

July | 22

# Town of Dewitt Landfill Annual Engineer's Report

Manlius, New York



[www.MillerEngineers.com](http://www.MillerEngineers.com)

[Solutions@MillerEngineers.com](mailto:Solutions@MillerEngineers.com) | 315.682.0028

**ENGINEERING YOU CAN BUILD ON**

ENGINEERING | ENVIRONMENTAL | CAPITAL IMPROVEMENT | CONSTRUCTION

**2021 Annual Post-Closure Monitoring Report  
Town of Dewitt Landfill  
Fisher Road  
East Syracuse, NY  
Onondaga County, New York**

**Prepared for  
Town of Dewitt**

**By  
Miller Engineers  
Manlius, NY  
July 2022**

# 2021 Annual Post-Closure Monitoring Report Town of Dewitt Landfill

## Contents

1. Introduction .....	1
2. Background.....	1
3. Landfill Reconnaissance.....	2
3.1 Final Cover and Vegetation.....	2
3.2 Landfill Gas System.....	2
3.3 Storm-water Management and Drainage.....	2
3.4 Access Road and Fencing .....	3
3.5 Monitoring Wells .....	3
4. Post-Closure sampling.....	3
4.1 Surface Water Sampling.....	4
4.2 Groundwater Sampling .....	4
4.3 Gas Vent Sampling.....	5
5. Conclusion.....	6
6. Recommendations .....	6

## Figures

Figure 1. Site Map

## Tables

Table 1. Monitoring Well Specifications

Table 2a. Surface Water Sampling Results – SW-1

Table 2b. Surface Water Sampling Results – SW-2

Table 2c. Surface Water Sampling Results – SW-3

Table 3a. Groundwater Sampling Results – Shallow Monitoring Wells

Table 3a. Groundwater Sampling Results – Deep Monitoring Wells

Table 4. Gas Vent Sampling Results

## Appendices

- A Inspection and Maintenance Checklist
- B Photographic Log
- C Field Data Sheets
- D Laboratory Reports

## **1. INTRODUCTION**

The Town of Dewitt retained Miller Engineers to observe, assist, and document post-closure monitoring activities at the Town of Dewitt Landfill in East Syracuse, New York. This report summarizes post-closure monitoring activities conducted in 2021 and provides the laboratory results of surface water, groundwater and landfill gas samples collected during the year.

## **2. BACKGROUND**

The former Town of Dewitt Landfill is located between Butternut Drive and Burdick Street in East Syracuse, New York and is approximately 57 acres in size. Access to the site is from Fisher Road and is limited by a chain link fence and a locked gate. The site is surrounded by light industrial properties to the north and west and residential properties to the east. The Erie Canal, to the south, is a recreational area with multi-use trail, boating access and a picnic area.

The site is an inactive municipal landfill that previously accepted residential and industrial waste. The landfill was closed by the Town of Dewitt under the New York State Department of Environmental Conservation (NYSDEC) state Superfund Program (site code 734012). Investigation and remediation efforts included a Remedial Investigation/Feasibility Study in 1992, an Interim Remedial Measure (IRM) completed in 1994 (Part 360 landfill cap) and a Record of Decision (ROD) in March 1994. This site was included on the NYSDEC's list of Legacy sites based on the potential for soil vapor intrusion. Based upon additional evaluation by the New York State Department of Health (NYSDOH), the site was removed from the list in April 2009. Currently the site is monitored in accordance with the Monitoring and Maintenance Operations Manual (MMOM) prepared in December 1994 by O'Brien and Gere Engineers, Inc. for the Town of Dewitt.

In 2018, NYSDEC requested sampling for emerging contaminants (PFOAs and 1,4 dioxane) at the landfill. Samples were collected in December 2018, and a letter report submitted to NYSDEC in April 2019. Detections of some emerging contaminants were observed. The results are under review by NYSDEC, and no further action has been required as of July 2022.

In 2020 a solar panel array was constructed on the landfill and connected to the National Grid power grid near the Fisher Road landfill gate. The land for the solar panel array is leased from the Town of Dewitt and the operation and maintenance of the solar array and associated equipment are performed by a third party.

### **3. LANDFILL RECONNAISSANCE**

Site visits were performed during March, May, September, November, and December 2021 to assess general site conditions at the landfill and to collect environmental samples. Landfill reconnaissance included observations and assessments of the final cover and vegetation, landfill gas venting system, storm water management system and access road, perimeter fence conditions, and the solar panel array. A summary of the observations is provided below. Appendix A presents the Inspection and Maintenance checklist completed during 2021. Appendix B provides a photographic log of typical conditions observed at the landfill during 2021.

#### **3.1 Final Cover and Vegetation**

The site visits revealed healthy growth of grasses across the landfill. The grass cover appeared uniform and healthy over most of the landfill. No woody bushes were observed near the gas vents or in down-chutes and solar panels (see Appendix B, Photos 3, and 6).

Based on these observations, the cover layer and cap material are in good repair and that no deep-rooted plants or ruts are compromising the low-permeability cap layer or allowing precipitation to infiltrate the waste layer.

#### **3.2 Landfill Gas System**

There are a total of 22 gas vents that comprise the passive gas venting system at the landfill (see Figure 1). All gas vents were observed to be in good repair and operable during the August 2021 visit. All vent screens were free of debris and blockages and appeared to be operating as designed. Observations during the November 2021 visit indicate that solar panel supporting structures and solar system maintenance activities do not interfere with the gas vents.

Previous monitoring reports indicate that the most prolific gas producing vents are located along the east-west trending ridge at the top of the landfill. Qualitative observations, gas flow measurements and gas sampling were conducted at these vents on December 13, 2021. Results of gas vent observations and sampling are discussed in Section 4.3.

#### **3.3 Storm-water Management and Drainage**

A series of radial drainage ditches lined with riprap overlying perforated drainpipe are spaced around the landfill to facilitate storm water run-off and to minimize ponding and infiltration into the waste mass. During each of the 2021 site visits the ditches were observed to be unobstructed by the solar array and associated electrical conduit. The drainage features are in good repair with no signs of erosion, fine sediment accumulation, or ponding. There were no small trees

or tall woody plants observed in the down chutes and the ditches appeared to drain efficiently. At this time, the drainage system appears to be functioning as designed.

### **3.4 Access Road and Fencing**

A crushed stone access road surrounds the landfill and is located on the lower side slope. Vehicle traffic accesses the road through a locked chain link fence gate located on the north side of the landfill at the southern end of Fisher Road (see Figure 1). In November, the access road was observed to be in good repair with no washouts and no impassable dips or ruts.

The landfill is bounded on the south by an eight-foot-tall chain link fence that separates the Erie Canal towpath from the landfill. The fence was observed to be in good repair with no openings or breaks in the fence and no damaged posts or rails. A short section of fence is also located at the access gate at Fisher Road and spans the access road at the northern landfill boundary between a stand of mature trees and a wetland. The fence and gate adequately prevent automobile and truck traffic from unauthorized entry to the landfill. On occasion, recreational ATV tracks and snowmobile tracks have been observed, at various times of the year, circumventing the fence and accessing the landfill via the wetland.

In general, the access road and fencing appear to be functioning as designed.

### **3.5 Monitoring Wells**

There are a total of 18 monitoring wells at the site. The wells are located outside the perimeter of the landfill. Well MW-1S, MW-7S, and MW-11D are upgradient and located south of the Erie Canal. Well couplets MW-4S,D, MW-5S,D and well MW-6S are downgradient and located on the north side of the landfill. The remaining monitoring wells are side-gradient. The wells were all observed to be in good repair and suitable for representative groundwater sampling. Table 1 lists the specifications of the wells.

## **4. POST-CLOSURE SAMPLING**

The Monitoring and Maintenance Operations Manual (MMOM) calls for surface water, groundwater, and landfill gas monitoring. The sections below describe locations, frequency, methods and results for surface water, groundwater, and gas vent sampling. Figure 1 shows the sampling locations. Sampling results were tabulated and compared to standards, criteria, and guidance (SCG) appropriate for each sampling media and described below. Groundwater, surface water and gas vent samples were all analyzed by Alpha Analytical, Inc (New York State ELAP certification no. 11148) for Part 360 Baseline and Routine parameters.

## 4.1 Surface Water Sampling

The MMOM requires surface water samples to be collected once every calendar quarter at three designated locations. Surface sample locations SW-1, SW-2 and SW-3 are located at the toe of the landfill slope and on the edge of the surrounding wetland. Surface water samples were collected on March 18, May 26, and September 17, and December 13, 2021.

Surface water samples were collected by digging a shallow hole in the wetland and allowing the hole to fill with water. Sample containers were filled by submerging them in the standing water. The samples were preserved on ice and shipped directly to the laboratory by the sampling crew. The samples were analyzed for Priority Pollutant Metals, volatile organic compounds (VOCs) using USEPA Method 624 and total dissolved solids (TDS).

Surface water sampling results were compared to SCGs defined in NYSDEC *“Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998”* and subsequent addendums.

The results of the surface water sampling events indicate that there were five SCG exceedances for the metal thallium (SCG of 0.5 ug/l) ranging from 3 to 26 ug/l at SW-1, SW-2, and SW-3. Arsenic exceeded its standard (25 ug/l) five times with concentrations ranging from 70 to 293 ug/l. There were four occurrences of exceedances for antimony (SCG 3ug/l) ranging from 9 to 48 ug/l. Lead exceeded its standard (25 ug/l) four times with concentrations ranging from 48 to 116 ug/l. Cadmium exceeded its standard (5 ug/l) three times with concentrations ranging from 11 ug/l to 68 ug/l. There were single exceedances of nickel, and chromium.

There were no SCG exceedances for any VOCs in any round at locations SW-1, SW-2, and SW-3.

The full list of analytes and results for each surface water location and each sampling event are presented in Tables 2a, 2b and 2c. The full laboratory reports including field observations and laboratory quality assurance/quality control data are presented Appendix D.

## 4.2 Groundwater Sampling

The MMOM requires groundwater samples to be collected once every calendar year at each of the 18 monitoring wells (see Figure 1). Groundwater samples were collected on December 13, 2021.

The samples were collected using dedicated bailers to purge each of the wells of three volumes of water prior to sample collection. After purging, field parameters including temperature, pH, turbidity, conductance, oxidation-reduction potential, and dissolved oxygen were measured and recorded on field data sheets. The field data sheets are presented in Appendix C. The sample

containers were filled using bailers and then preserved with ice and shipped directly to the laboratory by the sampling crew. The samples were analyzed for Priority Pollutant Metals, VOCs using USEPA Method 624 and total dissolved solids (TDS).

Groundwater sampling results were compared to SCGs defined in NYSDEC “*TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998*” and subsequent addendums.

The results of the groundwater sampling are presented in Tables 3a and 3b. The results indicate metals exceedances in nine of the wells. The SCG for arsenic (25ug/l) was exceeded at MW-1S, MW-3S, MW-8D, MW-9S, MW-9M, MW-11D and MW-12S with concentrations ranging from 26 to 284 ug/l. The SCG for chromium (50 ug/l) was exceeded at MW-9D, MW-10S, MW-11D and MW-12S ranging from 81 ug/l to 4,320 ug/l. The SCG for nickel (100 ug/l) was exceeded at MW-9D (1,330 ug/l) and MW-11D (669 ug/l). The SCG for lead was exceeded at MW-1S, MW-3S, MW-9D and MW-11D. The SCG for selenium was exceeded at MW-9D and the SCG for zinc was exceeded at MW-12S. No other metals exceeded SCGs at any other wells.

The VOC cis-1,2-dichloroethene exceeded SCGs at MW-4S and MW-4D. Vinyl chloride exceeded SCGs at MW-4S, MW-4D, MW-8S and MW-9M. Trichloroethene exceeded SCGs at MW-4D. No other VOCs exceeded SCGs at any other wells.

The full laboratory report including field observations and quality assurance/quality control data is presented Appendix D.

### **4.3 Gas Vent Sampling**

The MMOM requires that specific gas vents be monitored once per year with the three vents exhibiting the most prolific gas flows being sampled for laboratory analysis. Gas vents V-3, V-9, V-10, V-11, V-12, and V-18 (see Figure 1) were screened in the field on December 13, 2021, using a GEM 5000+ air analyzer for methane, lower explosive limit, carbon dioxide, oxygen, hydrogen sulfide, carbon monoxide and exit velocity. The gas vent field measurements were recorded on field logs and are presented in Appendix C. The field results indicated that gas vents V-10, V-11 and V-18 exhibited the highest gas velocities and gas samples were collected from those locations for laboratory analysis of VOCs using EPA Method TO-15.

Soil vent gas sampling results we compared to SCGs established in “*NY-SSC-A: New York DOH Matrix A, B and C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.*”

The results indicate the SCG for vinyl chloride exceeded SCGs at V-10, V-11, and V-18. No other analytes exceeded SCGs at the sampled gas vents.



The laboratory results of the gas vent sampling are presented in Table 4. The full laboratory report including field observations and quality assurance/quality control data is presented Appendix D.

## **5. CONCLUSION**

Based on site visits and the analyses of surface water, groundwater and gas vent samples, the general condition of the landfill is good, and all systems appear to be operating as designed. A few exceedances of environmental sampling SCGs have been noted, however these are comparable to previous years' results and due to relatively low concentrations, isolated occurrences, and lack of significant exposure risks, do not pose a significant threat to human health or the environment.

## **6. RECOMMENDATIONS**

- Continue road maintenance and grass mowing as specified in the Monitoring and Maintenance Operations Manual (MMOM).
- Continue surface water, groundwater and vent gas monitoring as specified in the MMOM.
- Pay particular attention to possible plant growth and animal behavior changes such as burrowing or congregating beneath solar panels where mowing may be less effective than prior to solar panel installation.

## **FIGURES**



Town of Dewitt Landfill  
 Fisher Road  
 East Syracuse, New York

### Site Map

FIGURE  
 1

Revised 3/3/2021

## **TABLES**

**Table 1.**  
**Monitoring Well Specifications**  
 Town Of Dewitt Landfill

<b>ID</b>	<b>Well Diameter (inches)</b>	<b>Depth to Bottom (ft below top of casing)</b>	<b>Depth to Water 12/13/2021 (feet below top of casing)</b>
MW-1S	2	21.0	7.72
MW-2S	2	35.5	11.73
MW-2D	2	52.0	10.82
MW-3S	2	35.6	2.74
MW-4S	2	20.0	1.32
MW-4D	2	35.3	0.89
MW-5S	2	26.6	1.91
MW-5D	2	45.0	1.30
MW-6S	2	21.7	3.55
MW-7S	2	22.4	9.62
MW-8S*	2	29.2	0.00
MW-8D*	2	61.3	0.00
MW-9S	2	12.4	1.20
MW-9M	2	38.0	1.45
MW-9D**	2	55.0	44.60
MW-10S	2	20.6	9.47
MW-11D	2	39.0	29.65
MW-12S	2	23.0	3.45

\* this well flows at times

\*\* this well dry at times

**Table 2a.**  
**Surface Water Sampling Results**  
**SW-1**  
Town of Dewitt Landfill  
2021


LOCATION		SW-1		SW-1		SW-1		SW-1		
SAMPLING DATE		3/18/2021		5/26/2021		9/17/2021		12/13/2021		
	SCG	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry										
Solids, Total Dissolved		ug/l	430000		1400000		420000		500000	
Total Metals										
Antimony, Total	3	ug/l	50	U	50	U	10	J	50	U
Arsenic, Total	25	ug/l	5	U	10		71		3	J
Beryllium, Total	3	ug/l	5	U	5	U	5	U	5	U
Cadmium, Total	5	ug/l	5	U	3	J	5	U	5	U
Chromium, Total	50	ug/l	10	U	10	U	2	J	10	U
Copper, Total	200	ug/l	6	J	11		46		10	U
Lead, Total	25	ug/l	10	U	8	J	11		4	J
Mercury, Total	0.7	ug/l	0.2	U	1	U	0.28		0.2	U
Nickel, Total	100	ug/l	25	U	11	J	14	J	25	U
Selenium, Total	10	ug/l	10	U	10	U	5	J	10	U
Silver, Total	50	ug/l	7	U	7	U	7	U	7	U
Thallium, Total	0.5	ug/l	20	U	20	U	6	J	20	U
Zinc, Total	2000	ug/l	38	J	149		348		19	J
Volatile Organics by GC/MS										
1,1,1-Trichloroethane	5	ug/l	2	U	2	U	2	U	2	U
1,1,2,2-Tetrachloroethane	5	ug/l	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	1	ug/l	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethane	5	ug/l	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethene	5	ug/l	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	ug/l	5	U	5	U	5	U	5	U
1,2-Dichloroethane	0.6	ug/l	1.5	U	1.5	U	1.5	U	1.5	U
1,2-Dichloropropane	1	ug/l	3.5	U	3.5	U	3.5	U	3.5	U
1,3-Dichlorobenzene	3	ug/l	5	U	5	U	5	U	5	U
1,4-Dichlorobenzene	3	ug/l	5	U	5	U	5	U	5	U
2-Butanone	50	ug/l	10	U	10	U	10	U	10	U
2-Chloroethylvinyl ether		ug/l	10	U	10	U	10	U	10	U
2-Hexanone	50	ug/l	10	U	10	U	10	U	10	U
4-Methyl-2-pentanone		ug/l	10	U	10	U	10	U	10	U
Acetone	50	ug/l	10	U	10	U	10	U	10	U
Acrolein	5	ug/l	8	U	8	U	8	U	8	U
Acrylonitrile	5	ug/l	10	U	10	U	10	U	10	U
Benzene	1	ug/l	1	U	1	U	1	U	1	U
Bromodichloromethane	50	ug/l	1	U	1	U	1	U	1	U
Bromoform	50	ug/l	1	U	1	U	1	U	1	U
Bromomethane	5	ug/l	5	U	5	U	5	U	5	U
Carbon disulfide	60	ug/l	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	ug/l	1	U	1	U	1	U	1	U
Chlorobenzene	5	ug/l	3.5	U	0.56	J	3.5	U	3.5	U
Chloroethane	5	ug/l	2	U	0.71	J	2	U	2	U
Chloroform	7	ug/l	1	U	1	U	1	U	1	U
Chloromethane		ug/l	5	U	5	U	5	U	5	U
cis-1,2-Dichloroethene	5	ug/l	1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene	0.4	ug/l	1.5	U	1.5	U	1.5	U	1.5	U
Dibromochloromethane	50	ug/l	1	U	1	U	1	U	1	U
Dibromomethane	5	ug/l	1	U	1	U	1	U	1	U
Ethylbenzene	5	ug/l	1	U	1	U	1	U	1	U
Methylene chloride	5	ug/l	1	U	1	U	1	U	1	U
o-xylene	5	ug/l	1	U	1	U	1	U	1	U
p/m-Xylene	5	ug/l	2	U	2	U	2	U	2	U
Styrene	5	ug/l	1	U	1	U	1	U	1	U
Tetrachloroethene	5	ug/l	1	U	1	U	1	U	1	U
Toluene	5	ug/l	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	5	ug/l	1.5	U	1.5	U	1.5	U	1.5	U
trans-1,3-Dichloropropene	0.4	ug/l	1.5	U	1.5	U	1.5	U	1.5	U
Trichloroethene	5	ug/l	1	U	1	U	1	U	1	U
Trichlorofluoromethane	5	ug/l	5	U	5	U	5	U	5	U
Vinyl acetate		ug/l	10	U	10	U	10	U	10	U
Vinyl chloride	2	ug/l	1	U	1	U	1	U	1	U
Xylenes, Total		ug/l	1	U	1	U	1	U	1	U


\* Comparison is not performed on parameters with non-numeric criteria.

Standard, criteria or guidance (SCG) is the New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

U - Not detected at the reported detection limit for the sample.

J- The analyte was positively identified-the associated numerical value is the approximate concentration of the analyte in the sample.

 - The standard, criteria or guidance value is below the the detection limit.

 - The Reported concentration exceeds the standard, criteria or guidance value.

**Table 2b.**  
**Surface Water Sampling Results**  
**SW-2**  
Town of Dewitt Landfill  
2021


LOCATION			SW-2		SW-2		SW-2		SW-2	
SAMPLING DATE			3/18/2021		5/26/2021		9/17/2021		12/13/2021	
	SCG	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry										
Solids, Total Dissolved		ug/l	490000		380000		580000		690000	
Total Metals										
Antimony, Total	3	ug/l	50	U	50	U	9	J	500	U
Arsenic, Total	25	ug/l	2	J	16		70		123	
Beryllium, Total	3	ug/l	5	U	5	U	2	J	50	U
Cadmium, Total	5	ug/l	5	U	2	J	2	J	11	J
Chromium, Total	50	ug/l	10	U	10		55		100	U
Copper, Total	200	ug/l	4	J	24		155		37	J
Lead, Total	25	ug/l	10	U	22		104		48	J
Mercury, Total	0.7	ug/l	0.2	U	0.2	U	0.58		1	U
Nickel, Total	100	ug/l	5	J	27		130		32	J
Selenium, Total	10	ug/l	10	U	10	U	7	J	100	U
Silver, Total	50	ug/l	7	U	7	U	7	U	70	U
Thallium, Total	0.5	ug/l	4	J	20	U	3	J	200	U
Zinc, Total	2000	ug/l	25	J	122		658		306	J
Volatile Organics by GC/MS										
1,1,1-Trichloroethane	5	ug/l	2	U	2	U	2	U	2	U
1,1,2,2-Tetrachloroethane	5	ug/l	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	1	ug/l	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethane	5	ug/l	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethene	5	ug/l	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	ug/l	5	U	5	U	5	U	5	U
1,2-Dichloroethane	0.6	ug/l	1.5	U	1.5	U	1.5	U	1.5	U
1,2-Dichloropropane	1	ug/l	3.5	U	3.5	U	3.5	U	3.5	U
1,3-Dichlorobenzene	3	ug/l	5	U	5	U	5	U	5	U
1,4-Dichlorobenzene	3	ug/l	5	U	5	U	5	U	5	U
2-Butanone	50	ug/l	10	U	10	U	1.2	J	10	U
2-Chloroethylvinyl ether		ug/l	10	U	10	U	10	U	10	U
2-Hexanone	50	ug/l	10	U	10	U	10	U	10	U
4-Methyl-2-pentanone		ug/l	10	U	10	U	10	U	10	U
Acetone	50	ug/l	10	U	9.9	J	32		2.7	J
Acrolein	5	ug/l	8	U	8	U	8	U	8	U
Acrylonitrile	5	ug/l	10	U	10	U	10	U	10	U
Benzene	1	ug/l	1	U	1	U	1	U	1	U
Bromodichloromethane	50	ug/l	1	U	1	U	1	U	1	U
Bromoform	50	ug/l	1	U	1	U	1	U	1	U
Bromomethane	5	ug/l	5	U	5	U	5	U	5	U
Carbon disulfide	60	ug/l	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	ug/l	1	U	1	U	1	U	1	U
Chlorobenzene	5	ug/l	3.5	U	3.5	U	3.5	U	3.5	U
Chloroethane	5	ug/l	2	U	2	U	2	U	2	U
Chloroform	7	ug/l	1	U	1	U	1	U	1	U
Chloromethane		ug/l	5	U	5	U	5	U	5	U
cis-1,2-Dichloroethene	5	ug/l	1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene	0.4	ug/l	1.5	U	1.5	U	1.5	U	1.5	U
Dibromochloromethane	50	ug/l	1	U	1	U	1	U	1	U
Dibromomethane	5	ug/l	1	U	1	U	1	U	1	U
Ethylbenzene	5	ug/l	1	U	1	U	1	U	1	U
Methylene chloride	5	ug/l	1	U	1	U	1	U	1	U
o-xylene	5	ug/l	1	U	1	U	1	U	1	U
p/m-Xylene	5	ug/l	2	U	2	U	2	U	2	U
Styrene	5	ug/l	1	U	1	U	1	U	1	U
Tetrachloroethene	5	ug/l	1	U	1	U	1	U	1	U
Toluene	5	ug/l	1	U	0.78	J	0.56	J	1	U
trans-1,2-Dichloroethene	5	ug/l	1.5	U	1.5	U	1.5	U	1.5	U
trans-1,3-Dichloropropene	0.4	ug/l	1.5	U	1.5	U	1.5	U	1.5	U
Trichloroethene	5	ug/l	1	U	1	U	1	U	1	U
Trichlorofluoromethane	5	ug/l	5	U	5	U	5	U	5	U
Vinyl acetate		ug/l	10	U	10	U	10	U	10	U
Vinyl chloride	2	ug/l	1	U	1	U	1	U	1	U
Xylenes, Total		ug/l	1	U	1	U	1	U	1	U

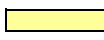
Standard, criteria or guidance (SCG) is the New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

dry - sample ocaation was dry. No sample collected.

U - Not detected at the reported detection limit for the sample.

J- The analyte was positively identified-the associated numerical value is the approximate concentration of the analyte in the sample.

 - The standard, criteria or guidance value is below the the detection limit.

 - The Reported concentration exceeds the standard, crieteria or guidance value.


**Table 2c.**  
**Surface Water Sampling Results**  
**SW-3**  
Town of Dewitt Landfill  
2021

LOCATION			SW-3		SW-3		SW-3		SW-3	
SAMPLING DATE			3/18/2021		5/26/2021		9/17/2021		12/13/2021	
	SCG	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry										
Solids, Total Dissolved		ug/l	410000		540000		490000		490000	
Total Metals										
Antimony, Total	3	ug/l	50	U	48	J	12	J	500	U
Arsenic, Total	25	ug/l	2	J	10	U	69		293	
Beryllium, Total	3	ug/l	5	U	10	U	5	U	50	U
Cadmium, Total	5	ug/l	5	U	32		5	U	66	
Chromium, Total	50	ug/l	10	U	20	U	10	U	100	U
Copper, Total	200	ug/l	10		36		48		157	
Lead, Total	25	ug/l	6	J	99		11		116	
Mercury, Total	0.7	ug/l	0.12	J	5	U	0.2		0.52	J
Nickel, Total	100	ug/l	6	J	68		9	J	250	U
Selenium, Total	10	ug/l	6	J	10	J	10	J	100	U
Silver, Total	50	ug/l	7	U	9	J	7	U	70	U
Thallium, Total	0.5	ug/l	20	U	26	J	16	J	200	U
Zinc, Total	2000	ug/l	38	J	585		163		736	
Volatile Organics by GC/MS										
Methylene chloride	5	ug/l	2	U	2	U	2	U	2	U
1,1-Dichloroethane	5	ug/l	1	U	1	U	1	U	1	U
Chloroform	7	ug/l	1.5	U	1.5	U	1.5	U	1.5	U
Carbon tetrachloride	5	ug/l	1.5	U	1.5	U	1.5	U	1.5	U
1,2-Dichloropropane	1	ug/l	1	U	1	U	1	U	1	U
Dibromochloromethane	50	ug/l	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	1	ug/l	1.5	U	1.5	U	1.5	U	1.5	U
2-Chloroethylvinyl ether		ug/l	3.5	U	3.5	U	3.5	U	3.5	U
Tetrachloroethene	5	ug/l	5	U	5	U	5	U	5	U
Chlorobenzene	5	ug/l	5	U	5	U	5	U	5	U
Trichlorofluoromethane	5	ug/l	10	U	1.2	J	10	U	10	U
1,2-Dichloroethane	0.6	ug/l	10	U	10	U	10	U	10	U
1,1,1-Trichloroethane	5	ug/l	10	U	10	U	10	U	10	U
Bromodichloromethane	50	ug/l	10	U	10	U	10	U	10	U
trans-1,3-Dichloropropene	0.4	ug/l	10	U	5.5	J	10	U	8	J
cis-1,3-Dichloropropene	0.4	ug/l	8	U	8	U	8	U	8	U
Bromoform	50	ug/l	10	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	5	ug/l	1	U	1	U	1	U	1	U
Benzene	1	ug/l	1	U	1	U	1	U	1	U
Toluene	5	ug/l	1	U	1	U	1	U	1	U
Ethylbenzene	5	ug/l	5	U	5	U	5	U	5	U
Chloromethane		ug/l	5	U	5	U	5	U	5	U
Bromomethane	5	ug/l	1	U	1	U	1	U	1	U
Vinyl chloride	2	ug/l	3.5	U	3.5	U	3.5	U	3.5	U
Chloroethane	5	ug/l	2	U	2	U	2	U	2	U
1,1-Dichloroethene	5	ug/l	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	5	ug/l	5	U	5	U	5	U	5	U
cis-1,2-Dichloroethene	5	ug/l	1	U	1	U	1	U	1	U
Trichloroethene	5	ug/l	1.5	U	1.5	U	1.5	U	1.5	U
1,2-Dichlorobenzene	3	ug/l	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	3	ug/l	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	ug/l	1	U	1	U	1	U	1	U
p/m-Xylene	5	ug/l	1	U	1	U	1	U	1	U
o-xylene	5	ug/l	1	U	1	U	1	U	1	U
Xylenes, Total		ug/l	2	U	2	U	2	U	2	U
Styrene	5	ug/l	1	U	1	U	1	U	1	U
Acetone	50	ug/l	1	U	1	U	1	U	1	U
Carbon disulfide	60	ug/l	1	U	1	U	3.5		1	U
2-Butanone	50	ug/l	1.5	U	1.5	U	1.5	U	1.5	U
Vinyl acetate		ug/l	1.5	U	1.5	U	1.5	U	1.5	U
4-Methyl-2-pentanone		ug/l	1	U	1	U	1	U	1	U
2-Hexanone	50	ug/l	5	U	5	U	5	U	5	U
Acrolein	5	ug/l	10	U	10	U	10	U	10	U
Acrylonitrile	5	ug/l	1	U	1	U	1	U	1	U
Dibromomethane	5	ug/l	1	U	1	U	1	U	1	U

Standard, criteria or guidance (SCG) is the New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

U - Not detected at the reported detection limit for the sample.

J- The analyte was positively identified-the associated numerical value is the approximate concentration of the analyte in the sample.

 - The standard, criteria or guidance value is below the detection limit.

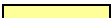
 - The Reported concentration exceeds the standard, criteria or guidance value.



Table 3a.  
Groundwater Sampling Results  
Shallow Monitoring Wells  
Town of Dewitt Landfill  
December 2021

LOCATION		MW-1S	MW-2S	MW-3S	MW-4S	MW-5S	MW-6S	NMW-7S	MW-8S	MW-9S	MW-10S	MW-12S												
SAMPLING DATE		12/13/2021	12/13/2021	12/13/2021	12/13/2021	12/20/2021	12/13/2021	12/13/2021	12/13/2021	12/13/2021	12/13/2021	12/13/2021												
	NY-AWQS	Units	Results	Qua	Results	Qua	Results	Qua	Results	Qua	Results	Qua	Results	Qua										
General Chemistry																								
Solids, Total Dissolved		ug/l	1300000		1400000		2200000		2800000		2300000		1200000		1500000		1100000		1400000		1800000		2300000	
Total Metals																								
Antimony, Total	3	ug/l	500	J	50	U	500	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	500	U
Arsenic, Total	25	ug/l	40	J	2	J	284		10		8		17		5	U	9		39		4	J	43	J
Beryllium, Total	3	ug/l	50	U	5	U	50	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	50	U
Cadmium, Total	5	ug/l	50	U	5	U	50	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	50	U
Chromium, Total	50	ug/l	31	J	2	J	27	J	4	J	10	U	10	U	15		10	U	10	U	192		81	J
Copper, Total	200	ug/l	92	J	10	U	31	J	5	J	10	U	2	J	7	J	10	U	5	J	33		155	
Lead, Total	25	ug/l	30	J	6	J	72	J	9	J	6	J	7	J	7	J	4	J	6	J	14		77	J
Mercury, Total	0.7	ug/l	1	U	0.2	U	1	U	0.2	U	0.14	J	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	1	U
Nickel, Total	100	ug/l	52	J	3	J	40	J	4	J	6	J	5	J	5	J	25	U	15	J	19	J	65	J
Selenium, Total	10	ug/l	100	U	10	U	100	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	100	U
Silver, Total	50	ug/l	70	U	7	U	70	U	7	U	7	U	7	U	7	U	7	U	7	U	7	U	70	U
Thallium, Total	0.5	ug/l	200	U	20	U	200	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	200	U
Zinc, Total	2000	ug/l	133	J	13	J	141	J	18	J	12	J	15	J	20	J	10	J	35	J	238		6850	
Volatile Organics by GC/MS																								
1,1,1-Trichloroethane	5	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,1,2,2-Tetrachloroethane	5	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	1	ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethane	5	ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethene	5	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane	0.6	ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
1,2-Dichloropropane	1	ug/l	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U
1,3-Dichlorobenzene	3	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,4-Dichlorobenzene	3	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Butanone	50	ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
2-Chloroethylvinyl ether		ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
2-Hexanone	50	ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
4-Methyl-2-pentanone		ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Acetone	50	ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	50	U
Acrolein	5	ug/l	8	U	8	U	8	U	8	U	8	U	8	U	8	U	8	U	8	U	8	U	8	U
Acrylonitrile	5	ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Benzene	1	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane	50	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromoform	50	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromomethane	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbon disulfide	60	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	5	ug/l	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U
Chloroethane	5	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Chloroform	7	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloromethane		ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
cis-1,2-Dichloroethane	5	ug/l	1	U	1	U	1	U	60		1	U	1	U	1	U	1	U	0.76	J	0.26	J	1	U
cis-1,3-Dichloropropene	0.4	ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
Dibromochloromethane	50	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dibromomethane	5	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Ethylbenzene	5	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methylene chloride	5	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
o-xylene	5	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
p/m-Xylene	5	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Styrene	5	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Tetrachloroethane	5	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Toluene	5	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethane	5	ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
trans-1,3-Dichloropropene	0.4	ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
Trichloroethane	5	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.47	J	1	U
Trichlorofluoromethane	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Vinyl acetate		ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Vinyl chloride	2	ug/l	1	U	1	U	1	U	3.3		1	U	1	U	1	U	74		0.38	J	1	U	1	U
Xylenes, Total		ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U

Standard, criteria or guidance (SCG) is the New York TOGS 111 Ambient Water Quality Standards criteria reflects all dry - sample ocaion was dry. No sample collected.

