	ug/L	2000	1	12/20/23 00:13	12/18/23	
Sodium, Total	6010C	**96300**	ug/L	1000	1	12/20/23 00:13	12/18/23	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 10:25
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-12D-DUP_121423	**Basis:**	NA
Lab Code:	R2311621-010		

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	12/20/23 00:16	12/18/23	
Calcium, Total	6010C	**43800**		ug/L	1000	1	12/20/23 00:16	12/18/23	
Iron, Total	6010C	**160**		ug/L	100	1	12/20/23 00:16	12/18/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	12/20/23 00:16	12/18/23	
Magnesium, Total	6010C	**3000**		ug/L	1000	1	12/20/23 00:16	12/18/23	
Manganese, Total	6010C	10	U	ug/L	10	1	12/20/23 00:16	12/18/23	
Potassium, Total	6010C	**7000**		ug/L	2000	1	12/20/23 00:16	12/18/23	
Sodium, Total	6010C	**94900**		ug/L	1000	1	12/20/23 00:16	12/18/23	

General Chemistry

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

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/13/23 12:15
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	Upstream_121323	**Basis:**	NA
Lab Code:	R2311621-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**404**		mg/L	2.0	1	12/22/23 06:31	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	12/27/23 21:00	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	12/15/23 05:44	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	12/15/23 10:30	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**4.9**		mg/L	1.0	1	12/29/23 05:29	NA	
Chemical Oxygen Demand, Total	410.4	**18.3**		mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	**68.7**		mg/L	2.0	10	12/15/23 10:30	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**440**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	12/15/23 10:30	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.62**		mg/L	0.20	1	12/29/23 12:04	12/28/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	12/27/23 23:43	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**533**		mg/L	11	1	12/19/23 11:45	NA	
Sulfate	300.0	**27.2**		mg/L	2.0	10	12/15/23 10:30	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/13/23 12:40
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	Downstream_121323	**Basis:**	NA
Lab Code:	R2311621-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**366**	mg/L	2.0	1	12/22/23 06:38	NA	
Ammonia as Nitrogen, undistilled	350.1	**0.055**	mg/L	0.050	1	12/27/23 21:01	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/15/23 05:43	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/15/23 10:36	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**4.4**	mg/L	1.0	1	12/29/23 05:46	NA	
Chemical Oxygen Demand, Total	410.4	**10.2**	mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	**34.4**	mg/L	2.0	10	12/15/23 10:36	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**388**	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	**2.2**	mg/L	1.0	10	12/15/23 10:36	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.48**	mg/L	0.20	1	12/29/23 12:07	12/28/23	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/27/23 23:48	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**461**	mg/L	10	1	12/19/23 11:45	NA	
Sulfate	300.0	**30.7**	mg/L	2.0	10	12/15/23 10:36	NA	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 08:05
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-16_121423	**Basis:**	NA
Lab Code:	R2311621-003		

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	12/22/23 06:46	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	12/27/23 21:02	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	12/15/23 05:38	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	12/15/23 10:43	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**2.3**		mg/L	1.0	1	12/29/23 06:02	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	2.0	U	mg/L	2.0	10	12/15/23 10:43	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**470**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	12/15/23 10:43	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.38**		mg/L	0.20	1	12/29/23 12:09	12/28/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	12/27/23 23:52	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**433**		mg/L	10	1	12/19/23 11:45	NA	
Sulfate	300.0	**8.0**		mg/L	2.0	10	12/15/23 10:43	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 08:20
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	PZ-2_121423	**Basis:**	NA
Lab Code:	R2311621-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**936**	mg/L	6.0	3	12/22/23 08:05	NA	
Ammonia as Nitrogen, undistilled	350.1	**3.05**	mg/L	0.25	5	12/27/23 21:04	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/15/23 05:37	NA	
Bromide	300.0	**1.0**	mg/L	1.0	10	12/15/23 10:49	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**5.0**	mg/L	1.0	1	12/29/23 06:19	NA	
Chemical Oxygen Demand, Total	410.4	**16.7**	mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	**221**	mg/L	10	50	12/19/23 20:16	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**1030**	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/15/23 10:49	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**3.81**	mg/L	0.20	1	12/29/23 12:10	12/28/23	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/28/23 00:07	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**1820**	mg/L	40	1	12/19/23 11:45	NA	
Sulfate	300.0	**101**	mg/L	10	50	12/19/23 20:16	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 08:40
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-4S_121423	**Basis:**	NA
Lab Code:	R2311621-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**622**		mg/L	2.0	1	12/22/23 07:02	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	12/27/23 21:05	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	12/15/23 05:36	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	12/15/23 11:20	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**4.6**		mg/L	1.0	1	12/29/23 06:37	NA	
Chemical Oxygen Demand, Total	410.4	**13.5**		mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	**8.1**		mg/L	2.0	10	12/15/23 11:20	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**743**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	**6.6**		mg/L	1.0	10	12/15/23 11:20	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.59**		mg/L	0.20	1	12/29/23 12:11	12/28/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	12/28/23 00:12	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**827**		mg/L	12	1	12/19/23 11:45	NA	
Sulfate	300.0	**126**		mg/L	4.0	20	12/19/23 20:22	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 09:00
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-4D_121423	**Basis:**	NA
Lab Code:	R2311621-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**703**		mg/L	2.0	1	12/22/23 08:14	NA	
Ammonia as Nitrogen, undistilled	350.1	**2.45**		mg/L	0.25	5	12/27/23 21:10	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	**9.8**	**X**	mg/L	2.0	1	12/15/23 05:39	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	12/15/23 10:55	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**31.5**		mg/L	2.0	2	12/29/23 07:03	NA	
Chemical Oxygen Demand, Total	410.4	**70.1**		mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	**3.1**		mg/L	2.0	10	12/15/23 10:55	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**86.4**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	12/15/23 10:55	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**4.70**		mg/L	0.20	1	12/29/23 12:12	12/28/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	12/28/23 00:34	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**779**		mg/L	13	1	12/19/23 11:45	NA	
Sulfate	300.0	2.0	U	mg/L	2.0	10	12/15/23 10:55	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 09:30
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-3S_121423	**Basis:**	NA
Lab Code:	R2311621-007		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**537**		mg/L	2.0	1	12/22/23 08:22	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	12/27/23 21:11	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	12/15/23 05:40	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	12/15/23 11:39	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0	U	mg/L	1.0	1	12/29/23 07:20	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	**4.3**		mg/L	2.0	10	12/15/23 11:39	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**542**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	12/15/23 11:39	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20	U	mg/L	0.20	1	12/29/23 12:17	12/28/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	12/28/23 00:39	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**557**		mg/L	11	1	12/19/23 11:45	NA	
Sulfate	300.0	**50.6**		mg/L	2.0	10	12/15/23 11:39	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 09:55
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-1S_121423	**Basis:**	NA
Lab Code:	R2311621-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**353**		mg/L	2.0	1	12/22/23 08:29	NA	
Ammonia as Nitrogen, undistilled	350.1	**0.338**		mg/L	0.050	1	12/27/23 21:12	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	12/15/23 05:41	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	12/15/23 11:45	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0	U	mg/L	1.0	1	12/29/23 07:36	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	**5.2**		mg/L	2.0	10	12/15/23 11:45	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**394**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	12/15/23 11:45	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.46**		mg/L	0.20	1	12/29/23 12:18	12/28/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	12/28/23 00:44	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**399**		mg/L	10	1	12/19/23 11:45	NA	
Sulfate	300.0	**42.9**		mg/L	2.0	10	12/15/23 11:45	NA	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 10:25
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-12D_121423	**Basis:**	NA
Lab Code:	R2311621-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**303**	mg/L	2.0	1	12/22/23 08:43	NA	
Ammonia as Nitrogen, undistilled	350.1	**5.72**	mg/L	0.50	10	12/27/23 21:14	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	**3.3 X**	mg/L	2.0	1	12/15/23 05:42	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/15/23 11:51	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**5.9**	mg/L	1.0	1	12/28/23 21:36	NA	
Chemical Oxygen Demand, Total	410.4	**18.3**	mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	**7.8**	mg/L	2.0	10	12/15/23 11:51	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**127**	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/15/23 11:51	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**5.71**	mg/L	0.20	1	12/29/23 12:19	12/28/23	
Phenolics, Total Recoverable	9066	**0.0052**	mg/L	0.0050	1	12/28/23 00:48	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**327**	mg/L	12	1	12/19/23 11:45	NA	
Sulfate	300.0	2.0 U	mg/L	2.0	10	12/15/23 11:51	NA	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 10:25
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-12D-DUP_121423	**Basis:**	NA
Lab Code:	R2311621-010		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**305**		mg/L	2.0	1	12/22/23 08:49	NA	
Ammonia as Nitrogen, undistilled	350.1	**5.75**		mg/L	0.50	10	12/27/23 21:15	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	**8.6**	**X**	mg/L	2.0	1	12/15/23 05:35	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	12/15/23 11:58	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**5.9**		mg/L	1.0	1	12/28/23 22:04	NA	
Chemical Oxygen Demand, Total	410.4	**16.7**		mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	**7.8**		mg/L	2.0	10	12/15/23 11:58	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**122**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	12/15/23 11:58	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**5.73**		mg/L	0.20	1	12/29/23 12:19	12/28/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	12/28/23 00:53	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**332**		mg/L	11	1	12/21/23 11:00	NA	
Sulfate	300.0	2.0	U	mg/L	2.0	10	12/15/23 11:58	NA	

Field Data

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

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/13/23 12:15
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	Upstream_121323	**Basis:**	NA
Lab Code:	R2311621-001		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**942**	uMHOS/cm	-	1	12/13/23 12:15	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**130**	mV	-	1	12/13/23 12:15	
Oxygen, Dissolved	SM 4500-O G	**8.55**	mg/L	0.20	1	12/13/23 12:15	
pH, Field	SM 4500-H+ B	**7.88**	pH Units	-	1	12/13/23 12:15	
Temperature, Field	SM 2550 B	**6.20**	deg C	-	1	12/13/23 12:15	
Turbidity, Field	180.1	**0.6**	NTU	-	1	12/13/23 12:15	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/13/23 12:40
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	Downstream_121323	**Basis:**	NA
Lab Code:	R2311621-002		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**799**	uMHOS/cm	-	1	12/13/23 12:40	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**127**	mV	-	1	12/13/23 12:40	
Oxygen, Dissolved	SM 4500-O G	**11.8**	mg/L	0.20	1	12/13/23 12:40	
pH, Field	SM 4500-H+ B	**8.19**	pH Units	-	1	12/13/23 12:40	
Temperature, Field	SM 2550 B	**3.70**	deg C	-	1	12/13/23 12:40	
Turbidity, Field	180.1	**0.8**	NTU	-	1	12/13/23 12:40	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 08:05
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-16_121423	**Basis:**	NA
Lab Code:	R2311621-003		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**772**	uMHOS/cm	-	1	12/14/23 08:05	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**180**	mV	-	1	12/14/23 08:05	
pH, Field	SM 4500-H+ B	**7.15**	pH Units	-	1	12/14/23 08:05	
Temperature, Field	SM 2550 B	**11.5**	deg C	-	1	12/14/23 08:05	
Turbidity, Field	180.1	**45.8**	NTU	-	1	12/14/23 08:05	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 08:20
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	PZ-2_121423	**Basis:**	NA
Lab Code:	R2311621-004		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**3092**	uMHOS/cm	-	1	12/14/23 08:20	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-81.0**	mV	-	1	12/14/23 08:20	
pH, Field	SM 4500-H+ B	**6.76**	pH Units	-	1	12/14/23 08:20	
Temperature, Field	SM 2550 B	**9.90**	deg C	-	1	12/14/23 08:20	
Turbidity, Field	180.1	**7.7**	NTU	-	1	12/14/23 08:20	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 08:40
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-4S_121423	**Basis:**	NA
Lab Code:	R2311621-005		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**1288**	uMHOS/cm	-	1	12/14/23 08:40	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**79.0**	mV	-	1	12/14/23 08:40	
pH, Field	SM 4500-H+ B	**6.73**	pH Units	-	1	12/14/23 08:40	
Temperature, Field	SM 2550 B	**9.60**	deg C	-	1	12/14/23 08:40	
Turbidity, Field	180.1	**12.3**	NTU	-	1	12/14/23 08:40	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 09:00
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-4D_121423	**Basis:**	NA
Lab Code:	R2311621-006		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**1191**	uMHOS/cm	-	1	12/14/23 09:00	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**21.0**	mV	-	1	12/14/23 09:00	
pH, Field	SM 4500-H+ B	**7.32**	pH Units	-	1	12/14/23 09:00	
Temperature, Field	SM 2550 B	**10.5**	deg C	-	1	12/14/23 09:00	
Turbidity, Field	180.1	**29.1**	NTU	-	1	12/14/23 09:00	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 09:30
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-3S_121423	**Basis:**	NA
Lab Code:	R2311621-007		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**970**	uMHOS/cm	-	1	12/14/23 09:30	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**99.0**	mV	-	1	12/14/23 09:30	
pH, Field	SM 4500-H+ B	**7.35**	pH Units	-	1	12/14/23 09:30	
Temperature, Field	SM 2550 B	**10.6**	deg C	-	1	12/14/23 09:30	
Turbidity, Field	180.1	**7.9**	NTU	-	1	12/14/23 09:30	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 09:55
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-1S_121423	**Basis:**	NA
Lab Code:	R2311621-008		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**710**	uMHOS/cm	-	1	12/14/23 09:55	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**47.0**	mV	-	1	12/14/23 09:55	
pH, Field	SM 4500-H+ B	**7.40**	pH Units	-	1	12/14/23 09:55	
Temperature, Field	SM 2550 B	**10.6**	deg C	-	1	12/14/23 09:55	
Turbidity, Field	180.1	**19.5**	NTU	-	1	12/14/23 09:55	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 10:25
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-12D_121423	**Basis:**	NA
Lab Code:	R2311621-009		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**1378**	uMHOS/cm	-	1	12/14/23 10:25	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-13.0**	mV	-	1	12/14/23 10:25	
pH, Field	SM 4500-H+ B	**11.61**	pH Units	-	1	12/14/23 10:25	
Temperature, Field	SM 2550 B	**7.50**	deg C	-	1	12/14/23 10:25	
Turbidity, Field	180.1	**9.9**	NTU	-	1	12/14/23 10:25	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 10:25
Sample Matrix:	Water	**Date Received:**	12/14/23 14:35
Sample Name:	MW-12D-DUP_121423	**Basis:**	NA
Lab Code:	R2311621-010		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**1394**	uMHOS/cm	-	1	12/14/23 10:25	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-47.0**	mV	-	1	12/14/23 10:25	
pH, Field	SM 4500-H+ B	**12.20**	pH Units	-	1	12/14/23 10:25	
Temperature, Field	SM 2550 B	**7.40**	deg C	-	1	12/14/23 10:25	
Turbidity, Field	180.1	**5.7**	NTU	-	1	12/14/23 10:25	

QC Summary 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

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

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2311621-MB		

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	12/19/23 23:36	12/18/23	
Calcium, Total	6010C	1000	U	ug/L	1000	1	12/19/23 23:36	12/18/23	
Iron, Total	6010C	100	U	ug/L	100	1	12/19/23 23:36	12/18/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	12/19/23 23:36	12/18/23	
Magnesium, Total	6010C	1000	U	ug/L	1000	1	12/19/23 23:36	12/18/23	
Manganese, Total	6010C	10	U	ug/L	10	1	12/19/23 23:36	12/18/23	
Potassium, Total	6010C	2000	U	ug/L	2000	1	12/19/23 23:36	12/18/23	
Sodium, Total	6010C	1000	U	ug/L	1000	1	12/19/23 23:36	12/18/23	

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

Service Request: R2311621
Date Analyzed: 12/19/23

Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

Lab Control Sample
R2311621-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Cadmium, Total	6010C	48.1	50.0	96	80-120
Calcium, Total	6010C	2000	2000	99	80-120
Iron, Total	6010C	990	1000	99	80-120
Lead, Total	6010C	481	500	96	80-120
Magnesium, Total	6010C	1900	2000	93	80-120
Manganese, Total	6010C	492	500	98	80-120
Potassium, Total	6010C	19100	20000	96	80-120
Sodium, Total	6010C	20300	20000	101	80-120

General Chemistry

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

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2311621-MB1		

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	12/22/23 04:39	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	12/27/23 20:56	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	12/15/23 17:01	NA	
Bromide	300.0	0.10	U	mg/L	0.10	1	12/15/23 06:35	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0	U	mg/L	1.0	1	12/28/23 21:31	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	0.20	U	mg/L	0.20	1	12/15/23 06:35	NA	
Nitrate as Nitrogen	300.0	0.10	U	mg/L	0.10	1	12/15/23 06:35	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20	U	mg/L	0.20	1	12/29/23 11:49	12/28/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	12/27/23 23:15	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10	U	mg/L	10	1	12/19/23 11:45	NA	
Sulfate	300.0	0.20	U	mg/L	0.20	1	12/15/23 06:35	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2311621-MB2		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Bromide	300.0	0.10	U	mg/L	0.10	1	12/15/23 11:08	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0	U	mg/L	1.0	1	12/28/23 20:12	NA	
Chloride	300.0	0.20	U	mg/L	0.20	1	12/15/23 11:08	NA	
Nitrate as Nitrogen	300.0	0.10	U	mg/L	0.10	1	12/15/23 11:08	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20	U	mg/L	0.20	1	12/29/23 12:14	12/28/23	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10	U	mg/L	10	1	12/21/23 11:00	NA	
Sulfate	300.0	0.20	U	mg/L	0.20	1	12/15/23 11:08	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2311621-MB3		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	0.20 U	mg/L	0.20	1	12/19/23 18:11	
Sulfate	300.0	0.20 U	mg/L	0.20	1	12/19/23 18:11	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/13/23
Sample Matrix:	Water	**Date Received:**	12/14/23
		Date Analyzed:	12/29/23
		Date Extracted:	12/28/23

Duplicate Matrix Spike Summary
Nitrogen, Total Kjeldahl (TKN)

Sample Name:	Upstream_121323	**Units:**	mg/L
Lab Code:	R2311621-001	**Basis:**	NA
Analysis Method:	351.2		
Prep Method:	Method		

		Matrix Spike R2311621-001MS			Duplicate Matrix Spike R2311621-001DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Nitrogen, Total Kjeldahl (TKN)	0.62	2.92	2.50	92	2.85	2.50	89 *	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.

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.

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/13/23
Sample Matrix:	Water	**Date Received:**	12/14/23
		Date Analyzed:	12/29/23
		Date Extracted:	12/28/23

Duplicate Matrix Spike Summary
Nitrogen, Total Kjeldahl (TKN)

Sample Name:	Downstream_121323	**Units:**	mg/L
Lab Code:	R2311621-002	**Basis:**	NA
Analysis Method:	351.2		
Prep Method:	Method		

		Matrix Spike R2311621-002MS			Duplicate Matrix Spike R2311621-002DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Nitrogen, Total Kjeldahl (TKN)	0.48	2.79	2.50	93	2.73	2.50	90	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.

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

QA/QC Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23
Sample Matrix:	Water	**Date Received:**	12/14/23
		Date Analyzed:	12/27/23

Duplicate Matrix Spike Summary
Phenolics, Total Recoverable

Sample Name:	MW-16_121423	**Units:**	mg/L
Lab Code:	R2311621-003	**Basis:**	NA
Analysis Method:	9066		

		Matrix Spike R2311621-003MS			Duplicate Matrix Spike R2311621-003DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Phenolics, Total Recoverable	0.0050 U	0.0387	0.0400	97	0.0397	0.0400	99	49-137	3	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.

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.

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

Service Request:R2311621
Date Collected:12/14/23
Date Received:12/14/23
Date Analyzed:12/15/23 - 12/27/23

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-4S_121423
Lab Code: R2311621-005

Units:mg/L
Basis:NA

			Matrix Spike			Duplicate Matrix Spike					
			R2311621-005MS			R2311621-005DMS					
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	0.192	0.250	77 *	0.197	0.250	79 *	90-110	3	20
Bromide	300.0	1.0 U	9.6	10.0	96	9.6	10.0	96	90-110	<1	20
Chloride	300.0	8.1	27.0	20.0	94	27.1	20.0	95	90-110	<1	20
Nitrate as Nitrogen	300.0	6.6	16.1	10.0	95	16.1	10.0	94	90-110	<1	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	**Service Request:**	R2311621
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23
Sample Matrix:	Water	**Date Received:**	12/14/23
		Date Analyzed:	12/19/23

Duplicate Matrix Spike Summary
Chemical Oxygen Demand, Total

Sample Name:	MW-12D_121423	**Units:**	mg/L
Lab Code:	R2311621-009	**Basis:**	NA
Analysis Method:	410.4		

		Matrix Spike R2311621-009MS			**Duplicate Matrix Spike** R2311621-009DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Chemical Oxygen Demand, Total	18.3	41.0	25.0	91	39.4	25.0	85 *	90-110	4	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.

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

QA/QC Report

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

Service Request:R2311621
Date Collected:12/14/23
Date Received:12/14/23
Date Analyzed:12/28/23

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-12D-DUP_121423
Lab Code: R2311621-010

Units:mg/L
Basis:NA

			Matrix Spike R2311621-010MS			Duplicate Matrix Spike R2311621-010DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Phenolics, Total Recoverable	9066	0.0050 U	0.0450	0.0400	113	0.0441	0.0400	110	49-137	2	20
Carbon, Total Organic (TOC)	SM 5310 B-2014	5.9	30.0	25.0	96	31.3	25.0	102	48-135	4	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.

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311621
Project	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23
Sample Matrix:	Water	**Date Received:**	12/14/23
		Date Analyzed:	12/22/23

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	MW-1S_121423	**Units:**	mg/L
Lab Code:	R2311621-008	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2311621-008DUP Result	Average	RPD	RPD Limit
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0	353	354	353	<1	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.

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

Service Request: R2311621
Date Analyzed: 12/15/23 - 12/29/23

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2311621-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	24.6	25.0	99	80-120
Ammonia as Nitrogen, undistilled	350.1	0.249	0.250	100	90-110
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	207	198	105	85-115
Bromide	300.0	1.03	1.00	103	90-110
Carbon, Total Organic (TOC)	SM 5310 B-2014	24.4	25.0	98	80-121
Chemical Oxygen Demand, Total	410.4	47.5	50.0	95	90-110
Chloride	300.0	2.05	2.00	103	90-110
Nitrate as Nitrogen	300.0	1.02	1.00	102	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.50	2.50	100	90-110
Phenolics, Total Recoverable	9066	0.0363	0.0400	91	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-2015	926	914	101	90-110
Sulfate	300.0	2.07	2.00	104	90-110

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

Service Request: R2311621
Date Analyzed: 12/15/23 - 12/29/23

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2311621-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromide	300.0	0.97	1.00	97	90-110
Carbon, Total Organic (TOC)	SM 5310 B-2014	23.5	25.0	94	80-121
Chloride	300.0	1.94	2.00	97	90-110
Nitrate as Nitrogen	300.0	0.96	1.00	96	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.44	2.50	98	90-110
Solids, Total Dissolved (TDS)	SM 2540 C-2015	898	914	98	90-110
Sulfate	300.0	1.93	2.00	96	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: R2311621
Date Analyzed: 12/19/23

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2311621-LCS3

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	2.04	2.00	102	90-110
Sulfate	300.0	2.04	2.00	102	90-110

January 05, 2024 Service Request No:R2311657

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 15, 2023
For your reference, these analyses have been assigned our service request number **R2311657.**

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 7476. You may also contact me via email at Chris.Leavy@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Christopher Leavy
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: R2311657
Date Received: 12/15/2023

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:

Ten water samples were received for analysis at ALS Environmental on 12/15/2023. 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, 12/20/2023: 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 SM5210B, 12/15/2023: The dilution water blank used for one or more batches set on this date did not meet the method guidance for dissolved oxygen depletion of less than 0.2 mg/L. Samples associated with the dilution water are flagged with an "X".The dilution water used in BOD consists of DI and nutrients needed to sustain the microbes (seed) over the 5 days of the test. The method (Standard Methods 5210B) requires that the dilution water blank has no more than 0.2 mg/L depletion of dissolved oxygen from when the bottle is initially tested on Day 0 until it is tested again on Day 5. Three dilution water blanks are set for each batch and the average of the 3 bottles is used to determine whether the 0.2 mg/L criteria is met. The dilution water blanks measure contamination coming not only from the water itself, but also anything the water comes in contact with, including the carboy, delivery tube, and bottle. Blank issues can also be caused by calibration variation in the Dissolved Oxygen meter between Day 0 and Day 5. New York ELAP requires us to flag client results associated with a dilution water blank (average of 3) which did not meet the 0.2 mg/L criteria. It is not uncommon to see a result <MRL for the Method Blank, yet still get X flagged results. The MRL (2 mg/L) is much higher than the dilution water criteria (0.2 mg/L). The contamination is multiplicative with the dilution factor, but consistent as a %difference. It is not uncommon for the average of the 3 dilution water blanks to be >0.2 mg/L, yet only one of the 3 blanks exhibited contamination. This situation is surely not caused by a problem with the carboy water, nor the calibration, but caused by a problem associated with the analysis of that particular bottle. It cannot be ignored, however, in case the cause is also present in the analysis of client sample bottles. All samples are set at 3-5 different bottle dilutions, since controls are set regarding the minimum DO depletion (must be greater than 2 mg/L depletion) and the minimum final DO (>1mg/L DO). A sample with a known history of a low BOD concentration is typically set using 30, 100, and 200 mL of sample, and brought up to volume in 300 mL BOD bottles. These are all reported as a dilution of “1” on the report, but are calculated with the appropriate bottle dilution when determining the BOD result. The reason the actual bottle dilution is not used on the report is that if more than one bottle meets controls, results are averaged from the acceptable bottles with different dilutions. If a sample is diluted prior to measuring the sample into the BOD bottle, the report will indicate the initial dilution. There is always some sample dilution. We do not set more than 200 mL sample in a 300 mL bottle. This is necessary to ensure that some dilution water containing nutrients is added to sustain the microbes during the 5 day test

Method SM5210B, R2311657-007, 008: The BOD result was calculated from two bottles that had a %Difference >30%. The % Difference does not appear to be due to toxicity.

Method SM5210B, 12/15/2023: The dilution water blank used for one or more batches set on this date did not meet the method guidance for dissolved oxygen depletion of less than 0.2 mg/L. Samples associated with the dilution water are flagged with an "X".The dilution water used in BOD consists of DI and nutrients needed to sustain the microbes (seed) over the 5 days of the test. The method (Standard Methods 5210B) requires that the dilution water blank has no more than 0.2 mg/L depletion of dissolved oxygen from when the bottle is initially tested on Day 0 until it is tested again on Day 5. Three dilution water blanks are set for each batch and the average of the 3 bottles is used to determine whether the 0.2 mg/L criteria is met. The dilution water blanks measure contamination coming not only from the water itself, but also anything the water comes in contact with, including the carboy, delivery tube, and bottle. Blank issues can also be caused by calibration variation in the Dissolved Oxygen meter between Day 0 and Day 5. New York ELAP requires us to flag client results associated with a dilution water blank (average of 3)

Approved by _____ Date 01/05/2024

which did not meet the 0.2 mg/L criteria. It is not uncommon to see a result <MRL for the Method Blank, yet still get X flagged results. The MRL (2 mg/L) is much higher than the dilution water criteria (0.2 mg/L). The contamination is multiplicative with the dilution factor, but consistent as a %difference. It is not uncommon for the average of the 3 dilution water blanks to be >0.2 mg/L, yet only one of the 3 blanks exhibited contamination. This situation is surely not caused by a problem with the carboy water, nor the calibration, but caused by a problem associated with the analysis of that particular bottle. It cannot be ignored, however, in case the cause is also present in the analysis of client sample bottles. All samples are set at 3-5 different bottle dilutions, since controls are set regarding the minimum DO depletion (must be greater than 2 mg/L depletion) and the minimum final DO (>1mg/L DO). A sample with a known history of a low BOD concentration is typically set using 30, 100, and 200 mL of sample, and brought up to volume in 300 mL BOD bottles. These are all reported as a dilution of “1” on the report, but are calculated with the appropriate bottle dilution when determining the BOD result. The reason the actual bottle dilution is not used on the report is that if more than one bottle meets controls, results are averaged from the acceptable bottles with different dilutions. If a sample is diluted prior to measuring the sample into the BOD bottle, the report will indicate the initial dilution. There is always some sample dilution. We do not set more than 200 mL sample in a 300 mL bottle. This is necessary to ensure that some dilution water containing nutrients is added to sustain the microbes during the 5 day test

Field:

No significant anomalies were noted with this analysis.

Approved by _____ Date 01/05/2024

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_121423	Lab ID: R2311657-001					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	381			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.556			0.050	mg/L	350.1
Biochemical Oxygen Demand (BOD)	2.9	X		2.0	mg/L	SM 5210 B-2016
Calcium, Total	88800			1000	ug/L	6010C
Carbon, Total Organic (TOC)	1.5			1.0	mg/L	SM 5310 B-2014
Chloride	3.3			2.0	mg/L	300.0
Conductivity, Field	696				uMHOS/cm	120.1
Hardness, Total as CaCO3	349			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	1110			100	ug/L	6010C
Magnesium, Total	30900			1000	ug/L	6010C
Manganese, Total	82			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.75			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-76.0				mV	ASTM D1498-00
Oxygen, Dissolved	2.23			0.20	mg/L	SM 4500-O G
pH, Field	7.34				pH Units	SM 4500-H+ B
Sodium, Total	19000			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	384			10	mg/L	SM 2540 C-2015
Sulfate	14.1			2.0	mg/L	300.0
Temperature, Field	10.9				deg C	SM 2550 B
Turbidity, Field	3.2				NTU	180.1

CLIENT ID: MW-13S_121423	Lab ID: R2311657-002					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	380			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	96100			1000	ug/L	6010C
Carbon, Total Organic (TOC)	2.1			1.0	mg/L	SM 5310 B-2014
Chloride	23.5			2.0	mg/L	300.0
Conductivity, Field	753				uMHOS/cm	120.1
Hardness, Total as CaCO3	376			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	750			100	ug/L	6010C
Magnesium, Total	33100			1000	ug/L	6010C
Manganese, Total	257			10	ug/L	6010C
Oxidation-Reduction Potential (ORP), Field	-63.0				mV	ASTM D1498-00
Oxygen, Dissolved	0.83			0.20	mg/L	SM 4500-O G
pH, Field	7.17				pH Units	SM 4500-H+ B
Sodium, Total	16200			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	412			10	mg/L	SM 2540 C-2015

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-13S_121423	Lab ID: R2311657-002					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Sulfate	6.3			2.0	mg/L	300.0
Temperature, Field	10.6				deg C	SM 2550 B
Turbidity, Field	2.7				NTU	180.1

CLIENT ID: MW-17_121423	Lab ID: R2311657-003					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	439			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	113000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	1.2			1.0	mg/L	SM 5310 B-2014
Chloride	293			20	mg/L	300.0
Conductivity, Field	1736				uMHOS/cm	120.1
Hardness, Total as CaCO3	824			6.62	mg/L	SM 2340 B-1997 (2011)
Magnesium, Total	131000			1000	ug/L	6010C
Manganese, Total	11			10	ug/L	6010C
Oxidation-Reduction Potential (ORP), Field	67.0				mV	ASTM D1498-00
Oxygen, Dissolved	3.24			0.20	mg/L	SM 4500-O G
pH, Field	7.24				pH Units	SM 4500-H+ B
Potassium, Total	3900			2000	ug/L	6010C
Sodium, Total	33600			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	891			14	mg/L	SM 2540 C-2015
Sulfate	70.2			2.0	mg/L	300.0
Temperature, Field	10.8				deg C	SM 2550 B
Turbidity, Field	0.4				NTU	180.1

CLIENT ID: PZ-3	Lab ID: R2311657-004					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	629			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	152000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	1.9			1.0	mg/L	SM 5310 B-2014
Chloride	7.9			2.0	mg/L	300.0
Conductivity, Field	1170				uMHOS/cm	120.1
Hardness, Total as CaCO3	671			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	1490			100	ug/L	6010C
Magnesium, Total	70900			1000	ug/L	6010C
Manganese, Total	69			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	0.26			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-58.0				mV	ASTM D1498-00
Oxygen, Dissolved	1.11			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: PZ-3	Lab ID: R2311657-004					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
pH, Field	6.79				pH Units	SM 4500-H+ B
Sodium, Total	18400			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	724			10	mg/L	SM 2540 C-2015
Sulfate	95.1			2.0	mg/L	300.0
Temperature, Field	10.5				deg C	SM 2550 B
Turbidity, Field	3.5				NTU	180.1

CLIENT ID: PW-10_121423	Lab ID: R2311657-005					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	398			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	100000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	2.1			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	6.2			5.0	mg/L	410.4
Chloride	33.9			2.0	mg/L	300.0
Conductivity, Field	822				uMHOS/cm	120.1
Hardness, Total as CaCO3	422			6.62	mg/L	SM 2340 B-1997 (2011)
Magnesium, Total	41700			1000	ug/L	6010C
Nitrate as Nitrogen	2.8			1.0	mg/L	300.0
Nitrogen, Total Kjeldahl (TKN)	0.34			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	86.0				mV	ASTM D1498-00
Oxygen, Dissolved	7.40			0.20	mg/L	SM 4500-O G
pH, Field	7.27				pH Units	SM 4500-H+ B
Potassium, Total	3000			2000	ug/L	6010C
Sodium, Total	14000			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	423			10	mg/L	SM 2540 C-2015
Sulfate	4.9			2.0	mg/L	300.0
Temperature, Field	9.40				deg C	SM 2550 B
Turbidity, Field	0.2				NTU	180.1

CLIENT ID: PW-5_121423	Lab ID: R2311657-006					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	488			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	2.11			0.25	mg/L	350.1
Calcium, Total	139000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	2.4			1.0	mg/L	SM 5310 B-2014
Chloride	3.6			2.0	mg/L	300.0
Conductivity, Field	860				uMHOS/cm	120.1
Hardness, Total as CaCO3	461			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: PW-5_121423			Lab ID: R2311657-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Iron, Total	280			100	ug/L	6010C
Magnesium, Total	27700			1000	ug/L	6010C
Manganese, Total	27			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	2.24			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-68.0				mV	ASTM D1498-00
Oxygen, Dissolved	2.28			0.20	mg/L	SM 4500-O G
pH, Field	6.77				pH Units	SM 4500-H+ B
Potassium, Total	6600			2000	ug/L	6010C
Sodium, Total	5500			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	471			10	mg/L	SM 2540 C-2015
Sulfate	4.7			2.0	mg/L	300.0
Temperature, Field	10.3				deg C	SM 2550 B
Turbidity, Field	1.1				NTU	180.1

CLIENT ID: PW-1_121523			Lab ID: R2311657-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	592			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.81			0.25	mg/L	350.1
Biochemical Oxygen Demand (BOD)	6.9	X		2.0	mg/L	SM 5210 B-2016
Calcium, Total	143000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	7.5			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	18.6			5.0	mg/L	410.4
Chloride	66.6			2.0	mg/L	300.0
Conductivity, Field	1192				uMHOS/cm	120.1
Hardness, Total as CaCO3	556			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	1200			100	ug/L	6010C
Magnesium, Total	48400			1000	ug/L	6010C
Manganese, Total	988			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	1.23			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-25.0				mV	ASTM D1498-00
Oxygen, Dissolved	1.34			0.20	mg/L	SM 4500-O G
pH, Field	6.70				pH Units	SM 4500-H+ B
Potassium, Total	4500			2000	ug/L	6010C
Sodium, Total	51600			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	553			11	mg/L	SM 2540 C-2015
Sulfate	9.9			2.0	mg/L	300.0
Temperature, Field	10.7				deg C	SM 2550 B
Turbidity, Field	1.4				NTU	180.1

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-8D_121523			Lab ID: R2311657-008			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	426			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	3.85			0.25	mg/L	350.1
Biochemical Oxygen Demand (BOD)	9.8	X		2.0	mg/L	SM 5210 B-2016
Calcium, Total	80300			1000	ug/L	6010C
Carbon, Total Organic (TOC)	7.0			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	14.5			5.0	mg/L	410.4
Chloride	40.9			2.0	mg/L	300.0
Conductivity, Field	870				uMHOS/cm	120.1
Hardness, Total as CaCO3	310			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	3790			100	ug/L	6010C
Magnesium, Total	26600			1000	ug/L	6010C
Manganese, Total	74			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	4.16			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-101				mV	ASTM D1498-00
Oxygen, Dissolved	2.75			0.20	mg/L	SM 4500-O G
pH, Field	6.90				pH Units	SM 4500-H+ B
Sodium, Total	69800			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	476			10	mg/L	SM 2540 C-2015
Temperature, Field	12.0				deg C	SM 2550 B
Turbidity, Field	1.7				NTU	180.1

CLIENT ID: MW-15_121523			Lab ID: R2311657-009			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	453			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	16.4			1.0	mg/L	350.1
Calcium, Total	69700			1000	ug/L	6010C
Carbon, Total Organic (TOC)	4.2			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	9.6			5.0	mg/L	410.4
Chloride	30.6			2.0	mg/L	300.0
Conductivity, Field	927				uMHOS/cm	120.1
Hardness, Total as CaCO3	325			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	6020			100	ug/L	6010C
Magnesium, Total	36600			1000	ug/L	6010C
Manganese, Total	123			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	16.0			1.0	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-68.0				mV	ASTM D1498-00
Oxygen, Dissolved	0.59			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_121523	Lab ID: R2311657-009					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
pH, Field	6.70				pH Units	SM 4500-H+ B
Potassium, Total	17300			2000	ug/L	6010C
Sodium, Total	41400			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	364			11	mg/L	SM 2540 C-2015
Sulfate	6.3			2.0	mg/L	300.0
Temperature, Field	11.6				deg C	SM 2550 B
Turbidity, Field	1.1				NTU	180.1

CLIENT ID: MW-5S_121523	Lab ID: R2311657-010					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	728			6.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	3.41			0.25	mg/L	350.1
Biochemical Oxygen Demand (BOD)	9.8	X		2.0	mg/L	SM 5210 B-2016
Bromide	1.0			1.0	mg/L	300.0
Calcium, Total	148000			1000	ug/L	6010C
Carbon, Total Organic (TOC)	29.9			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	104			5.0	mg/L	410.4
Chloride	48.1			2.0	mg/L	300.0
Conductivity, Field	1472				uMHOS/cm	120.1
Hardness, Total as CaCO3	595			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	33800			100	ug/L	6010C
Magnesium, Total	54800			1000	ug/L	6010C
Manganese, Total	789			10	ug/L	6010C
Nitrogen, Total Kjeldahl (TKN)	5.18			0.20	mg/L	351.2
Oxidation-Reduction Potential (ORP), Field	-128				mV	ASTM D1498-00
Oxygen, Dissolved	0.75			0.20	mg/L	SM 4500-O G
pH, Field	6.71				pH Units	SM 4500-H+ B
Potassium, Total	4400			2000	ug/L	6010C
Sodium, Total	96700			1000	ug/L	6010C
Solids, Total Dissolved (TDS)	801			11	mg/L	SM 2540 C-2015
Temperature, Field	12.6				deg C	SM 2550 B
Turbidity, Field	3.4				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 **Service Request:**R2311657
Project: Torrey Landfill/360 Routine