U - Not detected at the reported detection limit for the sample.  
J - The analyte was positively identified-the associated numerical value is the approximate concentration of the analyte in the sample.

- The standard, criteria or guidance value is below the detection limit.  
- The Reported concentration exceeds the standard, criteria or guidance value.


**Table 3b.**  
**Groundwater Sampling Results**  
**Deep Monitoring Wells**  
 Town of Dewitt Landfill  
 December 2021


LOCATION		MW-2D		MW-4D		MW-5D		MW-8D		MW-9D		MW-9M		MW-11D		
SAMPLING DATE		12/13/2021		12/13/2021		12/20/2021		12/13/2021		12/13/2021		12/13/2021		12/13/2021		
	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
General Chemistry																
Solids, Total Dissolved		ug/l	2300000		2900000		3200000		2700000		20000000		1200000		1100000	
Total Metals																
Antimony, Total		3 ug/l	50	U	50	U	50	U	50	U	250	U	50	U	500	U
Arsenic, Total		25 ug/l	4	J	5		14		26		25	U	50		34	J
Beryllium, Total		3 ug/l	5	U	5	U	5	U	5	U	25	U	5	U	50	U
Cadmium, Total		5 ug/l	5	U	5	U	5	U	5	U	25	U	5	U	50	U
Chromium, Total		50 ug/l	14		10	U	10	U	10	U	2570		10	U	4230	
Copper, Total		200 ug/l	4	J	10	U	10	U	10	U	91		10	U	92	J
Lead, Total		25 ug/l	10		10		6	J	6	J	89		5	J	68	J
Mercury, Total		0.7 ug/l	0.2	U	0.2	U	0.2	U	0.2	U	1	U	0.2	U	1	U
Nickel, Total		100 ug/l	8	J	25	U	7	J	25	U	1330		18	J	669	
Selenium, Total		10 ug/l	10	U	10	U	10	U	10	U	20	J	10	U	100	U
Silver, Total		50 ug/l	7	U	7	U	7	U	7	U	35	U	7	U	70	U
Thallium, Total		0.5 ug/l	20	U	20	U	20	U	20	U	100	U	20	U	200	U
Zinc, Total		2000 ug/l	49	J	18	J	13	J	22	J	142	J	44	J	208	J
Volatile Organics by GC/MS																
1,1,1-Trichloroethane		5 ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,1,2,2-Tetrachloroethane		5 ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane		1 ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethane		5 ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethene		5 ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene		3 ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane		0.6 ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
1,2-Dichloropropane		1 ug/l	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U
1,3-Dichlorobenzene		3 ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,4-Dichlorobenzene		3 ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Butanone		50 ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U
2-Chloroethylvinyl ether		ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U
2-Hexanone		50 ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U
4-Methyl-2-pentanone		ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Acetone		50 ug/l	10	U	10	U	10	U	10	U	8.1	J	10	U	10	U
Acrolein		5 ug/l	8	U	8	U	8	U	8	U	8	U	8	U	8	U
Acrylonitrile		5 ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Benzene		1 ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane		50 ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromoform		50 ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromomethane		5 ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbon disulfide		60 ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride		5 ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chlorobenzene		5 ug/l	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U
Chloroethane		5 ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Chloroform		7 ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloromethane		ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
cis-1,2-Dichloroethene		5 ug/l	1	U	140		3.5		1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene		0.4 ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
Dibromochloromethane		50 ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dibromomethane		5 ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Ethylbenzene		5 ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methylene chloride		5 ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
o-xylene		5 ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
p/m-Xylene		5 ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Styrene		5 ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Tetrachloroethene		5 ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Toluene		5 ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene		5 ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
trans-1,3-Dichloropropene		0.4 ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
Trichloroethene		5 ug/l	1	U	21		0.36	J	1	U	1	U	1	U	1	U
Trichlorofluoromethane		5 ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Vinyl acetate		ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Vinyl chloride		2 ug/l	1	U	5.4		0.98	J	1	U	1	U	61		1	U
Xylenes, Total		ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U

Standard, criteria or guidance (SCG) is the New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through dry - sample location was dry. No sample collected.

U - Not detected at the reported detection limit for the sample.

J- The analyte was positively identified-the associated numerical value is the approximate concentration of the

 - The standard, criteria or guidance value is below the the detection limit.

 - The Reported concentration exceeds the standard, criteria or guidance value.

**Table 4.**  
**Gas Vent Sampling Results**  
Town of Dewitt Landfill  
December 13, 2021

LOCATION				V-10		V-11		V-18		
SAMPLING DATE				12/13/2021		12/13/2021		12/13/2021		
	NY-SSC-A	NY-SSC-B	NY-SSC-C	Units	Results	Qual	Results	Qual	Results	Qual
Volatile Organics in Air										
1,1,1-Trichloroethane		100		ug/m3	7.8	U	13.6	U	10.9	U
1,1,2,2-Tetrachloroethane				ug/m3	9.82	U	17.2	U	13.7	U
1,1,2-Trichloroethane				ug/m3	7.8	U	13.6	U	10.9	U
1,1-Dichloroethane				ug/m3	5.79	U	10.1	U	18.7	
1,1-Dichloroethene	6			ug/m3	5.67	U	9.91	U	7.93	U
1,2,4-Trichlorobenzene				ug/m3	10.6	U	18.6	U	14.8	U
1,2,4-Trimethylbenzene				ug/m3	13.5		65.9		9.83	U
1,2-Dibromoethane				ug/m3	11	U	19.2	U	15.4	U
1,2-Dichlorobenzene				ug/m3	8.6	U	15	U	12	U
1,2-Dichloroethane				ug/m3	5.79	U	10.1	U	8.09	U
1,2-Dichloropropane				ug/m3	6.61	U	11.6	U	9.24	U
1,3,5-Trimethylbenzene				ug/m3	20.5		121		12.3	
1,3-Butadiene				ug/m3	3.16	U	5.53	U	4.42	U
1,3-Dichlorobenzene				ug/m3	8.6	U	15	U	12	U
1,4-Dichlorobenzene				ug/m3	58.7		121		20.4	
1,4-Dioxane				ug/m3	5.15	U	9.01	U	7.21	U
2,2,4-Trimethylpentane				ug/m3	1010		1460		1050	
2-Butanone				ug/m3	10.5	U	18.4	U	14.7	U
2-Hexanone				ug/m3	5.86	U	10.2	U	8.2	U
3-Chloropropene				ug/m3	4.48	U	7.83	U	6.26	U
4-Ethyltoluene				ug/m3	7.03	U	12.3	U	9.83	U
4-Methyl-2-pentanone				ug/m3	14.6	U	25.6	U	20.5	U
Acetone				ug/m3	601		439		118	
Benzene				ug/m3	15.5		34.5		26.4	
Benzyl chloride				ug/m3	7.4	U	12.9	U	10.4	U
Bromodichloromethane				ug/m3	9.58	U	16.7	U	13.4	U
Bromoform				ug/m3	14.8	U	25.8	U	20.7	U
Bromomethane				ug/m3	5.55	U	9.71	U	7.77	U
Carbon disulfide				ug/m3	24.7		27.6		6.23	U
Carbon tetrachloride	6			ug/m3	9	U	15.7	U	12.6	U
Chlorobenzene				ug/m3	6.59	U	11.5	U	9.21	U
Chloroethane				ug/m3	44.9		60.4		47.2	
Chloroform				ug/m3	6.98	U	15.9		9.77	U
Chloromethane				ug/m3	28.5		19.2		6.9	
cis-1,2-Dichloroethene	6			ug/m3	5.67	U	9.91	U	7.93	U
cis-1,3-Dichloropropene				ug/m3	6.49	U	11.3	U	9.08	U
Cyclohexane				ug/m3	637		737		695	
Dibromochloromethane				ug/m3	12.2	U	21.3	U	17	U
Dichlorodifluoromethane				ug/m3	325		227		249	
Ethanol				ug/m3	67.3	U	118	U	94.2	U
Ethyl Acetate				ug/m3	12.9	U	22.5	U	18	U
Ethylbenzene				ug/m3	87.3		302		63	
Freon-113				ug/m3	11	U	19.2	U	15.3	U
Freon-114				ug/m3	79		85.3		104	
Heptane				ug/m3	693		1070		840	
Hexachlorobutadiene				ug/m3	15.3	U	26.7	U	21.3	U
Isopropanol				ug/m3	40.8		23.4		20.3	
Methyl tert butyl ether				ug/m3	5.16	U	9.01	U	7.21	U
Methylene chloride		100		ug/m3	12.4	U	21.7	U	17.4	U
n-Hexane				ug/m3	2000		3100		2470	
o-Xylene				ug/m3	33.6		69.1		26.4	
p/m-Xylene				ug/m3	61.7		116		125	
Styrene				ug/m3	6.09	U	10.6	U	8.52	U
Tertiary butyl Alcohol				ug/m3	10.8	U	18.9	U	15.2	U
Tetrachloroethene		100		ug/m3	35.5		17	U	13.6	U
Tetrahydrofuran				ug/m3	96.4		29.5		14.7	U
Toluene				ug/m3	10.4		17.4		109	
trans-1,2-Dichloroethene				ug/m3	5.67	U	9.91	U	7.93	U
trans-1,3-Dichloropropene				ug/m3	6.49	U	11.3	U	9.08	U
Trichloroethene		6		ug/m3	7.69	U	13.4	U	10.7	U
Trichlorofluoromethane				ug/m3	523		489		11.2	U
Vinyl bromide				ug/m3	6.25	U	10.9	U	8.74	U
Vinyl chloride			6	ug/m3	62.1		22.3		42.7	


NY-SSC-A: New York DOH Matrix A Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.


NY-SSC-B: New York DOH Matrix B Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

NY-SSC-C: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

U - Not detected at the reported detection limit for the sample.

J- The analyte was positively identified-the associated numerical value is the approximate concentration of the analyte in the sample.

 - The standard, criteria or guidance value is below the the detection limit.

 - The Reported concentration exceeds the standard, criteria or guidance

## **APPENDICES**

**Appendix A**  
**Inspection and Maintenance Checklist**

Town of Dewitt Landfill  
Inspection and Maintenance Checklist

Date: 11/10/21

Inspector(s): Gerry Gold

Weather: m. Sunny 56°F Wind W -10-15mph

<u>Landfill Component</u>	<u>Photos</u>	<u>Observations/Comments</u>
<b>A. Security and Access</b>		
1. Gate(s) secure and locked	✓	new gate, double locked
2. Fencing in good repair (no burrows, holes, or bent posts and rails).	✓	good
<b>B. Access Road(s)</b>		
1. Crushed stone or blacktop in tact	✓	crushed stone is firm wet season has caused grass growth on stone
2. No ruts or washouts	✓	OK none
<b>C. Landfill Cap</b>		
1. Mowing status	✓	Recently mowed. Good grass length for winter
2. Erosion observations	✓	none
3. Settling, flat spots or depressions	✓	Slight depressions near some gas vents
4. Stressed vegetation, bare spots	✓	Some stressed vegetation due to ponding
5. Deep rooted, woody growth	-	no concerns
<b>D. Gas venting and/or collection</b>		
1. Vents upright and undamaged	✓	yes
2. Unobstructed openings	-	yes
3. Settlement and/or boot integrity	-	OK

Town of Dewitt Landfill  
Inspection and Maintenance Checklist

Date 11/10/21

E. Surface Water Control		
1. Swales, ditches and down chutes unobstructed	✓	yes
2. Culverts open and clear	✓	yes
3. Catch basins and manholes	—	—
F. Monitoring Locations		
1. Monitoring Wells locked, labeled and in tact	✓	poor accessibility in phragmites, tamper danger low
2. Surface water and/or leachate locations identifiable and accessible.	—	OK

**General Observations:**

Grass is healthy. Solar panels in good repair. Fence & perimeter road are good. Some wet/soft areas on cap due to above average rain fall.

Signed: Jewell S

**Corrective Actions**

Inspection Area No.	Solution	Person responsible
None		
Required		
	7	

**Appendix B**  
**Photographic Log**



## Photographic Log



**Photo 1. Fisher Road access gate facing south – November 2021.**



**Photo 2. Sothern access road facing SE at perimeter fence and Erie Canal. – November 2021**





**Photo 3. Gas vent V-22 clear of woody growth. – November 2021.**



**Photo 4. Surface run-off collection swale on south perimeter, viewing south toward canal. November 2021.**





**Photo 5. Well established grass, viewing W from east perimeter road. – November 2021.**



**Photo 6. Down chute on NW corner of landfill is open and clear. Solar panels in background. – November 2021.**





**Photo 7. Viewing NE at solar panel array. November 2021.**



**Photo 8. Viewing east at top of landfill and back side of solar array – November 2021.**



**Appendix C**  
**Field Data Sheets**

# FIELD OBSERVATIONS

Client: Town of Dewitt

Sample Point ID: SW-1

Facility: Town of Dewitt Landfill

Sample Matrix: SW

Field Personnel: \_\_\_\_\_

**SAMPLING INFORMATION:**

Date/Time: 3/18/21 1045

(Circle One)

Sampling Method: Dip Cup

Dedicated: YES NO

Diameter of Well: N/A

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): \_\_\_\_\_

Water Depth (from top of PVC): \_\_\_\_\_

Length of Water Column (LWC): \_\_\_\_\_

Purge Volume: LWC x ( ↓ ) x 3= \_\_\_\_\_

Volume Purged: N/A

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
1045	4.8	7.40	0.564	6.71	49.8	9.14

Weather conditions at time of sampling: Light Rain

COMMENTS & OBSERVATIONS: Water was clear with some solids / Had mild earthy smell

Date: 3/18/21

Signature: 

Company: Alpha Analytical

# FIELD OBSERVATIONS

Client: Town of Dewitt

Sample Point ID: SW-2

Facility: Town of Dewitt Landfill

Sample Matrix: SW

Field Personnel: \_\_\_\_\_

**SAMPLING INFORMATION:**

Date/Time: 3/18/21 1030

(Circle One)

Sampling Method: Dip Cup

Dedicated: YES NO

Diameter of Well: N/A

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): \_\_\_\_\_

Water Depth (from top of PVC): \_\_\_\_\_

Length of Water Column (LWC): \_\_\_\_\_

Purge Volume: LWC x (    ) x 3= \_\_\_\_\_

Volume Purged: N/A

↑  
See Multiplier to input based on Well Diameter

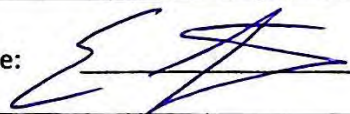
**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
	4.2	7.80	0.829	24.41	-0.4	6.16

Weather conditions at time of sampling: Light Rain

COMMENTS & OBSERVATIONS: Water had slight brown tint w/ some solids / No odor

Date: 3/18/21

Signature: 

Company: Alpha Analytical



# FIELD OBSERVATIONS

Client: Town of Dewitt

Sample Point ID: SW-3

Facility: Town of Dewitt Landfill

Sample Matrix: SW

Field Personnel: \_\_\_\_\_

**SAMPLING INFORMATION:**

Date/Time: 3/18/21 11:00

(Circle One)

Sampling Method: Dip Cup

Dedicated: YES NO

Diameter of Well: N/A

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): \_\_\_\_\_

Water Depth (from top of PVC): \_\_\_\_\_

Length of Water Column (LWC): \_\_\_\_\_

Purge Volume: LWC x ( ) x 3= \_\_\_\_\_

Volume Purged: N/A

↑  
See Multiplier to input based on Well Diameter

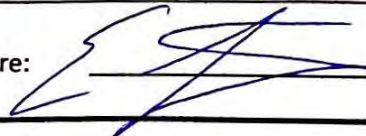
**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
11:00	2.2	7.31	0.762	153.90	55.0	9.43

Weather conditions at time of sampling: Light Rain

COMMENTS & OBSERVATIONS: Water was dark brown with solids  
Had strong musty odor

Date: 3/18/21

Signature: 

Company: Alpha Analytical



# FIELD OBSERVATIONS

Client: Town of Dewitt

Sample Point ID: SW-1

Facility: Town of Dewitt Landfill

Sample Matrix: SW

Field Personnel: ES

**SAMPLING INFORMATION:**

Date/Time: 5/26/21 / 0900

(Circle One)

Sampling Method: Dip Cup

Dedicated: YES  NO

Diameter of Well: N/A

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): \_\_\_\_\_

Water Depth (from top of PVC): \_\_\_\_\_

Length of Water Column (LWC): \_\_\_\_\_

Purge Volume: LWC x ( ) x 3= \_\_\_\_\_

Volume Purged: N/A

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
0900	17.9	6.63	2.134	61.01	-11.7	2.39

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: Water was turbid muddy brown color w/ earthy odor

Date: 5/26/21 Signature: [Signature] Company: Alpha Analytical

# FIELD OBSERVATIONS

Client: Town of Dewitt

Sample Point ID: SW-2

Facility: Town of Dewitt Landfill

Sample Matrix: SW

Field Personnel: ES/PF

**SAMPLING INFORMATION:**

Date/Time: 5/26/21 1450

(Circle One)

Sampling Method: Dip Cup

Dedicated: YES  NO

Diameter of Well: N/A

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): \_\_\_\_\_

Water Depth (from top of PVC): \_\_\_\_\_

Length of Water Column (LWC): \_\_\_\_\_

Purge Volume: LWC x ( ) x 3= \_\_\_\_\_

Volume Purged: \_\_\_\_\_

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
1450	25.2	7.28	0.569	461.10	-89.3	1.51

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: Water had slight orange tint  
no odor

Date: 5/26/21

Signature: 

Company: Alpha Analytical



# FIELD OBSERVATIONS

Client: Town of Dewitt

Sample Point ID: SW-3

Facility: Town of Dewitt Landfill

Sample Matrix: SW

Field Personnel: ES

**SAMPLING INFORMATION:**

Date/Time: 5/26/21 0920

(Circle One)

Sampling Method: Dip Cup

Dedicated: YES  NO

Diameter of Well: N/A

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): \_\_\_\_\_

Water Depth (from top of PVC): \_\_\_\_\_

Length of Water Column (LWC): \_\_\_\_\_

Purge Volume: LWC x ( ) x 3= \_\_\_\_\_

Volume Purged: N/A

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
0920	17.6	7.40	0.791	408.74	-161.8	0.78

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: Water was milky brown w/ mild earthy odor

Date: 5/26/21 Signature: [Signature] Company: Alpha Analytical

# FIELD OBSERVATIONS

Client: Town of Dewitt

Sample Point ID: SW-3

Facility: Town of Dewitt Landfill

Sample Matrix: SW

Field Personnel: ES / AF

**SAMPLING INFORMATION:**

Date/Time: 9/17/21

(Circle One)

Sampling Method: Dip Cup

Dedicated: YES  **NO**

Diameter of Well: N/A

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): \_\_\_\_\_

Water Depth (from top of PVC): \_\_\_\_\_

Length of Water Column (LWC): \_\_\_\_\_

Purge Volume: LWC x ( ) x 3= \_\_\_\_\_

Volume Purged: N/A

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
1045	22.86	7.50	0.635	431	-141	4.47

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: Water was milky brown / mild earthy odor

Date: 9/17/21

Signature: 

Company: Alpha Analytical

# FIELD OBSERVATIONS

Client: Town of Dewitt

Sample Point ID: SW-2

Facility: Town of Dewitt Landfill

Sample Matrix: SW

Field Personnel: ES/AF

**SAMPLING INFORMATION:**

Date/Time: 09/17/21

(Circle One)

Sampling Method: Dip Cup

Dedicated: YES  NO

Diameter of Well: N/A

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): \_\_\_\_\_

Water Depth (from top of PVC): \_\_\_\_\_

Length of Water Column (LWC): \_\_\_\_\_

Purge Volume: LWC x ( ) x 3= \_\_\_\_\_

Volume Purged: N/A

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
1005	19.83	7.49	1.09	<sup>ES</sup> <del>185</del> 252	-176	11.40

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: Water was milky brown w/ mild earthy odor. Horiba measured NTU @ 252 visual observation would suggest NTU is higher

Date: 9/17/21

Signature: 

Company: Alpha Analytical

# FIELD OBSERVATIONS

Client: Town of Dewitt

Sample Point ID: SW-1

Facility: Town of Dewitt Landfill

Sample Matrix: SW

Field Personnel: ES / AF

**SAMPLING INFORMATION:**

Date/Time: 9/17/21 1035

(Circle One)

Sampling Method: Dip Cp

Dedicated: YES NO

Diameter of Well: N/A

Well Depth (from top of PVC): \_\_\_\_\_

Water Depth (from top of PVC): \_\_\_\_\_

Length of Water Column (LWC): \_\_\_\_\_

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Purge Volume: LWC x ( ) x 3= \_\_\_\_\_

Volume Purged: N/A

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
1030	20.90	7.43	0.845	156	-91	10.02

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: Water was clear w/ solids No

odor

Date: 9/17/21

Signature: 

Company: Alpha Analytical

# FIELD OBSERVATIONS

Client: Town of Dewitt

Date: 12/13/21

Facility: Town of Dewitt Landfill

Field Personnel: Tom Webster, Amber Fleischman

Time	Location	%CH4	%CG(LEL)	%CO2	%O2	H2S(ppm)	CO(ppm)	ATM. Pres("Hg)	VEL ft/min
1425	Upwind	0.2		0.2	21.1	0	0	29.49	—
1350	V-9	39.9		28.1	4.1	1	1	29.49	22
1420	V-10	32.4		24.3	0.2	0	1	29.49	67 *
1415	V-11	38.6		26.2	0.5	0	2	29.49	66 *
1413	V-12	30.4		21.2	5.5	1	1	29.49	45
1400	V-18	40.349.1		27.5	1.8	0	1	29.49	87 * DUP
1407	V-3	54.9		28.5	1.1	1	2	29.48	42
	Downwind	0.2		0.2	20.6	0	0	29.48	—

Notes: \_\_\_\_\_

Monitoring Equipment: GEM 5000 Plus Veloci-Calc 9565-P



# FIELD OBSERVATIONS

Client: Town of Dewitt

Sample Point ID: SW-1

Facility: Town of Dewitt Landfill

Sample Matrix: SW

Field Personnel: \_\_\_\_\_

**SAMPLING INFORMATION:**

Date/Time: 12-13-21

(Circle One)

Sampling Method: Dipper

Dedicated: YES  NO

Diameter of Well: \_\_\_\_\_

Well Depth (from top of PVC): \_\_\_\_\_

Water Depth (from top of PVC): \_\_\_\_\_

Length of Water Column (LWC): \_\_\_\_\_

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Purge Volume: LWC x ( ) x 3= \_\_\_\_\_

Volume Purged: \_\_\_\_\_



See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
1520	7.8	8.01	1034	6.80	45.4	11.49

Weather conditions at time of sampling: clear

COMMENTS & OBSERVATIONS: \_\_\_\_\_

Date: 12-13-21 Signature: [Signature] Company: Alpha Analytical



# FIELD OBSERVATIONS

Client: Town of Dewitt

Sample Point ID: SW-2

Facility: Town of Dewitt Landfill

Sample Matrix: SW

Field Personnel: \_\_\_\_\_

**SAMPLING INFORMATION:**

Date/Time: 12-13-21

(Circle One)

Sampling Method: Dipper

Dedicated: YES  NO

Diameter of Well: \_\_\_\_\_

Well Depth (from top of PVC): \_\_\_\_\_

Water Depth (from top of PVC): \_\_\_\_\_

Length of Water Column (LWC): \_\_\_\_\_

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Purge Volume: LWC x (      ) x 3= \_\_\_\_\_

Volume Purged: \_\_\_\_\_

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
1510	50	7.38	1,250	13238	-1324	2.53

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: water was very low, & turbid

Date: 12-13-21

Signature: [Signature]

Company: Alpha Analytical

# FIELD OBSERVATIONS

Client: Town of Dewitt

Sample Point ID: SW-3

Facility: Town of Dewitt Landfill

Sample Matrix: SW

Field Personnel: \_\_\_\_\_

## SAMPLING INFORMATION:

Date/Time: 12-13-21

(Circle One)

Sampling Method: Dipper

Dedicated: YES  NO

Diameter of Well: \_\_\_\_\_

Well Depth (from top of PVC): \_\_\_\_\_

Water Depth (from top of PVC): \_\_\_\_\_

Length of Water Column (LWC): \_\_\_\_\_

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Purge Volume: LWC x ( ) x 3= \_\_\_\_\_

Volume Purged: \_\_\_\_\_

↑

See Multiplier to input based on Well Diameter

## SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
1545	3.5	7.28	920	149.86	-107.3	1.05

Weather conditions at time of sampling: \_\_\_\_\_

COMMENTS & OBSERVATIONS: very turbid w/ slight rotten egg

smell

Date: 12-13-21

Signature: 

Company: Alpha Analytical

# FIELD OBSERVATIONS

Client: Town of Dewitt Sample Point ID: MW-1S

Facility: Town of Dewitt Landfill Sample Matrix: GW

Field Personnel: Tom Webster

**SAMPLING INFORMATION:**

Date/Time: 12/13/21 11:5 (Circle One)

Sampling Method: Boiler Dedicated:  YES  NO

Diameter of Well: ~ 21.00 2.0

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): ~ 13.28 21.00

Water Depth (from top of PVC): ~ 7.72

Length of Water Column (LWC): 13.28

Purge Volume:  $LWC \times (2.16) \times 3 = \sim 6.5$  Volume Purged: 6.5

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
1125	11.3	7.16	1955	104.92	39.6	3.17

Weather conditions at time of sampling: clear

COMMENTS & OBSERVATIONS: Sample was turbid start to end of  
purge

Date: 12-13-21 Signature: [Signature] Company: Alpha Analytical

# FIELD OBSERVATIONS

Client: Town of Dewitt Sample Point ID: MW-2S

Facility: Town of Dewitt Landfill Sample Matrix: GW

Field Personnel: Ben Wagner

**SAMPLING INFORMATION:**

Date/Time: 12/13/21 1120 (Circle One)

Sampling Method: Bailer Dedicated:  YES  NO

Diameter of Well: 2"

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): 35.50

Water Depth (from top of PVC): 11.73

Length of Water Column (LWC): 23.77

Purge Volume:  $LWC \times (3.87) \times 3 =$  11.6 Volume Purged: ~11.6

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
1135	13.2	7.11	1897	36.1	-116.1	2.99

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: Water depth at time of sampling 11.74  
Slight tint @ end.

Date: 12/13/21 Signature: [Signature] Company: Alpha Analytical

# FIELD OBSERVATIONS

Client: Town of Dewitt Sample Point ID: MW-2D

Facility: Town of Dewitt Landfill Sample Matrix: GW

Field Personnel: Ben Wagner

**SAMPLING INFORMATION:**

Date/Time: 12/13/21 1100 (Circle One)

Sampling Method: Bailer Dedicated:  YES  NO

Diameter of Well: 2"

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): 52.60

Water Depth (from top of PVC): 10.82

Length of Water Column (LWC): 41.18

Purge Volume:  $LWC \times (6.71) \times 3 =$  20.14 Volume Purged: ~ 20

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
<u>11:00</u>	<u>12.2</u>	<u>7.12</u>	<u>2744</u>	<u>15.3</u>	<u>-107.4</u>	<u>4.94</u>

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: Water depth at time of sampling 11.75

Date: 12/13/21 Signature: [Signature] Company: Alpha Analytical

# FIELD OBSERVATIONS

Client: Town of Dewitt Sample Point ID: MW-35

Facility: Town of Dewitt Landfill Sample Matrix: GW

Field Personnel: Ben Wagner

**SAMPLING INFORMATION:**

Date/Time: 12/13/2021 1330<sup>TU</sup> 1215 (Circle One)

Sampling Method: Bailer Dedicated:  YES  NO

Diameter of Well: 2"

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): 35.6

Water Depth (from top of PVC): 2.74

Length of Water Column (LWC): 32.86

Purge Volume:  $LWC \times (5.36) \times 3 =$  ~16 Volume Purged: ~16

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
1330	9.5	7.10	3,062	442.4	16.7	3.76

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: At sampling time water depth 2.78  
very turbid start to finish

Date: 12/13/2021 Signature:  Company: Alpha Analytical

# FIELD OBSERVATIONS

Client: Town of Dewitt Sample Point ID: MW-4S

Facility: Town of Dewitt Landfill Sample Matrix: GW

Field Personnel: Tom Webster

**SAMPLING INFORMATION:**

Date/Time: 12/13/21 1252 (Circle One)

Sampling Method: Bailer Dedicated:  YES  NO

Diameter of Well: 2"

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): 20.00

Water Depth (from top of PVC): 1.32

Length of Water Column (LWC): 18.68

Purge Volume:  $LWC \times (3.64) \times 3 =$  9.13 Volume Purged: ~9.13

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
1307	8.4	7.01	3,372.0	53.10	-15.2	4.59

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: At time of sampling water depth

2.38. Clear to sl. tint

Date: 12/13/21 Signature:  Company: Alpha Analytical



# FIELD OBSERVATIONS

Client: Town of Dewitt Sample Point ID: MW-4D

Facility: Town of Dewitt Landfill Sample Matrix: GW

Field Personnel: Tom Webster/Amber Fleischman

**SAMPLING INFORMATION:**

Date/Time: 12/13/21 1255 (Circle One)

Sampling Method: Bailer Dedicated:  YES  NO

Diameter of Well: 2"

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): 35.3

Water Depth (from top of PVC): 0.89

Length of Water Column (LWC): 34.41

Purge Volume:  $LWC \times (5.6) \times 3 =$  16.8 Volume Purged: ~16.8

↑

See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
13 <sub>15</sub>	9.1	7.07	3,363	14.7	-8.9	5.50

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Date: 12/13/21 Signature: [Signature] Company: Alpha Analytical



## FIELD OBSERVATIONS

Client: Town of Dewitt Sample Point ID: MW-5S

Facility: Town of Dewitt Landfill Sample Matrix: GW

Field Personnel: Amber Fleischman

**SAMPLING INFORMATION:**

Date/Time: 12-20-21 1010 (Circle One)

Sampling Method: Bailer Dedicated:  YES  NO

Diameter of Well: 2"

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): 26.60

Water Depth (from top of PVC): 1.91

Length of Water Column (LWC): 24.69

Purge Volume:  $LWC \times (4.0) \times 3 =$  12.07 Volume Purged: 212

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
<u>1020</u>	<u>10.8</u>	<u>6.7</u>	<u>2575</u>	<u>6.85</u>	<u>45.6</u>	<u>3.37</u>

Weather conditions at time of sampling: clear

COMMENTS & OBSERVATIONS: water level after purge 1.87 ft

clear w/ no odor

Date: 12-20-21 Signature: [Signature] Company: Alpha Analytical

# FIELD OBSERVATIONS

Client: Town of Dewitt Sample Point ID: MW-5D

Facility: Town of Dewitt Landfill Sample Matrix: GW

Field Personnel: ES/AF

**SAMPLING INFORMATION:**

Date/Time: 12-20-21 1030 1015 (Circle One)

Sampling Method: Beaker Dedicated:  YES  NO

Diameter of Well: 2"

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): 4.5

Water Depth (from top of PVC): 1.30

Length of Water Column (LWC): 43.7

Purge Volume:  $LWC \times (0.163) \times 3 =$  ~ 21 Volume Purged: ~ 21

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
1030	11.1	6.92	3524	9.74	-13.2	4.71

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: water level @ sampling 2-84

water was clear w/ earthy rotten egg odor

Date: 12-20-21 Signature: [Signature] Company: Alpha Analytical

## FIELD OBSERVATIONS

Client: Town of Dewitt Sample Point ID: MW-6S

Facility: Town of Dewitt Landfill Sample Matrix: GW

Field Personnel: Tom Webster

**SAMPLING INFORMATION:**

Date/Time: 12/13/21 1141 (Circle One)