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2311657-001	MW-12M_121423	12/14/2023	1155
R2311657-002	MW-13S_121423	12/14/2023	1230
R2311657-003	MW-17_121423	12/14/2023	1300
R2311657-004	PZ-3	12/14/2023	1335
R2311657-005	PW-10_121423	12/14/2023	1415
R2311657-006	PW-5_121423	12/14/2023	1455
R2311657-007	PW-1_121523	12/15/2023	0830
R2311657-008	MW-8D_121523	12/15/2023	0945
R2311657-009	MW-15_121523	12/15/2023	1110
R2311657-010	MW-5S_121523	12/15/2023	1210

Chain of Custody / Analytical Request Form

72459

SR#:

Page 1 of 1

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: Barton + Loguidice	Project Name: Torrey Landfill Wells
Contact: Darin Jordan	Project Number:
Email:	ALS Quote #:
Phone:	Sampler's Signature:
Address: Long Point Rd Torrey, NY	Email CC:
	Email CC:
	State Samples Collected (Circle or Write): (NY), MA, PA, CT, Other:

Preservative: 0. None; 1. HCl; 2. HNO3; 3. H2SO4; 4. NAOH; 5. Zn Acet.; 6. MeOH; 7. NaHSO4; 8. Other

Routine: BOD, NO3 (IC)
Baseline: BOD, NO3 (IC) Color, Cr6 7196
360 Expanded: BOD, NO3 (IC) Color, Cr6 7196, Sulfide
363 Expanded: BOD, NO3 (IC) Color, Cr6 7196

Lab ID (ALS)	Sample ID:	Date	Time	Matrix (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 360	Notes:
1	MW-12M	12/14/23	1155	W	6									X	
2	MW-13S		1230	W	6									X	
3	MW-17		1300	W	6									X	
4	PZ-3		1335	W	6									X	
5+6	PW-10		1415	W	12	X								X	QC
7	PW-5		1455	W	6									X	

Special Instructions / Comments:

Turnaround Requirements

_____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
_____ Standard (10 Business Days)
Date Required:

Report Requirements

_____Tier II/Cat A -Results/QC
_____Tier IV/Cat B - Data Validation Report w/. Data
EDD: _____Yes _____No
EDD Type:

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (□ Same as Report To)

PO #:
Company:
Contact:
Email:
Phone:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	Kyle Lee	Remy Rubin				
Company	ALS	ALS				
Date/Time	12/15/23 1410	12/15/23 1410				

R2311657 5
Barton & Loguidice, PC
Torrey Landfill

Distribution: White - Lab Copy; Yellow - Return to Originator

© 2012 by ALS Group

Chain of Custody / Analytical Request Form

72399

SR#:

Page 1 of 1

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

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: Long Point Rd, Torrey NY	Email CC:
	Email CC:
	State Samples Collected (Circle or Write): (NY), MA, PA, CT, Other:

Preservative: 0. None; 1. HCl; 2. HNO3; 3. H2SO4; 4. NAOH; 5. Zn Acet.; 6. MeOH; 7. NaHSO4; 8. Other

Lab ID (ALS)	Sample ID:	Date	Time	Matrix (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	Part 360 Routine	Notes:
8	PW-1	12/15/2023	0830	W	6									X	
9	MW-8D		0945	W	6									X	
10	MW-15		1110	W	6									X	
21	MW-55		1210	W	6									X	

Cr6 7196/SM3500 (BOD), CT ; Cr6 7199/218.6
353.2 NO2 ; OPO4 ; 300 NO2/(NO3) ; Sulfide
RES Cl ; DO ; Ferrous Iron ; Sulfite ; UV 254 ; CHL A
Color ; Turbidity ; Set Solids

Special Instructions / Comments:

Turnaround Requirements

_____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
_____ Standard (10 Business Days)
Date Required:

Report Requirements

_____Tier II/Cat A -Results/QC
_____Tier IV/Cat B - Data Validation Report w/. Data
EDD: _____Yes _____No
EDD Type:

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VCA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •TAM • Other: _____

Invoice To: (□ Same as Report To)

PO #:
Company:
Contact:
Email:
Phone:
Address:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	Quinton Rolbeck					
Company	ALS	ALS				
Date/Time	12/15/2023 1355	12/15/23 1355				

Distribution: White - Lab Copy; Yellow - Return to Originator

© 2012 by ALS Group

Cooler Receipt and Preservation Check Form

Project/Client _____ Folder Number _____

Cooler received on 12/15/23 by: RR **COURIER:** (ALS) UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y (N)
2	**Custody papers** properly completed (ink, signed)?	(Y) N
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N
4	Circle: (**Wet Ice**) **Dry Ice** **Gel packs** present?	(Y) N

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

8. Temperature Readings Date: 12/15/23 Time: 1419 ID: IR#12 (IR#1) From: Temp Blank (Sample Bottle)

Observed Temp (°C)	3.9	2.7	3.9	1.5			
Within 0-6°C?	(Y) 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: SMO by RR on 12/15 at 1420
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: _____ Time: _____ by: _____

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. Were dissolved metals filtered in the field? YES NO N/A
14. 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? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_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 $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**						

Bottle lot numbers: _____
Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: _____
PC Secondary Review: _____

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

Cooler Receipt and Preservatio

R2311657 5
Barton & Loguidice, PC
Torrey Landfill

Project/Client _____ Folder Number _____

Cooler received on 12/15/23 by: RDH COURIER: ALS UPS FEDEX VELOCITY CLIENT

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

8. Temperature Readings Date: 12/15/23 Time: 1407 ID: IR#12 (IR#11) From: Temp Blank (Sample Bottle)

Observed Temp (°C)	8.8						
Within 0-6°C?	Y (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: SHO by RDH on 12/15/23 at 1407
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 12/15/23 Time: 1450 by: RR

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. Were dissolved metals filtered in the field? YES NO (N/A)
14. 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? Yes	Preserved? No	Lot Received	Exp	Sample-ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2	227822	HNO_3	✓		Bottle labels					
≤2	"	H_2SO_4	✓		24000404	4/26				
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, (Phenol), 625, 608pest, 522	✓		If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**						

Bottle lot numbers: 103023-4EKI, Bottle labels, 100923-1EKP, 082123-2ADD, 091823-2ERD
Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: RR
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 PZ-3 LAB ID 4

DATE 12/14/23 INITIAL SWL 9.06 CREW KL SAMPLE TIME 1335

DEVICE QED MP 50 WEATHER P. Cloudy 40°

TIME	SWL	FLOW	PH	COND	TEMP °c	REDOX	TURBIDITY	D.O. mg/L
~~1315~~ 14	9.06	120	—	—	-	—	-	-
1320	*	120	6.85	1315	10.4	-50	3.4	2.20
1325	↓	120	6.81	1210	10.5	-63	3.7	1.48
1330	↓	120	6.80	1170	10.5	-59	3.6	1.16
1335		120	6.79	1170	10.5	-58	3.5	1.11

Flow rates in ml/min

Calibration: 12/14/23 **Time:** 0700 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

* Water level below top of pump at 9.10'. No SWL possible past this

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Wells WELL ID PW-10 LAB ID 5+6 QC

DATE 12/14/23 INITIAL SWL 22.10 CREW KL SAMPLE TIME 1415

DEVICE QED MP 50 WEATHER P. Cloudy 40°

TIME	SWL	FLOW	PH	COND	TEMP °c	REDOX	TURBIDITY	D.O. mg/L
1400	22.10	120	-	-	-	-	-	-
1405	23.50	120	7.26	808	9.3	44	0.1	7.47
1410	23.96	120	7.26	819	9.4	71	0.1	7.33
1415	24.32	120	7.27	822	9.4	86	0.2	7.40

Flow rates in ml/min

Calibration: 12/14/23 **Time:** 0700 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

All air lines are ~~tight~~. UnSure why D.O. is so high

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Wells WELL ID PW-5 LAB ID ~~4~~ 7 (KL)

DATE 12/14/23 INITIAL SWL 24.79 CREW KL SAMPLE TIME 1455

DEVICE QED MP 50 WEATHER P. Cloudy 45°

TIME	SWL	FLOW	PH	COND	TEMP °C	REDOX	TURBIDITY	D.O. mg/L
1435	24.79	120	–	–	–	–	–	–
1440	25.42	120	6.79	860	10.3	-37	2.2	2.30
1445	25.80	120	6.78	863	10.3	-62	1.0	2.18
1450	26.05	120	6.78	860	10.3	-67	1.3	1.80
1455	26.05	120	6.77	860	10.3	-68	1.1	228

Flow rates in ml/min

Calibration: 12/14/23 **Time:** 0700 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Wells WELL ID PW-1 LAB ID 8

DATE 12/15/2023 INITIAL SWL 27.84 CREW QK .SAMPLE TIME 0830

DEVICE QED MP 50 WEATHER Sunny 40°

TIME	SWL	FLOW	PH	COND	TEMP°C	REDOX	TURBIDITY	D.O. mg/L
0810	27.84	120	—	—	—	—	—	—
0820	29.05	120	6.74	1211	10.9	-31	1.0	1.09
0825	29.16	120	6.72	1197	10.8	-28	1.2	1.23
0830	29.49	120	6.70	1192	10.7	-25	1.4	1.34

Flow rates in ml/min

Calibration: 12/15/2023 **Time:** 0800 pH = 7.00/4.00/10.00 **Conductivity =** 1414 set 1414

Turbidity = 0.0 / 10.0

OBSERVATIONS:

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Wells WELL ID MW-17 ~~8~~ KL 12/14 LAB ID 3

DATE 12/14/23 INITIAL SWL 5.00 CREW KL SAMPLE TIME 1300

DEVICE QED MP 50 WEATHER Sun 40

TIME	SWL	FLOW	PH	COND	TEMP °C	REDOX	TURBIDITY	D.O. mg/L
1245	5.00	120	–	–	–	–	–	–
1250	8.12	120	7.27	1727	10.8	42	0.8	3.52
1255	10.46	120	7.26	1733	10.8	62	0.5	3.30
1300	*	120	7.24	1736	10.8	67	0.4	3.24

Flow rates in ml/min

Calibration: 12/14/23 **Time:** 0700 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

* SWL Went below top of pump at 11.00. No SWL Possible

Small black specks suspended in sample

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Wells WELL ID MW-15 LAB ID 10

DATE 12 / 15 / 2023 INITIAL SWL 3.58 CREW QK SAMPLE TIME 1110

DEVICE QED MP 50 WEATHER Sunny 50°

TIME	SWL	FLOW	PH	COND	TEMP°c	REDOX	TURBIDITY	D.O. mg/L
1030	3.58	120	—	—	—	—	—	—
1040	5.38	120	6.91	900	11.6	29	2.9	1.15
1045	6.18	120	6.85	910	11.5	-17	5.0	0.75
1050	6.35	120	6.81	915	11.5	-39	6.8	0.70
1055	7.01	120	6.74	919	11.5	-56	5.3	0.61
1100	7.30	120	6.72	919	11.6	-63	2.1	0.60
1105	7.36	120	6.71	926	11.6	-66	1.5	0.58
1110	7.40	120	6.70	927	11.6	-68	1.1	0.59

Flow rates in ml/min

Calibration: 12 / 15 / 2023 **Time:** 0800 pH = Conductivity =

Turbidity =

OBSERVATIONS:

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Wells WELL ID MW-13S LAB ID 2

DATE 12/14/23 INITIAL SWL 4.42 CREW KL SAMPLE TIME 1230

DEVICE QED MP 50 WEATHER Sun 40

TIME	SWL	FLOW	PH	COND	TEMP°c	REDOX	TURBIDITY	D.O. mg/L
1210	4.42	120	—	—	—	—	—	—
1215	5.80	120	7.32	758	10.8	-60	5.4	1.53
1220	6.00	120	7.24	765	10.7	-74	3.2	0.95
1225	6.55	120	7.19	762	10.6	-70	2.5	0.81
1230	6.55	120	7.17	753	10.6	-63	2.7	0.83

Flow rates in ml/min

Calibration: 12/14/23 **Time:** 0700 pH = 7.00 4.00 10.00 Conductivity = 1411 Set 1411

Turbidity = 0.0/0.0 1.0 to 1.0 10.0 to 10.0

OBSERVATIONS:

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill WELL ID MW-12M LAB ID 1

DATE 12/14/2023 INITIAL SWL 12.55 CREW QK, KL SAMPLE TIME 1155

DEVICE QED MP 50 WEATHER Mostly Cloudy 35°

TIME	SWL	FLOW	PH	COND	TEMP°c	REDOX	TURBIDITY	D.O. mg/L
1126	12.55	120	—	—	—	—	—	—
1130	20.75	120	8.27	701	10.7	-89	5.5	1.01
1135	22.96	120	7.83	700	10.8	-84	5.3	0.93
1140	25.81	120	7.57	700	10.8	-81	4.4	1.16
1145	29.17	120	7.44	696	10.8	-78	4.4	1.83
1150	31.78	120	7.37	696	10.9	-76	4.0	2.08
1155	32.67	120	7.34	696	10.9	-76	3.2	2.23

Flow rates in ml/min

Calibration: 12/14/2023 **Time:** 0800 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill Wells WELL ID MW-8D LAB ID 9

DATE 12/15/2023 INITIAL SWL 93.08 CREW QK SAMPLE TIME 0945

DEVICE QED MP 50 WEATHER Sunny 45°

TIME	SWL	FLOW	PH	COND	TEMP°c	REDOX	TURBIDITY	D.O. mg/L
0910	93.08	120	QK 2023	—	—	—	—	—
0920	93.75	120	~~6.5~~ 6.94	855	11.5	-68	1.5	3.08
0925	93.83	120	6.92	857	11.6	-70	1.8	2.94
0930	93.84	120	6.87	864	11.9	-87	1.5	2.70
0935	93.85	120	6.88	867	12.0	-96	1.4	2.67
0940	93.85	120	6.88	868	12.0	-100	1.7	2.83
0945	93.85	120	6.90	870	12.0	-101	1.7	2.75

Flow rates in ml/min

Calibration: 12/15/2023 **Time:** 0800 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

LOW FLOW MONITORING REPORT

SITE ID Torrey Landfill wells WELL ID MW-5s LAB ID 21

DATE 12/15/2023 INITIAL SWL 8.94 CREW QK SAMPLE TIME 1210

DEVICE QED MP 50 WEATHER Sunny 50°

TIME	SWL	FLOW	PH	COND	TEMP°c	REDOX	TURBIDITY	D.O. mg/L
1130	8.94	120	—	—	—	—	—	—
1140	7.08	120	6.79	1414	12.5	-107	27.8	0.57
1145	8.02	120	6.77	1402	12.5	-96	20.3	0.57
1150	7.04	120	6.76	1410	12.5	-93	21.5	0.66
1155	6.83	120	6.72	1464	12.6	-118	8.4	0.65
1200	7.53	120	6.70	1469	12.7	-124	5.4	0.70
1205	7.50	120	6.70	1474	12.6	-126	3.7	0.73
1210	7.48	120	6.71	1472	12.6	-128	3.4	0.75

Flow rates in ml/min

Calibration: 12/15/2023 **Time:** 0900 **pH =** **Conductivity =**

Turbidity =

OBSERVATIONS:

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

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.
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/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
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.
*	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.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
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).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

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. To verify NH accredited analytes, go to https://www4.des.state.nh.us/CertifiedLabs/Certified-Method.aspx.

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 **Service Request:** R2311657
Project: Torrey Landfill/360 Routine

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

Client: Barton & Loguidice, DPC **Service Request:** R2311657
Project: Torrey Landfill/360 Routine

Sample Name: MW-12M_121423 **Date Collected:** 12/14/23
Lab Code: R2311657-001 **Date Received:** 12/15/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
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		SZOGBY
SM 5310 B-2014		CWOODS

Sample Name: MW-13S_121423 **Date Collected:** 12/14/23
Lab Code: R2311657-002 **Date Received:** 12/15/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine		

Sample Name:	MW-13S_121423	**Date Collected:**	12/14/23
Lab Code:	R2311657-002	**Date Received:**	12/15/23
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		SZOGBY
SM 5310 B-2014		CWOODS

Sample Name:	MW-17_121423	**Date Collected:**	12/14/23
Lab Code:	R2311657-003	**Date Received:**	12/15/23
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		CWOODS
300.0		KAWONG
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
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		SZOGBY
SM 5310 B-2014		CWOODS

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine		

Sample Name:	PZ-3	**Date Collected:**	12/14/23
Lab Code:	R2311657-004	**Date Received:**	12/15/23
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
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		SZOGBY
SM 5310 B-2014		CWOODS

Sample Name:	PW-10_121423	**Date Collected:**	12/14/23
Lab Code:	R2311657-005	**Date Received:**	12/15/23
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON

Client: Barton & Loguidice, DPC **Service Request:** R2311657
Project: Torrey Landfill/360 Routine

Sample Name: PW-10_121423 **Date Collected:** 12/14/23
Lab Code: R2311657-005 **Date Received:** 12/15/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		SZOGBY
SM 5310 B-2014		CWOODS

Sample Name: PW-5_121423 **Date Collected:** 12/14/23
Lab Code: R2311657-006 **Date Received:** 12/15/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
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		SZOGBY
SM 5310 B-2014		CWOODS

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine		

Sample Name:	PW-1_121523	**Date Collected:**	12/15/23
Lab Code:	R2311657-007	**Date Received:**	12/15/23
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
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		SZOGBY
SM 5310 B-2014		CWOODS

Sample Name:	MW-8D_121523	**Date Collected:**	12/15/23
Lab Code:	R2311657-008	**Date Received:**	12/15/23
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
ASTM D1498-00		JJANSON
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		HCASTROVINCI
SM 2550 B		JJANSON

Client: Barton & Loguidice, DPC **Service Request:** R2311657
Project: Torrey Landfill/360 Routine

Sample Name: MW-8D_121523 **Date Collected:** 12/15/23
Lab Code: R2311657-008 **Date Received:** 12/15/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
SM 4500-H+ B		JJANSON
SM 4500-O G		JJANSON
SM 5210 B-2016		SZOGBY
SM 5310 B-2014		CWOODS

Sample Name: MW-15_121523 **Date Collected:** 12/15/23
Lab Code: R2311657-009 **Date Received:** 12/15/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
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		SZOGBY
SM 5310 B-2014		CWOODS

Analyst Summary report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine		

Sample Name:	MW-5S_121523	**Date Collected:**	12/15/23
Lab Code:	R2311657-010	**Date Received:**	12/15/23
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		KAWONG
350.1		MROGERSON
351.2	SZOGBY	GNITAJOUPPI
410.4		SDUBE
6010C	CDISTEFANO	NMANSEN
9066		CWOODS
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		SZOGBY
SM 5310 B-2014		CWOODS

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
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

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

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 11:55
Sample Matrix:	Water	**Date Received:**	12/15/23 14:10
Sample Name:	MW-12M_121423	**Basis:**	NA
Lab Code:	R2311657-001		

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	12/20/23 00:19	12/18/23	
Calcium, Total	6010C	**88800**	ug/L	1000	1	12/20/23 00:19	12/18/23	
Iron, Total	6010C	**1110**	ug/L	100	1	12/20/23 00:19	12/18/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/23 00:19	12/18/23	
Magnesium, Total	6010C	**30900**	ug/L	1000	1	12/20/23 00:19	12/18/23	
Manganese, Total	6010C	**82**	ug/L	10	1	12/20/23 00:19	12/18/23	
Potassium, Total	6010C	2000 U	ug/L	2000	1	12/20/23 00:19	12/18/23	
Sodium, Total	6010C	**19000**	ug/L	1000	1	12/20/23 00:19	12/18/23	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 12:30
Sample Matrix:	Water	**Date Received:**	12/15/23 14:10
Sample Name:	MW-13S_121423	**Basis:**	NA
Lab Code:	R2311657-002		

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	12/20/23 00:22	12/18/23	
Calcium, Total	6010C	**96100**	ug/L	1000	1	12/20/23 00:22	12/18/23	
Iron, Total	6010C	**750**	ug/L	100	1	12/20/23 00:22	12/18/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/23 00:22	12/18/23	
Magnesium, Total	6010C	**33100**	ug/L	1000	1	12/20/23 00:22	12/18/23	
Manganese, Total	6010C	**257**	ug/L	10	1	12/20/23 00:22	12/18/23	
Potassium, Total	6010C	2000 U	ug/L	2000	1	12/20/23 00:22	12/18/23	
Sodium, Total	6010C	**16200**	ug/L	1000	1	12/20/23 00:22	12/18/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 13:00
Sample Matrix:	Water	**Date Received:**	12/15/23 14:10
Sample Name:	MW-17_121423	**Basis:**	NA
Lab Code:	R2311657-003		

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	12/20/23 00:25	12/18/23	
Calcium, Total	6010C	**113000**		ug/L	1000	1	12/20/23 00:25	12/18/23	
Iron, Total	6010C	100	U	ug/L	100	1	12/20/23 00:25	12/18/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	12/20/23 00:25	12/18/23	
Magnesium, Total	6010C	**131000**		ug/L	1000	1	12/20/23 00:25	12/18/23	
Manganese, Total	6010C	**11**		ug/L	10	1	12/20/23 00:25	12/18/23	
Potassium, Total	6010C	**3900**		ug/L	2000	1	12/20/23 00:25	12/18/23	
Sodium, Total	6010C	**33600**		ug/L	1000	1	12/20/23 00:25	12/18/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 13:35
Sample Matrix:	Water	**Date Received:**	12/15/23 14:10
Sample Name:	PZ-3	**Basis:**	NA
Lab Code:	R2311657-004		

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	12/20/23 00:28	12/18/23	
Calcium, Total	6010C	**152000**		ug/L	1000	1	12/20/23 00:28	12/18/23	
Iron, Total	6010C	**1490**		ug/L	100	1	12/20/23 00:28	12/18/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	12/20/23 00:28	12/18/23	
Magnesium, Total	6010C	**70900**		ug/L	1000	1	12/20/23 00:28	12/18/23	
Manganese, Total	6010C	**69**		ug/L	10	1	12/20/23 00:28	12/18/23	
Potassium, Total	6010C	2000	U	ug/L	2000	1	12/20/23 00:28	12/18/23	
Sodium, Total	6010C	**18400**		ug/L	1000	1	12/20/23 00:28	12/18/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 14:15
Sample Matrix:	Water	**Date Received:**	12/15/23 14:10
Sample Name:	PW-10_121423	**Basis:**	NA
Lab Code:	R2311657-005		

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	12/20/23 00:31	12/18/23	
Calcium, Total	6010C	**100000**		ug/L	1000	1	12/20/23 00:31	12/18/23	
Iron, Total	6010C	100	U	ug/L	100	1	12/20/23 00:31	12/18/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	12/20/23 00:31	12/18/23	
Magnesium, Total	6010C	**41700**		ug/L	1000	1	12/20/23 00:31	12/18/23	
Manganese, Total	6010C	10	U	ug/L	10	1	12/20/23 00:31	12/18/23	
Potassium, Total	6010C	**3000**		ug/L	2000	1	12/20/23 00:31	12/18/23	
Sodium, Total	6010C	**14000**		ug/L	1000	1	12/20/23 00:31	12/18/23	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 14:55
Sample Matrix:	Water	**Date Received:**	12/15/23 14:10
Sample Name:	PW-5_121423	**Basis:**	NA
Lab Code:	R2311657-006		

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	12/20/23 00:53	12/18/23	
Calcium, Total	6010C	**139000**	ug/L	1000	1	12/20/23 00:53	12/18/23	
Iron, Total	6010C	**280**	ug/L	100	1	12/20/23 00:53	12/18/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/23 00:53	12/18/23	
Magnesium, Total	6010C	**27700**	ug/L	1000	1	12/20/23 00:53	12/18/23	
Manganese, Total	6010C	**27**	ug/L	10	1	12/20/23 00:53	12/18/23	
Potassium, Total	6010C	**6600**	ug/L	2000	1	12/20/23 00:53	12/18/23	
Sodium, Total	6010C	**5500**	ug/L	1000	1	12/20/23 00:53	12/18/23	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/15/23 08:30
Sample Matrix:	Water	**Date Received:**	12/15/23 13:55
Sample Name:	PW-1_121523	**Basis:**	NA
Lab Code:	R2311657-007		

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	12/20/23 00:56	12/18/23	
Calcium, Total	6010C	**143000**	ug/L	1000	1	12/20/23 00:56	12/18/23	
Iron, Total	6010C	**1200**	ug/L	100	1	12/20/23 00:56	12/18/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/23 00:56	12/18/23	
Magnesium, Total	6010C	**48400**	ug/L	1000	1	12/20/23 00:56	12/18/23	
Manganese, Total	6010C	**988**	ug/L	10	1	12/20/23 00:56	12/18/23	
Potassium, Total	6010C	**4500**	ug/L	2000	1	12/20/23 00:56	12/18/23	
Sodium, Total	6010C	**51600**	ug/L	1000	1	12/20/23 00:56	12/18/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/15/23 09:45
Sample Matrix:	Water	**Date Received:**	12/15/23 13:55
Sample Name:	MW-8D_121523	**Basis:**	NA
Lab Code:	R2311657-008		

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	12/20/23 00:59	12/18/23	
Calcium, Total	6010C	**80300**	ug/L	1000	1	12/20/23 00:59	12/18/23	
Iron, Total	6010C	**3790**	ug/L	100	1	12/20/23 00:59	12/18/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/23 00:59	12/18/23	
Magnesium, Total	6010C	**26600**	ug/L	1000	1	12/20/23 00:59	12/18/23	
Manganese, Total	6010C	**74**	ug/L	10	1	12/20/23 00:59	12/18/23	
Potassium, Total	6010C	2000 U	ug/L	2000	1	12/20/23 00:59	12/18/23	
Sodium, Total	6010C	**69800**	ug/L	1000	1	12/20/23 00:59	12/18/23	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/15/23 11:10
Sample Matrix:	Water	**Date Received:**	12/15/23 13:55
Sample Name:	MW-15_121523	**Basis:**	NA
Lab Code:	R2311657-009		

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	12/20/23 01:02	12/18/23	
Calcium, Total	6010C	**69700**	ug/L	1000	1	12/20/23 01:02	12/18/23	
Iron, Total	6010C	**6020**	ug/L	100	1	12/20/23 01:02	12/18/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/23 01:02	12/18/23	
Magnesium, Total	6010C	**36600**	ug/L	1000	1	12/20/23 01:02	12/18/23	
Manganese, Total	6010C	**123**	ug/L	10	1	12/20/23 01:02	12/18/23	
Potassium, Total	6010C	**17300**	ug/L	2000	1	12/20/23 01:02	12/18/23	
Sodium, Total	6010C	**41400**	ug/L	1000	1	12/20/23 01:02	12/18/23	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/15/23 12:10
Sample Matrix:	Water	**Date Received:**	12/15/23 13:55
Sample Name:	MW-5S_121523	**Basis:**	NA
Lab Code:	R2311657-010		

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	12/20/23 01:05	12/18/23	
Calcium, Total	6010C	**148000**	ug/L	1000	1	12/20/23 01:05	12/18/23	
Iron, Total	6010C	**33800**	ug/L	100	1	12/20/23 01:05	12/18/23	
Lead, Total	6010C	5.0 U	ug/L	5.0	1	12/20/23 01:05	12/18/23	
Magnesium, Total	6010C	**54800**	ug/L	1000	1	12/20/23 01:05	12/18/23	
Manganese, Total	6010C	**789**	ug/L	10	1	12/20/23 01:05	12/18/23	
Potassium, Total	6010C	**4400**	ug/L	2000	1	12/20/23 01:05	12/18/23	
Sodium, Total	6010C	**96700**	ug/L	1000	1	12/20/23 01:05	12/18/23	

General Chemistry

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

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 11:55
Sample Matrix:	Water	**Date Received:**	12/15/23 14:10
Sample Name:	MW-12M_121423	**Basis:**	NA
Lab Code:	R2311657-001		

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	12/22/23 13:32	NA	
Ammonia as Nitrogen, undistilled	350.1	**0.556**		mg/L	0.050	1	12/27/23 21:30	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	**2.9**	**X**	mg/L	2.0	1	12/15/23 14:55	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	12/16/23 08:00	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**1.5**		mg/L	1.0	1	12/28/23 23:36	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	**3.3**		mg/L	2.0	10	12/16/23 08:00	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**349**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	12/16/23 08:00	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.75**		mg/L	0.20	1	12/29/23 12:32	12/28/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	12/28/23 01:16	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**384**		mg/L	10	1	12/21/23 11:00	NA	
Sulfate	300.0	**14.1**		mg/L	2.0	10	12/16/23 08:00	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 12:30
Sample Matrix:	Water	**Date Received:**	12/15/23 14:10
Sample Name:	MW-13S_121423	**Basis:**	NA
Lab Code:	R2311657-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**380**		mg/L	2.0	1	12/22/23 13:53	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	12/27/23 21:31	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	12/15/23 14:57	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	12/16/23 08:06	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**2.1**		mg/L	1.0	1	12/29/23 00:05	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	**23.5**		mg/L	2.0	10	12/16/23 08:06	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	12/16/23 08:06	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20	U	mg/L	0.20	1	12/29/23 12:32	12/28/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	12/28/23 01:40	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**412**		mg/L	10	1	12/21/23 11:00	NA	
Sulfate	300.0	**6.3**		mg/L	2.0	10	12/16/23 08:06	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 13:00
Sample Matrix:	Water	**Date Received:**	12/15/23 14:10
Sample Name:	MW-17_121423	**Basis:**	NA
Lab Code:	R2311657-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**439**		mg/L	2.0	1	12/22/23 14:00	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	12/27/23 21:37	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	12/15/23 14:58	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	12/16/23 08:12	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**1.2**		mg/L	1.0	1	12/29/23 00:35	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	**293**		mg/L	20	100	12/19/23 19:57	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**824**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	12/16/23 08:12	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20	U	mg/L	0.20	1	12/29/23 12:35	12/28/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	12/28/23 01:45	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**891**		mg/L	14	1	12/21/23 11:00	NA	
Sulfate	300.0	**70.2**		mg/L	2.0	10	12/16/23 08:12	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 13:35
Sample Matrix:	Water	**Date Received:**	12/15/23 14:10
Sample Name:	PZ-3	**Basis:**	NA
Lab Code:	R2311657-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**629**		mg/L	2.0	1	12/22/23 14:08	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	12/27/23 21:38	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	12/15/23 14:52	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	12/16/23 08:18	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**1.9**		mg/L	1.0	1	12/29/23 01:04	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	**7.9**		mg/L	2.0	10	12/16/23 08:18	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**671**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	12/16/23 08:18	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.26**		mg/L	0.20	1	12/29/23 12:36	12/28/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	12/28/23 01:50	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**724**		mg/L	10	1	12/21/23 11:00	NA	
Sulfate	300.0	**95.1**		mg/L	2.0	10	12/16/23 08:18	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 14:15
Sample Matrix:	Water	**Date Received:**	12/15/23 14:10
Sample Name:	PW-10_121423	**Basis:**	NA
Lab Code:	R2311657-005		

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	12/22/23 14:16	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	12/27/23 21:39	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	12/15/23 14:54	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	12/16/23 08:25	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**2.1**		mg/L	1.0	1	12/29/23 02:21	NA	
Chemical Oxygen Demand, Total	410.4	**6.2**		mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	**33.9**		mg/L	2.0	10	12/16/23 08:25	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**422**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	**2.8**		mg/L	1.0	10	12/16/23 08:25	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.34**		mg/L	0.20	1	12/29/23 12:37	12/28/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	12/28/23 01:54	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**423**		mg/L	10	1	12/21/23 11:00	NA	
Sulfate	300.0	**4.9**		mg/L	2.0	10	12/16/23 08:25	NA	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 14:55
Sample Matrix:	Water	**Date Received:**	12/15/23 14:10
Sample Name:	PW-5_121423	**Basis:**	NA
Lab Code:	R2311657-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**488**	mg/L	2.0	1	12/22/23 14:31	NA	
Ammonia as Nitrogen, undistilled	350.1	**2.11**	mg/L	0.25	5	12/27/23 23:12	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/15/23 14:48	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/16/23 08:43	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**2.4**	mg/L	1.0	1	12/29/23 03:54	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	**3.6**	mg/L	2.0	10	12/16/23 08:43	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**461**	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/16/23 08:43	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**2.24**	mg/L	0.20	1	12/29/23 12:39	12/28/23	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/28/23 02:07	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**471**	mg/L	10	1	12/21/23 11:00	NA	
Sulfate	300.0	**4.7**	mg/L	2.0	10	12/16/23 08:43	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/15/23 08:30
Sample Matrix:	Water	**Date Received:**	12/15/23 13:55
Sample Name:	PW-1_121523	**Basis:**	NA
Lab Code:	R2311657-007		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**592**		mg/L	2.0	1	12/22/23 14:54	NA	
Ammonia as Nitrogen, undistilled	350.1	**0.81**		mg/L	0.25	5	12/27/23 21:44	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	**6.9**	**X**	mg/L	2.0	1	12/15/23 14:20	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	12/16/23 08:50	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**7.5**		mg/L	1.0	1	12/29/23 04:24	NA	
Chemical Oxygen Demand, Total	410.4	**18.6**		mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	**66.6**		mg/L	2.0	10	12/16/23 08:50	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**556**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	12/16/23 08:50	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**1.23**		mg/L	0.20	1	12/29/23 12:40	12/28/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	12/28/23 02:17	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**553**		mg/L	11	1	12/21/23 11:00	NA	
Sulfate	300.0	**9.9**		mg/L	2.0	10	12/16/23 08:50	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/15/23 09:45
Sample Matrix:	Water	**Date Received:**	12/15/23 13:55
Sample Name:	MW-8D_121523	**Basis:**	NA
Lab Code:	R2311657-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**426**		mg/L	2.0	1	12/22/23 15:47	NA	
Ammonia as Nitrogen, undistilled	350.1	**3.85**		mg/L	0.25	5	12/27/23 21:45	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	**9.8**	**X**	mg/L	2.0	1	12/15/23 14:22	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	12/16/23 09:21	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**7.0**		mg/L	1.0	1	12/29/23 04:54	NA	
Chemical Oxygen Demand, Total	410.4	**14.5**		mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	**40.9**		mg/L	2.0	10	12/16/23 09:21	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	12/16/23 09:21	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**4.16**		mg/L	0.20	1	12/29/23 12:45	12/28/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	12/28/23 02:22	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**476**		mg/L	10	1	12/21/23 11:00	NA	
Sulfate	300.0	2.0	U	mg/L	2.0	10	12/16/23 09:21	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/15/23 11:10
Sample Matrix:	Water	**Date Received:**	12/15/23 13:55
Sample Name:	MW-15_121523	**Basis:**	NA
Lab Code:	R2311657-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**453**	mg/L	2.0	1	12/22/23 16:08	NA	
Ammonia as Nitrogen, undistilled	350.1	**16.4**	mg/L	1.0	20	12/27/23 21:46	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	12/15/23 14:26	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	12/16/23 09:27	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**4.2**	mg/L	1.0	1	12/29/23 05:25	NA	
Chemical Oxygen Demand, Total	410.4	**9.6**	mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	**30.6**	mg/L	2.0	10	12/16/23 09:27	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**325**	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	12/16/23 09:27	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**16.0**	mg/L	1.0	5	12/29/23 12:46	12/28/23	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	12/28/23 02:45	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**364**	mg/L	11	1	12/21/23 11:00	NA	
Sulfate	300.0	**6.3**	mg/L	2.0	10	12/16/23 09:27	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/15/23 12:10
Sample Matrix:	Water	**Date Received:**	12/15/23 13:55
Sample Name:	MW-5S_121523	**Basis:**	NA
Lab Code:	R2311657-010		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**728**		mg/L	6.0	3	12/22/23 16:14	NA	
Ammonia as Nitrogen, undistilled	350.1	**3.41**		mg/L	0.25	5	12/27/23 21:47	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	**9.8**	**X**	mg/L	2.0	1	12/15/23 14:26	NA	
Bromide	300.0	**1.0**		mg/L	1.0	10	12/16/23 09:34	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	**29.9**		mg/L	1.0	1	12/29/23 05:54	NA	
Chemical Oxygen Demand, Total	410.4	**104**		mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	**48.1**		mg/L	2.0	10	12/16/23 09:34	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**595**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	12/16/23 09:34	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**5.18**		mg/L	0.20	1	12/29/23 12:47	12/28/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	12/28/23 02:50	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	**801**		mg/L	11	1	12/21/23 11:00	NA	
Sulfate	300.0	2.0	U	mg/L	2.0	10	12/16/23 09:34	NA	