Sampling Method: Bailer Dedicated: YES NO

Diameter of Well: 2"

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): 21.70

Water Depth (from top of PVC): 3.55

Length of Water Column (LWC): 18.15

Purge Volume:  $LWC \times (2.95) \times 3 =$  8.88 Volume Purged: ~9

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
1155	9.8	7.09	1859	18.12	-72.3	3.02

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: Water depth at time of sampling 3.62  
turbid → Clear during purge

Date: 12/13/21 Signature: [Signature] Company: Alpha Analytical

## FIELD OBSERVATIONS

Client: Town of Dewitt Sample Point ID: MW-7S

Facility: Town of Dewitt Landfill Sample Matrix: GW

Field Personnel: TW, AF, BW

**SAMPLING INFORMATION:**

Date/Time: 12/13/21 9:25 (Circle One)

Sampling Method: Bailer Dedicated:  YES  NO

Diameter of Well: 2"

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): 22.40

Water Depth (from top of PVC): 9.62

Length of Water Column (LWC): 12.08

Purge Volume:  $LWC \times (2.08) \times 3 =$  6.25 Volume Purged: ~6.25

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
9:32	8.6	7.48	2,080	47.4	161.2	9.64

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: Water depth at time of sampling 10.32  
water was clear -> 8.1. tut

Date: 12/13/21 Signature:  Company: Alpha Analytical

# FIELD OBSERVATIONS

Client: Town of Dewitt

Sample Point ID: MW-8S

Facility: Town of Dewitt Landfill

Sample Matrix: GW

Field Personnel: Amber Fleischman

**SAMPLING INFORMATION:**

Date/Time: 12/13/21 1520

(Circle One)

Sampling Method: Bailer

Dedicated:  YES  NO

Diameter of Well: 2"

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): 29.2

Water Depth (from top of PVC): 0

Length of Water Column (LWC): 29.2

Purge Volume:  $LWC \times (4.75) \times 3 =$  14.23

Volume Purged: ~ 15

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
1535	6.1	7.26	1607	4.88	-56.7	3.59

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: Well continued to fully recharge during  
purge  
turbid → Clear during purge

Date: 12/13/21 Signature: Amber Fleischman Company: Alpha Analytical

# FIELD OBSERVATIONS

Client: Town of Dewitt Sample Point ID: MW-8D

Facility: Town of Dewitt Landfill Sample Matrix: GW

Field Personnel: Amber Fleischman

**SAMPLING INFORMATION:**

Date/Time: 12/13/21 1508 (Circle One)

Sampling Method: Bailer Dedicated:  YES  NO

Diameter of Well: 2"

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): 61.3

Water Depth (from top of PVC): 0

Length of Water Column (LWC): 61.3

Purge Volume:  $LWC \times (10) \times 3 =$  30 Volume Purged: 30

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
1520	6.1	7.09	2478	7.50	-26.3	3.83

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: Water depth did not drop during purge

Date: 12/13/21 Signature: Amber Fleischman Company: Alpha Analytical

# FIELD OBSERVATIONS

Client: Town of Dewitt Sample Point ID: MW-9S

Facility: Town of Dewitt Landfill Sample Matrix: GW

Field Personnel: Ben Wagner

**SAMPLING INFORMATION:**

Date/Time: 12/13/21 1445 (Circle One)

Sampling Method: Bailer Dedicated:  YES  NO

Diameter of Well: 2"

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): 12.4

Water Depth (from top of PVC): 1.20

Length of Water Column (LWC): 11.20

Purge Volume:  $LWC \times (1.83) \times 3 =$  5.5 Volume Purged: ~5.5

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
1455	10.0	7.42	3242	27.3	-71.2	5.47

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: Water depth at time of sampling 1.23

Date: 12/13/21 Signature: [Signature] Company: Alpha Analytical



# FIELD OBSERVATIONS

Client: Town of Dewitt Sample Point ID: MW-9M

Facility: Town of Dewitt Landfill Sample Matrix: GW

Field Personnel: Ben Wagner

**SAMPLING INFORMATION:**

Date/Time: 12/13/21 1510 (Circle One)

Sampling Method: Bailer Dedicated: YES NO

Diameter of Well: 2"

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): 38

Water Depth (from top of PVC): 1.45

Length of Water Column (LWC): 36.65

Purge Volume:  $LWC \times (5.96) \times 3 =$  17.88 Volume Purged: ~18


↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
<u>1525</u>	<u>9.6</u>	<u>7.35</u>	<u>1701</u>	<u>7.9</u>	<u>-64.0</u>	<u>6.37</u>

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: Water depth at sampling time 1.48

Date: 12/13/21 Signature:  Company: Alpha Analytical



## FIELD OBSERVATIONS

Client: Town of Dewitt Sample Point ID: MW-9D

Facility: Town of Dewitt Landfill Sample Matrix: GW

Field Personnel: Ben Wagner

**SAMPLING INFORMATION:**

Date/Time: 12/13/21 1430 (Circle One)

Sampling Method: Bailer Dedicated:  YES  NO

Diameter of Well: 2"

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): 55

Water Depth (from top of PVC): 44.60

Length of Water Column (LWC): 10.40

Purge Volume:  $LWC \times (1.70) \times 3 =$  5.1 Volume Purged: ~5.1

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
1440	10.2	6.97	21175.3	30.6	-49.6	2.30

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: Water depth at sampling time 44.64

Date: 12/13/21 Signature: [Signature] Company: Alpha Analytical

## FIELD OBSERVATIONS

Client: Town of Dewitt Sample Point ID: MW-10S

Facility: Town of Dewitt Landfill Sample Matrix: GW

Field Personnel: Ben Wagner

**SAMPLING INFORMATION:**

Date/Time: 12/13/21 0925 950 (Circle One)  
Dw

Sampling Method: Bailer Dedicated: YES NO

Diameter of Well: 2"

Well Depth (from top of PVC): 20.6

Water Depth (from top of PVC): 9.47

Length of Water Column (LWC): 10.13

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Purge Volume:  $LWC \times (1.81) \times 3 =$  5.4 Volume Purged: ~5.5

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
<u>1015</u> <del>0940</del> <small>Dw</small>	<u>10.7</u>	<u>7.26</u>	<u>1653</u>	<u>22.94</u>	<u>-73.9</u>	<u>3.80</u>

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: Water depth at sampling time 10.35

Date: 12/13/21 Signature: [Signature] Company: Alpha Analytical

# FIELD OBSERVATIONS

Client: Town of Dewitt Sample Point ID: MW-11D

Facility: Town of Dewitt Landfill Sample Matrix: GW

Field Personnel: Tom Webster/Amber Fleischman

**SAMPLING INFORMATION:**

Date/Time: 12/13/21 1050 (Circle One)

Sampling Method: Bailer Dedicated: YES NO

Diameter of Well: 2"

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): 39

Water Depth (from top of PVC): 29.65

Length of Water Column (LWC): 9.35

Purge Volume:  $LWC \times (1.52) \times 3 =$  4.56 Volume Purged: ~5

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
1105	12.4	7.43	1539	147.2	47.1	8.08

Weather conditions at time of sampling: Clear

COMMENTS & OBSERVATIONS: Started Sl. Brown ended Sl. Brown  
Very turbid

Date: 12/13/21 Signature: Amber Fleischman Company: Alpha Analytical

# FIELD OBSERVATIONS

Client: Town of Dewitt Sample Point ID: MW-12S

Facility: Town of Dewitt Landfill Sample Matrix: GW

Field Personnel: Amber Fleischman

**SAMPLING INFORMATION:**

Date/Time: 12/13/21 0950 (Circle One)

Sampling Method: Bailer Dedicated: YES NO

Diameter of Well: 2"

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Well Depth (from top of PVC): 23.00

Water Depth (from top of PVC): 3.45

Length of Water Column (LWC): 3.19

Purge Volume:  $LWC \times (19.5) \times 3 =$  9.57 Volume Purged: ~10

↑  
See Multiplier to input based on Well Diameter

**SAMPLING DATA:**

Time	Temp. (°C)	pH (std units)	Cond. (Umhos/cm)	Turbidity (NTU)	ORP (Mv)	DO (mg/L)
10:10	12.2	7.38	1833	338.5	-139.5	1.47

Weather conditions at time of sampling: \_\_\_\_\_

COMMENTS & OBSERVATIONS: Started black with a rotten egg smell  
Slightly cleared up with purge

Date: 12/13/21 Signature: Amber Fleischman Company: Alpha Analytical

## **Appendix D**

### **Laboratory Reports**

- March 2021 - Surface water sampling – Alpha Analytical: Analytical Report Lab Job No: 2113476.
- May 2021 - Surface water sampling – Alpha Analytical: Analytical Report Lab Job No: 2128157.
- September 2021 - Surface water sampling – Alpha Analytical: Analytical Report Lab Job No: 2150350.
- December 2021 - Surface water and Groundwater sampling – Alpha Analytical: Analytical Report Lab Job No: 2168577 and 2169992.
- December 2021 – Gas Vent Sampling – Alpha Analytical: Analytical Report Lab Job No: 2168549.





## ANALYTICAL REPORT

Lab Number:	L2113476
Client:	Town of Dewitt 5400 Butternut Drive East Syracuse, NY 13057
ATTN:	Kerri Fusco
Phone:	(315) 446-3392
Project Name:	T. OF DEWITT LANDFILL MONITORI
Project Number:	1128-2020-SW
Report Date:	03/25/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

---

Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2113476-01	SW-1	WATER	FISHER RD, EAST SYRACUSE	03/18/21 10:45	03/18/21
L2113476-02	SW-2	WATER	FISHER RD, EAST SYRACUSE	03/18/21 10:30	03/18/21
L2113476-03	SW-3	WATER	FISHER RD, EAST SYRACUSE	03/18/21 11:00	03/18/21
L2113476-04	TRIP BLANK	WATER	FISHER RD, EAST SYRACUSE	03/18/21 00:00	03/18/21

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

---

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

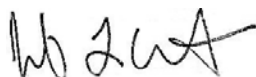
**Case Narrative (continued)**

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Jennifer L Clements

Title: Technical Director/Representative

Date: 03/25/21

# ORGANICS



# VOLATILES

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2113476-01  
 Client ID: SW-1  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 03/18/21 10:45  
 Date Received: 03/18/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 03/19/21 18:17  
 Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2113476-01  
 Client ID: SW-1  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 03/18/21 10:45  
 Date Received: 03/18/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	106		60-140
Fluorobenzene	106		60-140
4-Bromofluorobenzene	96		60-140

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2113476-02  
 Client ID: SW-2  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 03/18/21 10:30  
 Date Received: 03/18/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 03/19/21 18:48  
 Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2113476-02  
 Client ID: SW-2  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 03/18/21 10:30  
 Date Received: 03/18/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	101		60-140
Fluorobenzene	102		60-140
4-Bromofluorobenzene	97		60-140



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2113476-03  
 Client ID: SW-3  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 03/18/21 11:00  
 Date Received: 03/18/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 03/19/21 19:20  
 Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2113476-03  
 Client ID: SW-3  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 03/18/21 11:00  
 Date Received: 03/18/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	105		60-140
Fluorobenzene	106		60-140
4-Bromofluorobenzene	94		60-140

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2113476-04  
 Client ID: TRIP BLANK  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 03/18/21 00:00  
 Date Received: 03/18/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 03/19/21 19:52  
 Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2113476-04  
 Client ID: TRIP BLANK  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 03/18/21 00:00  
 Date Received: 03/18/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	2.7	J	ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	106		60-140
Fluorobenzene	107		60-140
4-Bromofluorobenzene	94		60-140

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 128,624.1  
Analytical Date: 03/19/21 16:24  
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1478233-4					
Methylene chloride	ND		ug/l	1.0	0.56
1,1-Dichloroethane	ND		ug/l	1.5	0.40
Chloroform	ND		ug/l	1.0	0.38
Carbon tetrachloride	ND		ug/l	1.0	0.24
1,2-Dichloropropane	ND		ug/l	3.5	0.46
Dibromochloromethane	ND		ug/l	1.0	0.27
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.35
Tetrachloroethene	ND		ug/l	1.0	0.26
Chlorobenzene	ND		ug/l	3.5	0.30
Trichlorofluoromethane	ND		ug/l	5.0	0.28
1,2-Dichloroethane	ND		ug/l	1.5	0.47
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29
Bromodichloromethane	ND		ug/l	1.0	0.28
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34
Bromoform	ND		ug/l	1.0	0.22
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20
Benzene	ND		ug/l	1.0	0.38
Toluene	ND		ug/l	1.0	0.31
Ethylbenzene	ND		ug/l	1.0	0.28
Chloromethane	ND		ug/l	5.0	1.0
Bromomethane	ND		ug/l	5.0	1.2
Vinyl chloride	ND		ug/l	1.0	0.38
Chloroethane	ND		ug/l	2.0	0.37
1,1-Dichloroethene	ND		ug/l	1.0	0.31
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17
Trichloroethene	ND		ug/l	1.0	0.33



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 128,624.1  
Analytical Date: 03/19/21 16:24  
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1478233-4					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	ND		ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	ND		ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	0.64	J	ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	ND		ug/l	1.0	0.23

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	100		60-140
Fluorobenzene	100		60-140
4-Bromofluorobenzene	99		60-140

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI

**Lab Number:** L2113476

**Project Number:** 1128-2020-SW

**Report Date:** 03/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1478233-3								
Methylene chloride	120		-		60-140	-		28
1,1-Dichloroethane	100		-		50-150	-		49
Chloroform	110		-		70-135	-		54
Carbon tetrachloride	120		-		70-130	-		41
1,2-Dichloropropane	105		-		35-165	-		55
Dibromochloromethane	110		-		70-135	-		50
1,1,2-Trichloroethane	110		-		70-130	-		45
2-Chloroethylvinyl ether	70		-		1-225	-		71
Tetrachloroethene	120		-		70-130	-		39
Chlorobenzene	90		-		65-135	-		53
Trichlorofluoromethane	130		-		50-150	-		84
1,2-Dichloroethane	125		-		70-130	-		49
1,1,1-Trichloroethane	115		-		70-130	-		36
Bromodichloromethane	120		-		65-135	-		56
trans-1,3-Dichloropropene	105		-		50-150	-		86
cis-1,3-Dichloropropene	110		-		25-175	-		58
Bromoform	95		-		70-130	-		42
1,1,1,2-Tetrachloroethane	110		-		60-140	-		61
Benzene	100		-		65-135	-		61
Toluene	115		-		70-130	-		41
Ethylbenzene	105		-		60-140	-		63
Chloromethane	90		-		1-205	-		60
Bromomethane	90		-		15-185	-		61

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI

**Lab Number:** L2113476

**Project Number:** 1128-2020-SW

**Report Date:** 03/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1478233-3								
Vinyl chloride	100		-		5-195	-		66
Chloroethane	115		-		40-160	-		78
1,1-Dichloroethene	110		-		50-150	-		32
trans-1,2-Dichloroethene	100		-		70-130	-		45
cis-1,2-Dichloroethene	105		-		60-140	-		30
Trichloroethene	100		-		65-135	-		48
1,2-Dichlorobenzene	100		-		65-135	-		57
1,3-Dichlorobenzene	100		-		70-130	-		43
1,4-Dichlorobenzene	100		-		65-135	-		57
p/m-Xylene	100		-		60-140	-		30
o-xylene	95		-		60-140	-		30
Styrene	95		-		60-140	-		30
Acetone	110		-		40-160	-		30
Carbon disulfide	95		-		60-140	-		30
2-Butanone	108		-		60-140	-		30
Vinyl acetate	125		-		60-140	-		30
4-Methyl-2-pentanone	112		-		60-140	-		30
2-Hexanone	112		-		60-140	-		30
Acrolein	125		-		60-140	-		30
Acrylonitrile	105		-		60-140	-		60
Dibromomethane	100		-		70-130	-		30

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
-----------	-------------------------	-------------	--------------------------	-------------	----------------------------	------------	-------------	----------------------

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1478233-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
Pentafluorobenzene	100				60-140
Fluorobenzene	97				60-140
4-Bromofluorobenzene	97				60-140

## METALS



**Project Name:** T. OF DEWITT LANDFILL MONITORI**Lab Number:** L2113476**Project Number:** 1128-2020-SW**Report Date:** 03/25/21**SAMPLE RESULTS**

Lab ID: L2113476-01

Date Collected: 03/18/21 10:45

Client ID: SW-1

Date Received: 03/18/21

Sample Location: FISHER RD, EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.050	0.007	1	03/24/21 08:01	03/25/21 18:06	EPA 3005A	19,200.7	SV
Arsenic, Total	ND		mg/l	0.005	0.002	1	03/24/21 08:01	03/25/21 18:23	EPA 3005A	19,200.7	BV
Beryllium, Total	ND		mg/l	0.005	0.001	1	03/24/21 08:01	03/25/21 18:23	EPA 3005A	19,200.7	BV
Cadmium, Total	ND		mg/l	0.005	0.001	1	03/24/21 08:01	03/25/21 18:23	EPA 3005A	19,200.7	BV
Chromium, Total	ND		mg/l	0.010	0.002	1	03/24/21 08:01	03/25/21 18:23	EPA 3005A	19,200.7	BV
Copper, Total	0.006	J	mg/l	0.010	0.002	1	03/24/21 08:01	03/25/21 18:23	EPA 3005A	19,200.7	BV
Lead, Total	ND		mg/l	0.010	0.003	1	03/24/21 08:01	03/25/21 18:23	EPA 3005A	19,200.7	BV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/24/21 09:18	03/25/21 14:42	EPA 245.1	3,245.1	EW
Nickel, Total	ND		mg/l	0.025	0.002	1	03/24/21 08:01	03/25/21 18:23	EPA 3005A	19,200.7	BV
Selenium, Total	ND		mg/l	0.010	0.004	1	03/24/21 08:01	03/25/21 18:23	EPA 3005A	19,200.7	BV
Silver, Total	ND		mg/l	0.007	0.003	1	03/24/21 08:01	03/25/21 18:23	EPA 3005A	19,200.7	BV
Thallium, Total	ND		mg/l	0.020	0.003	1	03/24/21 08:01	03/25/21 18:23	EPA 3005A	19,200.7	BV
Zinc, Total	0.038	J	mg/l	0.050	0.002	1	03/24/21 08:01	03/25/21 18:23	EPA 3005A	19,200.7	BV



**Project Name:** T. OF DEWITT LANDFILL MONITORI**Lab Number:** L2113476**Project Number:** 1128-2020-SW**Report Date:** 03/25/21**SAMPLE RESULTS**

Lab ID: L2113476-02

Date Collected: 03/18/21 10:30

Client ID: SW-2

Date Received: 03/18/21

Sample Location: FISHER RD, EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.050	0.007	1	03/24/21 08:01	03/25/21 18:10	EPA 3005A	19,200.7	SV
Arsenic, Total	0.002	J	mg/l	0.005	0.002	1	03/24/21 08:01	03/25/21 18:28	EPA 3005A	19,200.7	BV
Beryllium, Total	ND		mg/l	0.005	0.001	1	03/24/21 08:01	03/25/21 18:28	EPA 3005A	19,200.7	BV
Cadmium, Total	ND		mg/l	0.005	0.001	1	03/24/21 08:01	03/25/21 18:28	EPA 3005A	19,200.7	BV
Chromium, Total	ND		mg/l	0.010	0.002	1	03/24/21 08:01	03/25/21 18:28	EPA 3005A	19,200.7	BV
Copper, Total	0.004	J	mg/l	0.010	0.002	1	03/24/21 08:01	03/25/21 18:28	EPA 3005A	19,200.7	BV
Lead, Total	ND		mg/l	0.010	0.003	1	03/24/21 08:01	03/25/21 18:28	EPA 3005A	19,200.7	BV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/24/21 09:18	03/25/21 14:45	EPA 245.1	3,245.1	EW
Nickel, Total	0.005	J	mg/l	0.025	0.002	1	03/24/21 08:01	03/25/21 18:28	EPA 3005A	19,200.7	BV
Selenium, Total	ND		mg/l	0.010	0.004	1	03/24/21 08:01	03/25/21 18:28	EPA 3005A	19,200.7	BV
Silver, Total	ND		mg/l	0.007	0.003	1	03/24/21 08:01	03/25/21 18:28	EPA 3005A	19,200.7	BV
Thallium, Total	0.004	J	mg/l	0.020	0.003	1	03/24/21 08:01	03/25/21 18:28	EPA 3005A	19,200.7	BV
Zinc, Total	0.025	J	mg/l	0.050	0.002	1	03/24/21 08:01	03/25/21 18:28	EPA 3005A	19,200.7	BV



**Project Name:** T. OF DEWITT LANDFILL MONITORI**Lab Number:** L2113476**Project Number:** 1128-2020-SW**Report Date:** 03/25/21**SAMPLE RESULTS**

Lab ID: L2113476-03

Date Collected: 03/18/21 11:00

Client ID: SW-3

Date Received: 03/18/21

Sample Location: FISHER RD, EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.050	0.007	1	03/24/21 08:01	03/25/21 18:15	EPA 3005A	19,200.7	SV
Arsenic, Total	0.002	J	mg/l	0.005	0.002	1	03/24/21 08:01	03/25/21 18:33	EPA 3005A	19,200.7	BV
Beryllium, Total	ND		mg/l	0.005	0.001	1	03/24/21 08:01	03/25/21 18:33	EPA 3005A	19,200.7	BV
Cadmium, Total	ND		mg/l	0.005	0.001	1	03/24/21 08:01	03/25/21 18:33	EPA 3005A	19,200.7	BV
Chromium, Total	ND		mg/l	0.010	0.002	1	03/24/21 08:01	03/25/21 18:33	EPA 3005A	19,200.7	BV
Copper, Total	0.010		mg/l	0.010	0.002	1	03/24/21 08:01	03/25/21 18:33	EPA 3005A	19,200.7	BV
Lead, Total	0.006	J	mg/l	0.010	0.003	1	03/24/21 08:01	03/25/21 18:33	EPA 3005A	19,200.7	BV
Mercury, Total	0.00012	J	mg/l	0.00020	0.00009	1	03/24/21 09:18	03/25/21 14:48	EPA 245.1	3,245.1	EW
Nickel, Total	0.006	J	mg/l	0.025	0.002	1	03/24/21 08:01	03/25/21 18:33	EPA 3005A	19,200.7	BV
Selenium, Total	0.006	J	mg/l	0.010	0.004	1	03/24/21 08:01	03/25/21 18:33	EPA 3005A	19,200.7	BV
Silver, Total	ND		mg/l	0.007	0.003	1	03/24/21 08:01	03/25/21 18:33	EPA 3005A	19,200.7	BV
Thallium, Total	ND		mg/l	0.020	0.003	1	03/24/21 08:01	03/25/21 18:33	EPA 3005A	19,200.7	BV
Zinc, Total	0.038	J	mg/l	0.050	0.002	1	03/24/21 08:01	03/25/21 18:33	EPA 3005A	19,200.7	BV



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1477710-1									
Antimony, Total	ND	mg/l	0.050	0.007	1	03/24/21 08:01	03/25/21 15:10	19,200.7	SV
Arsenic, Total	ND	mg/l	0.005	0.002	1	03/24/21 08:01	03/25/21 15:10	19,200.7	SV
Beryllium, Total	ND	mg/l	0.005	0.001	1	03/24/21 08:01	03/25/21 15:10	19,200.7	SV
Chromium, Total	ND	mg/l	0.010	0.002	1	03/24/21 08:01	03/25/21 15:10	19,200.7	SV
Copper, Total	ND	mg/l	0.010	0.002	1	03/24/21 08:01	03/25/21 15:10	19,200.7	SV
Lead, Total	ND	mg/l	0.010	0.003	1	03/24/21 08:01	03/25/21 15:10	19,200.7	SV
Nickel, Total	ND	mg/l	0.025	0.002	1	03/24/21 08:01	03/25/21 15:10	19,200.7	SV
Silver, Total	ND	mg/l	0.007	0.003	1	03/24/21 08:01	03/25/21 15:10	19,200.7	SV
Thallium, Total	ND	mg/l	0.020	0.003	1	03/24/21 08:01	03/25/21 15:10	19,200.7	SV
Zinc, Total	ND	mg/l	0.050	0.002	1	03/24/21 08:01	03/25/21 15:10	19,200.7	SV

### Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1477713-1									
Mercury, Total	ND	mg/l	0.00020	0.00009	1	03/24/21 09:18	03/25/21 14:15	3,245.1	EW

### Prep Information

Digestion Method: EPA 245.1

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1477710-2								
Antimony, Total	100		-		85-115	-		
Arsenic, Total	105		-		85-115	-		
Beryllium, Total	100		-		85-115	-		
Chromium, Total	100		-		85-115	-		
Copper, Total	101		-		85-115	-		
Lead, Total	100		-		85-115	-		
Nickel, Total	96		-		85-115	-		
Silver, Total	98		-		85-115	-		
Thallium, Total	102		-		85-115	-		
Zinc, Total	105		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1477713-2								
Mercury, Total	90		-		85-115	-		



**Matrix Spike Analysis**  
Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03    QC Batch ID: WG1477710-3    QC Sample: L2113734-01    Client ID: MS Sample												
Antimony, Total	ND	0.5	0.510	102		-	-		75-125	-		20
Arsenic, Total	ND	0.12	0.132	110		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.052	103		-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.055	108		-	-		75-125	-		20
Chromium, Total	0.004J	0.2	0.207	104		-	-		75-125	-		20
Copper, Total	0.007J	0.25	0.266	106		-	-		75-125	-		20
Lead, Total	0.010	0.51	0.524	101		-	-		75-125	-		20
Nickel, Total	0.002J	0.5	0.489	98		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.126	105		-	-		75-125	-		20
Silver, Total	ND	0.05	0.050	99		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.122	102		-	-		75-125	-		20
Zinc, Total	0.025J	0.5	0.560	112		-	-		75-125	-		20

**Matrix Spike Analysis**  
Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03    QC Batch ID: WG1477710-7    QC Sample: L2113734-02    Client ID: MS Sample									
Antimony, Total	0.012J	0.5	0.527	105	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.130	108	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.052	103	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.055	108	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.204	102	-	-	75-125	-	20
Copper, Total	ND	0.25	0.262	105	-	-	75-125	-	20
Lead, Total	ND	0.51	0.522	102	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.491	98	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.125	104	-	-	75-125	-	20
Silver, Total	ND	0.05	0.050	100	-	-	75-125	-	20
Thallium, Total	0.003J	0.12	0.125	104	-	-	75-125	-	20
Zinc, Total	0.008J	0.5	0.544	109	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-03    QC Batch ID: WG1477713-3    QC Sample: L2113151-02    Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00523	105	-	-	70-130	-	20

## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** T. OF DEWITT LANDFILL MONITORI

**Project Number:** 1128-2020-SW

**Lab Number:** L2113476

**Report Date:** 03/25/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1477713-4 QC Sample: L2113151-02 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

# **INORGANICS & MISCELLANEOUS**

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2113476-01  
**Client ID:** SW-1  
**Sample Location:** FISHER RD, EAST SYRACUSE

**Date Collected:** 03/18/21 10:45  
**Date Received:** 03/18/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	430		mg/l	10	3.1	1	-	03/24/21 09:20	121,2540C	DW



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2113476-02  
**Client ID:** SW-2  
**Sample Location:** FISHER RD, EAST SYRACUSE

**Date Collected:** 03/18/21 10:30  
**Date Received:** 03/18/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	490		mg/l	10	3.1	1	-	03/24/21 09:20	121,2540C	DW





**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2113476-03  
**Client ID:** SW-3  
**Sample Location:** FISHER RD, EAST SYRACUSE

**Date Collected:** 03/18/21 11:00  
**Date Received:** 03/18/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	410		mg/l	10	3.1	1	-	03/24/21 09:20	121,2540C	DW



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

**Method Blank Analysis**  
**Batch Quality Control**

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1478021-1									
Solids, Total Dissolved	ND	mg/l	10	3.1	1	-	03/24/21 09:20	121,2540C	DW

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** T. OF DEWITT LANDFILL MONITORI**Lab Number:** L2113476**Project Number:** 1128-2020-SW**Report Date:** 03/25/21

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1478021-2								
Solids, Total Dissolved	96		-		80-120	-		

## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** T. OF DEWITT LANDFILL MONITORI

**Project Number:** 1128-2020-SW

**Lab Number:** L2113476

**Report Date:** 03/25/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1478021-3 QC Sample: L2113476-01 Client ID: SW-1						
Solids, Total Dissolved	430	440	mg/l	2		10

**Project Name:** T. OF DEWITT LANDFILL MONITORI**Lab Number:** L2113476**Project Number:** 1128-2020-SW**Report Date:** 03/25/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
A	Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2113476-01A	Vial Na2S2O3 preserved	A	NA		3.4	Y	Absent		624.1(3)
L2113476-01B	Vial Na2S2O3 preserved	A	NA		3.4	Y	Absent		624.1(3)
L2113476-01C	Vial Na2S2O3 preserved	A	NA		3.4	Y	Absent		624.1(3)
L2113476-01D	Plastic 250ml unpreserved	A	7	7	3.4	Y	Absent		TDS-2540(7)
L2113476-01E	Plastic 250ml HNO3 preserved	A	<2	<2	3.4	Y	Absent		NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),CR-UI(180),BE-UI(180),AS-UI(180),PB-UI(180),CU-UI(180),TL-UI(180)
L2113476-02A	Vial Na2S2O3 preserved	A	NA		3.4	Y	Absent		624.1(3)
L2113476-02B	Vial Na2S2O3 preserved	A	NA		3.4	Y	Absent		624.1(3)
L2113476-02C	Vial Na2S2O3 preserved	A	NA		3.4	Y	Absent		624.1(3)
L2113476-02D	Plastic 250ml unpreserved	A	7	7	3.4	Y	Absent		TDS-2540(7)
L2113476-02E	Plastic 250ml HNO3 preserved	A	<2	<2	3.4	Y	Absent		NI-UI(180),SB-UI(180),ZN-UI(180),AG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),CR-UI(180),BE-UI(180),TL-UI(180),AS-UI(180),PB-UI(180),CU-UI(180)
L2113476-03A	Vial Na2S2O3 preserved	A	NA		3.4	Y	Absent		624.1(3)
L2113476-03B	Vial Na2S2O3 preserved	A	NA		3.4	Y	Absent		624.1(3)
L2113476-03C	Vial Na2S2O3 preserved	A	NA		3.4	Y	Absent		624.1(3)
L2113476-03D	Plastic 250ml unpreserved	A	7	7	3.4	Y	Absent		TDS-2540(7)
L2113476-03E	Plastic 250ml HNO3 preserved	A	<2	<2	3.4	Y	Absent		SB-UI(180),NI-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),AS-UI(180),TL-UI(180),CU-UI(180),PB-UI(180)
L2113476-04A	Vial Na2S2O3 preserved	A	NA		3.4	Y	Absent		624.1(3)
L2113476-04B	Vial Na2S2O3 preserved	A	NA		3.4	Y	Absent		624.1(3)

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers





**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

**Data Qualifiers**

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2113476  
**Report Date:** 03/25/21

## REFERENCES

- 3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.
- 19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

---

The following analytes are not included in our Primary NELAP Scope of Accreditation:

**Westborough Facility**

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

**Mansfield Facility**

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

---

The following analytes are included in our Massachusetts DEP Scope of Accreditation

**Westborough Facility:**

**Drinking Water**

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

**Non-Potable Water**

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

**Mansfield Facility:**

**Drinking Water**

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

**Non-Potable Water**

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.


**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

---

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

	<b>NEW YORK CHAIN OF CUSTODY</b>	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1 of 1	Date Rec'd in Lab <i>3/19/21</i>	ALPHA Job # <i>12113476</i>																																																																																																					
	Westborough, MA 01581 6 Walkup Dr. TEL: 508-898-8220 FAX: 508-898-9193	Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288																																																																																																								
<b>Client Information</b> Client: T. of Dewitt c/o Kerrie Fusco Address: 5400 Butternut Drive East Syracuse, NY 13057 Phone: (315) 569-2144 cell Fax: Email: ggould@gouldgw.com		<b>Project Information</b> Project Name: T. of Dewitt Landfill Monitoring Project Location: Fisher Rd, East Syracuse Project # 1128-2021-SW (Use Project name as Project #) <input type="checkbox"/>		<b>Deliverables</b> <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQUS (1 File) <input type="checkbox"/> EQUS (4 File) <input type="checkbox"/> Other																																																																																																						
Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		<b>Regulatory Requirement</b> <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		<b>Billing Information</b> <input checked="" type="checkbox"/> Same as Client Info PO #																																																																																																						
These samples have been previously analyzed by Alpha <input type="checkbox"/>		<b>ANALYSIS</b>		<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other.																																																																																																						
Other project specific requirements/comments: Client Code: DEWITT		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:5%;"></td> <td style="width:5%;">624.1</td> <td style="width:5%;">PP Metals</td> <td style="width:5%;">TDS</td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> </tr> </table>			624.1	PP Metals	TDS															<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <b>Preservation</b> <input type="checkbox"/> Lab to do (Please Specify below)																																																																																				
	624.1			PP Metals	TDS																																																																																																					
Please specify Metals or TAL.		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td><i>12476-01</i></td> <td>SW-1</td> <td><i>3/18/21</i></td> <td><i>1045</i></td> <td>SW</td> <td><i>ES</i></td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>-02</i></td> <td>SW-2</td> <td><i>3/18/21</i></td> <td><i>1030</i></td> <td>SW</td> <td><i>ES</i></td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>-03</i></td> <td>SW-3</td> <td><i>3/18/21</i></td> <td><i>1100</i></td> <td>SW</td> <td><i>ES</i></td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>-04</i></td> <td>TRIP BLANK</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">2</td> </tr> </tbody> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials														Date	Time	<i>12476-01</i>	SW-1	<i>3/18/21</i>	<i>1045</i>	SW	<i>ES</i>	X	X	X											5	<i>-02</i>	SW-2	<i>3/18/21</i>	<i>1030</i>	SW	<i>ES</i>	X	X	X											5	<i>-03</i>	SW-3	<i>3/18/21</i>	<i>1100</i>	SW	<i>ES</i>	X	X	X											5	<i>-04</i>	TRIP BLANK					X													2	<b>Sample Specific Comments</b>	
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection				Sample Matrix	Sampler's Initials																																																																																																			
		Date	Time																																																																																																							
<i>12476-01</i>	SW-1	<i>3/18/21</i>	<i>1045</i>	SW	<i>ES</i>	X	X	X											5																																																																																							
<i>-02</i>	SW-2	<i>3/18/21</i>	<i>1030</i>	SW	<i>ES</i>	X	X	X											5																																																																																							
<i>-03</i>	SW-3	<i>3/18/21</i>	<i>1100</i>	SW	<i>ES</i>	X	X	X											5																																																																																							
<i>-04</i>	TRIP BLANK					X													2																																																																																							
Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015																																																																																																						
		Container Type V    P    P		Preservative H    C    A																																																																																																						
		Relinquished By: <i>[Signature]</i>		Date/Time: <i>3/18/21 1400</i>																																																																																																						
		Received By: <i>[Signature]</i>		Date/Time: <i>3/19/21 0030</i>																																																																																																						
Form No: 01-25 (rev. 30-Sept-2013)				Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.																																																																																																						



## ANALYTICAL REPORT

Lab Number:	L2128157
Client:	Town of Dewitt 5400 Butternut Drive East Syracuse, NY 13057
ATTN:	Kerri Fusco
Phone:	(315) 446-3392
Project Name:	T. OF DEWITT LANDFILL MONITORI
Project Number:	1128-2020-SW
Report Date:	06/15/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

---

Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2128157-01	SW-1	WATER	FISHER RD, EAST SYRACUSE	05/26/21 09:00	05/26/21
L2128157-02	SW-2	WATER	FISHER RD, EAST SYRACUSE	05/26/21 14:50	05/26/21
L2128157-03	SW-3	WATER	FISHER RD, EAST SYRACUSE	05/26/21 09:20	05/26/21
L2128157-04	TRIP BLANK	WATER	FISHER RD, EAST SYRACUSE	05/26/21 00:00	05/26/21



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

---

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Sample Receipt

L2128157-03: The sample was received above the appropriate pH for the Total Metals analysis. The laboratory added additional HNO<sub>3</sub> to a pH <2.

#### Volatile Organics by Method 624

The WG1505092-3 LCS recovery, associated with L2128157-01 through -04, is above the acceptance criteria for bromoform (140%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

#### Total Metals

L2128157-03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

#### Total Mercury

L2128157-01 and -03: The sample has elevated detection limits for mercury, due to the prep dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Caitlin Walukevich

Title: Technical Director/Representative

Date: 06/15/21

# ORGANICS

# VOLATILES

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

**SAMPLE RESULTS**

Lab ID: L2128157-01  
 Client ID: SW-1  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 05/26/21 09:00  
 Date Received: 05/26/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 05/28/21 03:51  
 Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	0.56	J	ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	0.71	J	ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

**SAMPLE RESULTS**

Lab ID: L2128157-01  
 Client ID: SW-1  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 05/26/21 09:00  
 Date Received: 05/26/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	111		60-140
Fluorobenzene	88		60-140
4-Bromofluorobenzene	94		60-140

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

**SAMPLE RESULTS**

Lab ID: L2128157-02  
 Client ID: SW-2  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 05/26/21 14:50  
 Date Received: 05/26/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 05/28/21 07:32  
 Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	0.78	J	ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

**SAMPLE RESULTS**

Lab ID: L2128157-02  
 Client ID: SW-2  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 05/26/21 14:50  
 Date Received: 05/26/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	9.9	J	ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	111		60-140
Fluorobenzene	87		60-140
4-Bromofluorobenzene	96		60-140

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

**SAMPLE RESULTS**

Lab ID: L2128157-03  
 Client ID: SW-3  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 05/26/21 09:20  
 Date Received: 05/26/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 05/28/21 04:28  
 Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

**SAMPLE RESULTS**

Lab ID: L2128157-03  
 Client ID: SW-3  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 05/26/21 09:20  
 Date Received: 05/26/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	5.5	J	ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	1.2	J	ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	110		60-140
Fluorobenzene	88		60-140
4-Bromofluorobenzene	93		60-140

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

**SAMPLE RESULTS**

Lab ID: L2128157-04  
 Client ID: TRIP BLANK  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 05/26/21 00:00  
 Date Received: 05/26/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 05/28/21 03:14  
 Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	0.39	J	ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

**SAMPLE RESULTS**

Lab ID: L2128157-04  
 Client ID: TRIP BLANK  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 05/26/21 00:00  
 Date Received: 05/26/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	4.2	J	ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	112		60-140
Fluorobenzene	88		60-140
4-Bromofluorobenzene	93		60-140

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 128,624.1  
Analytical Date: 05/28/21 02:37  
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1505092-4					
Methylene chloride	ND		ug/l	1.0	0.56
1,1-Dichloroethane	ND		ug/l	1.5	0.40
Chloroform	ND		ug/l	1.0	0.38
Carbon tetrachloride	ND		ug/l	1.0	0.24
1,2-Dichloropropane	ND		ug/l	3.5	0.46
Dibromochloromethane	ND		ug/l	1.0	0.27
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.35
Tetrachloroethene	ND		ug/l	1.0	0.26
Chlorobenzene	ND		ug/l	3.5	0.30
Trichlorofluoromethane	ND		ug/l	5.0	0.28
1,2-Dichloroethane	ND		ug/l	1.5	0.47
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29
Bromodichloromethane	ND		ug/l	1.0	0.28
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34
Bromoform	ND		ug/l	1.0	0.22
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20
Benzene	ND		ug/l	1.0	0.38
Toluene	ND		ug/l	1.0	0.31
Ethylbenzene	ND		ug/l	1.0	0.28
Chloromethane	ND		ug/l	5.0	1.0
Bromomethane	1.3	J	ug/l	5.0	1.2
Vinyl chloride	ND		ug/l	1.0	0.38
Chloroethane	ND		ug/l	2.0	0.37
1,1-Dichloroethene	ND		ug/l	1.0	0.31
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17
Trichloroethene	ND		ug/l	1.0	0.33

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 128,624.1  
Analytical Date: 05/28/21 02:37  
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1505092-4					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	ND		ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	ND		ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	ND		ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	ND		ug/l	1.0	0.23

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	109		60-140
Fluorobenzene	88		60-140
4-Bromofluorobenzene	94		60-140



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI

**Lab Number:** L2128157

**Project Number:** 1128-2020-SW

**Report Date:** 06/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1505092-3								
Methylene chloride	80		-		60-140	-		28
1,1-Dichloroethane	80		-		50-150	-		49
Chloroform	90		-		70-135	-		54
Carbon tetrachloride	95		-		70-130	-		41
1,2-Dichloropropane	85		-		35-165	-		55
Dibromochloromethane	120		-		70-135	-		50
1,1,2-Trichloroethane	110		-		70-130	-		45
2-Chloroethylvinyl ether	115		-		1-225	-		71
Tetrachloroethene	120		-		70-130	-		39
Chlorobenzene	95		-		65-135	-		53
Trichlorofluoromethane	80		-		50-150	-		84
1,2-Dichloroethane	85		-		70-130	-		49
1,1,1-Trichloroethane	90		-		70-130	-		36
Bromodichloromethane	110		-		65-135	-		56
trans-1,3-Dichloropropene	100		-		50-150	-		86
cis-1,3-Dichloropropene	105		-		25-175	-		58
Bromoform	140	Q	-		70-130	-		42
1,1,1,2-Tetrachloroethane	125		-		60-140	-		61
Benzene	90		-		65-135	-		61
Toluene	110		-		70-130	-		41
Ethylbenzene	105		-		60-140	-		63
Chloromethane	60		-		1-205	-		60
Bromomethane	65		-		15-185	-		61

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI

**Lab Number:** L2128157

**Project Number:** 1128-2020-SW

**Report Date:** 06/15/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1505092-3								
Vinyl chloride	65		-		5-195	-		66
Chloroethane	80		-		40-160	-		78
1,1-Dichloroethene	80		-		50-150	-		32
trans-1,2-Dichloroethene	80		-		70-130	-		45
cis-1,2-Dichloroethene	95		-		60-140	-		30
Trichloroethene	85		-		65-135	-		48
1,2-Dichlorobenzene	110		-		65-135	-		57
1,3-Dichlorobenzene	110		-		70-130	-		43
1,4-Dichlorobenzene	110		-		65-135	-		57
p/m-Xylene	102		-		60-140	-		30
o-xylene	100		-		60-140	-		30
Styrene	100		-		60-140	-		30
Acetone	110		-		40-160	-		30
Carbon disulfide	75		-		60-140	-		30
2-Butanone	112		-		60-140	-		30
Vinyl acetate	105		-		60-140	-		30
4-Methyl-2-pentanone	130		-		60-140	-		30
2-Hexanone	136		-		60-140	-		30
Acrolein	98		-		60-140	-		30
Acrylonitrile	108		-		60-140	-		60
Dibromomethane	80		-		70-130	-		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI

**Lab Number:** L2128157

**Project Number:** 1128-2020-SW

**Report Date:** 06/15/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
-----------	-------------------------	-------------	--------------------------	-------------	----------------------------	------------	-------------	----------------------

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1505092-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
Pentafluorobenzene	114				60-140
Fluorobenzene	88				60-140
4-Bromofluorobenzene	93				60-140

## METALS

**Project Name:** T. OF DEWITT LANDFILL MONITORI**Lab Number:** L2128157**Project Number:** 1128-2020-SW**Report Date:** 06/15/21**SAMPLE RESULTS**

Lab ID: L2128157-01

Date Collected: 05/26/21 09:00

Client ID: SW-1

Date Received: 05/26/21

Sample Location: FISHER RD, EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.050	0.007	1	06/11/21 15:39	06/14/21 18:59	EPA 3005A	19,200.7	BV
Arsenic, Total	0.010		mg/l	0.005	0.002	1	06/11/21 15:39	06/14/21 18:59	EPA 3005A	19,200.7	BV
Beryllium, Total	ND		mg/l	0.005	0.001	1	06/11/21 15:39	06/14/21 18:59	EPA 3005A	19,200.7	BV
Cadmium, Total	0.003	J	mg/l	0.005	0.001	1	06/11/21 15:39	06/14/21 18:59	EPA 3005A	19,200.7	BV
Chromium, Total	ND		mg/l	0.010	0.002	1	06/11/21 15:39	06/14/21 18:59	EPA 3005A	19,200.7	BV
Copper, Total	0.011		mg/l	0.010	0.002	1	06/11/21 15:39	06/14/21 18:59	EPA 3005A	19,200.7	BV
Lead, Total	0.008	J	mg/l	0.010	0.003	1	06/11/21 15:39	06/14/21 18:59	EPA 3005A	19,200.7	BV
Mercury, Total	ND		mg/l	0.00100	0.00045	1	06/11/21 16:38	06/12/21 16:34	EPA 245.1	3,245.1	NB
Nickel, Total	0.011	J	mg/l	0.025	0.002	1	06/11/21 15:39	06/14/21 18:59	EPA 3005A	19,200.7	BV
Selenium, Total	ND		mg/l	0.010	0.004	1	06/11/21 15:39	06/14/21 18:59	EPA 3005A	19,200.7	BV
Silver, Total	ND		mg/l	0.007	0.003	1	06/11/21 15:39	06/14/21 18:59	EPA 3005A	19,200.7	BV
Thallium, Total	ND		mg/l	0.020	0.003	1	06/11/21 15:39	06/14/21 18:59	EPA 3005A	19,200.7	BV
Zinc, Total	0.149		mg/l	0.050	0.002	1	06/11/21 15:39	06/14/21 18:59	EPA 3005A	19,200.7	BV



**Project Name:** T. OF DEWITT LANDFILL MONITORI**Lab Number:** L2128157**Project Number:** 1128-2020-SW**Report Date:** 06/15/21**SAMPLE RESULTS**

Lab ID: L2128157-02

Date Collected: 05/26/21 14:50

Client ID: SW-2

Date Received: 05/26/21

Sample Location: FISHER RD, EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.050	0.007	1	06/11/21 15:39	06/14/21 19:04	EPA 3005A	19,200.7	BV
Arsenic, Total	0.016		mg/l	0.005	0.002	1	06/11/21 15:39	06/14/21 19:04	EPA 3005A	19,200.7	BV
Beryllium, Total	ND		mg/l	0.005	0.001	1	06/11/21 15:39	06/14/21 19:04	EPA 3005A	19,200.7	BV
Cadmium, Total	0.002	J	mg/l	0.005	0.001	1	06/11/21 15:39	06/14/21 19:04	EPA 3005A	19,200.7	BV
Chromium, Total	0.010		mg/l	0.010	0.002	1	06/11/21 15:39	06/14/21 19:04	EPA 3005A	19,200.7	BV
Copper, Total	0.024		mg/l	0.010	0.002	1	06/11/21 15:39	06/14/21 19:04	EPA 3005A	19,200.7	BV
Lead, Total	0.022		mg/l	0.010	0.003	1	06/11/21 15:39	06/14/21 19:04	EPA 3005A	19,200.7	BV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	06/11/21 16:38	06/12/21 16:37	EPA 245.1	3,245.1	NB
Nickel, Total	0.027		mg/l	0.025	0.002	1	06/11/21 15:39	06/14/21 19:04	EPA 3005A	19,200.7	BV
Selenium, Total	ND		mg/l	0.010	0.004	1	06/11/21 15:39	06/14/21 19:04	EPA 3005A	19,200.7	BV
Silver, Total	ND		mg/l	0.007	0.003	1	06/11/21 15:39	06/14/21 19:04	EPA 3005A	19,200.7	BV
Thallium, Total	ND		mg/l	0.020	0.003	1	06/11/21 15:39	06/14/21 19:04	EPA 3005A	19,200.7	BV
Zinc, Total	0.122		mg/l	0.050	0.002	1	06/11/21 15:39	06/14/21 19:04	EPA 3005A	19,200.7	BV



**Project Name:** T. OF DEWITT LANDFILL MONITORI**Lab Number:** L2128157**Project Number:** 1128-2020-SW**Report Date:** 06/15/21**SAMPLE RESULTS**

Lab ID: L2128157-03

Date Collected: 05/26/21 09:20

Client ID: SW-3

Date Received: 05/26/21

Sample Location: FISHER RD, EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	0.048	J	mg/l	0.100	0.014	2	06/11/21 15:39	06/14/21 19:08	EPA 3005A	19,200.7	BV
Arsenic, Total	ND		mg/l	0.010	0.004	2	06/11/21 15:39	06/14/21 19:08	EPA 3005A	19,200.7	BV
Beryllium, Total	ND		mg/l	0.010	0.002	2	06/11/21 15:39	06/14/21 19:08	EPA 3005A	19,200.7	BV
Cadmium, Total	0.032		mg/l	0.010	0.002	2	06/11/21 15:39	06/14/21 19:08	EPA 3005A	19,200.7	BV
Chromium, Total	ND		mg/l	0.020	0.004	2	06/11/21 15:39	06/14/21 19:08	EPA 3005A	19,200.7	BV
Copper, Total	0.036		mg/l	0.020	0.004	2	06/11/21 15:39	06/14/21 19:08	EPA 3005A	19,200.7	BV
Lead, Total	0.099		mg/l	0.020	0.005	2	06/11/21 15:39	06/14/21 19:08	EPA 3005A	19,200.7	BV
Mercury, Total	ND		mg/l	0.00500	0.00227	1	06/11/21 16:38	06/12/21 16:40	EPA 245.1	3,245.1	NB
Nickel, Total	0.068		mg/l	0.050	0.005	2	06/11/21 15:39	06/14/21 19:08	EPA 3005A	19,200.7	BV
Selenium, Total	0.010	J	mg/l	0.020	0.007	2	06/11/21 15:39	06/14/21 19:08	EPA 3005A	19,200.7	BV
Silver, Total	0.009	J	mg/l	0.014	0.006	2	06/11/21 15:39	06/14/21 19:08	EPA 3005A	19,200.7	BV
Thallium, Total	0.026	J	mg/l	0.040	0.005	2	06/11/21 15:39	06/14/21 19:08	EPA 3005A	19,200.7	BV
Zinc, Total	0.585		mg/l	0.100	0.004	2	06/11/21 15:39	06/14/21 19:08	EPA 3005A	19,200.7	BV





**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1510466-1									
Antimony, Total	ND	mg/l	0.050	0.007	1	06/11/21 15:39	06/14/21 15:55	19,200.7	GD
Arsenic, Total	ND	mg/l	0.005	0.002	1	06/11/21 15:39	06/14/21 15:55	19,200.7	GD
Beryllium, Total	ND	mg/l	0.005	0.001	1	06/11/21 15:39	06/14/21 15:55	19,200.7	GD
Cadmium, Total	ND	mg/l	0.005	0.001	1	06/11/21 15:39	06/14/21 15:55	19,200.7	GD
Chromium, Total	ND	mg/l	0.010	0.002	1	06/11/21 15:39	06/14/21 15:55	19,200.7	GD
Copper, Total	ND	mg/l	0.010	0.002	1	06/11/21 15:39	06/14/21 15:55	19,200.7	GD
Lead, Total	ND	mg/l	0.010	0.003	1	06/11/21 15:39	06/14/21 15:55	19,200.7	GD
Nickel, Total	ND	mg/l	0.025	0.002	1	06/11/21 15:39	06/14/21 15:55	19,200.7	GD
Selenium, Total	ND	mg/l	0.010	0.004	1	06/11/21 15:39	06/14/21 15:55	19,200.7	GD
Silver, Total	ND	mg/l	0.007	0.003	1	06/11/21 15:39	06/14/21 15:55	19,200.7	GD
Thallium, Total	ND	mg/l	0.020	0.003	1	06/11/21 15:39	06/14/21 15:55	19,200.7	GD
Zinc, Total	ND	mg/l	0.050	0.002	1	06/11/21 15:39	06/14/21 15:55	19,200.7	GD

### Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1510468-1									
Mercury, Total	ND	mg/l	0.00020	0.00009	1	06/11/21 16:38	06/12/21 15:57	3,245.1	NB

### Prep Information

Digestion Method: EPA 245.1



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1510466-2								
Antimony, Total	86		-		85-115	-		
Arsenic, Total	105		-		85-115	-		
Beryllium, Total	99		-		85-115	-		
Cadmium, Total	102		-		85-115	-		
Chromium, Total	96		-		85-115	-		
Copper, Total	96		-		85-115	-		
Lead, Total	100		-		85-115	-		
Nickel, Total	93		-		85-115	-		
Selenium, Total	102		-		85-115	-		
Silver, Total	98		-		85-115	-		
Thallium, Total	101		-		85-115	-		
Zinc, Total	104		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1510468-2								
Mercury, Total	95		-		85-115	-		

**Matrix Spike Analysis**  
Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03    QC Batch ID: WG1510466-3    QC Sample: L2130427-01    Client ID: MS Sample												
Antimony, Total	ND	0.5	0.515	103		-	-		75-125	-		20
Arsenic, Total	0.002J	0.12	0.134	112		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.051	101		-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.053	103		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.197	98		-	-		75-125	-		20
Copper, Total	ND	0.25	0.247	99		-	-		75-125	-		20
Lead, Total	ND	0.51	0.516	101		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.470	94		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.126	105		-	-		75-125	-		20
Silver, Total	ND	0.05	0.050	100		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.121	101		-	-		75-125	-		20
Zinc, Total	0.010J	0.5	0.535	107		-	-		75-125	-		20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
<b>Total Metals - Mansfield Lab Associated sample(s): 01-03    QC Batch ID: WG1510466-7    QC Sample: L2130427-02    Client ID: MS Sample</b>									
Antimony, Total	ND	0.5	0.499	100	-	-	75-125	-	20
Arsenic, Total	0.002J	0.12	0.132	110	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.051	101	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.053	103	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.198	99	-	-	75-125	-	20
Copper, Total	ND	0.25	0.249	100	-	-	75-125	-	20
Lead, Total	0.029	0.51	0.534	99	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.471	94	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.124	103	-	-	75-125	-	20
Silver, Total	ND	0.05	0.050	100	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.120	100	-	-	75-125	-	20
Zinc, Total	0.015J	0.5	0.539	108	-	-	75-125	-	20
<b>Total Metals - Mansfield Lab Associated sample(s): 01-03    QC Batch ID: WG1510468-3    QC Sample: L2130940-01    Client ID: MS Sample</b>									
Mercury, Total	0.00016J	0.005	0.00500	100	-	-	70-130	-	20
<b>Total Metals - Mansfield Lab Associated sample(s): 01-03    QC Batch ID: WG1510468-5    QC Sample: L2130940-02    Client ID: MS Sample</b>									
Mercury, Total	0.00117	0.005	0.00561	89	-	-	70-130	-	20

## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** T. OF DEWITT LANDFILL MONITORI

**Project Number:** 1128-2020-SW

**Lab Number:** L2128157

**Report Date:** 06/15/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1510468-4 QC Sample: L2130940-01 Client ID: DUP Sample						
Mercury, Total	0.00016J	0.00016J	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1510468-6 QC Sample: L2130940-02 Client ID: DUP Sample						
Mercury, Total	0.00117	0.00122	mg/l	4		20

# **INORGANICS & MISCELLANEOUS**

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

**SAMPLE RESULTS**

**Lab ID:** L2128157-01  
**Client ID:** SW-1  
**Sample Location:** FISHER RD, EAST SYRACUSE

**Date Collected:** 05/26/21 09:00  
**Date Received:** 05/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	1400		mg/l	20	6.1	2	-	06/01/21 06:20	121,2540C	DW





**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

**SAMPLE RESULTS**

**Lab ID:** L2128157-02  
**Client ID:** SW-2  
**Sample Location:** FISHER RD, EAST SYRACUSE

**Date Collected:** 05/26/21 14:50  
**Date Received:** 05/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	380		mg/l	20	6.1	2	-	06/01/21 06:20	121,2540C	DW



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

**SAMPLE RESULTS**

**Lab ID:** L2128157-03  
**Client ID:** SW-3  
**Sample Location:** FISHER RD, EAST SYRACUSE

**Date Collected:** 05/26/21 09:20  
**Date Received:** 05/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	540		mg/l	20	6.1	2	-	06/01/21 06:20	121,2540C	DW



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

**Method Blank Analysis**  
**Batch Quality Control**

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1505841-1									
Solids, Total Dissolved	ND	mg/l	10	3.1	1	-	06/01/21 06:20	121,2540C	DW

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** T. OF DEWITT LANDFILL MONITORI**Lab Number:** L2128157**Project Number:** 1128-2020-SW**Report Date:** 06/15/21

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1505841-2								
Solids, Total Dissolved	94		-		80-120	-		

## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** T. OF DEWITT LANDFILL MONITORI

**Project Number:** 1128-2020-SW

**Lab Number:** L2128157

**Report Date:** 06/15/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1505841-3 QC Sample: L2128157-01 Client ID: SW-1						
Solids, Total Dissolved	1400	1400	mg/l	0		10

**Project Name:** T. OF DEWITT LANDFILL MONITORI**Lab Number:** L2128157**Project Number:** 1128-2020-SW**Report Date:** 06/15/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
A	Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2128157-01A	Vial Na2S2O3 preserved	A	NA		3.1	Y	Absent		624.1(3)
L2128157-01B	Vial Na2S2O3 preserved	A	NA		3.1	Y	Absent		624.1(3)
L2128157-01C	Vial Na2S2O3 preserved	A	NA		3.1	Y	Absent		624.1(3)
L2128157-01D	Plastic 250ml HNO3 preserved	A	<2	<2	3.1	Y	Absent		SB-UI(180),NI-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),AS-UI(180),CU-UI(180),TL-UI(180),PB-UI(180)
L2128157-01E	Plastic 250ml unpreserved	A	7	7	3.1	Y	Absent		TDS-2540(7)
L2128157-02A	Vial Na2S2O3 preserved	A	NA		3.1	Y	Absent		624.1(3)
L2128157-02B	Vial Na2S2O3 preserved	A	NA		3.1	Y	Absent		624.1(3)
L2128157-02C	Vial Na2S2O3 preserved	A	NA		3.1	Y	Absent		624.1(3)
L2128157-02D	Plastic 250ml HNO3 preserved	A	<2	<2	3.1	Y	Absent		NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),CR-UI(180),BE-UI(180),AS-UI(180),CU-UI(180),TL-UI(180),PB-UI(180)
L2128157-02E	Plastic 250ml unpreserved	A	7	7	3.1	Y	Absent		TDS-2540(7)
L2128157-03A	Vial Na2S2O3 preserved	A	NA		3.1	Y	Absent		624.1(3)
L2128157-03B	Vial Na2S2O3 preserved	A	NA		3.1	Y	Absent		624.1(3)
L2128157-03C	Vial Na2S2O3 preserved	A	NA		3.1	Y	Absent		624.1(3)
L2128157-03D	Plastic 250ml HNO3 preserved	A	5	<2	3.1	N	Absent		SB-UI(180),NI-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),CR-UI(180),BE-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180)
L2128157-03E	Plastic 250ml unpreserved	A	7	7	3.1	Y	Absent		TDS-2540(7)
L2128157-04A	Vial Na2S2O3 preserved	A	NA		3.1	Y	Absent		624.1(3)
L2128157-04B	Vial Na2S2O3 preserved	A	NA		3.1	Y	Absent		624.1(3)

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers





**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

**Data Qualifiers**

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2020-SW

**Lab Number:** L2128157  
**Report Date:** 06/15/21

## REFERENCES

- 3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.
- 19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpeneol

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpeneol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water


**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 <b>NEW YORK CHAIN OF CUSTODY</b>	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1 of 1	Date Rec'd in Lab <b>5/27/21</b>	ALPHA Job # <b>L2128157</b>						
	Westborough, MA 01581 8 Wallup Dr. TEL: 508-898-9220 FAX: 508-898-9193	Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	<b>Project Information</b> Project Name: <b>T. of Dewitt Landfill Monitoring</b> Project Location: <b>Fisher Rd, East Syracuse</b> Project #: <b>1128-2021-SW</b> (Use Project name as Project #) <input type="checkbox"/>							
<b>Client Information</b> Client: <b>T. of Dewitt c/o Kerrie Fusco</b> Address: <b>5400 Butternut Drive</b> <b>East Syracuse, NY 13057</b> Phone: <b>(315) 569-2144 cell</b> Fax: Email: <b>ggould@gouldgw.com</b>		<b>Deliverables</b> <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQulS (1 File) <input type="checkbox"/> EQulS (4 File) <input type="checkbox"/> Other		<b>Billing Information</b> <input checked="" type="checkbox"/> Same as Client Info PO #						
<b>Regulatory Requirement</b> <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:								
These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments: Client Code: <b>DEWITT</b> Please specify Metals or TAL.		<b>ANALYSIS</b>		<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <input type="checkbox"/> Preservation <input type="checkbox"/> Lab to do (Please Specify below)						
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	624.1	PP Metals	TDS	FIELD Readings	Sample Specific Comments
		Date	Time							
<b>28157-01</b>	SW-1	<b>5/26/21</b>	<b>0900</b>	SW	<b>ES</b>	X	X	X		5
<b>-02</b>	SW-2	↓	<b>1450</b>	SW	<b>ES/PF</b>	X	X	X		5
<b>-03</b>	SW-3	↓	<b>0920</b>	SW	<b>ES</b>	X	X	X		5
<b>-04</b>	TRIP BLANK					X				2
Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type V    P    P		Preservative H    C    A		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.
Relinquished By: <b>[Signature]</b>		Date/Time: <b>5/26/21 1530</b>		Received By: <b>[Signature]</b>		Date/Time: <b>5/27/21 0625</b>				



## ANALYTICAL REPORT

Lab Number:	L2150350
Client:	Town of Dewitt 5400 Butternut Drive East Syracuse, NY 13057
ATTN:	Kerri Fusco
Phone:	(315) 446-3392
Project Name:	T. OF DEWITT LANDFILL MONITORI
Project Number:	1128-2021-SW
Report Date:	10/01/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

---

Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2150350-01	SW-1	WATER	FISHER RD, EAST SYRACUSE	09/17/21 10:35	09/17/21
L2150350-02	SW-2	WATER	FISHER RD, EAST SYRACUSE	09/17/21 10:05	09/17/21
L2150350-03	SW-3	WATER	FISHER RD, EAST SYRACUSE	09/17/21 10:45	09/17/21
L2150350-04	TRIP BLANK	WATER	FISHER RD, EAST SYRACUSE	09/17/21 00:00	09/17/21



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

---



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Volatile Organics by Method 624

The WG1548286-3 LCS/LCSD recoveries, associated with L2150350-01 through -03, are above the individual acceptance criteria for methylene chloride (150%); however reanalysis confirms the detection of methylene chloride. The results of the original analysis are reported, all positive detects for these compounds are considered to have a potentially high bias.