Field Data

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

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 11:55
Sample Matrix:	Water	**Date Received:**	12/15/23 14:10
Sample Name:	MW-12M_121423	**Basis:**	NA
Lab Code:	R2311657-001		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**696**	uMHOS/cm	-	1	12/14/23 11:55	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-76.0**	mV	-	1	12/14/23 11:55	
Oxygen, Dissolved	SM 4500-O G	**2.23**	mg/L	0.20	1	12/14/23 11:55	
pH, Field	SM 4500-H+ B	**7.34**	pH Units	-	1	12/14/23 11:55	
Temperature, Field	SM 2550 B	**10.9**	deg C	-	1	12/14/23 11:55	
Turbidity, Field	180.1	**3.2**	NTU	-	1	12/14/23 11:55	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 12:30
Sample Matrix:	Water	**Date Received:**	12/15/23 14:10
Sample Name:	MW-13S_121423	**Basis:**	NA
Lab Code:	R2311657-002		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**753**	uMHOS/cm	-	1	12/14/23 12:30	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-63.0**	mV	-	1	12/14/23 12:30	
Oxygen, Dissolved	SM 4500-O G	**0.83**	mg/L	0.20	1	12/14/23 12:30	
pH, Field	SM 4500-H+ B	**7.17**	pH Units	-	1	12/14/23 12:30	
Temperature, Field	SM 2550 B	**10.6**	deg C	-	1	12/14/23 12:30	
Turbidity, Field	180.1	**2.7**	NTU	-	1	12/14/23 12:30	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 13:00
Sample Matrix:	Water	**Date Received:**	12/15/23 14:10
Sample Name:	MW-17_121423	**Basis:**	NA
Lab Code:	R2311657-003		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**1736**	uMHOS/cm	-	1	12/14/23 13:00	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**67.0**	mV	-	1	12/14/23 13:00	
Oxygen, Dissolved	SM 4500-O G	**3.24**	mg/L	0.20	1	12/14/23 13:00	
pH, Field	SM 4500-H+ B	**7.24**	pH Units	-	1	12/14/23 13:00	
Temperature, Field	SM 2550 B	**10.8**	deg C	-	1	12/14/23 13:00	
Turbidity, Field	180.1	**0.4**	NTU	-	1	12/14/23 13:00	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 13:35
Sample Matrix:	Water	**Date Received:**	12/15/23 14:10
Sample Name:	PZ-3	**Basis:**	NA
Lab Code:	R2311657-004		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**1170**	uMHOS/cm	-	1	12/14/23 13:35	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-58.0**	mV	-	1	12/14/23 13:35	
Oxygen, Dissolved	SM 4500-O G	**1.11**	mg/L	0.20	1	12/14/23 13:35	
pH, Field	SM 4500-H+ B	**6.79**	pH Units	-	1	12/14/23 13:35	
Temperature, Field	SM 2550 B	**10.5**	deg C	-	1	12/14/23 13:35	
Turbidity, Field	180.1	**3.5**	NTU	-	1	12/14/23 13:35	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 14:15
Sample Matrix:	Water	**Date Received:**	12/15/23 14:10
Sample Name:	PW-10_121423	**Basis:**	NA
Lab Code:	R2311657-005		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**822**	uMHOS/cm	-	1	12/14/23 14:15	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**86.0**	mV	-	1	12/14/23 14:15	
Oxygen, Dissolved	SM 4500-O G	**7.40**	mg/L	0.20	1	12/14/23 14:15	
pH, Field	SM 4500-H+ B	**7.27**	pH Units	-	1	12/14/23 14:15	
Temperature, Field	SM 2550 B	**9.40**	deg C	-	1	12/14/23 14:15	
Turbidity, Field	180.1	**0.2**	NTU	-	1	12/14/23 14:15	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23 14:55
Sample Matrix:	Water	**Date Received:**	12/15/23 14:10
Sample Name:	PW-5_121423	**Basis:**	NA
Lab Code:	R2311657-006		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**860**	uMHOS/cm	-	1	12/14/23 14:55	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-68.0**	mV	-	1	12/14/23 14:55	
Oxygen, Dissolved	SM 4500-O G	**2.28**	mg/L	0.20	1	12/14/23 14:55	
pH, Field	SM 4500-H+ B	**6.77**	pH Units	-	1	12/14/23 14:55	
Temperature, Field	SM 2550 B	**10.3**	deg C	-	1	12/14/23 14:55	
Turbidity, Field	180.1	**1.1**	NTU	-	1	12/14/23 14:55	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/15/23 08:30
Sample Matrix:	Water	**Date Received:**	12/15/23 13:55
Sample Name:	PW-1_121523	**Basis:**	NA
Lab Code:	R2311657-007		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**1192**	uMHOS/cm	-	1	12/15/23 08:30	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-25.0**	mV	-	1	12/15/23 08:30	
Oxygen, Dissolved	SM 4500-O G	**1.34**	mg/L	0.20	1	12/15/23 08:30	
pH, Field	SM 4500-H+ B	**6.70**	pH Units	-	1	12/15/23 08:30	
Temperature, Field	SM 2550 B	**10.7**	deg C	-	1	12/15/23 08:30	
Turbidity, Field	180.1	**1.4**	NTU	-	1	12/15/23 08:30	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/15/23 09:45
Sample Matrix:	Water	**Date Received:**	12/15/23 13:55
Sample Name:	MW-8D_121523	**Basis:**	NA
Lab Code:	R2311657-008		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**870**	uMHOS/cm	-	1	12/15/23 09:45	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-101**	mV	-	1	12/15/23 09:45	
Oxygen, Dissolved	SM 4500-O G	**2.75**	mg/L	0.20	1	12/15/23 09:45	
pH, Field	SM 4500-H+ B	**6.90**	pH Units	-	1	12/15/23 09:45	
Temperature, Field	SM 2550 B	**12.0**	deg C	-	1	12/15/23 09:45	
Turbidity, Field	180.1	**1.7**	NTU	-	1	12/15/23 09:45	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/15/23 11:10
Sample Matrix:	Water	**Date Received:**	12/15/23 13:55
Sample Name:	MW-15_121523	**Basis:**	NA
Lab Code:	R2311657-009		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**927**	uMHOS/cm	-	1	12/15/23 11:10	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-68.0**	mV	-	1	12/15/23 11:10	
Oxygen, Dissolved	SM 4500-O G	**0.59**	mg/L	0.20	1	12/15/23 11:10	
pH, Field	SM 4500-H+ B	**6.70**	pH Units	-	1	12/15/23 11:10	
Temperature, Field	SM 2550 B	**11.6**	deg C	-	1	12/15/23 11:10	
Turbidity, Field	180.1	**1.1**	NTU	-	1	12/15/23 11:10	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/15/23 12:10
Sample Matrix:	Water	**Date Received:**	12/15/23 13:55
Sample Name:	MW-5S_121523	**Basis:**	NA
Lab Code:	R2311657-010		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**1472**	uMHOS/cm	-	1	12/15/23 12:10	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-128**	mV	-	1	12/15/23 12:10	
Oxygen, Dissolved	SM 4500-O G	**0.75**	mg/L	0.20	1	12/15/23 12:10	
pH, Field	SM 4500-H+ B	**6.71**	pH Units	-	1	12/15/23 12:10	
Temperature, Field	SM 2550 B	**12.6**	deg C	-	1	12/15/23 12:10	
Turbidity, Field	180.1	**3.4**	NTU	-	1	12/15/23 12:10	

QC Summary 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

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

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2311657-MB		

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	12/19/23 23:36	12/18/23	
Calcium, Total	6010C	1000	U	ug/L	1000	1	12/19/23 23:36	12/18/23	
Iron, Total	6010C	100	U	ug/L	100	1	12/19/23 23:36	12/18/23	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	12/19/23 23:36	12/18/23	
Magnesium, Total	6010C	1000	U	ug/L	1000	1	12/19/23 23:36	12/18/23	
Manganese, Total	6010C	10	U	ug/L	10	1	12/19/23 23:36	12/18/23	
Potassium, Total	6010C	2000	U	ug/L	2000	1	12/19/23 23:36	12/18/23	
Sodium, Total	6010C	1000	U	ug/L	1000	1	12/19/23 23:36	12/18/23	

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

Service Request:R2311657
Date Collected:12/14/23
Date Received:12/15/23
Date Analyzed:12/20/23

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name: PW-10_121423
Lab Code: R2311657-005

Units:ug/L
Basis:NA

			Matrix Spike R2311657-005MS			Duplicate Matrix Spike R2311657-005DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Cadmium, Total	6010C	5.0 U	46.6	50.0	93	46.6	50.0	93	75-125	<1	20
Calcium, Total	6010C	100000	102000	2000	71 #	102000	2000	85 #	75-125	<1	20
Iron, Total	6010C	100 U	990	1000	99	990	1000	99	75-125	<1	20
Lead, Total	6010C	5.0 U	467	500	93	468	500	94	75-125	<1	20
Magnesium, Total	6010C	41700	43500	2000	89 #	43700	2000	98 #	75-125	<1	20
Manganese, Total	6010C	10 U	490	500	98	489	500	98	75-125	<1	20
Potassium, Total	6010C	3000	23500	20000	102	23400	20000	102	75-125	<1	20
Sodium, Total	6010C	14000	34800	20000	104	34800	20000	104	75-125	<1	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.

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

Service Request: R2311657
Date Analyzed: 12/19/23

Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

Lab Control Sample
R2311657-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Cadmium, Total	6010C	48.1	50.0	96	80-120
Calcium, Total	6010C	2000	2000	99	80-120
Iron, Total	6010C	990	1000	99	80-120
Lead, Total	6010C	481	500	96	80-120
Magnesium, Total	6010C	1900	2000	93	80-120
Manganese, Total	6010C	492	500	98	80-120
Potassium, Total	6010C	19100	20000	96	80-120
Sodium, Total	6010C	20300	20000	101	80-120

General Chemistry

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

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2311657-MB1		

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	12/22/23 04:39	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	12/27/23 21:23	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	12/15/23 17:01	NA	
Bromide	300.0	0.10	U	mg/L	0.10	1	12/16/23 09:02	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0	U	mg/L	1.0	1	12/28/23 20:12	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	0.20	U	mg/L	0.20	1	12/16/23 09:02	NA	
Nitrate as Nitrogen	300.0	0.10	U	mg/L	0.10	1	12/16/23 09:02	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20	U	mg/L	0.20	1	12/29/23 12:14	12/28/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	12/27/23 23:15	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10	U	mg/L	10	1	12/21/23 11:00	NA	
Sulfate	300.0	0.20	U	mg/L	0.20	1	12/16/23 09:02	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2311657-MB2		

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	12/22/23 13:46	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	U	mg/L	2.0	1	12/15/23 19:15	NA	
Bromide	300.0	0.10	U	mg/L	0.10	1	12/16/23 06:30	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	12/19/23 15:54	NA	
Chloride	300.0	0.20	U	mg/L	0.20	1	12/16/23 06:30	NA	
Nitrate as Nitrogen	300.0	0.10	U	mg/L	0.10	1	12/16/23 06:30	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20	U	mg/L	0.20	1	12/29/23 12:41	12/28/23	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	12/28/23 01:26	NA	
Sulfate	300.0	0.20	U	mg/L	0.20	1	12/16/23 06:30	NA	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2311657-MB3		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	0.20 U	mg/L	0.20	1	12/19/23 18:11	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23
Sample Matrix:	Water	**Date Received:**	12/15/23
		Date Analyzed:	12/27/23

Duplicate Matrix Spike Summary
Ammonia as Nitrogen, undistilled

Sample Name:	MW-13S_121423	**Units:**	mg/L
Lab Code:	R2311657-002	**Basis:**	NA
Analysis Method:	350.1		

		Matrix Spike R2311657-002MS			**Duplicate Matrix Spike** R2311657-002DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Ammonia as Nitrogen, undistilled	0.050 U	0.220	0.250	88 *	0.218	0.250	87 *	90-110	1	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.

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.

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

Service Request:R2311657
Date Collected:12/14/23
Date Received:12/15/23
Date Analyzed:12/16/23 - 12/29/23

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: PW-10_121423
Lab Code: R2311657-005

Units:mg/L
Basis:NA

			Matrix Spike				Duplicate Matrix Spike				
			R2311657-005MS				R2311657-005DMS				
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	0.213	0.250	85 *	0.211	0.250	84 *	90-110	1	20
Bromide	300.0	1.0 U	9.9	10.0	99	10	10.0	100	90-110	<1	20
Chloride	300.0	33.9	52.7	20.0	94	52.4	20.0	92	90-110	<1	20
Chemical Oxygen Demand, Total	410.4	6.2	28.2	25.0	88 *	26.2	25.0	80 *	90-110	8	20
Nitrate as Nitrogen	300.0	2.8	12.4	10.0	97	12.5	10.0	97	90-110	<1	20
Phenolics, Total Recoverable	9066	0.0050 U	0.0396	0.0400	99	0.0387	0.0400	97	49-137	2	20
Sulfate	300.0	4.9	23.7	20.0	94	23.7	20.0	94	90-110	<1	20
Nitrogen, Total Kjeldahl (TKN)	351.2	0.34	2.69	2.50	94	2.68	2.50	94	90-110	<1	20
Carbon, Total Organic (TOC)	SM 5310 B-2014	2.1	26.6	25.0	98	27.2	25.0	100	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	**Service Request:**	R2311657
Project:	Torrey Landfill/360 Routine	**Date Collected:**	12/15/23
Sample Matrix:	Water	**Date Received:**	12/15/23
		Date Analyzed:	12/28/23

Duplicate Matrix Spike Summary
Phenolics, Total Recoverable

Sample Name:	MW-5S_121523	**Units:**	mg/L
Lab Code:	R2311657-010	**Basis:**	NA
Analysis Method:	9066		

		Matrix Spike R2311657-010MS			Duplicate Matrix Spike R2311657-010DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Phenolics, Total Recoverable	0.0050 U	0.0420	0.0400	105	0.0419	0.0400	105	49-137	<1	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.

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.

Client:	Barton & Loguidice, DPC	**Service Request:**	R2311657
Project	Torrey Landfill/360 Routine	**Date Collected:**	12/14/23
Sample Matrix:	Water	**Date Received:**	12/15/23
		Date Analyzed:	12/15/23 - 12/22/23

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	PW-10_121423	**Units:**	mg/L
Lab Code:	R2311657-005	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2311657-005DUP Result	Average	RPD	RPD Limit
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0	398	400	399	<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	423	431	427	2	10

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.

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

Service Request: R2311657
Date Analyzed: 12/15/23 - 12/29/23

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2311657-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	24.6	25.0	99	80-120
Ammonia as Nitrogen, undistilled	350.1	0.251	0.250	100	90-110
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	207	198	105	85-115
Bromide	300.0	1.0	1.00	100	90-110
Carbon, Total Organic (TOC)	SM 5310 B-2014	23.5	25.0	94	80-121
Chemical Oxygen Demand, Total	410.4	506	500	101	90-110
Chloride	300.0	1.96	2.00	98	90-110
Nitrate as Nitrogen	300.0	0.98	1.00	98	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.44	2.50	98	90-110
Phenolics, Total Recoverable	9066	0.0363	0.0400	91	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-2015	898	914	98	90-110
Sulfate	300.0	1.93	2.00	97	90-110

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

Service Request: R2311657
Date Analyzed: 12/15/23 - 12/29/23

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2311657-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	27.0	25.0	108	80-120
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	210	198	106	85-115
Bromide	300.0	0.99	1.00	99	90-110
Chemical Oxygen Demand, Total	410.4	49.1	50.0	98	90-110
Chloride	300.0	1.94	2.00	97	90-110
Nitrate as Nitrogen	300.0	0.97	1.00	97	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.64	2.50	105	90-110
Phenolics, Total Recoverable	9066	0.0343	0.0400	86	85-115
Sulfate	300.0	1.93	2.00	97	90-110

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

Service Request: R2311657
Date Analyzed: 12/19/23

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2311657-LCS3

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	2.04	2.00	102	90-110

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

	FIELD PARAMETERS						INORGANIC PARAMETERS					
GROUNDWATER UPPER AQUIFER	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
Monitoring Well **MW-1S**												
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
22-Jun-23	53.60	-96.0	0.46	6.98	956	3.2	-	349	387	427	5.0	47.3
22-Jun-23	53.60	-96.0	0.46	6.98	956	3.2	-	349	387	427	5.0	47.3
14-Dec-23	51.08	47.0	-	7.40	710	19.5	-	353	394	399	5.2	42.9

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	-
Monitoring Well **MW-1S**											
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	-
22-Jun-23	< 1.0	-	-	< 1.00	0.25	0.340	< 5.00	< 2.00	12.00	< 0.005	-
22-Jun-23	< 1.0	-	-	< 1.00	0.25	0.340	< 5.00	< 2.00	12.00	< 0.005	-
14-Dec-23	< 1.0	-	-	< 1.00	0.34	0.460	< 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
Monitoring Well **MW-1S**											
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**
22-Jun-23		-	-	-	-	< 0.005	91.6	-	-	-	**2.0**
22-Jun-23		-	-	-	-	< 0.005	91.6	-	-	-	**2.0**
14-Dec-23		-	-	-	-	< 0.005	94.5	-	-	-	**1.7**

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
Monitoring Well **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	-	-	-	-	-
22-Jun-23	< 0.005	**38.5**	0.091	-	-	< 2.00	10.9	-	-	-	-	-
22-Jun-23	< 0.005	**38.5**	0.091	-	-	< 2.00	10.9	-	-	-	-	-
14-Dec-23	< 0.005	**38.3**	0.108	-	-	< 2.00	11.2	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-

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	2.0
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **MW-1S**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **MW-1S**													
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	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	
Monitoring Well **MW-1S**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS						INORGANIC PARAMETERS					
GROUNDWATER UPPER AQUIFER	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
Monitoring Well **MW-3S**												
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
22-Jun-23	53.78	74.0	-	7.43	916	12.3	-	490	508	**521**	4.10	49.1
14-Dec-23	51.08	99.0	-	7.35	970	7.9	-	537	542	**557**	4.30	50.6

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	128	37.98	39.6	0.0053	-
Monitoring Well **MW-3S**											
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	-
22-Jun-23	< 1.00	-	-	< 1.00	< 0.05	< 0.200	67.90	< 2.00	18.90	< 0.005	-
14-Dec-23	< 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
Monitoring Well **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**
22-Jun-23		-	-	-	-	< 0.005	58.8	-	-	-	**0.5**
14-Dec-23		-	-	-	-	< 0.005	63.1	-	-	-	**0.5**

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	-	0.08	59	911.6	0.013	-	-	-	0.06
Monitoring Well **MW-3S**												
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**	-	-	-	-	-
22-Jun-23	< 0.005	**87.8**	0.018	-	-	4.10	**22.7**	-	-	-	-	-
14-Dec-23	< 0.005	**93.5**	0.011	-	-	4.10	**27.5**	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	ORGANIC PARAMETERS (DETECTED)												
GROUNDWATER UPPER AQUIFER	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	-	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **MW-3S**													
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	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **MW-3S**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

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 COMPUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
Monitoring Well **MW-3S**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS						INORGANIC PARAMETERS					
GROUNDWATER UPPER AQUIFER	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
Monitoring Well **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
22-Jun-23	53.24	111.0	-	6.75	1378	7.2	-	647	793	**919**	9.40	152.0
14-Dec-23	49.28	79.0	-	6.73	1288	12.3	-	622	743	**827**	8.10	126.0

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	-
Monitoring Well **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	-
22-Jun-23	< 1.00	-	-	6.30	< 0.05	0.560	19.00	< 2.00	34.40	< 0.005	-
14-Dec-23	< 1.00	-	-	6.60	< 0.05	0.590	13.50	< 2.00	4.60	< 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	-	-	199.6	0.02	-	-	34.3
Monitoring Well **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**
22-Jun-23	-	-	-	-	-	< 0.005	207.0	-	-	-	**2.6**
14-Dec-23	-	-	-	-	-	< 0.005	199.0	-	-	-	**2.7**

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
Monitoring Well **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	-	-	-	-	-
22-Jun-23	< 0.005	**66.8**	**1.62**	-	-	5.30	17.6	-	-	-	-	-
14-Dec-23	< 0.005	**60.0**	**1.08**	-	-	5.20	17.6	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **MW-4S**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **MW-4S**													
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	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	
Monitoring Well **MW-4S**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS						INORGANIC PARAMETERS					
GROUNDWATER UPPER AQUIFER	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
Monitoring Well **MW-5S**												
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
21-Jun-23	53.96	-158.0	0.49	7.05	1493	7.8	-	707	591	**820**	50.30	< 2.0
14-Dec-23	54.68	-128.0	0.75	6.71	1472	3.4	-	728	595	**801**	48.10	< 2.0

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	127.71	37.979	39.6	0.0053	-
Monitoring Well **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	J 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	-
21-Jun-23	< 1.00	-	-	< 1.00	**3.35**	4.470	99.10	18.30	51.30	< 0.005	-
14-Dec-23	1.00	-	-	< 1.00	**3.41**	5.180	104.00	9.80	29.90	< 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
Monitoring Well **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**
21-Jun-23	-	-	-	-	-	< 0.005	146	-	-	-	**34.0**
14-Dec-23	-	-	-	-	-	< 0.005	148	-	-	-	**33.8**

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	911.62	0.013	-	-	-	0.06
Monitoring Well **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	< 0.02
13-Dec-22	< 0.005	**54.3**	**0.652**	-	-	4.10	**92.0**	-	-	-	-	-
21-Jun-23	< 0.005	**54.8**	**0.677**	-	-	4.00	**93.7**	-	-	-	-	-
14-Dec-23	< 0.005	**54.8**	**0.789**	-	-	4.40	**96.7**	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **MW-5S**												
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	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	
Monitoring Well **MW-5S**												
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	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS						INORGANIC PARAMETERS					
GROUNDWATER UPPER AQUIFER	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
Monitoring Well **MW-12M**												
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
22-Jun-23	53.42	-87.0	0.70	7.50	707	2.3	-	382	362	404	3.00	18.6
14-Dec-23	51.62	-76.0	2.23	7.34	696	3.2	-	381	349	384	3.30	14.1

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	0.05	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	-
Monitoring Well **MW-12M**											
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	-
22-Jun-23	< 1.00	-	-	< 1.00	0.29	0.370	< 5.00	< 2.00	7.90	< 0.005	-
14-Dec-23	< 1.00	-	-	< 1.00	0.56	0.750	< 5.00	2.90	1.50	< 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
Monitoring Well **MW-12M**											
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**
22-Jun-23	-	-	-	-	-	< 0.005	89.9	-	-	-	**0.3**
14-Dec-23	-	-	-	-	-	< 0.005	88.8	-	-	-	**1.1**

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
Monitoring Well **MW-12M**												
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	-	-	-	-	-
22-Jun-23	< 0.005	33.3	0.111	-	-	< 2.00	16.3	-	-	-	-	-
14-Dec-23	< 0.005	30.9	0.082	-	-	< 2.00	19.0	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **MW-12M**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **MW-12M**													
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	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-	-