The WG1549906-3 LCS recovery, associated with L2150350-04, is above the acceptance criteria for methylene chloride (155%), bromoform (140%), 1,2-dichlorobenzene (140%), 1,3-dichlorobenzene (135%) and 1,4-dichlorobenzene (140%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Sebastian Corbin

Title: Technical Director/Representative

Date: 10/01/21

# ORGANICS

# VOLATILES

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

**SAMPLE RESULTS**

Lab ID: L2150350-01  
 Client ID: SW-1  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 09/17/21 10:35  
 Date Received: 09/17/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 09/19/21 14:58  
 Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

**SAMPLE RESULTS**

Lab ID: L2150350-01  
 Client ID: SW-1  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 09/17/21 10:35  
 Date Received: 09/17/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	101		60-140
Fluorobenzene	95		60-140
4-Bromofluorobenzene	129		60-140

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

**SAMPLE RESULTS**

Lab ID: L2150350-02  
 Client ID: SW-2  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 09/17/21 10:05  
 Date Received: 09/17/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 09/19/21 15:32  
 Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	0.56	J	ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

**SAMPLE RESULTS**

Lab ID: L2150350-02  
 Client ID: SW-2  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 09/17/21 10:05  
 Date Received: 09/17/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	32		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	1.2	J	ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	101		60-140
Fluorobenzene	95		60-140
4-Bromofluorobenzene	125		60-140

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

**SAMPLE RESULTS**

Lab ID: L2150350-03  
 Client ID: SW-3  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 09/17/21 10:45  
 Date Received: 09/17/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 09/19/21 16:05  
 Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	3.5		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

**SAMPLE RESULTS**

Lab ID: L2150350-03  
 Client ID: SW-3  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 09/17/21 10:45  
 Date Received: 09/17/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	104		60-140
Fluorobenzene	95		60-140
4-Bromofluorobenzene	128		60-140

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

**SAMPLE RESULTS**

Lab ID: L2150350-04  
 Client ID: TRIP BLANK  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 09/17/21 00:00  
 Date Received: 09/17/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 09/22/21 10:08  
 Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

**SAMPLE RESULTS**

Lab ID: L2150350-04  
 Client ID: TRIP BLANK  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 09/17/21 00:00  
 Date Received: 09/17/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	5.2	J	ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	98		60-140
Fluorobenzene	96		60-140
4-Bromofluorobenzene	126		60-140

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 128,624.1  
Analytical Date: 09/19/21 12:09  
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1548286-4					
Methylene chloride	ND		ug/l	1.0	0.56
1,1-Dichloroethane	ND		ug/l	1.5	0.40
Chloroform	ND		ug/l	1.0	0.38
Carbon tetrachloride	ND		ug/l	1.0	0.24
1,2-Dichloropropane	ND		ug/l	3.5	0.46
Dibromochloromethane	ND		ug/l	1.0	0.27
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.35
Tetrachloroethene	ND		ug/l	1.0	0.26
Chlorobenzene	ND		ug/l	3.5	0.30
Trichlorofluoromethane	ND		ug/l	5.0	0.28
1,2-Dichloroethane	ND		ug/l	1.5	0.47
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29
Bromodichloromethane	ND		ug/l	1.0	0.28
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34
Bromoform	ND		ug/l	1.0	0.22
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20
Benzene	ND		ug/l	1.0	0.38
Toluene	ND		ug/l	1.0	0.31
Ethylbenzene	ND		ug/l	1.0	0.28
Chloromethane	ND		ug/l	5.0	1.0
Bromomethane	1.4	J	ug/l	5.0	1.2
Vinyl chloride	ND		ug/l	1.0	0.38
Chloroethane	ND		ug/l	2.0	0.37
1,1-Dichloroethene	ND		ug/l	1.0	0.31
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17
Trichloroethene	ND		ug/l	1.0	0.33

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 128,624.1  
Analytical Date: 09/19/21 12:09  
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1548286-4					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	ND		ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	ND		ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	ND		ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	ND		ug/l	1.0	0.23

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	102		60-140
Fluorobenzene	96		60-140
4-Bromofluorobenzene	123		60-140

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 128,624.1  
 Analytical Date: 09/22/21 03:41  
 Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1549906-4					
Methylene chloride	ND		ug/l	1.0	0.56
1,1-Dichloroethane	ND		ug/l	1.5	0.40
Chloroform	ND		ug/l	1.0	0.38
Carbon tetrachloride	ND		ug/l	1.0	0.24
1,2-Dichloropropane	ND		ug/l	3.5	0.46
Dibromochloromethane	ND		ug/l	1.0	0.27
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.35
Tetrachloroethene	ND		ug/l	1.0	0.26
Chlorobenzene	ND		ug/l	3.5	0.30
Trichlorofluoromethane	ND		ug/l	5.0	0.28
1,2-Dichloroethane	ND		ug/l	1.5	0.47
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29
Bromodichloromethane	ND		ug/l	1.0	0.28
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34
Bromoform	ND		ug/l	1.0	0.22
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20
Benzene	ND		ug/l	1.0	0.38
Toluene	ND		ug/l	1.0	0.31
Ethylbenzene	ND		ug/l	1.0	0.28
Chloromethane	ND		ug/l	5.0	1.0
Bromomethane	ND		ug/l	5.0	1.2
Vinyl chloride	ND		ug/l	1.0	0.38
Chloroethane	ND		ug/l	2.0	0.37
1,1-Dichloroethene	ND		ug/l	1.0	0.31
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17
Trichloroethene	ND		ug/l	1.0	0.33

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 128,624.1  
Analytical Date: 09/22/21 03:41  
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1549906-4					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	ND		ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	ND		ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	ND		ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	ND		ug/l	1.0	0.23

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	100		60-140
Fluorobenzene	97		60-140
4-Bromofluorobenzene	124		60-140

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI

**Lab Number:** L2150350

**Project Number:** 1128-2021-SW

**Report Date:** 10/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1548286-3								
Methylene chloride	150	Q	-		60-140	-		28
1,1-Dichloroethane	90		-		50-150	-		49
Chloroform	105		-		70-135	-		54
Carbon tetrachloride	110		-		70-130	-		41
1,2-Dichloropropane	85		-		35-165	-		55
Dibromochloromethane	105		-		70-135	-		50
1,1,2-Trichloroethane	95		-		70-130	-		45
2-Chloroethylvinyl ether	85		-		1-225	-		71
Tetrachloroethene	110		-		70-130	-		39
Chlorobenzene	120		-		65-135	-		53
Trichlorofluoromethane	95		-		50-150	-		84
1,2-Dichloroethane	100		-		70-130	-		49
1,1,1-Trichloroethane	110		-		70-130	-		36
Bromodichloromethane	115		-		65-135	-		56
trans-1,3-Dichloropropene	110		-		50-150	-		86
cis-1,3-Dichloropropene	115		-		25-175	-		58
Bromoform	115		-		70-130	-		42
1,1,2,2-Tetrachloroethane	115		-		60-140	-		61
Benzene	100		-		65-135	-		61
Toluene	120		-		70-130	-		41
Ethylbenzene	140		-		60-140	-		63
Chloromethane	47		-		1-205	-		60
Bromomethane	75		-		15-185	-		61



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI

**Lab Number:** L2150350

**Project Number:** 1128-2021-SW

**Report Date:** 10/01/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1548286-3								
Vinyl chloride	65		-		5-195	-		66
Chloroethane	75		-		40-160	-		78
1,1-Dichloroethene	100		-		50-150	-		32
trans-1,2-Dichloroethene	100		-		70-130	-		45
cis-1,2-Dichloroethene	100		-		60-140	-		30
Trichloroethene	100		-		65-135	-		48
1,2-Dichlorobenzene	135		-		65-135	-		57
1,3-Dichlorobenzene	130		-		70-130	-		43
1,4-Dichlorobenzene	135		-		65-135	-		57
p/m-Xylene	128		-		60-140	-		30
o-xylene	115		-		60-140	-		30
Styrene	120		-		60-140	-		30
Acetone	84		-		40-160	-		30
Carbon disulfide	90		-		60-140	-		30
2-Butanone	80		-		60-140	-		30
Vinyl acetate	85		-		60-140	-		30
4-Methyl-2-pentanone	82		-		60-140	-		30
2-Hexanone	86		-		60-140	-		30
Acrolein	100		-		60-140	-		30
Acrylonitrile	78		-		60-140	-		60
Dibromomethane	95		-		70-130	-		30

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
-----------	-------------------------	-------------	--------------------------	-------------	----------------------------	------------	-------------	----------------------

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1548286-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
Pentafluorobenzene	100				60-140
Fluorobenzene	97				60-140
4-Bromofluorobenzene	124				60-140

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI

**Lab Number:** L2150350

**Project Number:** 1128-2021-SW

**Report Date:** 10/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1549906-3								
Methylene chloride	155	Q	-		60-140	-		28
1,1-Dichloroethane	90		-		50-150	-		49
Chloroform	105		-		70-135	-		54
Carbon tetrachloride	115		-		70-130	-		41
1,2-Dichloropropane	90		-		35-165	-		55
Dibromochloromethane	120		-		70-135	-		50
1,1,2-Trichloroethane	110		-		70-130	-		45
2-Chloroethylvinyl ether	95		-		1-225	-		71
Tetrachloroethene	115		-		70-130	-		39
Chlorobenzene	125		-		65-135	-		53
Trichlorofluoromethane	105		-		50-150	-		84
1,2-Dichloroethane	110		-		70-130	-		49
1,1,1-Trichloroethane	115		-		70-130	-		36
Bromodichloromethane	120		-		65-135	-		56
trans-1,3-Dichloropropene	125		-		50-150	-		86
cis-1,3-Dichloropropene	120		-		25-175	-		58
Bromoform	140	Q	-		70-130	-		42
1,1,1,2-Tetrachloroethane	140		-		60-140	-		61
Benzene	105		-		65-135	-		61
Toluene	120		-		70-130	-		41
Ethylbenzene	140		-		60-140	-		63
Chloromethane	55		-		1-205	-		60
Bromomethane	75		-		15-185	-		61

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI

**Lab Number:** L2150350

**Project Number:** 1128-2021-SW

**Report Date:** 10/01/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1549906-3								
Vinyl chloride	75		-		5-195	-		66
Chloroethane	80		-		40-160	-		78
1,1-Dichloroethene	105		-		50-150	-		32
trans-1,2-Dichloroethene	105		-		70-130	-		45
cis-1,2-Dichloroethene	100		-		60-140	-		30
Trichloroethene	105		-		65-135	-		48
1,2-Dichlorobenzene	140	Q	-		65-135	-		57
1,3-Dichlorobenzene	135	Q	-		70-130	-		43
1,4-Dichlorobenzene	140	Q	-		65-135	-		57
p/m-Xylene	130		-		60-140	-		30
o-xylene	120		-		60-140	-		30
Styrene	125		-		60-140	-		30
Acetone	96		-		40-160	-		30
Carbon disulfide	100		-		60-140	-		30
2-Butanone	86		-		60-140	-		30
Vinyl acetate	92		-		60-140	-		30
4-Methyl-2-pentanone	96		-		60-140	-		30
2-Hexanone	102		-		60-140	-		30
Acrolein	110		-		60-140	-		30
Acrylonitrile	88		-		60-140	-		60
Dibromomethane	105		-		70-130	-		30

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1549906-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
Pentafluorobenzene	103				60-140
Fluorobenzene	101				60-140
4-Bromofluorobenzene	121				60-140

## METALS

**Project Name:** T. OF DEWITT LANDFILL MONITORI**Lab Number:** L2150350**Project Number:** 1128-2021-SW**Report Date:** 10/01/21**SAMPLE RESULTS**

Lab ID: L2150350-01

Date Collected: 09/17/21 10:35

Client ID: SW-1

Date Received: 09/17/21

Sample Location: FISHER RD, EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	0.010	J	mg/l	0.050	0.007	1	09/23/21 18:25	09/28/21 19:23	EPA 3005A	19,200.7	GD
Arsenic, Total	0.071		mg/l	0.005	0.002	1	09/23/21 18:25	09/28/21 19:23	EPA 3005A	19,200.7	GD
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/23/21 18:25	09/28/21 19:23	EPA 3005A	19,200.7	GD
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/23/21 18:25	09/28/21 19:23	EPA 3005A	19,200.7	GD
Chromium, Total	0.002	J	mg/l	0.010	0.002	1	09/23/21 18:25	09/28/21 19:23	EPA 3005A	19,200.7	GD
Copper, Total	0.046		mg/l	0.010	0.002	1	09/23/21 18:25	09/28/21 19:23	EPA 3005A	19,200.7	GD
Lead, Total	0.011		mg/l	0.010	0.003	1	09/23/21 18:25	09/28/21 19:23	EPA 3005A	19,200.7	GD
Mercury, Total	0.00028		mg/l	0.00020	0.00009	1	09/23/21 20:08	09/24/21 10:05	EPA 245.1	3,245.1	AC
Nickel, Total	0.014	J	mg/l	0.025	0.002	1	09/23/21 18:25	09/28/21 19:23	EPA 3005A	19,200.7	GD
Selenium, Total	0.005	J	mg/l	0.010	0.004	1	09/23/21 18:25	09/28/21 19:23	EPA 3005A	19,200.7	GD
Silver, Total	ND		mg/l	0.007	0.003	1	09/23/21 18:25	09/28/21 19:23	EPA 3005A	19,200.7	GD
Thallium, Total	0.006	J	mg/l	0.020	0.003	1	09/23/21 18:25	09/28/21 19:23	EPA 3005A	19,200.7	GD
Zinc, Total	0.348		mg/l	0.050	0.002	1	09/23/21 18:25	09/28/21 19:23	EPA 3005A	19,200.7	GD



**Project Name:** T. OF DEWITT LANDFILL MONITORI**Lab Number:** L2150350**Project Number:** 1128-2021-SW**Report Date:** 10/01/21**SAMPLE RESULTS**

Lab ID: L2150350-02

Date Collected: 09/17/21 10:05

Client ID: SW-2

Date Received: 09/17/21

Sample Location: FISHER RD, EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	0.0090	J	mg/l	0.050	0.007	1	09/23/21 18:25	09/28/21 19:29	EPA 3005A	19,200.7	GD
Arsenic, Total	0.070		mg/l	0.005	0.002	1	09/23/21 18:25	09/28/21 19:29	EPA 3005A	19,200.7	GD
Beryllium, Total	0.002	J	mg/l	0.005	0.001	1	09/23/21 18:25	09/28/21 19:29	EPA 3005A	19,200.7	GD
Cadmium, Total	0.002	J	mg/l	0.005	0.001	1	09/23/21 18:25	09/28/21 19:29	EPA 3005A	19,200.7	GD
Chromium, Total	0.055		mg/l	0.010	0.002	1	09/23/21 18:25	09/28/21 19:29	EPA 3005A	19,200.7	GD
Copper, Total	0.155		mg/l	0.010	0.002	1	09/23/21 18:25	09/28/21 19:29	EPA 3005A	19,200.7	GD
Lead, Total	0.104		mg/l	0.010	0.003	1	09/23/21 18:25	09/28/21 19:29	EPA 3005A	19,200.7	GD
Mercury, Total	0.00058		mg/l	0.00020	0.00009	1	09/23/21 20:08	09/24/21 10:22	EPA 245.1	3,245.1	AC
Nickel, Total	0.130		mg/l	0.025	0.002	1	09/23/21 18:25	09/28/21 19:29	EPA 3005A	19,200.7	GD
Selenium, Total	0.007	J	mg/l	0.010	0.004	1	09/23/21 18:25	09/28/21 19:29	EPA 3005A	19,200.7	GD
Silver, Total	ND		mg/l	0.007	0.003	1	09/23/21 18:25	09/28/21 19:29	EPA 3005A	19,200.7	GD
Thallium, Total	0.003	J	mg/l	0.020	0.003	1	09/23/21 18:25	09/28/21 19:29	EPA 3005A	19,200.7	GD
Zinc, Total	0.658		mg/l	0.050	0.002	1	09/23/21 18:25	09/28/21 19:29	EPA 3005A	19,200.7	GD





**Project Name:** T. OF DEWITT LANDFILL MONITORI**Lab Number:** L2150350**Project Number:** 1128-2021-SW**Report Date:** 10/01/21**SAMPLE RESULTS**

Lab ID: L2150350-03

Date Collected: 09/17/21 10:45

Client ID: SW-3

Date Received: 09/17/21

Sample Location: FISHER RD, EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	0.012	J	mg/l	0.050	0.007	1	09/23/21 18:25	09/28/21 23:44	EPA 3005A	19,200.7	GD
Arsenic, Total	0.069		mg/l	0.005	0.002	1	09/23/21 18:25	09/28/21 23:44	EPA 3005A	19,200.7	GD
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/23/21 18:25	09/28/21 23:44	EPA 3005A	19,200.7	GD
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/23/21 18:25	09/28/21 23:44	EPA 3005A	19,200.7	GD
Chromium, Total	ND		mg/l	0.010	0.002	1	09/23/21 18:25	09/28/21 23:44	EPA 3005A	19,200.7	GD
Copper, Total	0.048		mg/l	0.010	0.002	1	09/23/21 18:25	09/28/21 23:44	EPA 3005A	19,200.7	GD
Lead, Total	0.011		mg/l	0.010	0.003	1	09/23/21 18:25	09/28/21 23:44	EPA 3005A	19,200.7	GD
Mercury, Total	0.00020		mg/l	0.00020	0.00009	1	09/23/21 20:08	09/24/21 10:25	EPA 245.1	3,245.1	AC
Nickel, Total	0.009	J	mg/l	0.025	0.002	1	09/23/21 18:25	09/28/21 23:44	EPA 3005A	19,200.7	GD
Selenium, Total	0.010	J	mg/l	0.010	0.004	1	09/23/21 18:25	09/28/21 23:44	EPA 3005A	19,200.7	GD
Silver, Total	ND		mg/l	0.007	0.003	1	09/23/21 18:25	09/28/21 23:44	EPA 3005A	19,200.7	GD
Thallium, Total	0.016	J	mg/l	0.020	0.003	1	09/23/21 18:25	09/28/21 23:44	EPA 3005A	19,200.7	GD
Zinc, Total	0.163		mg/l	0.050	0.002	1	09/23/21 18:25	09/28/21 23:44	EPA 3005A	19,200.7	GD



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

## Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1549941-1										
Antimony, Total	ND		mg/l	0.050	0.007	1	09/23/21 18:25	09/28/21 09:46	19,200.7	GD
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/23/21 18:25	09/28/21 09:46	19,200.7	GD
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/23/21 18:25	09/28/21 09:46	19,200.7	GD
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/23/21 18:25	09/28/21 09:46	19,200.7	GD
Chromium, Total	ND		mg/l	0.010	0.002	1	09/23/21 18:25	09/28/21 09:46	19,200.7	GD
Copper, Total	ND		mg/l	0.010	0.002	1	09/23/21 18:25	09/28/21 09:46	19,200.7	GD
Lead, Total	ND		mg/l	0.010	0.003	1	09/23/21 18:25	09/28/21 09:46	19,200.7	GD
Nickel, Total	ND		mg/l	0.025	0.002	1	09/23/21 18:25	09/28/21 09:46	19,200.7	GD
Selenium, Total	ND		mg/l	0.010	0.004	1	09/23/21 18:25	09/28/21 09:46	19,200.7	GD
Silver, Total	ND		mg/l	0.007	0.003	1	09/23/21 18:25	09/28/21 09:46	19,200.7	GD
Thallium, Total	0.003	J	mg/l	0.020	0.003	1	09/23/21 18:25	09/28/21 09:46	19,200.7	GD
Zinc, Total	ND		mg/l	0.050	0.002	1	09/23/21 18:25	09/28/21 09:46	19,200.7	GD

### Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1549944-1										
Mercury, Total	0.00012	J	mg/l	0.00020	0.00009	1	09/23/21 20:08	09/24/21 09:48	3,245.1	AC

### Prep Information

Digestion Method: EPA 245.1



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1549941-2								
Antimony, Total	104		-		85-115	-		
Arsenic, Total	110		-		85-115	-		
Beryllium, Total	103		-		85-115	-		
Cadmium, Total	102		-		85-115	-		
Chromium, Total	103		-		85-115	-		
Copper, Total	103		-		85-115	-		
Lead, Total	100		-		85-115	-		
Nickel, Total	98		-		85-115	-		
Selenium, Total	110		-		85-115	-		
Silver, Total	104		-		85-115	-		
Thallium, Total	107		-		85-115	-		
Zinc, Total	108		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1549944-2								
Mercury, Total	111		-		85-115	-		

**Matrix Spike Analysis**  
Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03    QC Batch ID: WG1549941-3    QC Sample: L2150365-01    Client ID: MS Sample												
Antimony, Total	ND	0.5	0.534	107		-	-		75-125	-		20
Arsenic, Total	ND	0.12	0.136	113		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.051	102		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.053	100		-	-		75-125	-		20
Chromium, Total	0.003J	0.2	0.200	100		-	-		75-125	-		20
Copper, Total	0.022	0.25	0.281	103		-	-		75-125	-		20
Lead, Total	0.007J	0.53	0.519	98		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.477	95		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.137	114		-	-		75-125	-		20
Silver, Total	ND	0.05	0.052	104		-	-		75-125	-		20
Thallium, Total	0.004J	0.12	0.124	103		-	-		75-125	-		20
Zinc, Total	0.041J	0.5	0.571	114		-	-		75-125	-		20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03    QC Batch ID: WG1549941-7    QC Sample: L2150365-03    Client ID: MS Sample									
Antimony, Total	ND	0.5	0.524	105	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.136	113	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.050	100	-	-	75-125	-	20
Cadmium, Total	ND	0.053	0.053	100	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.200	100	-	-	75-125	-	20
Copper, Total	ND	0.25	0.259	104	-	-	75-125	-	20
Lead, Total	ND	0.53	0.515	97	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.474	95	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.136	113	-	-	75-125	-	20
Silver, Total	ND	0.05	0.051	102	-	-	75-125	-	20
Thallium, Total	0.004J	0.12	0.123	102	-	-	75-125	-	20
Zinc, Total	0.015J	0.5	0.548	110	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-03    QC Batch ID: WG1549944-3    QC Sample: L2150486-01    Client ID: MS Sample									
Mercury, Total	ND	0.125	0.1166	93	-	-	70-130	-	20

## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** T. OF DEWITT LANDFILL MONITORI

**Project Number:** 1128-2021-SW

**Lab Number:** L2150350

**Report Date:** 10/01/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1549944-4 QC Sample: L2150486-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

# **INORGANICS & MISCELLANEOUS**

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

**SAMPLE RESULTS**

**Lab ID:** L2150350-01  
**Client ID:** SW-1  
**Sample Location:** FISHER RD, EAST SYRACUSE

**Date Collected:** 09/17/21 10:35  
**Date Received:** 09/17/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	420		mg/l	20	6.1	2	-	09/24/21 07:20	121,2540C	DW





**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

**SAMPLE RESULTS**

**Lab ID:** L2150350-02  
**Client ID:** SW-2  
**Sample Location:** FISHER RD, EAST SYRACUSE

**Date Collected:** 09/17/21 10:05  
**Date Received:** 09/17/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	580		mg/l	20	6.1	2	-	09/24/21 07:20	121,2540C	DW



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

**SAMPLE RESULTS**

**Lab ID:** L2150350-03  
**Client ID:** SW-3  
**Sample Location:** FISHER RD, EAST SYRACUSE

**Date Collected:** 09/17/21 10:45  
**Date Received:** 09/17/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	490		mg/l	20	6.1	2	-	09/24/21 07:20	121,2540C	DW



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

**Method Blank Analysis**  
**Batch Quality Control**

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1550251-1									
Solids, Total Dissolved	ND	mg/l	10	3.1	1	-	09/24/21 07:20	121,2540C	DW

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1550251-2								
Solids, Total Dissolved	94		-		80-120	-		



## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** T. OF DEWITT LANDFILL MONITORI

**Project Number:** 1128-2021-SW

**Lab Number:** L2150350

**Report Date:** 10/01/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1550251-3 QC Sample: L2150368-01 Client ID: DUP Sample						
Solids, Total Dissolved	220	230	mg/l	4		10

**Project Name:** T. OF DEWITT LANDFILL MONITORI**Lab Number:** L2150350**Project Number:** 1128-2021-SW**Report Date:** 10/01/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
A	Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2150350-01A	Vial Na2S2O3 preserved	A	NA		3.5	Y	Absent		624.1(3)
L2150350-01B	Vial Na2S2O3 preserved	A	NA		3.5	Y	Absent		624.1(3)
L2150350-01C	Vial Na2S2O3 preserved	A	NA		3.5	Y	Absent		624.1(3)
L2150350-01D	Plastic 250ml unpreserved	A	7	7	3.5	Y	Absent		TDS-2540(7)
L2150350-01E	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),CR-UI(180),BE-UI(180),PB-UI(180),AS-UI(180),CU-UI(180),TL-UI(180)
L2150350-02A	Vial Na2S2O3 preserved	A	NA		3.5	Y	Absent		624.1(3)
L2150350-02B	Vial Na2S2O3 preserved	A	NA		3.5	Y	Absent		624.1(3)
L2150350-02C	Vial Na2S2O3 preserved	A	NA		3.5	Y	Absent		624.1(3)
L2150350-02D	Plastic 250ml unpreserved	A	7	7	3.5	Y	Absent		TDS-2540(7)
L2150350-02E	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		SB-UI(180),NI-UI(180),ZN-UI(180),AG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),AS-UI(180),PB-UI(180),CU-UI(180),TL-UI(180)
L2150350-03A	Vial Na2S2O3 preserved	A	NA		3.5	Y	Absent		624.1(3)
L2150350-03B	Vial Na2S2O3 preserved	A	NA		3.5	Y	Absent		624.1(3)
L2150350-03C	Vial Na2S2O3 preserved	A	NA		3.5	Y	Absent		624.1(3)
L2150350-03D	Plastic 250ml unpreserved	A	7	7	3.5	Y	Absent		TDS-2540(7)
L2150350-03E	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),CR-UI(180),BE-UI(180),TL-UI(180),AS-UI(180),CU-UI(180),PB-UI(180)
L2150350-04A	Vial Na2S2O3 preserved	A	NA		3.5	Y	Absent		624.1(3)
L2150350-04B	Vial Na2S2O3 preserved	A	NA		3.5	Y	Absent		624.1(3)

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers





**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

**Data Qualifiers**

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Project Name:** T. OF DEWITT LANDFILL MONITORI  
**Project Number:** 1128-2021-SW

**Lab Number:** L2150350  
**Report Date:** 10/01/21

## REFERENCES

- 3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.
- 19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

---

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpeneol

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpeneol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

---

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

---

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

<p><b>NEW YORK CHAIN OF CUSTODY</b></p> <p>Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193</p> <p>Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288</p>	<p><u>Service Centers</u> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105</p>		<p>Page 1 of 1</p>		<p>Date Rec'd in Lab <b>9/18/21</b></p>		<p>ALPHA Job # <b>L2150350</b></p>							
	<p><b>Project Information</b></p> <p>Project Name: T. of Dewitt Landfill Monitoring Project Location: Fisher Rd, East Syracuse Project #: 1128-2021-SW (Use Project name as Project #) <input type="checkbox"/></p>			<p><b>Deliverables</b></p> <p><input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other</p>			<p><b>Billing Information</b></p> <p><input checked="" type="checkbox"/> Same as Client Info PO #</p>							
<p><b>Client Information</b></p> <p>Client: T. of Dewitt c/o Kerrie Fusco Address: 5400 Butternut Drive East Syracuse, NY 13057 Phone: (315) 569-2144 cell Fax:  Email: ggould@gouldgw.com</p>			<p><b>Regulatory Requirement</b></p> <p><input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge</p>			<p><b>Disposal Site Information</b></p> <p>Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:</p>								
<p><b>Turn-Around Time</b></p> <p>Standard <input checked="" type="checkbox"/> Due Date:  Rush (only if pre approved) <input type="checkbox"/> # of Days:</p>			<p><b>ANALYSIS</b></p> <p>624.1 PP Metals TDS FIELD Readings</p>			<p><b>Sample Filtration</b></p> <p><input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below) Sample Specific Comments</p>								
<p>These samples have been previously analyzed by Alpha <input type="checkbox"/></p> <p>Other project specific requirements/comments: Client Code: DEWITT</p> <p>Please specify Metals or TAL.</p>														
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection		Sample Matrix	Sampler's Initials							
				Date	Time									
50350-01		SW-1		9/17/21	1035	SW	ES	X	X	X			5	
02		SW-2		↓	1005	SW	↓	X	X	X			5	
03		SW-3		↓	1045	SW	↓	X	X	X			5	
04		TRIP BLANK						X					2	
<p>Preservative Code: A = None, B = HCl, C = HNO<sub>3</sub>, D = H<sub>2</sub>SO<sub>4</sub>, E = NaOH, F = MeOH, G = NaHSO<sub>4</sub>, H = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, K/E = Zn Ac/NaOH, O = Other Container Code: P = Plastic, A = Amber Glass, V = Vial, G = Glass, B = Bacteria Cup, C = Cube, O = Other, E = Encore, D = BOD Bottle Westboro: Certification No: MA935 Mansfield: Certification No: MA015</p>														
				Container Type										
				Preservative			V P P				H C A			
Relinquished By:				Date/Time		Received By:				Date/Time				
				9/17/21 1410						9/18/21 00150				
<p>Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S <u>TERMS &amp; CONDITIONS</u>.</p>														



## ANALYTICAL REPORT

Lab Number:	L2168549
Client:	Town of Dewitt 5400 Butternut Drive East Syracuse, NY 13057
ATTN:	Kerri Fusco
Phone:	(315) 446-3392
Project Name:	T. OF DEWITT LANDFILL MONITOR
Project Number:	Not Specified
Report Date:	12/28/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

---

320 Forbes Boulevard, Mansfield, MA 02048-1806  
508-822-9300 (Fax) 508-822-3288 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** T. OF DEWITT LANDFILL MONITOR  
**Project Number:** Not Specified

**Lab Number:** L2168549  
**Report Date:** 12/28/21

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2168549-01	V-10	SOIL_VAPOR	FISHER RD, EAST SYRACUSE	12/13/21 14:30	12/13/21
L2168549-02	V-11	SOIL_VAPOR	FISHER RD, EAST SYRACUSE	12/13/21 14:40	12/13/21
L2168549-03	V-18	SOIL_VAPOR	FISHER RD, EAST SYRACUSE	12/13/21 14:50	12/13/21
L2168549-04	BLIND DUP	SOIL_VAPOR	FISHER RD, EAST SYRACUSE	12/13/21 00:00	12/13/21

**Project Name:** T. OF DEWITT LANDFILL MONITOR  
**Project Number:** Not Specified

**Lab Number:** L2168549  
**Report Date:** 12/28/21

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

---

**Project Name:** T. OF DEWITT LANDFILL MONITOR  
**Project Number:** Not Specified

**Lab Number:** L2168549  
**Report Date:** 12/28/21

### Case Narrative (continued)

#### Volatile Organics in Air

Canisters were released from the laboratory on December 6, 2021. The canister certification results are provided as an addendum.