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 COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
Monitoring Well **MW-12M**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS						INORGANIC PARAMETERS					
GROUNDWATER UPPER AQUIFER	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
Monitoring Well **MW-13S**												
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
22-Jun-23	54.14	87.0	1.14	7.35	653	6.2	-	318	335	368	20.4	8.0
14-Dec-23	51.08	-63.0	0.83	7.17	753	2.7	-	380	376	412	23.5	6.3

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	128	37.98	39.6	0.0053	-
Monitoring Well **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	-
22-Jun-23	< 1.00	-	-	< 1.00	< 0.05	< 0.200	9.10	< 2.00	7.70	< 0.005	-
14-Dec-23	< 1.00	-	-	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	2.10	-	-

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	0.005	-	0.05	0.005	0.2	0.30
TRIGGER VALUES	3.9	-	0.033	3.0	-	-	199.62	0.02	-	-	34.3
Monitoring Well **MW-13S**											
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**
22-Jun-23	-	-	-	-	-	< 0.005	81.7	-	-	-	0.2
14-Dec-23	-	-	-	-	-	< 0.005	96.1	-	-	-	**0.8**

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	0.01	2
TRIGGER VALUES	0.007	147	1.5	-	0.08	59	912	0.013	-	-	-	0.06
Monitoring Well **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	-	-	-	-	-
22-Jun-23	< 0.005	31.8	< 0.010	-	-	< 2.00	11.2	-	-	-	-	-
14-Dec-23	< 0.005	33.1	0.257	-	-	< 2.00	16.2	-	-	-	-	-

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	0.03	1	0.003	0.005	-	0.05	0.005	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **MW-13S**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **MW-13S**													
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	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-	-

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-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)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
Monitoring Well **MW-13S**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS						INORGANIC PARAMETERS					
GROUNDWATER UPPER AQUIFER	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
Monitoring Well **MW-15**												
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
21-Jun-23	50.72	-43.0	-	7.41	715	14.1	-	470	340	466	27.9	3.5
14-Dec-23	52.88	-68.0	0.59	6.70	927	1.1	-	453	325	364	30.6	6.3

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	127.71	37.98	39.6	0.0053	-
Monitoring Well **MW-15**											
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	-
21-Jun-23	< 1.00	-	-	< 1.00	**16.6**	16.4	15.10	< 2.00	24.60	< 0.005	-
14-Dec-23	< 1.00	-	-	< 1.00	**16.4**	16.0	9.60	< 2.00	4.20	< 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
Monitoring Well **MW-15**											
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**
21-Jun-23	-	-	-	-	-	< 0.005	70.9	-	-	-	**8.3**
14-Dec-23	-	-	-	-	-	< 0.005	69.7	-	-	-	**6.0**

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
Monitoring Well **MW-15**												
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**	-	-	-	-	-
21-Jun-23	< 0.005	**39.6**	0.133	-	-	16.5	**39.0**	-	-	-	-	-
14-Dec-23	< 0.005	**36.6**	0.123	-	-	17.3	**41.4**	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **MW-15**												
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	-	-	-	-	-	-	-	-	-		-	-
21-Jun-23	-	-	-	-	-	-	-	-	-		-	-
14-Dec-23	-	-	-	-	-	-	-	-	-		-	-

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	-	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **MW-15**													
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	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-	-

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 COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
Monitoring Well **MW-15**												
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	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS						INORGANIC PARAMETERS					
GROUNDWATER UPPER AQUIFER	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
Monitoring Well **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
22-Jun-23	53.42	113.0	4.45	7.32	658	20.2	-	371	370	381	3.60	8.2
14-Dec-23	52.70	180.0	-	7.15	772	45.8	-	435	470	433	< 2.00	8.0

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	127.7	37.98	39.6	0.0053	-
Monitoring Well **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	-
22-Jun-23	< 1.00	-	-	< 1.00	< 0.05	0.280	< 5.00	< 2.00	19.60	< 0.005	-
14-Dec-23	< 1.00	-	-	< 1.00	< 0.05	0.380	< 5.00	< 2.00	2.30	< 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	-	0	34.3
Monitoring Well **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**
22-Jun-23	-	-	-	-	-	< 0.005	99.3	-	-	-	**1.0**
14-Dec-23	-	-	-	-	-	< 0.005	126.0	-	-	-	**6.0**

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
Monitoring Well **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	-	-	-	-	-
22-Jun-23	< 0.005	29.7	0.050	-	-	2.20	5.1	-	-	-	-	-
14-Dec-23	< 0.005	**37.7**	0.156	-	-	4.00	7.5	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	ORGANIC PARAMETERS (DETECTED)											
GROUNDWATER UPPER AQUIFER	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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **MW-16**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **MW-16**													
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	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-	-

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 COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
Monitoring Well **MW-16**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS						INORGANIC PARAMETERS					
GROUNDWATER UPPER AQUIFER	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
Monitoring Well **MW-17S**												
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
22-Jun-23	53.96	68.0	1.11	7.24	1734	1.7	-	424	842	**923**	**280**	68.9
14-Dec-23	51.44	67.0	3.24	7.24	1736	0.4	-	439	824	**891**	**293**	70.2

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	-
Monitoring Well **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	-
22-Jun-23	< 1.00	-	-	< 1.00	< 0.05	< 0.200	6.30	8.00	14.20	< 0.005	-
14-Dec-23	< 1.00	-	-	< 1.00	< 0.05	< 0.200	< 5.00	< 2.00	1.20	< 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
Monitoring Well **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
22-Jun-23	-	-	-	-	-	< 0.005	116.0	-	-	-	< 0.1
14-Dec-23	-	-	-	-	-	< 0.005	113.0	-	-	-	< 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
Monitoring Well **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**	-	-	-	-	-
22-Jun-23	< 0.005	**134.0**	0.229	-	-	3.70	**30.5**	-	-	-	-	-
14-Dec-23	< 0.005	**131.0**	0.011	-	-	3.90	**33.6**	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **MW-17S**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **MW-17S**													
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	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-	-

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 COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
Monitoring Well **MW-17S**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS						INORGANIC PARAMETERS					
GROUNDWATER UPPER AQUIFER	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	2782.9	1161.5	142
Monitoring Well **PZ-2**												
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
22-Jun-23	52.52	-112.0	-	6.88	3144	4.7	-	983	1060	**1940**	**406**	214.0
14-Dec-23	48.82	-81.0	-	6.76	3092	7.7	-	936	1030	**1820**	221	101.0

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	127.71	37.98	39.6	0.0053	-
Monitoring Well **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	-
22-Jun-23	< 1.00	-	-	< 1.00	**3.21**	3.640	20.90	< 2.00	18.70	< 0.005	-
14-Dec-23	1.00	-	-	< 1.00	**3.05**	3.810	16.70	< 2.00	5.00	< 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	-	-	199.62	0.02	-	-	34.3
Monitoring Well **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**
22-Jun-23	-	-	-	-	-	< 0.005	222.0	-	-	-	**15.0**
14-Dec-23	-	-	-	-	-	< 0.005	217.0	-	-	-	**15.3**

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
Monitoring Well **PZ-2**												
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**	-	-	-	-	-
22-Jun-23	< 0.005	**123.0**	**0.610**	-	-	6.10	**316**	-	-	-	-	-
14-Dec-23	< 0.005	**119.0**	**0.622**	-	-	6.70	**312**	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **PZ-2**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **PZ-2**													
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	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-	-

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 COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
Monitoring Well **PZ-2**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS						INORGANIC PARAMETERS					
GROUNDWATER UPPER AQUIFER	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
Monitoring Well **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	84.8
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**
22-Jun-23	53.24	-117.0	1.04	6.90	1234	1.9	-	632	694	**751**	8.20	85.7
14-Dec-23	50.90	-58.0	1.11	6.79	1170	3.5	-	629	671	**724**	7.90	95.1

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	0.05	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	-
Monitoring Well **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	-
22-Jun-23	< 1.00	-	-	< 1.00	0.08	0.320	10.40	< 2.00	22.60	< 0.005	-
14-Dec-23	< 1.00	-	-	< 1.00	< 0.05	0.260	< 5.00	< 2.00	1.90	< 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
Monitoring Well **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**
22-Jun-23	-	-	-	-	-	< 0.005	174	-	-	-	**1.5**
14-Dec-23	-	-	-	-	-	< 0.005	152	-	-	-	**1.5**

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	-	0.08	59	911.6	0.013	-	-	-	0.06
Monitoring Well **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**	-	-	-	-	-
22-Jun-23	< 0.005	**62.8**	0.086	-	-	< 2.00	14.0	-	-	-	-	-
14-Dec-23	< 0.005	**70.9**	0.069	-	-	< 2.00	18.4	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-

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	NS	20	0.01	0.05	-	0.014	2
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **PZ-3**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **PZ-3**													
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	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-	-

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 COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
Monitoring Well **PZ-3**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS						INORGANIC PARAMETERS					
GROUNDWATER UPPER AQUIFER	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
Monitoring Well **PW-1**												
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
21-Jun-23	56.30	107.0	0.36	6.71	1096	2.1	-	565	531	**604**	43.30	7.8
14-Dec-23	51.26	-25.0	1.34	6.70	1192	1.4	-	592	556	**553**	66.60	9.9

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	127.71	37.9792	39.6	0.0053	-
Monitoring Well **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	-
21-Jun-23	< 1.00	-	-	< 1.00	0.18	0.500	14.8	< 2.00	38.2	< 0.005	-
14-Dec-23	< 1.00	-	-	< 1.00	0.81	1.230	18.6	6.90	7.5	< 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
Monitoring Well **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**
21-Jun-23	-	-	-	-	-	< 0.005	143.0	-	-	-	< 0.1
14-Dec-23	-	-	-	-	-	< 0.005	143.0	-	-	-	**1.2**

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
Monitoring Well **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**	-	-	-	-	-
21-Jun-23	< 0.005	**42.1**	**1.140**	-	-	3.10	**34.3**	-	-	-	-	-
14-Dec-23	< 0.005	**48.4**	**0.988**	-	-	4.50	**51.6**	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **PW-1**												
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	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **PW-1**													
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	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-	-

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 COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS						INORGANIC PARAMETERS					
GROUNDWATER UPPER AQUIFER	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
Monitoring Well **PW-5**												
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
21-Jun-23	53.24	104.0	0.39	6.85	803	2.3	-	453	435	444	< 2.00	5.1
14-Dec-23	50.54	-68.0	2.28	6.77	860	1.1	-	488	461	471	3.60	4.7

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	-
Monitoring Well **PW-5**											
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	-
21-Jun-23	< 1.00	-	-	< 1.00	0.59	0.73	5.9	< 2.0	23.30	< 0.005	-
14-Dec-23	< 1.00	-	-	< 1.00	**2.11**	2.24	< 5.0	< 2.0	2.40	< 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
Monitoring Well **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**
21-Jun-23	-	-	-		-	< 0.005	129.0	-	-	-	< 0.1
14-Dec-23	-	-	-		-	< 0.005	139.0	-	-	-	0.3

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
Monitoring Well **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	-	-	-	-	-
21-Jun-23	< 0.005	27.2	< 0.010	-	-	4.90	3.9	-	-	-	-	-
14-Dec-23	< 0.005	27.7	0.027	-	-	6.60	5.5	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **PW-5**												
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	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **PW-5**													
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	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-	-

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 COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
Monitoring Well **PW-5**												
2-Jun-99	ND	ND	ND	ND	ND	ND	ND	ND	**32.0**	ND	ND	454.0
19-Sep-99	-	-	-	-	-	-	-	-	-	-	-	-
7-Dec-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	291.0
5-Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	**5.9**	ND	ND	190.0
13-Jun-00	-	-	-	-	-	-	-	-	-	-	-	-
19-Sep-00	ND	ND	ND	ND	ND	ND	ND	ND	**27.0**	ND	ND	353.0
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	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	0
26-Jun-03	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	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	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	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	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	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	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	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
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	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	3
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	-	-	-	-	-	-	-	-	-	-	-	-
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	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	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS						INORGANIC PARAMETERS					
GROUNDWATER UPPER AQUIFER	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
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	51.08	-46.0	-	7.24	1293	10.3	-	548	649	**775**	78.4	77.9
14-Dec-23	DRY	-	-	-	-	-	-	-	-	-	-	-

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	128	37.98	39.6	0.0053	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-
22-Jun-23	< 1.0	-	-	< 1.00	0.06	0.430	18.40	< 2.00	22.10	< 0.005	-
14-Dec-23	DRY	-	-	-	-	-	-	-	-	-	-

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	-	-	199.616	0.02	-	-	34.3
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	< 0.005	174.0	-	-	-	**1.8**
14-Dec-23	DRY	-	-	-	-	-	-	-	-	-	-

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	0.010	0.050	#####	0.014	2.0
TRIGGER VALUES	0.007	147	1.5	-	0.08	59	911.625	0.013	-	-	-	0.06
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	< 0.005	**52.2**	0.078	-	-	3.40	**39.9**	-	-	-	-	-
14-Dec-23	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	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	DRY	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	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	5
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **PW-8**													
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-		-	-	-	-	-	-	-	-	-	-
14-Dec-23	DRY	-	-	-	-	-	-	-	-	-	-	-	-

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 COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
Monitoring Well **PW-8**												
2-Jun-99	ND	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	ND	18.7
5-Apr-00	ND	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	ND	190.9
11-Dec-00	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-01	-	-	-	-	-	-	-	-	-	-	-	-
19-Jun-01	ND	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	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	< 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	DRY	-	-	-	-	-	-	-	-	-	-	-
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
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	< 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	< 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	< 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	< 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	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	DRY	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS						INORGANIC PARAMETERS					
GROUNDWATER UPPER AQUIFER	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
Monitoring Well **PW-10**												
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
21-Jun-23	50.00	119.0	4.45	7.43	649	2.1	-	354	337	351	7.3	3.0
14-Dec-23	48.92	86.0	7.40	7.27	822	0.2	-	398	422	423	33.9	4.9

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	-
Monitoring Well **PW-10**											
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	-
21-Jun-23	< 1.00	-	-	< 1.00	< 0.05	0.26	11.40	2.70	16.70	< 0.005	-
14-Dec-23	< 1.00	-	-	2.80	< 0.05	0.34	6.20	< 2.00	2.10	< 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	0.005	0.2	0.30
TRIGGER VALUES	3.9	-	0.033	3.0	-	-	199.62	0.02	-	-	34.3
Monitoring Well **PW-10**											
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
21-Jun-23	-	-	-	-	-	< 0.005	78.4	-	-	-	< 0.1
14-Dec-23	-	-	-	-	-	< 0.005	100.0	-	-	-	< 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	911.62	0.013	-	-	-	0.06
Monitoring Well **PW-10**												
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	-	-	-	-	-
21-Jun-23	< 0.005	34.2	< 0.010	-	-	2.10	10.6	-	-	-	-	-
14-Dec-23	< 0.005	**41.7**	< 0.010	-	-	3.00	14.0	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER UPPER AQUIFER	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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **PW-10**												
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 -	< 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	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **PW-10**													
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	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-	-

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 COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	5	5	5	5	1	5	2	5	5	
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	
Monitoring Well **PW-10**												
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	-	-	-	-	-	-	-	-	-	-	-	-
21-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS						INORGANIC PARAMETERS					
GROUNDWATER LOWER AQUIFER	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
Monitoring Well **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
22-Jun-23	54.32	-102.0	-	7.55	1258	43.3	-	710	88.5	**803**	2.80	< 2.0
14-Dec-23	50.90	21.0	-	7.32	1191	29.1	-	703	86.4	**779**	3.10	< 2.0

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS

GROUNDWATER LOWER 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	-	0.2	-	-	9.7	11	78	61	30.7	0.028	-
Monitoring Well **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 J	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-Dec-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	-
22-Jun-23	< 1.00	-	-	< 1.00	**2.35**	3.25	17.7	10.9	45.7	< 0.005	-
14-Dec-23	< 1.00	-	-	< 1.00	**2.45**	4.70	70.1	9.8	31.5	< 0.005	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL 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	0.30
TRIGGER VALUES	10.0	-	0.046	0.8	-	-	362.8	0.01	-	0.05	9.6
Monitoring Well **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**
22-Jun-23	-	-	-	-	-	< 0.005	22.9	-	-	-	**5.0**
14-Dec-23	-	-	-	-	-	< 0.005	22.8	-	-	-	**3.2**

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
Monitoring Well **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**	-	-	-	-	-
22-Jun-23	< 0.005	7.6	0.150	-	-	3.90	**295.0**	-	-	-	-	-
14-Dec-23	< 0.005	7.2	0.121	-	-	3.20	**284.0**	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER LOWER AQUIFER	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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER LOWER 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	-	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER LOWER 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	-	-	-	-	-	-	-	-	-	-	-	
Monitoring Well **MW-4D**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS						INORGANIC PARAMETERS					
GROUNDWATER LOWER AQUIFER	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
Monitoring Well **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
22-Jun-23	59.36	-134.0	1.02	7.21	862	4.6	-	419	318	482	37.20	< 2.0
14-Dec-23	53.60	-101.0	2.75	6.90	870	1.7	-	426	310	476	40.90	< 2.0

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS

GROUNDWATER LOWER 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	-	0.2	-	-	9.7	11	78	61	30.7	0.028	-
Monitoring Well **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	-
22-Jun-23	< 1.00	-	-	< 1.00	**3.91**	3.940	16.10	5.40	10.70	< 0.005	-
14-Dec-23	< 1.00	-	-	< 1.00	**3.85**	4.160	14.50	9.80	7.00	< 0.005	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL 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	0.30
TRIGGER VALUES	10.0	-	0.046	0.8	-	-	362.8	0.01	-	0.05	9.6
Monitoring Well **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**
22-Jun-23	-	-	-	-	-	< 0.005	81.3	-	-	-	**4.2**
14-Dec-23	-	-	-	-	-	< 0.005	80.3	-	-	-	**3.8**

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
Monitoring Well **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**	-	-	-	-	-
22-Jun-23	< 0.005	27.9	0.073	-	-	< 2.00	**63.3**	-	-	-	-	-
14-Dec-23	< 0.005	26.6	0.074	-	-	< 2.00	**69.8**	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER LOWER AQUIFER	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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER LOWER 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	-	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER LOWER AQUIFER	4-Methyl-3-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	-	-	-	-	-	-	-	-	-	-	-	
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS						INORGANIC PARAMETERS					
GROUNDWATER LOWER AQUIFER	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
Monitoring Well **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
22-Jun-23	52.34	-204.0	-	**11.89**	1425	10.3	-	322	134	360	6.40	< 2.0
14-Dec-23	45.50	-13.0	-	**11.61**	1378	9.9	-	303	127	327	7.80	< 2.0

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

	INORGANIC PARAMETERS										
GROUNDWATER LOWER 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	-	0.2	-	-	9.7	11	78	61	30.7	0.028	-
Monitoring Well **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	-
22-Jun-23	< 1.00	-	-	< 1.00	**5.30**	5.390	< 5.0	4.30	7.20	**0.007**	-
14-Dec-23	< 1.00	-	-	< 1.00	**5.72**	5.710	18.3	3.30	5.90	**0.005**	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

TOTAL 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	0.30
TRIGGER VALUES	10.0	-	0.046	0.8	-	-	362.8	0.01	-	0.05	9.6
Monitoring Well **MW-12D**											
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
22-Jun-23	-	-	-	-	-	< 0.005	50.1	-	-	-	0.2
14-Dec-23	-	-	-	-	-	< 0.005	45.8	-	-	-	0.2

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
Monitoring Well **MW-12D**												
23-Jun-04	-	9.0	-	-	-	11.70	**77.0**	-	-	-	-	-
7-Dec-04	< 0.005	14.3	0.016	-	-	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**	-	-	-	-	-
22-Jun-23	< 0.005	2.1	< 0.010	-	-	7.30	**85.7**	-	-	-	-	-
14-Dec-23	< 0.005	3.1	< 0.010	-	-	7.10	**96.3**	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER LOWER AQUIFER	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	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **MW-12D**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER LOWER 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	-	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **MW-12D**													
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	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER LOWER 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	-	-	-	-	-	-	-	-	-	-	-	
Monitoring Well **MW-12D**												
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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA

	FIELD PARAMETERS						INORGANIC PARAMETERS					
SURFACE WATER	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
22-Jun-23	59.54	56.0	3.76	7.73	910	12.4	-	462	481	**553**	28.3	24.3
13-Dec-23	43.16	130.0	8.55	7.88	942	0.6	-	404	440	**533**	68.7	27.2

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	-
22-Jun-23	< 1.00	-	-	< 1.000	0.130	0.760	8.70	< 2.00	18.00	< 0.00500	-
13-Dec-23	< 1.00	-	-	< 1.000	< 0.050	0.620	18.30	< 2.00	4.90	< 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-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
22-Jun-23	-	-	-	-	-	< 0.00500	126.0	-	-	-	**0.700**
13-Dec-23	-	-	-	-	-	< 0.00500	114.0	-	-	-	**1.480**

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-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	-	-	-	-	-
22-Jun-23	< 0.00500	40.2	1.130	-	-	2.70	17.2	-	-	-	-	-
13-Dec-23	< 0.00500	37.9	0.055	-	-	3.60	33.9	-	-	-	-	-

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-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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

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-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	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

SURFACE WATER	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 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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

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
22-Jun-23	62.60	84.0	8.58	8.23	769	6.4	-	361	366	443	19.60	24.3
13-Dec-23	38.66	127.0	11.80	8.19	799	0.8	-	366	388	461	34.40	30.7

TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA

SURFACE WATER	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 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	-
22-Jun-23	< 1.00	-	-	1.700	0.089	0.400	20.60	< 2.00	10.80	< 0.00500	-
13-Dec-23	< 1.00	-	-	2.200	0.055	0.480	10.20	< 2.00	4.40	< 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
22-Jun-23	-	-	-	-	-	< 0.00500	92.8	-	-	-	**0.380**
13-Dec-23	-	-	-	-	-	< 0.00500	97.4	-	-	-	0.220

TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA

SURFACE WATER	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)	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	-	-	-	-	-
22-Jun-23	< 0.00500	32.5	0.038	-	-	4.20	26.2	-	-	-	-	-
13-Dec-23	< 0.00500	35.2	0.023	-	-	3.80	25.8	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA

SURFACE WATER	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-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	-	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-	-

TORREY LANDFILL
YATES COUNTY
SURFACE WATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

SURFACE WATER	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 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	-	-	-	-	-	-	-	-	-	-	-	-
22-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-
13-Dec-23	-	-	-	-	-	-	-	-	-	-	-	-

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	583.89
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	3.60	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		June 22, 2023		December 14, 2023	
					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	18.92	643.78	13.50	649.20	15.89	646.81	23.84	638.86	16.46	646.24	22.95	639.75
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	25.02	655.13	25.82	654.33
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	35.58	627.47	36.10	626.95
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	8.20	566.60	8.94	565.86
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.	-	10.34	609.01	12.55	606.80
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.	-	7.60	593.30	4.42	596.48
MW-15	605.10	606.70			3.33	627.08	2.08	627.20	3.45	603.25	3.33	603.37	3.39	603.31	3.58	603.12
MW-16	616.90	618.50			17.09	566.57	15.99	567.38	17.02	601.48	16.78	601.72	16.51	601.99	-	-
MW-17	586.60	588.10			6.03	627.08	3.83	627.20	5.17	582.93	4.98	583.12	5.08	583.02	5.00	583.10
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		573.20	27.84	573.86
PW-2	600.05	597.75			Not Collected		Not Collected		Not Collected		Not Collected		21.43	576.32	-	
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			22.72	564.18	20.40	566.50	23.22	563.68	25.12	561.78	21.03	565.87	24.79	562.11
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			21.07	575.58	20.84	575.81	21.29	575.36	Not Collected		20.94	575.71	22.73	573.92
PW-9	602.05	599.85			Not Collected		Not Collected		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	24.08	578.77	22.10	580.75
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	34.44	601.41	35.29	600.56
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.	-	6.95	605.00	9.06	602.89
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	119.62	542.88	119.83	542.67	120.11	542.39	119.89	542.61	119.85	542.65	120.35	542.15
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	92.88	522.47	93.08	522.27
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	79.02	540.78	79.39	540.41

Note: Base table with well completions and 1999-2003 data from ENSR

Appendix E

2023 Year

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
12-26	0730	Todd	Not Work	1.07	1.38	300033.6	7.60	8.05	(Y) N	
1-2	0730	Ted	Not work	1.15	1.44	" "	7.70	7.20	(Y) N	
1-9	0730	Todd	Not work	1.29	1.91	" "	7.80	5.60	(Y) N	
1-18	0730	Ted	12452[illegible]7	1.19	2.57	" "	7.80	3.40	(Y) N	
1-23	0730	Ted	12425[illegible]7	[illegible]	3.07	" "	7.80	1.40	(Y) N	
1-30	0730	Ted	Not work	1.19	3.42	" "	7.80	0.95	(Y) N	
2-4	0730	Ted	Not work	1.19	3.82	" "	7.80	0.08	(Y) N	
									Y N	
				New Meter					Y N	
									Y N	
									Y N	
									Y N	
				Feb		8,	2023		Y N	

Emergency Contact Phone Numbers:

[redacted]

Ted Cox: 315-536-2316 or cell: 315-263-9218 Ted Cox Sr.: 315-536-8879 or cell: 315-263-9219

2023

New Meter

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
3-8	0738	Tod B	1,889	1.19	3.82	300 33 2L	7.80	0.95	(Y) N	Start New Flow Meter
3-13	0730	Tod	2,447	1.21	4.26	" "	7.90	1.55	(Y) N	New Flow Meter
3-20	0730	Ted	3,241	1.28	4.61	" "	7.90	3.45	(Y) N	
3-27	0730	Ted	4,253	1.29	5.13	" "	7.90	4.25	(Y) N	
4-6	0730	Ted	4,632	1.37	5.31	" "	7.90	5.00	(Y) N	
4-13	0730	Ted	6,866	1.36	6.01	" "	8.90	7.40	(Y) N	
4-20	0730	Ted	8,635	1.33	6.00	" "	9.55	6.85	(Y) N	
4-27	0730	Ted	10213	4.30	4.65	" "	10.70	2.95	(Y) N	
4-10	0730	Ted	12001	4.91	5.20	" "	11.20	4.55	(Y) N	
9-17	0730	Tod	12985	5.20	5.145	" "	11.60	6.20	(Y) N	
4-24	0730	Tod	13752	5.41	5.13	" "	11.70	6.70	(Y) N	
5-1	0730	Tod	14819	5.17	6.03	" "	12.00	7.80	(Y) N	
5-8	0730	Tod	16072	6.17	6.45	" "	12.50	9.40	(Y) N	

Emergency Contact Phone Numbers:

[redacted]

Ted Cox: 315-536-2316 or cell: 315-263-9218 Ted Cox Sr.: 315-536-8879 or cell: 315-263-9219

Note:

2023

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
5-15	0730	Tsd/s	16929	6,38	6,61	30033	27/12.78	10,50	(Y) N	
5-22	0730	Tsd/s	17693	6,63	6,91	" "	1300	11,55	(Y) N	
5-30	0730	Tsd/s	18525	6,99	7,25	" "	13,30	12,70	(Y) N	
6-5	0730	Tsd/s	19123	7,17	7,43	" "	13,40	13,10	(Y) N	Mowing Grass
6-12	0730	Tsd	19837	7,39	7,62	" "	13,70	14,20	(Y) N	Mowing Grass
6-19	0730	Tsd	20512	7,51	7,82	" "	13,90	15,20	(Y) N	
6-25	0730	Tsd	21304	7,86	8,13	" "	14,20	15,95	(Y) N	Mowing Lawn
7-3	0730	Tsd	21889	8,09	8,35	" "	14,40	16,66	(Y) N	
7-10	0730	Tsd	23105	8,42	8,70	" "	14,70	17,70	(Y) N	
7-17	0730	Tsd	24205	8,71	8,98	" "	15,10	19,30	(Y) N	
7-24	0730	Tsd	25130	9,02	9,29	" "	15,30	20,15	(Y) N	Mowing Field
7-31	0730	Tsd	25989	9,24	9,54	" "	15,50	20,55	(Y) N	Mowing Field
8-7	0730	Tsd	26787	9,51	9,78	" "	15,80	21,50	(Y) N	

Emergency Contact Phone Numbers:

[redacted]

Ted Cox: 315-536-2316 or cell: 315-263-9218 Ted Cox Sr.: 315-536-8879 or cell: 315-263-9219

2023

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
8-14	0730	T,D,S	27728	9.68	9.95	30033	16.00	22.45	(Y) N	
8-21	0730	T-D/S	28534	9.95	10.23	30811	16.30	23.20	(Y) N	
8-28	0730	T,S,D/S	29251	10.14	10.41	" "	16.30	23.45	(Y) N	
9-4	0730	T,D/	29972	10.34	10.64	" "	16.80	25.50	(Y) N	
9-11	0730	T,D,S	30434	10.53	10.79	" "	16.60	24.30	(Y) N	
9-18	0730	T,D/	30940	9.96	10.24	31009 440	16.10	22.50	(Y) N	Pumping Blue Tank
9-25	0730	T,D/	31350	5.78	5.98	~~R3~~	12.30	-9.45	(Y) N	Pumping Blue Tank
10-1	0730	T,D/	31748	5.18	4.48	3048001	11.80	8.30	(Y) N	Pumping Blue Tank
10-9	0730	T,D/	32362	0.95	1.28	31563 66	9.50	9.01	(Y) N	Mowing Field
10-16	0730	T,D/	33381	1.03	1.38	30925	44,7.70	5.95	(Y) N	Blue Tank
10-23	0730	T,D,S	34283	1.04	1.36	" "	7.90	5.35	(Y) N	Empty
10-30	0730	T,S,D	35032	1.22	1.49	" "	8.00	5.25	(Y) N	
11-6	0730	T,D/	35799	1.30	1.55	" "	8.00	5.00	(Y) N	

Emergency Contact Phone Numbers:

[redacted]

Ted Cox: 315-536-2316 or cell: 315-263-9218 Ted Cox Sr.: 315-536-8879 or cell: 315-263-9219

K:\PROJ99\990269\SiteForm.xls

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. 618172

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: 10/6/23

Truck No. 5024 Trailer No. 611

From: Torrey Landfill To: Canandaigua WWTP

Shipped: GottaDo

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)
Leachate 3086178 - 3092541 A. 1,66 - 0.94 B. 1,84 - 1.17	8200	

Carrier: GottaDo Date Received: _____

Driver s Name _____ Received By: _____

Signature: _____ Signature: _____

FOR CHEMICAL EMERGENCY - CALL ENVIRONMENTAL PRODUCTS & SERVICES, INC - **1-800-843-8265**

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. 618171

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: 10/6/23

Truck No. E024 Trailer No. 611

From: Torrey Landfill To: Canandaigua WWTP

Shipped: GottaDo

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)
8200 Leachate 3075815 - 3086179 A. 2.36 - 1.66 B. 2.60 - 1.89		

Carrier: GottaDo Date Received: _____

Driver s Name _____ Received By: _____

Signature: _____ Signature: _____

FOR CHEMICAL EMERGENCY - CALL ENVIRONMENTAL PRODUCTS & SERVICES, INC - **1-800-843-8265**

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. 618170

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: 10/6/23

Truck No. 5024 Trailer No. 611

From: Tarley Landfill To: Canandaigua WWTP

Shipped: GottaDo

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)
Leachate 3073449 - 3075815 A. 2.12 - 2.36 B. 2.37 - 2.60	5200	

Carrier: GottaDo Date Received:

Driver s Name Received By:

Signature: Signature:

FOR CHEMICAL EMERGENCY - CALL ENVIRONMENTAL PRODUCTS & SERVICES, INC - **1-800-843-8265**

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. 618169

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: 10/5/23

Truck No. 6024 Trailer No. 611

From: Tolley Landfill To: Commodore Mine

Shipped: GottaDo

Street: Street:

City: Penn Yan State: NY Zip: City: Commodore State: NY Zip:

DESCRIPTION OF LADING	QUANTITY (c/y, tons, gal.)	NET WEIGHT (subject to change)
Leachate 3067088 - 3073449 A. 3.55 - 3.12 B. 4.06 - 3.37	8200	

Carrier: GottaDo

Driver s Name

Signature:

Date Received:

Received By:

Signature:

FOR CHEMICAL EMERGENCY - CALL ENVIRONMENTAL PRODUCTS & SERVICES, INC - **1-800-843-8265**

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. 618168

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: 10/5/23

Truck No. 9024 Trailer No. 611

From: Torrey Landfill To: Canandaigua WWTP

Shipped: GottaDo

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)
Leachate 3060729 - 3067088 A. 4.30 - 3.85 B. 4.77 - 4.06	8200	

Carrier: GottaDo Date Received:

Driver s Name Received By:

Signature: Signature:

FOR CHEMICAL EMERGENCY - CALL ENVIRONMENTAL PRODUCTS & SERVICES, INC - **1-800-843-8265**

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. 618167

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: 10/5/23

Truck No. 6024 Trailer No. 611

From: Tolley Landfill To: Canandaigua WWTP

Shipped: Gotta Do

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)
Leachate 3054366 - 3060729 A. 5.48 - 4.50 B. 5.45 - 4.71	8208	

Carrier: Gotta Do

Driver s Name

Signature:

Date Received:

Received By:

Signature:

FOR CHEMICAL EMERGENCY - CALL ENVIRONMENTAL PRODUCTS & SERVICES, INC - **1-800-843-8265**

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. 618147

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: 9/25/23

Truck No. 9024 Trailer No. 611

From: Tarrey Landfill To: Canandaigua WWTP

Shipped: GottaDo

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)
Leachate 3048001 - 3054362 A. 5.78 - 5.01 B. 5.99 - 5.27	8200	

Carrier: GottaDo Date Received: _____

Driver s Name _____ Received By: _____

Signature: _____ Signature: _____

FOR CHEMICAL EMERGENCY - CALL ENVIRONMENTAL PRODUCTS & SERVICES, INC - **1-800-843-8265**

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. 618146

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: 9/25/23

Truck No. 9024 Trailer No. 611

From: Farley Land Fill To: Canandaigua WWTP

Shipped: GottaDo

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)
Leachate 3041587 - 3048001 A 6.46 - 5.78 B 6.72 - 5.99	820	

Carrier: GottaDo Date Received:

Driver s Name Received By:

Signature: Signature:

FOR CHEMICAL EMERGENCY - CALL ENVIRONMENTAL PRODUCTS & SERVICES, INC - **1-800-843-8265**

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. 618144

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: 9/22/23

Truck No. 8024 Trailer No. 611

From: Torrey Landfill To: Canandaigua WWTP

Shipped: GottaDo

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)
Leachate 303526 - 3041587 A 7.47 - 6.47 B 7.39 - 6.71	8200	

Carrier: GottaDo

Driver s Name

Signature:

Date Received:

Received By:

Signature:

FOR CHEMICAL EMERGENCY - CALL ENVIRONMENTAL PRODUCTS & SERVICES, INC - **1-800-843-8265**

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. 618142

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: 9/22/23

Truck No. 5024 Trailer No. 611

From: Torrey Landfill To: Canandaigua WWTP

Shipped: GottaDo

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)
Leachate 3028564 - 3035226 A. 7.84 - 7.17 B. 8.14 - 7.37	5200	

Carrier: GottaDo

Driver s Name

Signature:

Date Received:

Received By:

Signature:

FOR CHEMICAL EMERGENCY - CALL ENVIRONMENTAL PRODUCTS & SERVICES, INC - **1-800-843-8265**

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. 618337

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: 9-21-2023

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 Meter – 3022439 – 3028864 Tank A – 8.60 – 7.90 Tank B – 8.87 – 8.14	8200	

Carrier: Gotta Do Date Received:

Driver s Name Received By:

Signature: B. Langdon Signature:

FOR CHEMICAL EMERGENCY - CALL ENVIRONMENTAL PRODUCTS & SERVICES, INC - **1-800-843-8265**

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. 618334

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: 9-20-2023

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 Meter - 3016051 - 3022439 Tank A - 9.32 - 8.59 Tank B - 9.58 - 8.84	8200	

Carrier: Gotta Do

Driver s Name

Signature: B. Lampkin

Date Received:

Received By:

Signature:

FOR CHEMICAL EMERGENCY - CALL ENVIRONMENTAL PRODUCTS & SERVICES, INC - **1-800-843-8265**

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. 618330

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: 9-19-2023

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 Meter - 3009690 - 3016051 Tank A - 9.96 - 9.27 Tank B - 10.21 - 9.47	8200	

Carrier: Gotta Do

Driver s Name

Signature: B. Longhere

Date Received:

Received By:

Signature:

FOR CHEMICAL EMERGENCY - CALL ENVIRONMENTAL PRODUCTS & SERVICES, INC - **1-800-843-8265**

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. 614766

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: 9-14-2023

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 Time - 9:30 - 10:00 Tank - A - 10.56 - 9.85 Tank - B - 10.84 - 10.10 Meter - 3003328 - 3009690	8200	

Carrier: Gotta Do

Driver s Name

Signature: B. Farquhar

Date Received:

Received By:

Signature:

FOR CHEMICAL EMERGENCY - CALL ENVIRONMENTAL PRODUCTS & SERVICES, INC - **1-800-843-8265**

Appendix F

YATES COUNTY TORREY LANDFILL

Form A
SITE INSPECTION FORM

Name of Inspector: Brian McGrath

Title: Senior Staff Field Scientist

Date of Inspection: 03/22/23

Weather Conditions: Sunny 56°F SSW wind 7 mph

1. Leachate tanks being monitored regularly:
   ☒ Yes ☐ No
   Date of last tank inspection: 3/13 – Ted off bra month 4/13 on form
   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: Historic location - see site map & photos

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:

☒ MW-1S	☒ PW-1	☒ MW-13S
☒ MW-3S	☒ PW-5	☒ MW-15
☒ MW-4S	☒ PW-8	☒ MW-16
☒ MW-4D	☒ PW-10	☒ MW-17
☒ MW-5S	☒ MW-12M	☒ PZ-2
☒ MW-8D	☒ MW-12D	☒ PZ-3

Additional Comments: See site map - lots of site changes since last LFI.

1) Brush removed from fence, &
2) Light fixture next bldg

Light bldg Light fix 05/22/23 LFI

Brush has been cut since last LFI - Looks great

Brush cut and pushed back from perimiter fence - Looks great

Settled areas Historically - minor ponding from winter snow melt - No issues

Brush Removed from Drainage Swale and Sec Cont - Looks great

N

TRUE OR CALLED NORTH

LONG POINT ROAD

RAILROAD

CONRAIL

EDGE OF PAVEMENT

STEEL GUIDE RAIL

TRANSFER PUMP STATION

MW5S

MW8D

MW9S

NORTHEAST GROUNDWATER COLLECTION PUMP STATION

END OF CHAIN LINK FENCE START OF ROW FENCE

NEW LOCATION OF NORTHWEST LEACHATE PUMP STATION PZ-1&1A

APPROXIMATE ROUTE OF S28 LEACHATE PUMP STATION FEEDER

8' HDPE ACCESS ROAD CULVERT - 4 LOCATIONS (TYP.)

2"/4" HDPE FORCE MAIN 4' OFF ACCESS ROAD

12' WIDE GRAVEL ACCESS ROAD

RIGHT-OF-WAY FENCE 10' OFF ACCESS ROAD

MW4D

MW3S

MW12D

MW12M

MW13S

MW-17

SW-1

48" OAK

HEAVILY WOODED AREA

UNNAMED TRIBUTARY

TRIBUTARY

TREES AND BRUSH IN THIS AREA

WOODED AREA

APPROXIMATE PROPERTY LINE

BARBED WIRE FENCE LINE

S20 LEACHATE PUMP STATION

PZ-3

SB-1 SB-2 SB-3 SB-4 SB-5 SB-6 SB-7 SB-8 SB-9 SB-10

LEGEND

- PUMP WELL W/ DESIGNATION
- UTILITY POLE
- EXISTING CONTOURS
- OLD MONITORING WELL
- GAS VENT TRENCH
- NEW MONITORING WELL WITH DESIGNATION
- ANCHOR TRENCH
- UNITS IN FEET ABOVE MEAN SEA LEVEL
- PROP. 6' CHAIN LINK FENCE
- PROP. RIGHT-OF-WAY FENCE
- EXPLOSIVE GAS MONITORING LOCATION (APPROXIMATE)
- SURFACE WATER MONITORING LOCATION
- PIEZOMETER LOCATION.

X: XREF(S)_W_(ROT/TWIST)
LW: LS=OR LCW=OFF=
P: STANDARD.PCL.CTB

12/1/06-SYR-MJL LAST MODIFIED
100/171024_FIG2

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

In charge of: PFD	Date: DECEMBER, 2006	REVISIONS	COMPLETED CONSTRUCTION
Designed by: RLV	Scale: 1"=120' (120' 0 120' 240')		Significant Construction Changes Are Shown
Drawn by: MJ	NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.		By ____ Date ____
Checked by:			Ck'd ____ Date ____

Barton & Loguidice, P.C.

Engineers · Environmental Scientists · Planners · Landscape Designers

TORREY LANDFILL
LONG POINT ROAD

POST-CLOSURE MONITORING PLAN

TOWN OF TORREY YATES COUNTY, NEW YORK

Figure Number: 2

File Number: 171.024

YATES COUNTY TORREY LANDFILL

Form A
SITE INSPECTION FORM

Name of Inspector: Brian Tumbrella

Title: Senior Staff Field Scientist

Date of Inspection: 05/16/23

Weather Conditions: 71°F P.C. WSW 14 MPH

1. Leachate tanks being monitored regularly:
   ☒ Yes ☐ No
   Date of last tank inspection: 05/15/23
   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 – grass is high but will be mowed
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: The same historical location – Dry now – good veg. cover

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: _____

_____

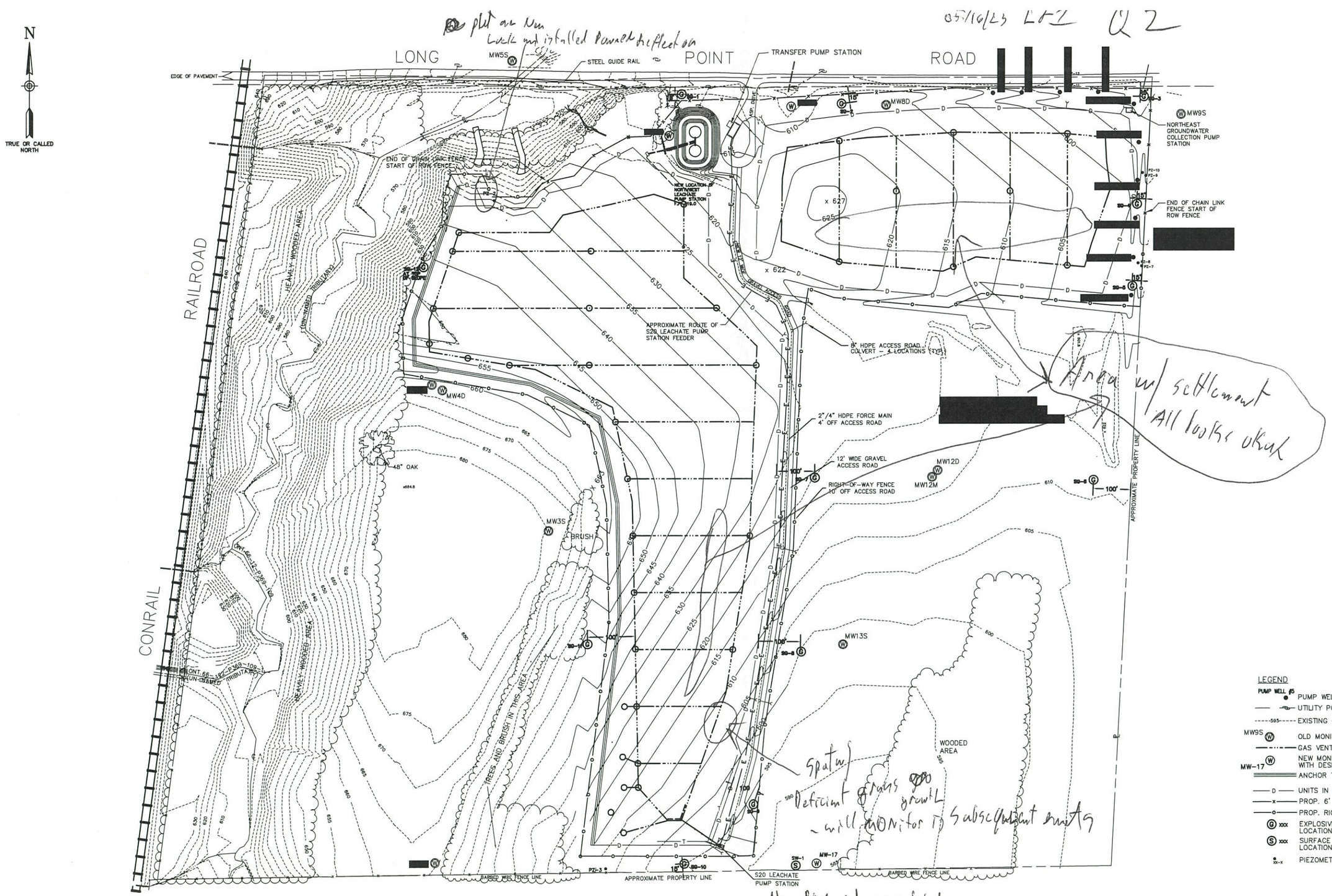
13. Condition of monitoring wells. Inspect each well and check boxes below as completed. All wells should be secured and locked. If damaged, identify well number and describe damage:

☒ MW-1S	☒ PW-1	☒ MW-13S
☒ MW-3S	☒ PW-5	☒ MW-15
☒ MW-4S	☒ PW-8	☒ MW-16
☒ MW-4D	☒ PW-10	☒ MW-17
☒ MW-5S	☒ MW-12M	☒ PZ-2
☒ MW-8D	☒ MW-12D	☒ PZ-3

Additional Comments: PZ-2 missing lock - Replaced

Discovered Reflector down next to well

was installed/Drove back into the Ground



LEGEND

- PUMP WELL #5 — PUMP WELL W/ DESIGNATION
- UTILITY POLE
- 595 — EXISTING CONTOURS
- MW9S — OLD MONITORING WELL
- GAS VENT TRENCH
- MW-17 — NEW MONITORING WELL WITH DESIGNATION
- ANCHOR TRENCH
- D — UNITS IN FEET ABOVE MEAN SEA LEVEL
- x — PROP. 6' CHAIN LINK FENCE
- PROP. RIGHT-OF-WAY FENCE
- G xxx — EXPLOSIVE GAS MONITORING LOCATION (APPROXIMATE)
- S xxx — SURFACE WATER MONITORING LOCATION
- xx-x — PIEZOMETER LOCATION.

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

In charge of: PFD	Date: DECEMBER, 2006	REVISIONS	COMPLETED CONSTRUCTION
Designed by: RLV	Scale: 1"=120' (120' 0 120' 240')		Significant Construction Changes Are Shown
Drawn by: MJ	NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.		By ____ Date ____
Checked by:			Ck'd ____ Date ____

Barton & Loguidice, P.C.
Engineers · Environmental Scientists · Planners · Landscape Designers

TORREY LANDFILL
LONG POINT ROAD

POST-CLOSURE MONITORING PLAN

TOWN OF TORREY — YATES COUNTY, NEW YORK

Figure Number: 2
File Number: 171.024

X: XREF(S) W/ (ROT/TWIST)
LM: LS=OR L:ON=OFF=
P: STANDARD.PC3.CTB

12/1/06-SYR-MJ, LAST MODIFIED
106/71024_FIG2

YATES COUNTY TORREY LANDFILL

Form A
SITE INSPECTION FORM

Name of Inspector: BJM / GJY

Title: Environmental Scientist I

Date of Inspection: 08/25/23

Weather Conditions: Cloudy 75°F SW 5 mph

1. Leachate tanks being monitored regularly:
   ☒ Yes ☐ No
   Date of last tank inspection: 08/24/23
   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: Historical settled area looks good

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: _____

_____

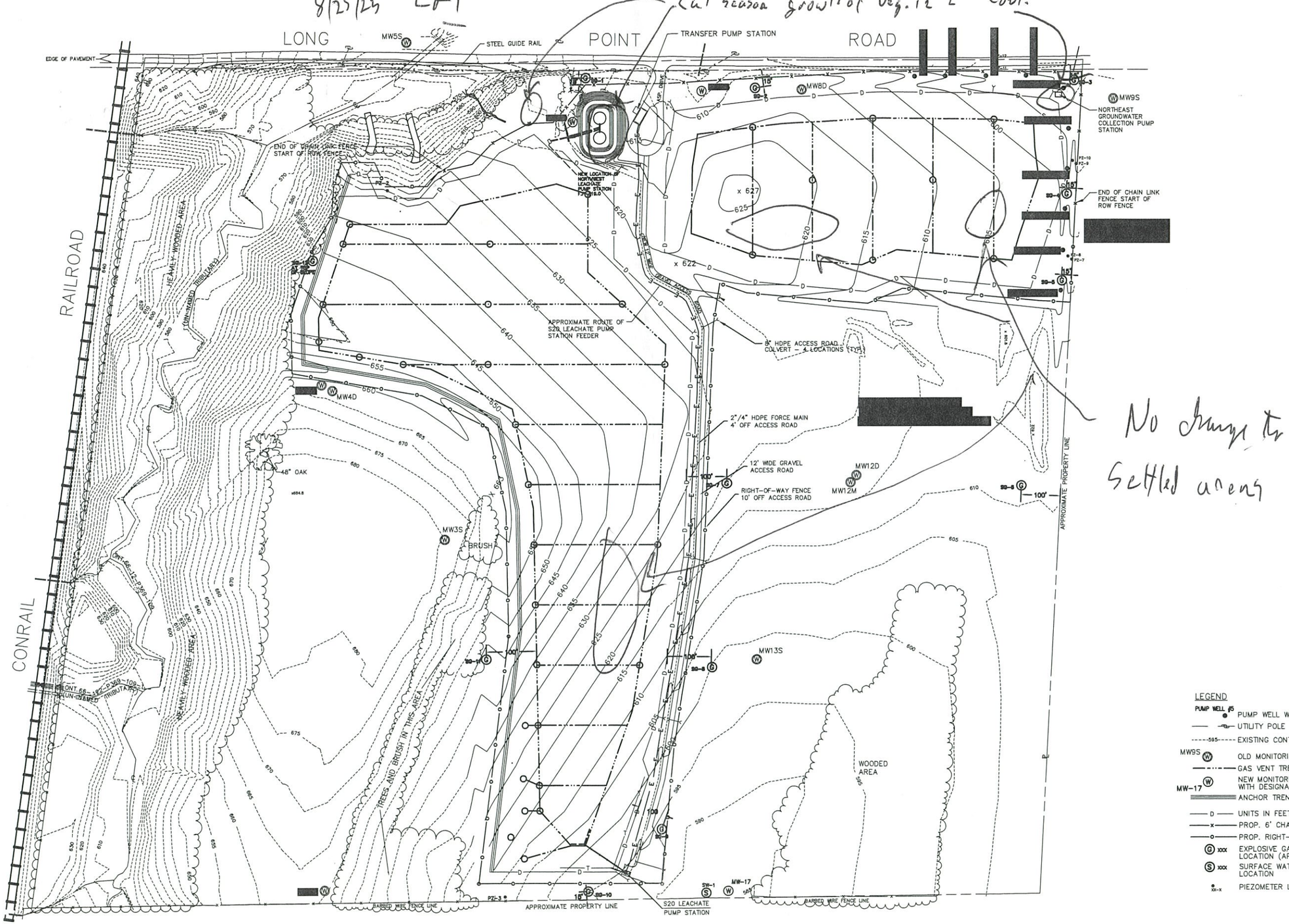
13. Condition of monitoring wells. Inspect each well and check boxes below as completed. All wells should be secured and locked. If damaged, identify well number and describe damage:

☒ MW-1S	☒ PW-1	☐ MW-13S
☒ MW-3S	☒ PW-5	☒ MW-15
☐ MW-4S	☐ PW-8	☒ MW-16
☐ MW-4D	☐ PW-10	☒ MW-17
☒ MW-5S	☒ MW-12M	☐ PZ-2
☒ MW-8D	☒ MW-12D	☒ PZ-3

Additional Comments: PZ-2 Steel casing is rusty - Need to monitor through next quarter, and may need to replace surface seal. All other wells are in good shape

8/25/23 LHT

Cut season growth of veg. to 2" Cont.



No Surveys in Settled areas

LEGEND

- PUMP WELL #5 — PUMP WELL W/ DESIGNATION
- UTILITY POLE
- 595 — EXISTING CONTOURS
- MW9S (W) — OLD MONITORING WELL
- GAS VENT TRENCH
- MW-17 (W) — NEW MONITORING WELL WITH DESIGNATION
- ANCHOR TRENCH
- D — UNITS IN FEET ABOVE MEAN SEA LEVEL
- x — PROP. 6' CHAIN LINK FENCE
- o — PROP. RIGHT-OF-WAY FENCE
- (G) xxx — EXPLOSIVE GAS MONITORING LOCATION (APPROXIMATE)
- (S) xxx — SURFACE WATER MONITORING LOCATION
- xx-x — PIEZOMETER LOCATION.

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

In charge of: PFD	Date: DECEMBER, 2006	REVISIONS	COMPLETED CONSTRUCTION
Designed by: RLV	Scale: 1"=120' (120' 0 120' 240')		Significant Construction Changes Are Shown
Drawn by: MJ	NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.		By ____ Date ____
Checked by:			Ck'd ____ Date ____

Barton & Loguidice, P.C.

Engineers · Environmental Scientists · Planners · Landscape Designers

TORREY LANDFILL
LONG POINT ROAD

POST-CLOSURE MONITORING PLAN

TOWN OF TORREY — YATES COUNTY, NEW YORK

Figure Number: 2

File Number: 171.024

X: XREF(S)_W/_(ROT/TWIST)
LW: LS-OR L:ON=(OFF=
P: STANDARD.PC3.CTB

12/1/06-SYR-MJL LAST MODIFIED
100/171024_FIG2

YATES COUNTY TORREY LANDFILL

Form A
SITE INSPECTION FORM

Name of Inspector: BJM

Title: Senior Field Staff Scientist

Date of Inspection: 12/08/24

Weather Conditions: P-C, 42°F SSE 10-20 mph Winds

1. Leachate tanks being monitored regularly:
   ☒ Yes ☐ No
   Date of last tank inspection: 12/4/23 0730
   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: Except for newly filled Settled Areas - need spring/Summer seeding

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: One vent is Damaged near one of the newly filled, settled areas - See site photos

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: Some minor plastics in fill - used in settled areas

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:

☒ MW-1S	☒ PW-1	☒ MW-13S
☒ MW-3S	☒ PW-5	☒ MW-15
☒ MW-4S	☒ PW-8	☒ MW-16
☒ MW-4D	☒ PW-10	☒ MW-17
☒ MW-5S	☒ MW-12M	☒ PZ-2
☒ MW-8D	☒ MW-12D	☒ PZ-3

Additional Comments: Newly filled areas observed to have ly rock and some other debris in the fill. - See site photos

New Filled IL/08/23 LFI

Settled area

N

TRUE OR CALLED NORTH

LONG POINT ROAD

RAILROAD

CONRAIL

EDGE OF PAVEMENT

STEEL GUIDE RAIL

TRANSFER PUMP STATION

MW5S

MW8D

MW9S

NORTHEAST GROUNDWATER COLLECTION PUMP STATION

END OF CHAIN LINK FENCE START OF ROW FENCE

END OF CHAIN LINK FENCE START OF ROW FENCE

NEW LOCATION OF NORTHWEST LEACHATE PUMP STATION PZ-10.0

HEMLET-WOODED AREA

UNNAMED TRIBUTARY

APPROXIMATE ROUTE OF S28 LEACHATE PUMP STATION FEEDER

8" HDPE ACCESS ROAD CULVERT - 3 LOCATIONS (TYP.)

Broken Gas vent Repair required

MW4D

2"/4" HDPE FORCE MAIN 4' OFF ACCESS ROAD

12' WIDE GRAVEL ACCESS ROAD

RIGHT-OF-WAY FENCE 10' OFF ACCESS ROAD

MW12D

MW12M

48" OAK

MW3S

BRUSH

TREES AND BRUSH IN THIS AREA

Historic Settled areas look unchanged

MW13S

WOODED AREA

APPROXIMATE PROPERTY LINE

BARBED WIRE FENCE LINE

PZ-3

S20 LEACHATE PUMP STATION

SW-1

MW-17

Fence down

LEGEND

- PUMP WELL #5 — PUMP WELL W/ DESIGNATION
- UTILITY POLE
- 595 — EXISTING CONTOURS
- MW9S — OLD MONITORING WELL
- GAS VENT TRENCH
- MW-17 — NEW MONITORING WELL WITH DESIGNATION
- ANCHOR TRENCH
- D — UNITS IN FEET ABOVE MEAN SEA LEVEL
- PROP. 6' CHAIN LINK FENCE
- PROP. RIGHT-OF-WAY FENCE
- G xxx — EXPLOSIVE GAS MONITORING LOCATION (APPROXIMATE)
- S xxx — SURFACE WATER MONITORING LOCATION
- xx-x — PIEZOMETER LOCATION.

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

X: XREF(S)_W/_(ROT/TWIST)
LW: LS=_OR L:ON=;OFF=
P: STANDARD.PCS,CTB

12/1/06-SYR-MJL LAST MODIFIED
100/171024_FIG2

In charge of: PFD	Date: DECEMBER, 2006	REVISIONS	COMPLETED CONSTRUCTION
Designed by: RLV	Scale: 1"=120' (120' 0 120' 240')		Significant Construction Changes Are Shown
Drawn by: MJ	NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.		By ____ Date ____
Checked by:			Ck'd ____ Date ____

Barton & Loguidice, P.C.

Engineers · Environmental Scientists · Planners · Landscape Designers

TORREY LANDFILL
LONG POINT ROAD

POST-CLOSURE MONITORING PLAN

TOWN OF TORREY YATES COUNTY, NEW YORK

Figure Number: 2

File Number: 171.024

YATES COUNTY - TORREY LANDFILL
EXPLOSIVE GAS MONITORING
August 25, 2023

STATION	AUGER TOTAL DEPTH (ft)	LEL %	COMMENTS
SG-1	16"	0.0	
SG-2	16"	0.0	
SG-3	14"	0.0	
SG-4	16"	0.0	
SG-5	18"	0.0	
SG-6	18"	0.0	
SG-7	14"	0.0	
SG-8	20"	0.0	
SG-9	16"	0.0	
SG-10	14"	0.0	
SG-11	16"	0.0	
SG-12	14"	0.0	

Sample points augered with 1-in diameter corkscrew auger
Sample locations shown on Figure 2 "Post-Closure Monitoring Plan"

Eco-Rental Solutions

Calibration Certificate

rev 8/9/11

Work Order No.: SE-121090
Date of Service: 08/24/23
Order Time: 11:47:33 AM

Unit Under Test: RAE MultiRAE

Asset No.: FA00160 Technician Joshua Young
Serial No: MBB3Z036NA

Initials: JY

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.MBI-399-2 Exp. 12/21/2022	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.

*CH_4 sensor installed (FA02650)

The experience to
listen
The power to
solve℠

Barton
&Loguidice

www.bartonandloguidice.com