L2168549-01D, -02D, and -03D: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

L2168549-04: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2168549-04D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG1587321-5D Laboratory Duplicate RPD for iso-propyl alcohol (30%), performed on L2168549-01, is above the acceptance criteria; however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 12/28/21



**AIR**

**Project Name:** T. OF DEWITT LANDFILL MONITOR  
**Project Number:** Not Specified

**Lab Number:** L2168549  
**Report Date:** 12/28/21

### SAMPLE RESULTS

Lab ID: L2168549-01 D  
 Client ID: V-10  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 12/13/21 14:30  
 Date Received: 12/13/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 12/24/21 04:21  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	65.8	1.43	--	325	7.07	--		7.143
Chloromethane	13.8	1.43	--	28.5	2.95	--		7.143
Freon-114	11.3	1.43	--	79.0	10.0	--		7.143
Vinyl chloride	24.3	1.43	--	62.1	3.66	--		7.143
1,3-Butadiene	ND	1.43	--	ND	3.16	--		7.143
Bromomethane	ND	1.43	--	ND	5.55	--		7.143
Chloroethane	17.0	1.43	--	44.9	3.77	--		7.143
Ethanol	ND	35.7	--	ND	67.3	--		7.143
Vinyl bromide	ND	1.43	--	ND	6.25	--		7.143
Acetone	253	7.14	--	601	17.0	--		7.143
Trichlorofluoromethane	93.0	1.43	--	523	8.04	--		7.143
Isopropanol	16.6	3.57	--	40.8	8.78	--		7.143
1,1-Dichloroethene	ND	1.43	--	ND	5.67	--		7.143
Tertiary butyl Alcohol	ND	3.57	--	ND	10.8	--		7.143
Methylene chloride	ND	3.57	--	ND	12.4	--		7.143
3-Chloropropene	ND	1.43	--	ND	4.48	--		7.143
Carbon disulfide	7.93	1.43	--	24.7	4.45	--		7.143
Freon-113	ND	1.43	--	ND	11.0	--		7.143
trans-1,2-Dichloroethene	ND	1.43	--	ND	5.67	--		7.143
1,1-Dichloroethane	ND	1.43	--	ND	5.79	--		7.143
Methyl tert butyl ether	ND	1.43	--	ND	5.16	--		7.143
2-Butanone	ND	3.57	--	ND	10.5	--		7.143
cis-1,2-Dichloroethene	ND	1.43	--	ND	5.67	--		7.143



**Project Name:** T. OF DEWITT LANDFILL MONITOR  
**Project Number:** Not Specified

**Lab Number:** L2168549  
**Report Date:** 12/28/21

### SAMPLE RESULTS

Lab ID: L2168549-01 D  
 Client ID: V-10  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 12/13/21 14:30  
 Date Received: 12/13/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	3.57	--	ND	12.9	--		7.143
Chloroform	ND	1.43	--	ND	6.98	--		7.143
Tetrahydrofuran	32.7	3.57	--	96.4	10.5	--		7.143
1,2-Dichloroethane	ND	1.43	--	ND	5.79	--		7.143
n-Hexane	568	1.43	--	2000	5.04	--		7.143
1,1,1-Trichloroethane	ND	1.43	--	ND	7.80	--		7.143
Benzene	4.86	1.43	--	15.5	4.57	--		7.143
Carbon tetrachloride	ND	1.43	--	ND	9.00	--		7.143
Cyclohexane	185	1.43	--	637	4.92	--		7.143
1,2-Dichloropropane	ND	1.43	--	ND	6.61	--		7.143
Bromodichloromethane	ND	1.43	--	ND	9.58	--		7.143
1,4-Dioxane	ND	1.43	--	ND	5.15	--		7.143
Trichloroethene	ND	1.43	--	ND	7.69	--		7.143
2,2,4-Trimethylpentane	216	1.43	--	1010	6.68	--		7.143
Heptane	169	1.43	--	693	5.86	--		7.143
cis-1,3-Dichloropropene	ND	1.43	--	ND	6.49	--		7.143
4-Methyl-2-pentanone	ND	3.57	--	ND	14.6	--		7.143
trans-1,3-Dichloropropene	ND	1.43	--	ND	6.49	--		7.143
1,1,2-Trichloroethane	ND	1.43	--	ND	7.80	--		7.143
Toluene	2.77	1.43	--	10.4	5.39	--		7.143
2-Hexanone	ND	1.43	--	ND	5.86	--		7.143
Dibromochloromethane	ND	1.43	--	ND	12.2	--		7.143
1,2-Dibromoethane	ND	1.43	--	ND	11.0	--		7.143
Tetrachloroethene	5.23	1.43	--	35.5	9.70	--		7.143
Chlorobenzene	ND	1.43	--	ND	6.59	--		7.143
Ethylbenzene	20.1	1.43	--	87.3	6.21	--		7.143



**Project Name:** T. OF DEWITT LANDFILL MONITOR  
**Project Number:** Not Specified

**Lab Number:** L2168549  
**Report Date:** 12/28/21

### SAMPLE RESULTS

Lab ID: L2168549-01 D  
 Client ID: V-10  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 12/13/21 14:30  
 Date Received: 12/13/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	14.2	2.86	--	61.7	12.4	--		7.143
Bromoform	ND	1.43	--	ND	14.8	--		7.143
Styrene	ND	1.43	--	ND	6.09	--		7.143
1,1,2,2-Tetrachloroethane	ND	1.43	--	ND	9.82	--		7.143
o-Xylene	7.74	1.43	--	33.6	6.21	--		7.143
4-Ethyltoluene	ND	1.43	--	ND	7.03	--		7.143
1,3,5-Trimethylbenzene	4.18	1.43	--	20.5	7.03	--		7.143
1,2,4-Trimethylbenzene	2.74	1.43	--	13.5	7.03	--		7.143
Benzyl chloride	ND	1.43	--	ND	7.40	--		7.143
1,3-Dichlorobenzene	ND	1.43	--	ND	8.60	--		7.143
1,4-Dichlorobenzene	9.76	1.43	--	58.7	8.60	--		7.143
1,2-Dichlorobenzene	ND	1.43	--	ND	8.60	--		7.143
1,2,4-Trichlorobenzene	ND	1.43	--	ND	10.6	--		7.143
Hexachlorobutadiene	ND	1.43	--	ND	15.3	--		7.143

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	114		60-140



**Project Name:** T. OF DEWITT LANDFILL MONITOR  
**Project Number:** Not Specified

**Lab Number:** L2168549  
**Report Date:** 12/28/21

### SAMPLE RESULTS

Lab ID: L2168549-02 D  
 Client ID: V-11  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 12/13/21 14:40  
 Date Received: 12/13/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 12/24/21 05:34  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	46.0	2.50	--	227	12.4	--		12.5
Chloromethane	9.32	2.50	--	19.2	5.16	--		12.5
Freon-114	12.2	2.50	--	85.3	17.5	--		12.5
Vinyl chloride	8.71	2.50	--	22.3	6.39	--		12.5
1,3-Butadiene	ND	2.50	--	ND	5.53	--		12.5
Bromomethane	ND	2.50	--	ND	9.71	--		12.5
Chloroethane	22.9	2.50	--	60.4	6.60	--		12.5
Ethanol	ND	62.5	--	ND	118	--		12.5
Vinyl bromide	ND	2.50	--	ND	10.9	--		12.5
Acetone	185	12.5	--	439	29.7	--		12.5
Trichlorofluoromethane	87.1	2.50	--	489	14.0	--		12.5
Isopropanol	9.51	6.25	--	23.4	15.4	--		12.5
1,1-Dichloroethene	ND	2.50	--	ND	9.91	--		12.5
Tertiary butyl Alcohol	ND	6.25	--	ND	18.9	--		12.5
Methylene chloride	ND	6.25	--	ND	21.7	--		12.5
3-Chloropropene	ND	2.50	--	ND	7.83	--		12.5
Carbon disulfide	8.86	2.50	--	27.6	7.79	--		12.5
Freon-113	ND	2.50	--	ND	19.2	--		12.5
trans-1,2-Dichloroethene	ND	2.50	--	ND	9.91	--		12.5
1,1-Dichloroethane	ND	2.50	--	ND	10.1	--		12.5
Methyl tert butyl ether	ND	2.50	--	ND	9.01	--		12.5
2-Butanone	ND	6.25	--	ND	18.4	--		12.5
cis-1,2-Dichloroethene	ND	2.50	--	ND	9.91	--		12.5



**Project Name:** T. OF DEWITT LANDFILL MONITOR**Lab Number:** L2168549**Project Number:** Not Specified**Report Date:** 12/28/21**SAMPLE RESULTS**

Lab ID: L2168549-02 D

Date Collected: 12/13/21 14:40

Client ID: V-11

Date Received: 12/13/21

Sample Location: FISHER RD, EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	6.25	--	ND	22.5	--		12.5
Chloroform	3.25	2.50	--	15.9	12.2	--		12.5
Tetrahydrofuran	10.0	6.25	--	29.5	18.4	--		12.5
1,2-Dichloroethane	ND	2.50	--	ND	10.1	--		12.5
n-Hexane	880	2.50	--	3100	8.81	--		12.5
1,1,1-Trichloroethane	ND	2.50	--	ND	13.6	--		12.5
Benzene	10.8	2.50	--	34.5	7.99	--		12.5
Carbon tetrachloride	ND	2.50	--	ND	15.7	--		12.5
Cyclohexane	214	2.50	--	737	8.61	--		12.5
1,2-Dichloropropane	ND	2.50	--	ND	11.6	--		12.5
Bromodichloromethane	ND	2.50	--	ND	16.7	--		12.5
1,4-Dioxane	ND	2.50	--	ND	9.01	--		12.5
Trichloroethene	ND	2.50	--	ND	13.4	--		12.5
2,2,4-Trimethylpentane	313	2.50	--	1460	11.7	--		12.5
Heptane	262	2.50	--	1070	10.2	--		12.5
cis-1,3-Dichloropropene	ND	2.50	--	ND	11.3	--		12.5
4-Methyl-2-pentanone	ND	6.25	--	ND	25.6	--		12.5
trans-1,3-Dichloropropene	ND	2.50	--	ND	11.3	--		12.5
1,1,2-Trichloroethane	ND	2.50	--	ND	13.6	--		12.5
Toluene	4.62	2.50	--	17.4	9.42	--		12.5
2-Hexanone	ND	2.50	--	ND	10.2	--		12.5
Dibromochloromethane	ND	2.50	--	ND	21.3	--		12.5
1,2-Dibromoethane	ND	2.50	--	ND	19.2	--		12.5
Tetrachloroethene	ND	2.50	--	ND	17.0	--		12.5
Chlorobenzene	ND	2.50	--	ND	11.5	--		12.5
Ethylbenzene	69.6	2.50	--	302	10.9	--		12.5



**Project Name:** T. OF DEWITT LANDFILL MONITOR**Lab Number:** L2168549**Project Number:** Not Specified**Report Date:** 12/28/21**SAMPLE RESULTS**

Lab ID: L2168549-02 D

Date Collected: 12/13/21 14:40

Client ID: V-11

Date Received: 12/13/21

Sample Location: FISHER RD, EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
p/m-Xylene	26.6	5.00	--	116	21.7	--		12.5
Bromoform	ND	2.50	--	ND	25.8	--		12.5
Styrene	ND	2.50	--	ND	10.6	--		12.5
1,1,2,2-Tetrachloroethane	ND	2.50	--	ND	17.2	--		12.5
o-Xylene	15.9	2.50	--	69.1	10.9	--		12.5
4-Ethyltoluene	ND	2.50	--	ND	12.3	--		12.5
1,3,5-Trimethylbenzene	24.7	2.50	--	121	12.3	--		12.5
1,2,4-Trimethylbenzene	13.4	2.50	--	65.9	12.3	--		12.5
Benzyl chloride	ND	2.50	--	ND	12.9	--		12.5
1,3-Dichlorobenzene	ND	2.50	--	ND	15.0	--		12.5
1,4-Dichlorobenzene	20.1	2.50	--	121	15.0	--		12.5
1,2-Dichlorobenzene	ND	2.50	--	ND	15.0	--		12.5
1,2,4-Trichlorobenzene	ND	2.50	--	ND	18.6	--		12.5
Hexachlorobutadiene	ND	2.50	--	ND	26.7	--		12.5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	93		60-140



**Project Name:** T. OF DEWITT LANDFILL MONITOR**Lab Number:** L2168549**Project Number:** Not Specified**Report Date:** 12/28/21**SAMPLE RESULTS**

Lab ID: L2168549-03 D  
 Client ID: V-18  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 12/13/21 14:50  
 Date Received: 12/13/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 12/24/21 06:11  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	50.3	2.00	--	249	9.89	--		10
Chloromethane	3.34	2.00	--	6.90	4.13	--		10
Freon-114	14.9	2.00	--	104	14.0	--		10
Vinyl chloride	16.7	2.00	--	42.7	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	17.9	2.00	--	47.2	5.28	--		10
Ethanol	ND	50.0	--	ND	94.2	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	49.5	10.0	--	118	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	8.27	5.00	--	20.3	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	ND	5.00	--	ND	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	4.62	2.00	--	18.7	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	ND	5.00	--	ND	14.7	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10





**Project Name:** T. OF DEWITT LANDFILL MONITOR  
**Project Number:** Not Specified

**Lab Number:** L2168549  
**Report Date:** 12/28/21

### SAMPLE RESULTS

Lab ID: L2168549-03 D  
 Client ID: V-18  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 12/13/21 14:50  
 Date Received: 12/13/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	ND	5.00	--	ND	14.7	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	702	2.00	--	2470	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	8.25	2.00	--	26.4	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	202	2.00	--	695	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	ND	2.00	--	ND	10.7	--		10
2,2,4-Trimethylpentane	225	2.00	--	1050	9.34	--		10
Heptane	205	2.00	--	840	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	28.8	2.00	--	109	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	14.5	2.00	--	63.0	8.69	--		10



**Project Name:** T. OF DEWITT LANDFILL MONITOR**Lab Number:** L2168549**Project Number:** Not Specified**Report Date:** 12/28/21**SAMPLE RESULTS**

Lab ID: L2168549-03 D

Date Collected: 12/13/21 14:50

Client ID: V-18

Date Received: 12/13/21

Sample Location: FISHER RD, EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	28.8	4.00	--	125	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	6.07	2.00	--	26.4	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	2.51	2.00	--	12.3	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	3.39	2.00	--	20.4	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	96		60-140



**Project Name:** T. OF DEWITT LANDFILL MONITOR  
**Project Number:** Not Specified

**Lab Number:** L2168549  
**Report Date:** 12/28/21

**SAMPLE RESULTS**

Lab ID: L2168549-04  
 Client ID: BLIND DUP  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 12/13/21 00:00  
 Date Received: 12/13/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 12/28/21 08:00  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	41.0	0.200	--	203	0.989	--		1
Chloromethane	3.78	0.200	--	7.81	0.413	--		1
Freon-114	15.0	0.200	--	105	1.40	--		1
Vinyl chloride	20.6	0.200	--	52.7	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	20.9	0.200	--	55.2	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	66.8	1.00	--	159	2.38	--		1
Trichlorofluoromethane	1.88	0.200	--	10.6	1.12	--		1
Isopropanol	7.04	0.500	--	17.3	1.23	--		1
1,1-Dichloroethene	0.259	0.200	--	1.03	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.33	0.500	--	4.62	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.461	0.200	--	1.44	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	0.397	0.200	--	1.57	0.793	--		1
1,1-Dichloroethane	5.17	0.200	--	20.9	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	1.79	0.200	--	7.10	0.793	--		1



**Project Name:** T. OF DEWITT LANDFILL MONITOR  
**Project Number:** Not Specified

**Lab Number:** L2168549  
**Report Date:** 12/28/21

### SAMPLE RESULTS

Lab ID: L2168549-04  
 Client ID: BLIND DUP  
 Sample Location: FISHER RD, EAST SYRACUSE

Date Collected: 12/13/21 00:00  
 Date Received: 12/13/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.25	0.200	--	6.10	0.977	--		1
Tetrahydrofuran	2.61	0.500	--	7.70	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	453	0.200	--	1600	0.705	--	E	1
1,1,1-Trichloroethane	0.731	0.200	--	3.99	1.09	--		1
Benzene	8.15	0.200	--	26.0	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	180	0.200	--	620	0.688	--	E	1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	164	0.200	--	766	0.934	--	E	1
Heptane	155	0.200	--	635	0.820	--	E	1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	20.5	0.200	--	77.3	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.38	0.200	--	9.36	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	10.5	0.200	--	45.6	0.869	--		1



**Project Name:** T. OF DEWITT LANDFILL MONITOR**Lab Number:** L2168549**Project Number:** Not Specified**Report Date:** 12/28/21**SAMPLE RESULTS**

Lab ID: L2168549-04

Date Collected: 12/13/21 00:00

Client ID: BLIND DUP

Date Received: 12/13/21

Sample Location: FISHER RD, EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
p/m-Xylene	20.7	0.400	--	89.9	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	4.54	0.200	--	19.7	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	1.85	0.200	--	9.09	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	2.86	0.200	--	17.2	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	113		60-140



**Project Name:** T. OF DEWITT LANDFILL MONITOR**Lab Number:** L2168549**Project Number:** Not Specified**Report Date:** 12/28/21**SAMPLE RESULTS**

Lab ID: L2168549-04 D

Date Collected: 12/13/21 00:00

Client ID: BLIND DUP

Date Received: 12/13/21

Sample Location: FISHER RD, EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Soil\_Vapor

Analytical Method: 48,TO-15

Analytical Date: 12/28/21 09:03

Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	689	2.50	--	2430	8.81	--		12.5
Cyclohexane	199	2.50	--	685	8.61	--		12.5
2,2,4-Trimethylpentane	216	2.50	--	1010	11.7	--		12.5
Heptane	191	2.50	--	783	10.2	--		12.5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	76		60-140



Project Name: T. OF DEWITT LANDFILL MONITOR

Lab Number: L2168549

Project Number: Not Specified

Report Date: 12/28/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/23/21 19:44

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1587321-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: T. OF DEWITT LANDFILL MONITOR

Lab Number: L2168549

Project Number: Not Specified

Report Date: 12/28/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/23/21 19:44

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1587321-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1





Project Name: T. OF DEWITT LANDFILL MONITOR

Lab Number: L2168549

Project Number: Not Specified

Report Date: 12/28/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/23/21 19:44

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1587321-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: T. OF DEWITT LANDFILL MONITOR

Lab Number: L2168549

Project Number: Not Specified

Report Date: 12/28/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/27/21 15:07

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 04 Batch: WG1587993-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: T. OF DEWITT LANDFILL MONITOR

Lab Number: L2168549

Project Number: Not Specified

Report Date: 12/28/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/27/21 15:07

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 04 Batch: WG1587993-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: T. OF DEWITT LANDFILL MONITOR

Lab Number: L2168549

Project Number: Not Specified

Report Date: 12/28/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/27/21 15:07

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 04 Batch: WG1587993-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITOR

**Lab Number:** L2168549

**Project Number:** Not Specified

**Report Date:** 12/28/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1587321-3								
Dichlorodifluoromethane	98		-		70-130	-		
Chloromethane	102		-		70-130	-		
Freon-114	96		-		70-130	-		
Vinyl chloride	104		-		70-130	-		
1,3-Butadiene	101		-		70-130	-		
Bromomethane	101		-		70-130	-		
Chloroethane	106		-		70-130	-		
Ethanol	92		-		40-160	-		
Vinyl bromide	101		-		70-130	-		
Acetone	131		-		40-160	-		
Trichlorofluoromethane	110		-		70-130	-		
Isopropanol	117		-		40-160	-		
1,1-Dichloroethene	110		-		70-130	-		
Tertiary butyl Alcohol	103		-		70-130	-		
Methylene chloride	110		-		70-130	-		
3-Chloropropene	118		-		70-130	-		
Carbon disulfide	94		-		70-130	-		
Freon-113	100		-		70-130	-		
trans-1,2-Dichloroethene	102		-		70-130	-		
1,1-Dichloroethane	106		-		70-130	-		
Methyl tert butyl ether	98		-		70-130	-		
2-Butanone	102		-		70-130	-		
cis-1,2-Dichloroethene	109		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITOR

**Lab Number:** L2168549

**Project Number:** Not Specified

**Report Date:** 12/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1587321-3								
Ethyl Acetate	109		-		70-130	-		
Chloroform	104		-		70-130	-		
Tetrahydrofuran	103		-		70-130	-		
1,2-Dichloroethane	107		-		70-130	-		
n-Hexane	103		-		70-130	-		
1,1,1-Trichloroethane	98		-		70-130	-		
Benzene	89		-		70-130	-		
Carbon tetrachloride	102		-		70-130	-		
Cyclohexane	102		-		70-130	-		
1,2-Dichloropropane	104		-		70-130	-		
Bromodichloromethane	100		-		70-130	-		
1,4-Dioxane	101		-		70-130	-		
Trichloroethene	99		-		70-130	-		
2,2,4-Trimethylpentane	105		-		70-130	-		
Heptane	104		-		70-130	-		
cis-1,3-Dichloropropene	102		-		70-130	-		
4-Methyl-2-pentanone	105		-		70-130	-		
trans-1,3-Dichloropropene	88		-		70-130	-		
1,1,2-Trichloroethane	97		-		70-130	-		
Toluene	88		-		70-130	-		
2-Hexanone	100		-		70-130	-		
Dibromochloromethane	96		-		70-130	-		
1,2-Dibromoethane	92		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITOR

**Lab Number:** L2168549

**Project Number:** Not Specified

**Report Date:** 12/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1587321-3								
Tetrachloroethene	91		-		70-130	-		
Chlorobenzene	94		-		70-130	-		
Ethylbenzene	95		-		70-130	-		
p/m-Xylene	96		-		70-130	-		
Bromoform	96		-		70-130	-		
Styrene	93		-		70-130	-		
1,1,2,2-Tetrachloroethane	101		-		70-130	-		
o-Xylene	98		-		70-130	-		
4-Ethyltoluene	90		-		70-130	-		
1,3,5-Trimethylbenzene	94		-		70-130	-		
1,2,4-Trimethylbenzene	99		-		70-130	-		
Benzyl chloride	99		-		70-130	-		
1,3-Dichlorobenzene	91		-		70-130	-		
1,4-Dichlorobenzene	92		-		70-130	-		
1,2-Dichlorobenzene	91		-		70-130	-		
1,2,4-Trichlorobenzene	93		-		70-130	-		
Hexachlorobutadiene	90		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITOR

**Lab Number:** L2168549

**Project Number:** Not Specified

**Report Date:** 12/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 04 Batch: WG1587993-3								
Dichlorodifluoromethane	100		-		70-130	-		
Chloromethane	83		-		70-130	-		
Freon-114	97		-		70-130	-		
Vinyl chloride	91		-		70-130	-		
1,3-Butadiene	95		-		70-130	-		
Bromomethane	97		-		70-130	-		
Chloroethane	91		-		70-130	-		
Ethanol	95		-		40-160	-		
Vinyl bromide	95		-		70-130	-		
Acetone	91		-		40-160	-		
Trichlorofluoromethane	117		-		70-130	-		
Isopropanol	97		-		40-160	-		
1,1-Dichloroethene	106		-		70-130	-		
Tertiary butyl Alcohol	112		-		70-130	-		
Methylene chloride	96		-		70-130	-		
3-Chloropropene	84		-		70-130	-		
Carbon disulfide	90		-		70-130	-		
Freon-113	88		-		70-130	-		
trans-1,2-Dichloroethene	98		-		70-130	-		
1,1-Dichloroethane	104		-		70-130	-		
Methyl tert butyl ether	106		-		70-130	-		
2-Butanone	104		-		70-130	-		
cis-1,2-Dichloroethene	107		-		70-130	-		



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITOR

**Lab Number:** L2168549

**Project Number:** Not Specified

**Report Date:** 12/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 04 Batch: WG1587993-3								
Ethyl Acetate	98		-		70-130	-		
Chloroform	115		-		70-130	-		
Tetrahydrofuran	100		-		70-130	-		
1,2-Dichloroethane	123		-		70-130	-		
n-Hexane	94		-		70-130	-		
1,1,1-Trichloroethane	120		-		70-130	-		
Benzene	91		-		70-130	-		
Carbon tetrachloride	125		-		70-130	-		
Cyclohexane	94		-		70-130	-		
1,2-Dichloropropane	98		-		70-130	-		
Bromodichloromethane	116		-		70-130	-		
1,4-Dioxane	118		-		70-130	-		
Trichloroethene	111		-		70-130	-		
2,2,4-Trimethylpentane	97		-		70-130	-		
Heptane	96		-		70-130	-		
cis-1,3-Dichloropropene	108		-		70-130	-		
4-Methyl-2-pentanone	112		-		70-130	-		
trans-1,3-Dichloropropene	96		-		70-130	-		
1,1,2-Trichloroethane	106		-		70-130	-		
Toluene	86		-		70-130	-		
2-Hexanone	102		-		70-130	-		
Dibromochloromethane	115		-		70-130	-		
1,2-Dibromoethane	98		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. OF DEWITT LANDFILL MONITOR

**Lab Number:** L2168549

**Project Number:** Not Specified

**Report Date:** 12/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 04 Batch: WG1587993-3								
Tetrachloroethene	97		-		70-130	-		
Chlorobenzene	94		-		70-130	-		
Ethylbenzene	98		-		70-130	-		
p/m-Xylene	100		-		70-130	-		
Bromoform	122		-		70-130	-		
Styrene	97		-		70-130	-		
1,1,2,2-Tetrachloroethane	96		-		70-130	-		
o-Xylene	103		-		70-130	-		
4-Ethyltoluene	97		-		70-130	-		
1,3,5-Trimethylbenzene	102		-		70-130	-		
1,2,4-Trimethylbenzene	107		-		70-130	-		
Benzyl chloride	84		-		70-130	-		
1,3-Dichlorobenzene	104		-		70-130	-		
1,4-Dichlorobenzene	104		-		70-130	-		
1,2-Dichlorobenzene	106		-		70-130	-		
1,2,4-Trichlorobenzene	116		-		70-130	-		
Hexachlorobutadiene	117		-		70-130	-		

## Lab Duplicate Analysis

### Batch Quality Control

Project Name: T. OF DEWITT LANDFILL MONITOR

Project Number: Not Specified

Lab Number: L2168549

Report Date: 12/28/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1587321-5 QC Sample: L2168549-01 Client ID: V-10						
Dichlorodifluoromethane	65.8	55.3	ppbV	17		25
Chloromethane	13.8	13.8	ppbV	0		25
Freon-114	11.3	10.5	ppbV	7		25
Vinyl chloride	24.3	21.6	ppbV	12		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	17.0	15.0	ppbV	13		25
Ethanol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	253	200	ppbV	23		25
Trichlorofluoromethane	93.0	72.9	ppbV	24		25
Isopropanol	16.6	12.3	ppbV	30	Q	25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	7.93	7.28	ppbV	9		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

## Lab Duplicate Analysis

### Batch Quality Control

Project Name: T. OF DEWITT LANDFILL MONITOR

Project Number: Not Specified

Lab Number: L2168549

Report Date: 12/28/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1587321-5 QC Sample: L2168549-01 Client ID: V-10						
2-Butanone	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	32.7	32.4	ppbV	1		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	568	594	ppbV	4		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	4.86	5.34	ppbV	9		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	185	195	ppbV	5		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	ND	1.47	ppbV	NC		25
2,2,4-Trimethylpentane	216	227	ppbV	5		25
Heptane	169	178	ppbV	5		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25

## Lab Duplicate Analysis

### Batch Quality Control

Project Name: T. OF DEWITT LANDFILL MONITOR

Project Number: Not Specified

Lab Number: L2168549

Report Date: 12/28/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1587321-5 QC Sample: L2168549-01 Client ID: V-10						
Toluene	2.77	2.87	ppbV	4		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	5.23	5.44	ppbV	4		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	20.1	21.5	ppbV	7		25
p/m-Xylene	14.2	15.1	ppbV	6		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	7.74	7.55	ppbV	2		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	4.18	4.68	ppbV	11		25
1,2,4-Trimethylbenzene	2.74	2.99	ppbV	9		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	9.76	11.0	ppbV	12		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: T. OF DEWITT LANDFILL MONITOR

Serial\_No:12282111:28  
Lab Number: L2168549

Project Number:

Report Date: 12/28/21

### Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2168549-01	V-10	3447	2.7L Can	12/06/21	372124	L2165694-07	Pass	-29.2	-1.8	-	-	-	-
L2168549-02	V-11	3405	2.7L Can	12/06/21	372124	L2165694-07	Pass	-29.2	-1.3	-	-	-	-
L2168549-03	V-18	559	2.7L Can	12/06/21	372124	L2165694-07	Pass	-29.2	-3.0	-	-	-	-
L2168549-04	BLIND DUP	1728	2.7L Can	12/06/21	372124	L2165694-07	Pass	-29.2	-3.5	-	-	-	-

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2165694  
**Report Date:** 12/28/21

### Air Canister Certification Results

Lab ID: L2165694-07  
 Client ID: CAN 559 SHELF 2  
 Sample Location:

Date Collected: 12/01/21 08:00  
 Date Received: 12/01/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 12/01/21 20:37  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2165694  
**Report Date:** 12/28/21

### Air Canister Certification Results

Lab ID: L2165694-07  
 Client ID: CAN 559 SHELF 2  
 Sample Location:

Date Collected: 12/01/21 08:00  
 Date Received: 12/01/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1





**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2165694  
**Report Date:** 12/28/21

### Air Canister Certification Results

Lab ID: L2165694-07  
 Client ID: CAN 559 SHELF 2  
 Sample Location:

Date Collected: 12/01/21 08:00  
 Date Received: 12/01/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2165694  
**Report Date:** 12/28/21

### Air Canister Certification Results

Lab ID: L2165694-07  
 Client ID: CAN 559 SHELF 2  
 Sample Location:

Date Collected: 12/01/21 08:00  
 Date Received: 12/01/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2165694  
**Report Date:** 12/28/21

### Air Canister Certification Results

Lab ID: L2165694-07  
 Client ID: CAN 559 SHELF 2  
 Sample Location:

Date Collected: 12/01/21 08:00  
 Date Received: 12/01/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	91		60-140



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2165694  
**Report Date:** 12/28/21

### Air Canister Certification Results

Lab ID: L2165694-07  
 Client ID: CAN 559 SHELF 2  
 Sample Location:

Date Collected: 12/01/21 08:00  
 Date Received: 12/01/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 12/01/21 20:37  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2165694  
**Report Date:** 12/28/21

### Air Canister Certification Results

Lab ID: L2165694-07  
 Client ID: CAN 559 SHELF 2  
 Sample Location:

Date Collected: 12/01/21 08:00  
 Date Received: 12/01/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2165694  
**Report Date:** 12/28/21

### Air Canister Certification Results

Lab ID: L2165694-07  
 Client ID: CAN 559 SHELF 2  
 Sample Location:

Date Collected: 12/01/21 08:00  
 Date Received: 12/01/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140



**Project Name:** T. OF DEWITT LANDFILL MONITOR**Lab Number:** L2168549**Project Number:** Not Specified**Report Date:** 12/28/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information****Cooler**                      **Custody Seal**

NA                                      Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2168549-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2168549-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2168549-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2168549-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

**Project Name:** T. OF DEWITT LANDFILL MONITOR  
**Project Number:** Not Specified

**Lab Number:** L2168549  
**Report Date:** 12/28/21

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report





**Project Name:** T. OF DEWITT LANDFILL MONITOR  
**Project Number:** Not Specified

**Lab Number:** L2168549  
**Report Date:** 12/28/21

#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report



**Project Name:** T. OF DEWITT LANDFILL MONITOR  
**Project Number:** Not Specified

**Lab Number:** L2168549  
**Report Date:** 12/28/21

**Data Qualifiers**

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Project Name:** T. OF DEWITT LANDFILL MONITOR  
**Project Number:** Not Specified

**Lab Number:** L2168549  
**Report Date:** 12/28/21

## REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

---

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpeneol

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpeneol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

---

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

---

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



# AIR ANALYSIS

PAGE \_\_\_\_\_ OF \_\_\_\_\_

**CHAIN OF CUSTODY**

320 Forbes Blvd, Mansfield, MA 02048  
 TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: K. Gould Groundwater

Address:

Phone:

Fax:

Email:

These samples have been previously analyzed by Alpha

**Project Information**

Project Name: Town of Dewitt

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

**Turn-Around Time**

Standard  RUSH (only confirmed if pre-approved!!)

Date Due: \_\_\_\_\_ Time: \_\_\_\_\_

Date Rec'd in Lab: 12/14/21

**Report Information - Data Deliverables**

FAX  
 ADEx  
 Criteria Checker: \_\_\_\_\_  
(Default based on Regulatory Criteria Indicated)  
 Other Formats: \_\_\_\_\_

EMAIL (standard pdf report)  
 Additional Deliverables: \_\_\_\_\_

Report to: (if different than Project Manager)

ALPHA Job #: L2168549

**Billing Information**

Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List:

**All Columns Below Must Be Filled Out**

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION					Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15 L/L	TO-15 SIM	APH <small>Support Non-petroleum HCs</small>	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum											
<u>6549-01</u>	<u>V-10</u>	<u>12-13-21</u>	<u>1430</u>	<u>1430</u>		<u>AA</u>	<u>TW</u>		<u>3447</u>	<u>0103</u>	<u>X</u>						
<u>-02</u>	<u>V-11</u>	<u>12-13-21</u>	<u>1440</u>	<u>1440</u>		<u>AA</u>	<u>TW</u>			<u>0071</u>	<u>X</u>						
<u>-03</u>	<u>V-18</u>	<u>12-13-21</u>	<u>1450</u>	<u>1450</u>		<u>AA</u>	<u>TW</u>		<u>559</u>	<u>132</u>	<u>X</u>						
<u>-04</u>	<u>Blind Dup</u>	<u>12-13-21</u>				<u>AA</u>	<u>TW</u>		<u>1728</u>	<u>132</u>	<u>X</u>						

\*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)  
 SV = Soil Vapor/Landfill Gas/SVE  
 Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By: Wendy Monahan Date/Time: 12-13-21/1540

Received By: Wendy Monahan Date/Time: 12/14/21 0930

Wendy Monahan 12/14/21 0505



 <p><b>AIR ANALYSIS</b> CHAIN OF CUSTODY</p> <p>320 Forbes Blvd, Mansfield, MA 02048 TEL: 508-822-9300 FAX: 508-822-3288</p>	PAGE _____ OF _____ <b>Project Information</b> Project Name: <i>T. of Dewitt Landfill</i> Project Location: <i>Fisher Rd, East Syracuse</i> Project #: _____ Project Manager: <i>Gerry Gould/Miller Engineers</i> ALPHA Quote #: _____ <b>Turn-Around Time</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH (only confirmed if pre-approved) Date Due: _____ Time: _____	<b>Date Rec'd in Lab:</b> <i>12/14/21</i> <b>Report Information - Data Deliverables</b> <input type="checkbox"/> FAX <input type="checkbox"/> ADEx Criteria Checker: _____ (Default based on Regulatory Criteria Indicated) Other Formats: _____ <input type="checkbox"/> EMAIL (standard pdf report) <input type="checkbox"/> Additional Deliverables: _____ Report to: (if different than Project Manager) _____	<b>ALPHA Job #: L2168549</b> <b>Billing Information</b> <input type="checkbox"/> Same as Client info    PO #: _____ <b>Regulatory Requirements/Report Limits</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>State/Fed</th> <th>Program</th> <th>Res / Comm</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	State/Fed	Program	Res / Comm			
State/Fed	Program	Res / Comm							
<b>Client Information</b> Client: <i>T. of Dewitt c/o Kerrie Fusco</i> Address: <i>5400 Butternut Drive</i> <i>East Syracuse, NY 13057</i> Phone: <i>cell: 315-569-2144</i> Fax: _____ Email: <i>ggould@gouldgw.com</i> <input type="checkbox"/> These samples have been previously analyzed by Alpha	<b>Other Project Specific Requirements/Comments:</b> Project-Specific Target Compound List: <input type="checkbox"/>								

**ANALYSIS**

TO-15

TO-15 SIM

APH

Fixed Gases

Sulfides & Mercaptans by TO-15

**All Columns Below Must Be Filled Out**

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION					Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum											
<i>68549-01</i>	<i>V-10</i>	<i>12-13-21</i>	<i>-</i>	<i>1430</i>	<i>-17.56</i>	<i>-0.00</i>	<i>SV</i>	<i>TM/BS</i>	<i>2.7</i>	<i>3447</i>	<i>GRB003</i>	<i>X</i>					
<i>02</i>	<i>V-11</i>	<i>12-13-21</i>	<i>-</i>	<i>1440</i>	<i>-21.37</i>	<i>-0.00</i>	<i>SV</i>	<i> </i>		<i>3405</i>	<i>GRB001</i>	<i>X</i>					
<i>03</i>	<i>V-18</i>	<i>12-13-21</i>	<i>-</i>	<i>1450</i>	<i>-18.11</i>	<i>-0.00</i>	<i>SV</i>	<i> </i>		<i>559</i>	<i>GRB 132</i>	<i>X</i>					
<i>04</i>	<i>Blind Dup</i>	<i>12-13-21</i>	<i>-</i>	<i>-</i>	<i>-22.87</i>	<i>-0.00</i>	<i>SV</i>	<i>↓</i>		<i>1729</i>		<i>X</i>					

<p><b>*SAMPLE MATRIX CODES</b></p> <p>AA = Ambient Air (Indoor/Outdoor)                  SV = Soil Vapor/Landfill Gas/SVE                  Other = Please Specify</p>	<p>Container Type</p>	<p>Relinquished By: <i>AAL</i></p> <p>Date/Time: <i>12-13-21/1640</i></p>	<p>Received By:</p> <p>Date/Time:</p>
---	-----------------------	---	---------------------------------------

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



## ANALYTICAL REPORT

Lab Number:	L2168577
Client:	Town of Dewitt 5400 Butternut Drive East Syracuse, NY 13057
ATTN:	Kerri Fusco
Phone:	(315) 446-3392
Project Name:	T. DEWITT LANDFILL MONITORING
Project Number:	1128-2021-SW
Report Date:	12/31/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

---

Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2168577-01	SW-1	WATER	FISHER RD., EAST SYRACUSE	12/13/21 15:20	12/14/21
L2168577-02	SW-2	WATER	FISHER RD., EAST SYRACUSE	12/13/21 15:10	12/14/21
L2168577-03	SW-3	WATER	FISHER RD., EAST SYRACUSE	12/13/21 15:45	12/14/21
L2168577-04	TRIP BLANK	WATER	FISHER RD., EAST SYRACUSE	12/13/21 00:00	12/14/21



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

---

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Sample Receipt

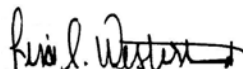
L2168577-03: The sample was received above the appropriate pH for the Total Hg, Total Metals analysis. The laboratory added additional HNO<sub>3</sub> to a pH <2.

#### Total Metals

L2168577-02 and -03: The sample has elevated detection limits for all elements, due to the prep dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Lisa Westerlind

Title: Technical Director/Representative

Date: 12/31/21

# ORGANICS

# VOLATILES

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168577-01  
 Client ID: SW-1  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 15:20  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 10:12  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168577-01  
 Client ID: SW-1  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 15:20  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	96		60-140
Fluorobenzene	103		60-140
4-Bromofluorobenzene	95		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168577-02  
 Client ID: SW-2  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 15:10  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 10:42  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168577-02  
 Client ID: SW-2  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 15:10  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	2.7	J	ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	97		60-140
Fluorobenzene	103		60-140
4-Bromofluorobenzene	98		60-140



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168577-03  
 Client ID: SW-3  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 15:45  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 11:11  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168577-03  
 Client ID: SW-3  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 15:45  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	8.0	J	ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	96		60-140
Fluorobenzene	103		60-140
4-Bromofluorobenzene	100		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168577-04  
 Client ID: TRIP BLANK  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 00:00  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 07:44  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168577-04  
 Client ID: TRIP BLANK  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 00:00  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	96		60-140
Fluorobenzene	101		60-140
4-Bromofluorobenzene	98		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 128,624.1  
Analytical Date: 12/15/21 06:15  
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1584120-4					
Methylene chloride	ND		ug/l	1.0	0.56
1,1-Dichloroethane	ND		ug/l	1.5	0.40
Chloroform	ND		ug/l	1.0	0.38
Carbon tetrachloride	ND		ug/l	1.0	0.24
1,2-Dichloropropane	ND		ug/l	3.5	0.46
Dibromochloromethane	ND		ug/l	1.0	0.27
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.35
Tetrachloroethene	ND		ug/l	1.0	0.26
Chlorobenzene	ND		ug/l	3.5	0.30
Trichlorofluoromethane	ND		ug/l	5.0	0.28
1,2-Dichloroethane	ND		ug/l	1.5	0.47
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29
Bromodichloromethane	ND		ug/l	1.0	0.28
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34
Bromoform	ND		ug/l	1.0	0.22
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20
Benzene	ND		ug/l	1.0	0.38
Toluene	ND		ug/l	1.0	0.31
Ethylbenzene	ND		ug/l	1.0	0.28
Chloromethane	ND		ug/l	5.0	1.0
Bromomethane	ND		ug/l	5.0	1.2
Vinyl chloride	ND		ug/l	1.0	0.38
Chloroethane	ND		ug/l	2.0	0.37
1,1-Dichloroethene	ND		ug/l	1.0	0.31
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17
Trichloroethene	ND		ug/l	1.0	0.33

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 128,624.1  
Analytical Date: 12/15/21 06:15  
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1584120-4					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	ND		ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	ND		ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	ND		ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	ND		ug/l	1.0	0.23

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	100		60-140
Fluorobenzene	103		60-140
4-Bromofluorobenzene	100		60-140

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING

**Lab Number:** L2168577

**Project Number:** 1128-2021-SW

**Report Date:** 12/31/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1584120-3								
Methylene chloride	90		-		60-140	-		28
1,1-Dichloroethane	95		-		50-150	-		49
Chloroform	95		-		70-135	-		54
Carbon tetrachloride	90		-		70-130	-		41
1,2-Dichloropropane	100		-		35-165	-		55
Dibromochloromethane	80		-		70-135	-		50
1,1,2-Trichloroethane	85		-		70-130	-		45
2-Chloroethylvinyl ether	110		-		1-225	-		71
Tetrachloroethene	85		-		70-130	-		39
Chlorobenzene	85		-		65-135	-		53
Trichlorofluoromethane	95		-		50-150	-		84
1,2-Dichloroethane	100		-		70-130	-		49
1,1,1-Trichloroethane	95		-		70-130	-		36
Bromodichloromethane	90		-		65-135	-		56
trans-1,3-Dichloropropene	80		-		50-150	-		86
cis-1,3-Dichloropropene	90		-		25-175	-		58
Bromoform	75		-		70-130	-		42
1,1,2,2-Tetrachloroethane	85		-		60-140	-		61
Benzene	95		-		65-135	-		61
Toluene	90		-		70-130	-		41
Ethylbenzene	95		-		60-140	-		63
Chloromethane	105		-		1-205	-		60
Bromomethane	95		-		15-185	-		61

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING

**Lab Number:** L2168577

**Project Number:** 1128-2021-SW

**Report Date:** 12/31/21

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1584120-3								
Vinyl chloride	90		-		5-195	-		66
Chloroethane	90		-		40-160	-		78
1,1-Dichloroethene	95		-		50-150	-		32
trans-1,2-Dichloroethene	95		-		70-130	-		45
cis-1,2-Dichloroethene	100		-		60-140	-		30
Trichloroethene	90		-		65-135	-		48
1,2-Dichlorobenzene	90		-		65-135	-		57
1,3-Dichlorobenzene	90		-		70-130	-		43
1,4-Dichlorobenzene	90		-		65-135	-		57
p/m-Xylene	90		-		60-140	-		30
o-xylene	85		-		60-140	-		30
Styrene	85		-		60-140	-		30
Acetone	108		-		40-160	-		30
Carbon disulfide	90		-		60-140	-		30
2-Butanone	100		-		60-140	-		30
Vinyl acetate	80		-		60-140	-		30
4-Methyl-2-pentanone	88		-		60-140	-		30
2-Hexanone	90		-		60-140	-		30
Acrolein	120		-		60-140	-		30
Acrylonitrile	92		-		60-140	-		60
Dibromomethane	95		-		70-130	-		30



## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
-----------	-------------------------	-------------	--------------------------	-------------	----------------------------	------------	-------------	----------------------

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1584120-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
Pentafluorobenzene	103				60-140
Fluorobenzene	105				60-140
4-Bromofluorobenzene	100				60-140

## METALS

**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168577**Project Number:** 1128-2021-SW**Report Date:** 12/31/21**SAMPLE RESULTS**

Lab ID: L2168577-01

Date Collected: 12/13/21 15:20

Client ID: SW-1

Date Received: 12/14/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.050	0.007	1	12/23/21 09:47	12/30/21 12:21	EPA 3005A	19,200.7	JC
Arsenic, Total	0.003	J	mg/l	0.005	0.002	1	12/23/21 09:47	12/30/21 12:21	EPA 3005A	19,200.7	JC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 12:21	EPA 3005A	19,200.7	JC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 12:21	EPA 3005A	19,200.7	JC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 12:21	EPA 3005A	19,200.7	JC
Copper, Total	ND		mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 12:21	EPA 3005A	19,200.7	JC
Lead, Total	0.004	J	mg/l	0.010	0.003	1	12/23/21 09:47	12/30/21 12:21	EPA 3005A	19,200.7	JC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/23/21 09:50	12/24/21 09:44	EPA 245.1	3,245.1	AC
Nickel, Total	ND		mg/l	0.025	0.002	1	12/23/21 09:47	12/30/21 12:21	EPA 3005A	19,200.7	JC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/23/21 09:47	12/30/21 12:21	EPA 3005A	19,200.7	JC
Silver, Total	ND		mg/l	0.007	0.003	1	12/23/21 09:47	12/30/21 12:21	EPA 3005A	19,200.7	JC
Thallium, Total	ND		mg/l	0.020	0.003	1	12/23/21 09:47	12/30/21 12:21	EPA 3005A	19,200.7	JC
Zinc, Total	0.019	J	mg/l	0.050	0.002	1	12/23/21 09:47	12/30/21 12:21	EPA 3005A	19,200.7	JC



**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168577**Project Number:** 1128-2021-SW**Report Date:** 12/31/21**SAMPLE RESULTS**

Lab ID: L2168577-02

Date Collected: 12/13/21 15:10

Client ID: SW-2

Date Received: 12/14/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.500	0.071	1	12/23/21 09:47	12/30/21 13:18	EPA 3005A	19,200.7	JC
Arsenic, Total	0.123		mg/l	0.050	0.019	1	12/23/21 09:47	12/30/21 13:18	EPA 3005A	19,200.7	JC
Beryllium, Total	ND		mg/l	0.050	0.009	1	12/23/21 09:47	12/30/21 13:18	EPA 3005A	19,200.7	JC
Cadmium, Total	0.011	J	mg/l	0.050	0.010	1	12/23/21 09:47	12/30/21 13:18	EPA 3005A	19,200.7	JC
Chromium, Total	ND		mg/l	0.100	0.021	1	12/23/21 09:47	12/30/21 13:18	EPA 3005A	19,200.7	JC
Copper, Total	0.037	J	mg/l	0.100	0.022	1	12/23/21 09:47	12/30/21 13:18	EPA 3005A	19,200.7	JC
Lead, Total	0.048	J	mg/l	0.100	0.027	1	12/23/21 09:47	12/30/21 13:18	EPA 3005A	19,200.7	JC
Mercury, Total	ND		mg/l	0.00100	0.00045	1	12/23/21 09:50	12/24/21 09:47	EPA 245.1	3,245.1	AC
Nickel, Total	0.032	J	mg/l	0.250	0.024	1	12/23/21 09:47	12/30/21 13:18	EPA 3005A	19,200.7	JC
Selenium, Total	ND		mg/l	0.100	0.035	1	12/23/21 09:47	12/30/21 13:18	EPA 3005A	19,200.7	JC
Silver, Total	ND		mg/l	0.070	0.028	1	12/23/21 09:47	12/30/21 13:18	EPA 3005A	19,200.7	JC
Thallium, Total	ND		mg/l	0.200	0.025	1	12/23/21 09:47	12/30/21 13:18	EPA 3005A	19,200.7	JC
Zinc, Total	0.306	J	mg/l	0.500	0.021	1	12/23/21 09:47	12/30/21 13:18	EPA 3005A	19,200.7	JC



**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168577**Project Number:** 1128-2021-SW**Report Date:** 12/31/21**SAMPLE RESULTS**

Lab ID: L2168577-03

Date Collected: 12/13/21 15:45

Client ID: SW-3

Date Received: 12/14/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.500	0.071	1	12/23/21 09:47	12/30/21 12:15	EPA 3005A	19,200.7	JC
Arsenic, Total	0.293		mg/l	0.050	0.019	1	12/23/21 09:47	12/30/21 12:15	EPA 3005A	19,200.7	JC
Beryllium, Total	ND		mg/l	0.050	0.009	1	12/23/21 09:47	12/30/21 12:15	EPA 3005A	19,200.7	JC
Cadmium, Total	0.066		mg/l	0.050	0.010	1	12/23/21 09:47	12/30/21 12:15	EPA 3005A	19,200.7	JC
Chromium, Total	ND		mg/l	0.100	0.021	1	12/23/21 09:47	12/30/21 12:15	EPA 3005A	19,200.7	JC
Copper, Total	0.157		mg/l	0.100	0.022	1	12/23/21 09:47	12/30/21 12:15	EPA 3005A	19,200.7	JC
Lead, Total	0.116		mg/l	0.100	0.027	1	12/23/21 09:47	12/30/21 12:15	EPA 3005A	19,200.7	JC
Mercury, Total	0.00052	J	mg/l	0.00100	0.00045	1	12/23/21 09:50	12/24/21 09:51	EPA 245.1	3,245.1	AC
Nickel, Total	ND		mg/l	0.250	0.024	1	12/23/21 09:47	12/30/21 12:15	EPA 3005A	19,200.7	JC
Selenium, Total	ND		mg/l	0.100	0.035	1	12/23/21 09:47	12/30/21 12:15	EPA 3005A	19,200.7	JC
Silver, Total	ND		mg/l	0.070	0.028	1	12/23/21 09:47	12/30/21 12:15	EPA 3005A	19,200.7	JC
Thallium, Total	ND		mg/l	0.200	0.025	1	12/23/21 09:47	12/30/21 12:15	EPA 3005A	19,200.7	JC
Zinc, Total	0.736		mg/l	0.500	0.021	1	12/23/21 09:47	12/30/21 12:15	EPA 3005A	19,200.7	JC



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1586144-1									
Antimony, Total	ND	mg/l	0.050	0.007	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Arsenic, Total	ND	mg/l	0.005	0.002	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Beryllium, Total	ND	mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Cadmium, Total	ND	mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Chromium, Total	ND	mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Copper, Total	ND	mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Lead, Total	ND	mg/l	0.010	0.003	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Nickel, Total	ND	mg/l	0.025	0.002	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Selenium, Total	ND	mg/l	0.010	0.004	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Silver, Total	ND	mg/l	0.007	0.003	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Thallium, Total	ND	mg/l	0.020	0.003	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Zinc, Total	ND	mg/l	0.050	0.002	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC

### Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1586145-1									
Mercury, Total	ND	mg/l	0.00020	0.00009	1	12/23/21 09:50	12/24/21 09:11	3,245.1	AC

### Prep Information

Digestion Method: EPA 245.1



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING

**Lab Number:** L2168577

**Project Number:** 1128-2021-SW

**Report Date:** 12/31/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1586144-2								
Antimony, Total	101		-		85-115	-		
Arsenic, Total	111		-		85-115	-		
Beryllium, Total	106		-		85-115	-		
Cadmium, Total	102		-		85-115	-		
Chromium, Total	102		-		85-115	-		
Copper, Total	104		-		85-115	-		
Lead, Total	100		-		85-115	-		
Nickel, Total	99		-		85-115	-		
Selenium, Total	110		-		85-115	-		
Silver, Total	103		-		85-115	-		
Thallium, Total	103		-		85-115	-		
Zinc, Total	101		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1586145-2								
Mercury, Total	94		-		85-115	-		

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: T. DEWITT LANDFILL MONITORING

Lab Number: L2168577

Project Number: 1128-2021-SW

Report Date: 12/31/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03    QC Batch ID: WG1586144-3    QC Sample: L2168577-01    Client ID: SW-1												
Antimony, Total	ND	0.5	0.524	105		-	-		75-125	-		20
Arsenic, Total	0.003J	0.12	0.138	115		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.051	102		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.055	103		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.203	102		-	-		75-125	-		20
Copper, Total	ND	0.25	0.272	109		-	-		75-125	-		20
Lead, Total	0.004J	0.53	0.538	102		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.499	100		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.135	112		-	-		75-125	-		20
Silver, Total	ND	0.05	0.054	107		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.122	102		-	-		75-125	-		20
Zinc, Total	0.019J	0.5	0.526	105		-	-		75-125	-		20



### Matrix Spike Analysis Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
<b>Total Metals - Mansfield Lab Associated sample(s): 01-03    QC Batch ID: WG1586144-7    QC Sample: L2168577-02    Client ID: SW-2</b>									
Antimony, Total	ND	5	4.77	95	-	-	75-125	-	20
Arsenic, Total	0.123	1.2	1.46	111	-	-	75-125	-	20
Beryllium, Total	ND	0.5	0.521	104	-	-	75-125	-	20
Cadmium, Total	0.011J	0.53	0.560	106	-	-	75-125	-	20
Chromium, Total	ND	2	2.05	102	-	-	75-125	-	20
Copper, Total	0.037J	2.5	2.71	108	-	-	75-125	-	20
Lead, Total	0.048J	5.3	5.45	103	-	-	75-125	-	20
Nickel, Total	0.032J	5	5.07	101	-	-	75-125	-	20
Selenium, Total	ND	1.2	1.21	101	-	-	75-125	-	20
Silver, Total	ND	0.5	0.534	107	-	-	75-125	-	20
Thallium, Total	ND	1.2	1.25	104	-	-	75-125	-	20
Zinc, Total	0.306J	5	5.40	108	-	-	75-125	-	20
<b>Total Metals - Mansfield Lab Associated sample(s): 01-03    QC Batch ID: WG1586145-3    QC Sample: L2168581-01    Client ID: MS Sample</b>									
Mercury, Total	ND	0.005	0.00466	93	-	-	70-130	-	20
<b>Total Metals - Mansfield Lab Associated sample(s): 01-03    QC Batch ID: WG1586145-5    QC Sample: L2168581-02    Client ID: MS Sample</b>									
Mercury, Total	ND	0.025	0.02314	92	-	-	70-130	-	20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: T. DEWITT LANDFILL MONITORING

Project Number: 1128-2021-SW

Lab Number: L2168577

Report Date: 12/31/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1586144-4 QC Sample: L2168577-01 Client ID: SW-1						
Antimony, Total	ND	ND	mg/l	NC		20
Arsenic, Total	0.003J	0.002J	mg/l	NC		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Copper, Total	ND	ND	mg/l	NC		20
Lead, Total	0.004J	0.003J	mg/l	NC		20
Nickel, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Thallium, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.019J	0.020J	mg/l	NC		20

**Lab Duplicate Analysis**  
*Batch Quality Control*

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
<b>Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1586144-8 QC Sample: L2168577-02 Client ID: SW-2</b>					
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	0.123	0.120	mg/l	2	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	0.011J	0.011J	mg/l	NC	20
Chromium, Total	ND	ND	mg/l	NC	20
Copper, Total	0.037J	0.038J	mg/l	NC	20
Lead, Total	0.048J	0.045J	mg/l	NC	20
Nickel, Total	0.032J	0.036J	mg/l	NC	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Thallium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.306J	0.302J	mg/l	NC	20
<b>Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1586145-4 QC Sample: L2168581-01 Client ID: DUP Sample</b>					
Mercury, Total	ND	ND	mg/l	NC	20
<b>Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1586145-6 QC Sample: L2168581-02 Client ID: DUP Sample</b>					
Mercury, Total	ND	ND	mg/l	NC	20



# **INORGANICS & MISCELLANEOUS**

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

**Lab ID:** L2168577-01  
**Client ID:** SW-1  
**Sample Location:** FISHER RD., EAST SYRACUSE

**Date Collected:** 12/13/21 15:20  
**Date Received:** 12/14/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	500		mg/l	10	3.1	1	-	12/19/21 06:00	121,2540C	DW



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

**Lab ID:** L2168577-02  
**Client ID:** SW-2  
**Sample Location:** FISHER RD., EAST SYRACUSE

**Date Collected:** 12/13/21 15:10  
**Date Received:** 12/14/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	690		mg/l	20	6.1	2	-	12/19/21 06:00	121,2540C	DW



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168577-03  
 Client ID: SW-3  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 15:45  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	490		mg/l	20	6.1	2	-	12/19/21 06:00	121,2540C	DW



**Project Name:** T. DEWITT LANDFILL MONITORING

**Lab Number:** L2168577

**Project Number:** 1128-2021-SW

**Report Date:** 12/31/21

**Method Blank Analysis  
Batch Quality Control**

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1585128-1									
Solids, Total Dissolved	ND	mg/l	10	3.1	1	-	12/19/21 06:00	121,2540C	DW





### Lab Control Sample Analysis Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1585128-2								
Solids, Total Dissolved	96		-		80-120	-		



## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** T. DEWITT LANDFILL MONITORING

**Project Number:** 1128-2021-SW

**Lab Number:** L2168577

**Report Date:** 12/31/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1585128-3 QC Sample: L2168477-03 Client ID: DUP Sample						
Solids, Total Dissolved	1800	1900	mg/l	5		10

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information**

**Cooler**                      **Custody Seal**  
C                                      Absent

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2168577-01A	Vial Na2S2O3 preserved	C	NA		5.4	Y	Absent		624.1(3)
L2168577-01B	Vial Na2S2O3 preserved	C	NA		5.4	Y	Absent		624.1(3)
L2168577-01C	Vial Na2S2O3 preserved	C	NA		5.4	Y	Absent		624.1(3)
L2168577-01D	Plastic 250ml unpreserved	C	7	7	5.4	Y	Absent		TDS-2540(7)
L2168577-01E	Plastic 250ml HNO3 preserved	C	<2	<2	5.4	Y	Absent		SB-UI(180),NI-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),CR-UI(180),BE-UI(180),CU-UI(180),AS-UI(180),TL-UI(180),PB-UI(180)
L2168577-02A	Vial Na2S2O3 preserved	C	NA		5.4	Y	Absent		624.1(3)
L2168577-02B	Vial Na2S2O3 preserved	C	NA		5.4	Y	Absent		624.1(3)
L2168577-02C	Vial Na2S2O3 preserved	C	NA		5.4	Y	Absent		624.1(3)
L2168577-02D	Plastic 250ml unpreserved	C	7	7	5.4	Y	Absent		TDS-2540(7)
L2168577-02E	Plastic 250ml HNO3 preserved	C	<2	<2	5.4	Y	Absent		NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),CR-UI(180),BE-UI(180),TL-UI(180),PB-UI(180),AS-UI(180),CU-UI(180)
L2168577-03A	Vial Na2S2O3 preserved	C	NA		5.4	Y	Absent		624.1(3)
L2168577-03B	Vial Na2S2O3 preserved	C	NA		5.4	Y	Absent		624.1(3)
L2168577-03C	Vial Na2S2O3 preserved	C	NA		5.4	Y	Absent		624.1(3)
L2168577-03D	Plastic 250ml unpreserved	C	7	7	5.4	Y	Absent		TDS-2540(7)
L2168577-03E	Plastic 250ml HNO3 preserved	C	5	<2	5.4	N	Absent		NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),CU-UI(180),AS-UI(180),PB-UI(180),TL-UI(180)
L2168577-04A	Vial Na2S2O3 preserved	C	NA		5.4	Y	Absent		624.1(3)
L2168577-04B	Vial Na2S2O3 preserved	C	NA		5.4	Y	Absent		624.1(3)

**Project Name:** T. DEWITT LANDFILL MONITORING

**Project Number:** 1128-2021-SW

Serial\_No:12312116:14

**Lab Number:** L2168577

**Report Date:** 12/31/21

**Container Information**

**Container ID**   **Container Type**

**Cooler**   **Initial pH**   **Final pH**   **Temp deg C**   **Pres**   **Seal**

**Frozen Date/Time**

**Analysis(\*)**

**Container Comments**

L2168577-02C   Container received empty.

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

**Data Qualifiers**

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-SW

**Lab Number:** L2168577  
**Report Date:** 12/31/21

## REFERENCES

- 3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.
- 19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.





## Certification Information

---

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpeneol

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpeneol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

---

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.


**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

---

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 <b>NEW YORK CHAIN OF CUSTODY</b> Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1 of 1	Date Rec'd in Lab <span style="font-size: 1.5em; font-family: cursive;">12/15/21</span>	ALPHA Job # <span style="font-size: 1.5em; font-family: cursive;">L2168577</span>							
	<b>Project Information</b> Project Name: T. of Dewitt Landfill Monitoring Project Location: Fisher Rd, East Syracuse Project # 1128-2021-SW (Use Project name as Project #) <input type="checkbox"/>		<b>Deliverables</b> <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		<b>Billing Information</b> <input checked="" type="checkbox"/> Same as Client Info PO #						
<b>Client Information</b> Client: T. of Dewitt c/o Kerrie Fusco Address: 5400 Butternut Drive East Syracuse, NY 13057 Phone: (315) 569-2144 cell Fax: Email: ggould@gouldgw.com		<b>Regulatory Requirement</b> <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:							
These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments: Client Code: DEWITT		<b>ANALYSIS</b>		<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <b>Preservation</b> <input type="checkbox"/> Lab to do (Please Specify below)							
Please specify Metals or TAL.		624.1 PP Metals TDS FIELD Readings		<b>Sample Specific Comments</b>							
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials						
		Date	Time								
68577-01	SW-1	12-13-21	1520	SW	TDL	X	X	X			5
-02	SW-2	↓	1510	SW	↓	X	X	X			5
-03	SW-3	↓	1545	SW	↓	X	X	X			5
-04	TRIP BLANK	12-13-21			beaubinder	X					2
Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type V    P    P Preservative H    C    A			Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved, BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S <a href="#">TERMS &amp; CONDITIONS.</a>		
		Relinquished By:		Date/Time		Received By:		Date/Time			
		<span style="font-family: cursive;">[Signature]</span> AAL		12-14-21 / 10:00		<span style="font-family: cursive;">[Signature]</span>		12/15/21 0120			



## ANALYTICAL REPORT

Lab Number:	L2168581
Client:	Town of Dewitt 5400 Butternut Drive East Syracuse, NY 13057
ATTN:	Kerri Fusco
Phone:	(315) 446-3392
Project Name:	T. DEWITT LANDFILL MONITORING
Project Number:	1128-2021-GW
Report Date:	12/31/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

---

Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2168581-01	MW-1S	WATER	FISHER RD., EAST SYRACUSE	12/13/21 11:25	12/14/21
L2168581-02	MW-2S	WATER	FISHER RD., EAST SYRACUSE	12/13/21 11:20	12/14/21
L2168581-03	MW-2D	WATER	FISHER RD., EAST SYRACUSE	12/13/21 11:00	12/14/21
L2168581-04	MW-3S	WATER	FISHER RD., EAST SYRACUSE	12/13/21 13:30	12/14/21
L2168581-05	MW-4S	WATER	FISHER RD., EAST SYRACUSE	12/13/21 13:07	12/14/21
L2168581-06	MW-4D	WATER	FISHER RD., EAST SYRACUSE	12/13/21 13:15	12/14/21
L2168581-07	MW-6S	WATER	FISHER RD., EAST SYRACUSE	12/13/21 11:55	12/14/21
L2168581-08	NMW-7S	WATER	FISHER RD., EAST SYRACUSE	12/13/21 09:32	12/14/21
L2168581-09	MW-8S	WATER	FISHER RD., EAST SYRACUSE	12/13/21 15:35	12/14/21
L2168581-10	MW-8D	WATER	FISHER RD., EAST SYRACUSE	12/13/21 15:20	12/14/21
L2168581-11	MW-9S	WATER	FISHER RD., EAST SYRACUSE	12/13/21 14:45	12/14/21
L2168581-12	MW-9M	WATER	FISHER RD., EAST SYRACUSE	12/13/21 15:10	12/14/21
L2168581-13	MW-9D	WATER	FISHER RD., EAST SYRACUSE	12/13/21 14:30	12/14/21
L2168581-14	MW-10S	WATER	FISHER RD., EAST SYRACUSE	12/13/21 10:15	12/14/21
L2168581-15	MW-11D	WATER	FISHER RD., EAST SYRACUSE	12/13/21 11:05	12/14/21
L2168581-16	MW-12S	WATER	FISHER RD., EAST SYRACUSE	12/13/21 10:10	12/14/21
L2168581-17	TRIP BLANK	WATER	FISHER RD., EAST SYRACUSE	12/13/21 00:00	12/14/21

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

---

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Volatile Organics by Method 624

L2168581-13: Due to the matrix of the sample (foam generation during purging/analysis), the laboratory used Anti-Foam solution in the sample and associated QC.

The WG1584172-3 LCS recovery, associated with L2168581-10 through -16, is above the acceptance criteria for acrolein (170%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

#### Total Metals

L2168581-01, -04, -15, and -16: The sample has elevated detection limits for all elements, due to the prep dilution required by the sample matrix.

L2168581-13: The sample has elevated detection limits for all elements, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Lisa Westerlind

Title: Technical Director/Representative

Date: 12/31/21

# ORGANICS

# VOLATILES



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-01  
 Client ID: MW-1S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 11:25  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 11:40  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-01  
 Client ID: MW-1S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 11:25  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	101		60-140
Fluorobenzene	107		60-140
4-Bromofluorobenzene	99		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-02  
 Client ID: MW-2S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 11:20  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 12:10  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-02  
 Client ID: MW-2S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 11:20  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	96		60-140
Fluorobenzene	102		60-140
4-Bromofluorobenzene	100		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-03  
 Client ID: MW-2D  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 11:00  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 12:40  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-03  
 Client ID: MW-2D  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 11:00  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	94		60-140
Fluorobenzene	100		60-140
4-Bromofluorobenzene	100		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-04  
 Client ID: MW-3S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 13:30  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 13:10  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-04  
 Client ID: MW-3S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 13:30  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	95		60-140
Fluorobenzene	102		60-140
4-Bromofluorobenzene	100		60-140



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-05  
 Client ID: MW-4S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 13:07  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 13:39  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	3.3		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	60		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-05  
 Client ID: MW-4S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 13:07  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	97		60-140
Fluorobenzene	102		60-140
4-Bromofluorobenzene	103		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-06  
 Client ID: MW-4D  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 13:15  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/16/21 15:45  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	5.4		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	140		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-06  
 Client ID: MW-4D  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 13:15  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	21		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	97		60-140
Fluorobenzene	102		60-140
4-Bromofluorobenzene	95		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-07  
 Client ID: MW-6S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 11:55  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 14:38  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-07  
 Client ID: MW-6S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 11:55  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	96		60-140
Fluorobenzene	100		60-140
4-Bromofluorobenzene	104		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-08  
 Client ID: NMW-7S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 09:32  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 15:08  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-08  
 Client ID: NMW-7S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 09:32  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	96		60-140
Fluorobenzene	102		60-140
4-Bromofluorobenzene	103		60-140



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-09  
 Client ID: MW-8S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 15:35  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 15:38  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	74		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-09  
 Client ID: MW-8S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 15:35  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	98		60-140
Fluorobenzene	104		60-140
4-Bromofluorobenzene	102		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-10  
 Client ID: MW-8D  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 15:20  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 11:42  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-10  
 Client ID: MW-8D  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 15:20  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	97		60-140
Fluorobenzene	98		60-140
4-Bromofluorobenzene	99		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-11  
 Client ID: MW-9S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 14:45  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 12:16  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	0.38	J	ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	0.76	J	ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-11  
 Client ID: MW-9S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 14:45  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	98		60-140
Fluorobenzene	97		60-140
4-Bromofluorobenzene	99		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-12  
 Client ID: MW-9M  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 15:10  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 12:49  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	61		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-12  
 Client ID: MW-9M  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 15:10  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	97		60-140
Fluorobenzene	98		60-140
4-Bromofluorobenzene	100		60-140



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-13  
 Client ID: MW-9D  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 14:30  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 13:22  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-13  
 Client ID: MW-9D  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 14:30  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	8.1	J	ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	93		60-140
Fluorobenzene	96		60-140
4-Bromofluorobenzene	84		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-14  
 Client ID: MW-10S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 10:15  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 13:56  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	0.26	J	ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-14  
 Client ID: MW-10S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 10:15  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	0.47	J	ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	96		60-140
Fluorobenzene	97		60-140
4-Bromofluorobenzene	100		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-15  
 Client ID: MW-11D  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 11:05  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 14:29  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-15  
 Client ID: MW-11D  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 11:05  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	96		60-140
Fluorobenzene	96		60-140
4-Bromofluorobenzene	101		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-16  
 Client ID: MW-12S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 10:10  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 15:02  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-16  
 Client ID: MW-12S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 10:10  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	50		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	96		60-140
Fluorobenzene	95		60-140
4-Bromofluorobenzene	101		60-140



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-17  
 Client ID: TRIP BLANK  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 00:00  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/15/21 08:14  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-17  
 Client ID: TRIP BLANK  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 00:00  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	97		60-140
Fluorobenzene	103		60-140
4-Bromofluorobenzene	99		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 128,624.1  
Analytical Date: 12/15/21 06:15  
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,07-09,17 Batch: WG1584120-4					
Methylene chloride	ND		ug/l	1.0	0.56
1,1-Dichloroethane	ND		ug/l	1.5	0.40
Chloroform	ND		ug/l	1.0	0.38
Carbon tetrachloride	ND		ug/l	1.0	0.24
1,2-Dichloropropane	ND		ug/l	3.5	0.46
Dibromochloromethane	ND		ug/l	1.0	0.27
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.35
Tetrachloroethene	ND		ug/l	1.0	0.26
Chlorobenzene	ND		ug/l	3.5	0.30
Trichlorofluoromethane	ND		ug/l	5.0	0.28
1,2-Dichloroethane	ND		ug/l	1.5	0.47
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29
Bromodichloromethane	ND		ug/l	1.0	0.28
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34
Bromoform	ND		ug/l	1.0	0.22
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20
Benzene	ND		ug/l	1.0	0.38
Toluene	ND		ug/l	1.0	0.31
Ethylbenzene	ND		ug/l	1.0	0.28
Chloromethane	ND		ug/l	5.0	1.0
Bromomethane	ND		ug/l	5.0	1.2
Vinyl chloride	ND		ug/l	1.0	0.38
Chloroethane	ND		ug/l	2.0	0.37
1,1-Dichloroethene	ND		ug/l	1.0	0.31
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17
Trichloroethene	ND		ug/l	1.0	0.33

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 128,624.1  
Analytical Date: 12/15/21 06:15  
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,07-09,17 Batch: WG1584120-4					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	ND		ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	ND		ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	ND		ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	ND		ug/l	1.0	0.23

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	100		60-140
Fluorobenzene	103		60-140
4-Bromofluorobenzene	100		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 128,624.1  
Analytical Date: 12/15/21 10:36  
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-16 Batch: WG1584172-4					
Methylene chloride	ND		ug/l	1.0	0.56
1,1-Dichloroethane	ND		ug/l	1.5	0.40
Chloroform	ND		ug/l	1.0	0.38
Carbon tetrachloride	ND		ug/l	1.0	0.24
1,2-Dichloropropane	ND		ug/l	3.5	0.46
Dibromochloromethane	ND		ug/l	1.0	0.27
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.35
Tetrachloroethene	ND		ug/l	1.0	0.26
Chlorobenzene	ND		ug/l	3.5	0.30
Trichlorofluoromethane	ND		ug/l	5.0	0.28
1,2-Dichloroethane	ND		ug/l	1.5	0.47
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29
Bromodichloromethane	ND		ug/l	1.0	0.28
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34
Bromoform	ND		ug/l	1.0	0.22
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20
Benzene	ND		ug/l	1.0	0.38
Toluene	ND		ug/l	1.0	0.31
Ethylbenzene	ND		ug/l	1.0	0.28
Chloromethane	ND		ug/l	5.0	1.0
Bromomethane	ND		ug/l	5.0	1.2
Vinyl chloride	ND		ug/l	1.0	0.38
Chloroethane	ND		ug/l	2.0	0.37
1,1-Dichloroethene	ND		ug/l	1.0	0.31
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17
Trichloroethene	ND		ug/l	1.0	0.33

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 128,624.1  
Analytical Date: 12/15/21 10:36  
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-16 Batch: WG1584172-4					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	ND		ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	ND		ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	ND		ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	ND		ug/l	1.0	0.23

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	98		60-140
Fluorobenzene	98		60-140
4-Bromofluorobenzene	102		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 128,624.1  
Analytical Date: 12/16/21 05:44  
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1584573-4					
Methylene chloride	ND		ug/l	1.0	0.56
1,1-Dichloroethane	ND		ug/l	1.5	0.40
Chloroform	ND		ug/l	1.0	0.38
Carbon tetrachloride	ND		ug/l	1.0	0.24
1,2-Dichloropropane	ND		ug/l	3.5	0.46
Dibromochloromethane	ND		ug/l	1.0	0.27
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.35
Tetrachloroethene	ND		ug/l	1.0	0.26
Chlorobenzene	ND		ug/l	3.5	0.30
Trichlorofluoromethane	ND		ug/l	5.0	0.28
1,2-Dichloroethane	ND		ug/l	1.5	0.47
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29
Bromodichloromethane	ND		ug/l	1.0	0.28
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34
Bromoform	ND		ug/l	1.0	0.22
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20
Benzene	ND		ug/l	1.0	0.38
Toluene	ND		ug/l	1.0	0.31
Ethylbenzene	ND		ug/l	1.0	0.28
Chloromethane	ND		ug/l	5.0	1.0
Bromomethane	ND		ug/l	5.0	1.2
Vinyl chloride	ND		ug/l	1.0	0.38
Chloroethane	ND		ug/l	2.0	0.37
1,1-Dichloroethene	ND		ug/l	1.0	0.31
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17
Trichloroethene	ND		ug/l	1.0	0.33

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 128,624.1  
Analytical Date: 12/16/21 05:44  
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1584573-4					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	ND		ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	ND		ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	ND		ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	ND		ug/l	1.0	0.23

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	95		60-140
Fluorobenzene	99		60-140
4-Bromofluorobenzene	100		60-140



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING

**Lab Number:** L2168581

**Project Number:** 1128-2021-GW

**Report Date:** 12/31/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07-09,17 Batch: WG1584120-3								
Methylene chloride	90		-		60-140	-		28
1,1-Dichloroethane	95		-		50-150	-		49
Chloroform	95		-		70-135	-		54
Carbon tetrachloride	90		-		70-130	-		41
1,2-Dichloropropane	100		-		35-165	-		55
Dibromochloromethane	80		-		70-135	-		50
1,1,2-Trichloroethane	85		-		70-130	-		45
2-Chloroethylvinyl ether	110		-		1-225	-		71
Tetrachloroethene	85		-		70-130	-		39
Chlorobenzene	85		-		65-135	-		53
Trichlorofluoromethane	95		-		50-150	-		84
1,2-Dichloroethane	100		-		70-130	-		49
1,1,1-Trichloroethane	95		-		70-130	-		36
Bromodichloromethane	90		-		65-135	-		56
trans-1,3-Dichloropropene	80		-		50-150	-		86
cis-1,3-Dichloropropene	90		-		25-175	-		58
Bromoform	75		-		70-130	-		42
1,1,2,2-Tetrachloroethane	85		-		60-140	-		61
Benzene	95		-		65-135	-		61
Toluene	90		-		70-130	-		41
Ethylbenzene	95		-		60-140	-		63
Chloromethane	105		-		1-205	-		60
Bromomethane	95		-		15-185	-		61

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING

**Lab Number:** L2168581

**Project Number:** 1128-2021-GW

**Report Date:** 12/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07-09,17 Batch: WG1584120-3								
Vinyl chloride	90		-		5-195	-		66
Chloroethane	90		-		40-160	-		78
1,1-Dichloroethene	95		-		50-150	-		32
trans-1,2-Dichloroethene	95		-		70-130	-		45
cis-1,2-Dichloroethene	100		-		60-140	-		30
Trichloroethene	90		-		65-135	-		48
1,2-Dichlorobenzene	90		-		65-135	-		57
1,3-Dichlorobenzene	90		-		70-130	-		43
1,4-Dichlorobenzene	90		-		65-135	-		57
p/m-Xylene	90		-		60-140	-		30
o-xylene	85		-		60-140	-		30
Styrene	85		-		60-140	-		30
Acetone	108		-		40-160	-		30
Carbon disulfide	90		-		60-140	-		30
2-Butanone	100		-		60-140	-		30
Vinyl acetate	80		-		60-140	-		30
4-Methyl-2-pentanone	88		-		60-140	-		30
2-Hexanone	90		-		60-140	-		30
Acrolein	120		-		60-140	-		30
Acrylonitrile	92		-		60-140	-		60
Dibromomethane	95		-		70-130	-		30

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07-09,17 Batch: WG1584120-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
Pentafluorobenzene	103				60-140
Fluorobenzene	105				60-140
4-Bromofluorobenzene	100				60-140



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING

**Lab Number:** L2168581

**Project Number:** 1128-2021-GW

**Report Date:** 12/31/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-16 Batch: WG1584172-3								
Methylene chloride	90		-		60-140	-		28
1,1-Dichloroethane	90		-		50-150	-		49
Chloroform	95		-		70-135	-		54
Carbon tetrachloride	90		-		70-130	-		41
1,2-Dichloropropane	95		-		35-165	-		55
Dibromochloromethane	95		-		70-135	-		50
1,1,2-Trichloroethane	90		-		70-130	-		45
2-Chloroethylvinyl ether	100		-		1-225	-		71
Tetrachloroethene	90		-		70-130	-		39
Chlorobenzene	90		-		65-135	-		53
Trichlorofluoromethane	75		-		50-150	-		84
1,2-Dichloroethane	100		-		70-130	-		49
1,1,1-Trichloroethane	90		-		70-130	-		36
Bromodichloromethane	95		-		65-135	-		56
trans-1,3-Dichloropropene	90		-		50-150	-		86
cis-1,3-Dichloropropene	95		-		25-175	-		58
Bromoform	90		-		70-130	-		42
1,1,2,2-Tetrachloroethane	105		-		60-140	-		61
Benzene	100		-		65-135	-		61
Toluene	100		-		70-130	-		41
Ethylbenzene	100		-		60-140	-		63
Chloromethane	80		-		1-205	-		60
Bromomethane	75		-		15-185	-		61

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING

**Lab Number:** L2168581

**Project Number:** 1128-2021-GW

**Report Date:** 12/31/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-16 Batch: WG1584172-3								
Vinyl chloride	80		-		5-195	-		66
Chloroethane	90		-		40-160	-		78
1,1-Dichloroethene	90		-		50-150	-		32
trans-1,2-Dichloroethene	95		-		70-130	-		45
cis-1,2-Dichloroethene	95		-		60-140	-		30
Trichloroethene	90		-		65-135	-		48
1,2-Dichlorobenzene	100		-		65-135	-		57
1,3-Dichlorobenzene	90		-		70-130	-		43
1,4-Dichlorobenzene	95		-		65-135	-		57
p/m-Xylene	90		-		60-140	-		30
o-xylene	90		-		60-140	-		30
Styrene	90		-		60-140	-		30
Acetone	88		-		40-160	-		30
Carbon disulfide	90		-		60-140	-		30
2-Butanone	94		-		60-140	-		30
Vinyl acetate	68		-		60-140	-		30
4-Methyl-2-pentanone	100		-		60-140	-		30
2-Hexanone	92		-		60-140	-		30
Acrolein	170	Q	-		60-140	-		30
Acrylonitrile	95		-		60-140	-		60
Dibromomethane	90		-		70-130	-		30

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
-----------	-------------------------	-------------	--------------------------	-------------	----------------------------	------------	-------------	----------------------

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-16 Batch: WG1584172-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
Pentafluorobenzene	100				60-140
Fluorobenzene	99				60-140
4-Bromofluorobenzene	101				60-140

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING

**Lab Number:** L2168581

**Project Number:** 1128-2021-GW

**Report Date:** 12/31/21

Parameter	LCS	Qual	LCS	Qual	%Recovery	RPD	Qual	RPD
	%Recovery		%Recovery		Limits			Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1584573-3								
Methylene chloride	100		-		60-140	-		28
1,1-Dichloroethane	115		-		50-150	-		49
Chloroform	115		-		70-135	-		54
Carbon tetrachloride	115		-		70-130	-		41
1,2-Dichloropropane	115		-		35-165	-		55
Dibromochloromethane	90		-		70-135	-		50
1,1,2-Trichloroethane	95		-		70-130	-		45
2-Chloroethylvinyl ether	95		-		1-225	-		71
Tetrachloroethene	95		-		70-130	-		39
Chlorobenzene	100		-		65-135	-		53
Trichlorofluoromethane	125		-		50-150	-		84
1,2-Dichloroethane	120		-		70-130	-		49
1,1,1-Trichloroethane	115		-		70-130	-		36
Bromodichloromethane	110		-		65-135	-		56
trans-1,3-Dichloropropene	90		-		50-150	-		86
cis-1,3-Dichloropropene	100		-		25-175	-		58
Bromoform	85		-		70-130	-		42
1,1,2,2-Tetrachloroethane	95		-		60-140	-		61
Benzene	115		-		65-135	-		61
Toluene	105		-		70-130	-		41
Ethylbenzene	110		-		60-140	-		63
Chloromethane	150		-		1-205	-		60
Bromomethane	110		-		15-185	-		61

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING

**Lab Number:** L2168581

**Project Number:** 1128-2021-GW

**Report Date:** 12/31/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1584573-3								
Vinyl chloride	120		-		5-195	-		66
Chloroethane	110		-		40-160	-		78
1,1-Dichloroethene	115		-		50-150	-		32
trans-1,2-Dichloroethene	115		-		70-130	-		45
cis-1,2-Dichloroethene	115		-		60-140	-		30
Trichloroethene	115		-		65-135	-		48
1,2-Dichlorobenzene	100		-		65-135	-		57
1,3-Dichlorobenzene	100		-		70-130	-		43
1,4-Dichlorobenzene	105		-		65-135	-		57
p/m-Xylene	105		-		60-140	-		30
o-xylene	95		-		60-140	-		30
Styrene	100		-		60-140	-		30
Acetone	102		-		40-160	-		30
Carbon disulfide	120		-		60-140	-		30
2-Butanone	100		-		60-140	-		30
Vinyl acetate	75		-		60-140	-		30
4-Methyl-2-pentanone	86		-		60-140	-		30
2-Hexanone	90		-		60-140	-		30
Acrolein	120		-		60-140	-		30
Acrylonitrile	92		-		60-140	-		60
Dibromomethane	100		-		70-130	-		30



## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1584573-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
Pentafluorobenzene	101				60-140
Fluorobenzene	105				60-140
4-Bromofluorobenzene	100				60-140

## METALS

**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168581**Project Number:** 1128-2021-GW**Report Date:** 12/31/21**SAMPLE RESULTS**

Lab ID: L2168581-01

Date Collected: 12/13/21 11:25

Client ID: MW-1S

Date Received: 12/14/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.500	0.071	1	12/23/21 09:47	12/30/21 13:03	EPA 3005A	19,200.7	JC
Arsenic, Total	0.040	J	mg/l	0.050	0.019	1	12/23/21 09:47	12/30/21 13:03	EPA 3005A	19,200.7	JC
Beryllium, Total	ND		mg/l	0.050	0.009	1	12/23/21 09:47	12/30/21 13:03	EPA 3005A	19,200.7	JC
Cadmium, Total	ND		mg/l	0.050	0.010	1	12/23/21 09:47	12/30/21 13:03	EPA 3005A	19,200.7	JC
Chromium, Total	0.031	J	mg/l	0.100	0.021	1	12/23/21 09:47	12/30/21 13:03	EPA 3005A	19,200.7	JC
Copper, Total	0.092	J	mg/l	0.100	0.022	1	12/23/21 09:47	12/30/21 13:03	EPA 3005A	19,200.7	JC
Lead, Total	0.030	J	mg/l	0.100	0.027	1	12/23/21 09:47	12/30/21 13:03	EPA 3005A	19,200.7	JC
Mercury, Total	ND		mg/l	0.00100	0.00045	1	12/23/21 09:50	12/24/21 09:17	EPA 245.1	3,245.1	AC
Nickel, Total	0.052	J	mg/l	0.250	0.024	1	12/23/21 09:47	12/30/21 13:03	EPA 3005A	19,200.7	JC
Selenium, Total	ND		mg/l	0.100	0.035	1	12/23/21 09:47	12/30/21 13:03	EPA 3005A	19,200.7	JC
Silver, Total	ND		mg/l	0.070	0.028	1	12/23/21 09:47	12/30/21 13:03	EPA 3005A	19,200.7	JC
Thallium, Total	ND		mg/l	0.200	0.025	1	12/23/21 09:47	12/30/21 13:03	EPA 3005A	19,200.7	JC
Zinc, Total	0.133	J	mg/l	0.500	0.021	1	12/23/21 09:47	12/30/21 13:03	EPA 3005A	19,200.7	JC



**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168581**Project Number:** 1128-2021-GW**Report Date:** 12/31/21**SAMPLE RESULTS**

Lab ID: L2168581-02

Date Collected: 12/13/21 11:20

Client ID: MW-2S

Date Received: 12/14/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.050	0.007	1	12/23/21 09:47	12/30/21 13:08	EPA 3005A	19,200.7	JC
Arsenic, Total	0.002	J	mg/l	0.005	0.002	1	12/23/21 09:47	12/30/21 13:08	EPA 3005A	19,200.7	JC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 13:08	EPA 3005A	19,200.7	JC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 13:08	EPA 3005A	19,200.7	JC
Chromium, Total	0.002	J	mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 13:08	EPA 3005A	19,200.7	JC
Copper, Total	ND		mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 13:08	EPA 3005A	19,200.7	JC
Lead, Total	0.006	J	mg/l	0.010	0.003	1	12/23/21 09:47	12/30/21 13:08	EPA 3005A	19,200.7	JC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/23/21 09:50	12/24/21 09:34	EPA 245.1	3,245.1	AC
Nickel, Total	0.003	J	mg/l	0.025	0.002	1	12/23/21 09:47	12/30/21 13:08	EPA 3005A	19,200.7	JC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/23/21 09:47	12/30/21 13:08	EPA 3005A	19,200.7	JC
Silver, Total	ND		mg/l	0.007	0.003	1	12/23/21 09:47	12/30/21 13:08	EPA 3005A	19,200.7	JC
Thallium, Total	ND		mg/l	0.020	0.003	1	12/23/21 09:47	12/30/21 13:08	EPA 3005A	19,200.7	JC
Zinc, Total	0.013	J	mg/l	0.050	0.002	1	12/23/21 09:47	12/30/21 13:08	EPA 3005A	19,200.7	JC



**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168581**Project Number:** 1128-2021-GW**Report Date:** 12/31/21**SAMPLE RESULTS**

Lab ID: L2168581-03

Date Collected: 12/13/21 11:00

Client ID: MW-2D

Date Received: 12/14/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.050	0.007	1	12/23/21 09:47	12/30/21 13:13	EPA 3005A	19,200.7	JC
Arsenic, Total	0.004	J	mg/l	0.005	0.002	1	12/23/21 09:47	12/30/21 13:13	EPA 3005A	19,200.7	JC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 13:13	EPA 3005A	19,200.7	JC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 13:13	EPA 3005A	19,200.7	JC
Chromium, Total	0.014		mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 13:13	EPA 3005A	19,200.7	JC
Copper, Total	0.004	J	mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 13:13	EPA 3005A	19,200.7	JC
Lead, Total	0.010		mg/l	0.010	0.003	1	12/23/21 09:47	12/30/21 13:13	EPA 3005A	19,200.7	JC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/23/21 09:50	12/24/21 09:54	EPA 245.1	3,245.1	AC
Nickel, Total	0.008	J	mg/l	0.025	0.002	1	12/23/21 09:47	12/30/21 13:13	EPA 3005A	19,200.7	JC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/23/21 09:47	12/30/21 13:13	EPA 3005A	19,200.7	JC
Silver, Total	ND		mg/l	0.007	0.003	1	12/23/21 09:47	12/30/21 13:13	EPA 3005A	19,200.7	JC
Thallium, Total	ND		mg/l	0.020	0.003	1	12/23/21 09:47	12/30/21 13:13	EPA 3005A	19,200.7	JC
Zinc, Total	0.049	J	mg/l	0.050	0.002	1	12/23/21 09:47	12/30/21 13:13	EPA 3005A	19,200.7	JC



**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168581**Project Number:** 1128-2021-GW**Report Date:** 12/31/21**SAMPLE RESULTS**

Lab ID: L2168581-04

Date Collected: 12/13/21 13:30

Client ID: MW-3S

Date Received: 12/14/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.500	0.071	1	12/23/21 09:47	12/30/21 13:50	EPA 3005A	19,200.7	JC
Arsenic, Total	0.284		mg/l	0.050	0.019	1	12/23/21 09:47	12/30/21 13:50	EPA 3005A	19,200.7	JC
Beryllium, Total	ND		mg/l	0.050	0.009	1	12/23/21 09:47	12/30/21 13:50	EPA 3005A	19,200.7	JC
Cadmium, Total	ND		mg/l	0.050	0.010	1	12/23/21 09:47	12/30/21 13:50	EPA 3005A	19,200.7	JC
Chromium, Total	0.027	J	mg/l	0.100	0.021	1	12/23/21 09:47	12/30/21 13:50	EPA 3005A	19,200.7	JC
Copper, Total	0.031	J	mg/l	0.100	0.022	1	12/23/21 09:47	12/30/21 13:50	EPA 3005A	19,200.7	JC
Lead, Total	0.072	J	mg/l	0.100	0.027	1	12/23/21 09:47	12/30/21 13:50	EPA 3005A	19,200.7	JC
Mercury, Total	ND		mg/l	0.00100	0.00045	1	12/23/21 09:50	12/24/21 09:57	EPA 245.1	3,245.1	AC
Nickel, Total	0.040	J	mg/l	0.250	0.024	1	12/23/21 09:47	12/30/21 13:50	EPA 3005A	19,200.7	JC
Selenium, Total	ND		mg/l	0.100	0.035	1	12/23/21 09:47	12/30/21 13:50	EPA 3005A	19,200.7	JC
Silver, Total	ND		mg/l	0.070	0.028	1	12/23/21 09:47	12/30/21 13:50	EPA 3005A	19,200.7	JC
Thallium, Total	ND		mg/l	0.200	0.025	1	12/23/21 09:47	12/30/21 13:50	EPA 3005A	19,200.7	JC
Zinc, Total	0.141	J	mg/l	0.500	0.021	1	12/23/21 09:47	12/30/21 13:50	EPA 3005A	19,200.7	JC



**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168581**Project Number:** 1128-2021-GW**Report Date:** 12/31/21**SAMPLE RESULTS**

Lab ID: L2168581-05

Date Collected: 12/13/21 13:07

Client ID: MW-4S

Date Received: 12/14/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.050	0.007	1	12/23/21 09:47	12/30/21 13:55	EPA 3005A	19,200.7	JC
Arsenic, Total	0.010		mg/l	0.005	0.002	1	12/23/21 09:47	12/30/21 13:55	EPA 3005A	19,200.7	JC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 13:55	EPA 3005A	19,200.7	JC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 13:55	EPA 3005A	19,200.7	JC
Chromium, Total	0.004	J	mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 13:55	EPA 3005A	19,200.7	JC
Copper, Total	0.005	J	mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 13:55	EPA 3005A	19,200.7	JC
Lead, Total	0.009	J	mg/l	0.010	0.003	1	12/23/21 09:47	12/30/21 13:55	EPA 3005A	19,200.7	JC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/23/21 09:50	12/24/21 10:00	EPA 245.1	3,245.1	AC
Nickel, Total	0.004	J	mg/l	0.025	0.002	1	12/23/21 09:47	12/30/21 13:55	EPA 3005A	19,200.7	JC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/23/21 09:47	12/30/21 13:55	EPA 3005A	19,200.7	JC
Silver, Total	ND		mg/l	0.007	0.003	1	12/23/21 09:47	12/30/21 13:55	EPA 3005A	19,200.7	JC
Thallium, Total	ND		mg/l	0.020	0.003	1	12/23/21 09:47	12/30/21 13:55	EPA 3005A	19,200.7	JC
Zinc, Total	0.018	J	mg/l	0.050	0.002	1	12/23/21 09:47	12/30/21 13:55	EPA 3005A	19,200.7	JC



**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168581**Project Number:** 1128-2021-GW**Report Date:** 12/31/21**SAMPLE RESULTS**

Lab ID: L2168581-06

Date Collected: 12/13/21 13:15

Client ID: MW-4D

Date Received: 12/14/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.050	0.007	1	12/23/21 09:47	12/30/21 14:00	EPA 3005A	19,200.7	JC
Arsenic, Total	0.005		mg/l	0.005	0.002	1	12/23/21 09:47	12/30/21 14:00	EPA 3005A	19,200.7	JC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 14:00	EPA 3005A	19,200.7	JC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 14:00	EPA 3005A	19,200.7	JC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 14:00	EPA 3005A	19,200.7	JC
Copper, Total	ND		mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 14:00	EPA 3005A	19,200.7	JC
Lead, Total	0.010		mg/l	0.010	0.003	1	12/23/21 09:47	12/30/21 14:00	EPA 3005A	19,200.7	JC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/23/21 09:50	12/24/21 10:10	EPA 245.1	3,245.1	AC
Nickel, Total	ND		mg/l	0.025	0.002	1	12/23/21 09:47	12/30/21 14:00	EPA 3005A	19,200.7	JC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/23/21 09:47	12/30/21 14:00	EPA 3005A	19,200.7	JC
Silver, Total	ND		mg/l	0.007	0.003	1	12/23/21 09:47	12/30/21 14:00	EPA 3005A	19,200.7	JC
Thallium, Total	ND		mg/l	0.020	0.003	1	12/23/21 09:47	12/30/21 14:00	EPA 3005A	19,200.7	JC
Zinc, Total	0.018	J	mg/l	0.050	0.002	1	12/23/21 09:47	12/30/21 14:00	EPA 3005A	19,200.7	JC





**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168581**Project Number:** 1128-2021-GW**Report Date:** 12/31/21**SAMPLE RESULTS**

Lab ID: L2168581-07

Date Collected: 12/13/21 11:55

Client ID: MW-6S

Date Received: 12/14/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.050	0.007	1	12/23/21 09:47	12/30/21 14:05	EPA 3005A	19,200.7	JC
Arsenic, Total	0.017		mg/l	0.005	0.002	1	12/23/21 09:47	12/30/21 14:05	EPA 3005A	19,200.7	JC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 14:05	EPA 3005A	19,200.7	JC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 14:05	EPA 3005A	19,200.7	JC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 14:05	EPA 3005A	19,200.7	JC
Copper, Total	0.002	J	mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 14:05	EPA 3005A	19,200.7	JC
Lead, Total	0.007	J	mg/l	0.010	0.003	1	12/23/21 09:47	12/30/21 14:05	EPA 3005A	19,200.7	JC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/23/21 09:50	12/24/21 10:14	EPA 245.1	3,245.1	AC
Nickel, Total	0.005	J	mg/l	0.025	0.002	1	12/23/21 09:47	12/30/21 14:05	EPA 3005A	19,200.7	JC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/23/21 09:47	12/30/21 14:05	EPA 3005A	19,200.7	JC
Silver, Total	ND		mg/l	0.007	0.003	1	12/23/21 09:47	12/30/21 14:05	EPA 3005A	19,200.7	JC
Thallium, Total	ND		mg/l	0.020	0.003	1	12/23/21 09:47	12/30/21 14:05	EPA 3005A	19,200.7	JC
Zinc, Total	0.015	J	mg/l	0.050	0.002	1	12/23/21 09:47	12/30/21 14:05	EPA 3005A	19,200.7	JC



**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168581**Project Number:** 1128-2021-GW**Report Date:** 12/31/21**SAMPLE RESULTS**

Lab ID: L2168581-08

Date Collected: 12/13/21 09:32

Client ID: NMW-7S

Date Received: 12/14/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.050	0.007	1	12/23/21 09:47	12/30/21 14:10	EPA 3005A	19,200.7	JC
Arsenic, Total	ND		mg/l	0.005	0.002	1	12/23/21 09:47	12/30/21 14:10	EPA 3005A	19,200.7	JC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 14:10	EPA 3005A	19,200.7	JC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 14:10	EPA 3005A	19,200.7	JC
Chromium, Total	0.015		mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 14:10	EPA 3005A	19,200.7	JC
Copper, Total	0.007	J	mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 14:10	EPA 3005A	19,200.7	JC
Lead, Total	0.007	J	mg/l	0.010	0.003	1	12/23/21 09:47	12/30/21 14:10	EPA 3005A	19,200.7	JC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/23/21 09:50	12/24/21 10:17	EPA 245.1	3,245.1	AC
Nickel, Total	0.005	J	mg/l	0.025	0.002	1	12/23/21 09:47	12/30/21 14:10	EPA 3005A	19,200.7	JC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/23/21 09:47	12/30/21 14:10	EPA 3005A	19,200.7	JC
Silver, Total	ND		mg/l	0.007	0.003	1	12/23/21 09:47	12/30/21 14:10	EPA 3005A	19,200.7	JC
Thallium, Total	ND		mg/l	0.020	0.003	1	12/23/21 09:47	12/30/21 14:10	EPA 3005A	19,200.7	JC
Zinc, Total	0.020	J	mg/l	0.050	0.002	1	12/23/21 09:47	12/30/21 14:10	EPA 3005A	19,200.7	JC



**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168581**Project Number:** 1128-2021-GW**Report Date:** 12/31/21**SAMPLE RESULTS**

Lab ID: L2168581-09

Date Collected: 12/13/21 15:35

Client ID: MW-8S

Date Received: 12/14/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.050	0.007	1	12/23/21 09:47	12/30/21 14:15	EPA 3005A	19,200.7	JC
Arsenic, Total	0.009		mg/l	0.005	0.002	1	12/23/21 09:47	12/30/21 14:15	EPA 3005A	19,200.7	JC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 14:15	EPA 3005A	19,200.7	JC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 14:15	EPA 3005A	19,200.7	JC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 14:15	EPA 3005A	19,200.7	JC
Copper, Total	ND		mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 14:15	EPA 3005A	19,200.7	JC
Lead, Total	0.004	J	mg/l	0.010	0.003	1	12/23/21 09:47	12/30/21 14:15	EPA 3005A	19,200.7	JC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/23/21 09:50	12/24/21 10:20	EPA 245.1	3,245.1	AC
Nickel, Total	ND		mg/l	0.025	0.002	1	12/23/21 09:47	12/30/21 14:15	EPA 3005A	19,200.7	JC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/23/21 09:47	12/30/21 14:15	EPA 3005A	19,200.7	JC
Silver, Total	ND		mg/l	0.007	0.003	1	12/23/21 09:47	12/30/21 14:15	EPA 3005A	19,200.7	JC
Thallium, Total	ND		mg/l	0.020	0.003	1	12/23/21 09:47	12/30/21 14:15	EPA 3005A	19,200.7	JC
Zinc, Total	0.010	J	mg/l	0.050	0.002	1	12/23/21 09:47	12/30/21 14:15	EPA 3005A	19,200.7	JC



**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168581**Project Number:** 1128-2021-GW**Report Date:** 12/31/21**SAMPLE RESULTS**

Lab ID: L2168581-10

Date Collected: 12/13/21 15:20

Client ID: MW-8D

Date Received: 12/14/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.050	0.007	1	12/23/21 09:47	12/30/21 14:20	EPA 3005A	19,200.7	JC
Arsenic, Total	0.026		mg/l	0.005	0.002	1	12/23/21 09:47	12/30/21 14:20	EPA 3005A	19,200.7	JC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 14:20	EPA 3005A	19,200.7	JC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 14:20	EPA 3005A	19,200.7	JC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 14:20	EPA 3005A	19,200.7	JC
Copper, Total	ND		mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 14:20	EPA 3005A	19,200.7	JC
Lead, Total	0.006	J	mg/l	0.010	0.003	1	12/23/21 09:47	12/30/21 14:20	EPA 3005A	19,200.7	JC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/23/21 09:50	12/24/21 10:24	EPA 245.1	3,245.1	AC
Nickel, Total	ND		mg/l	0.025	0.002	1	12/23/21 09:47	12/30/21 14:20	EPA 3005A	19,200.7	JC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/23/21 09:47	12/30/21 14:20	EPA 3005A	19,200.7	JC
Silver, Total	ND		mg/l	0.007	0.003	1	12/23/21 09:47	12/30/21 14:20	EPA 3005A	19,200.7	JC
Thallium, Total	ND		mg/l	0.020	0.003	1	12/23/21 09:47	12/30/21 14:20	EPA 3005A	19,200.7	JC
Zinc, Total	0.022	J	mg/l	0.050	0.002	1	12/23/21 09:47	12/30/21 14:20	EPA 3005A	19,200.7	JC



**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168581**Project Number:** 1128-2021-GW**Report Date:** 12/31/21**SAMPLE RESULTS**

Lab ID: L2168581-11

Date Collected: 12/13/21 14:45

Client ID: MW-9S

Date Received: 12/14/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.050	0.007	1	12/23/21 09:47	12/30/21 14:25	EPA 3005A	19,200.7	JC
Arsenic, Total	0.039		mg/l	0.005	0.002	1	12/23/21 09:47	12/30/21 14:25	EPA 3005A	19,200.7	JC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 14:25	EPA 3005A	19,200.7	JC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 14:25	EPA 3005A	19,200.7	JC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 14:25	EPA 3005A	19,200.7	JC
Copper, Total	0.005	J	mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 14:25	EPA 3005A	19,200.7	JC
Lead, Total	0.006	J	mg/l	0.010	0.003	1	12/23/21 09:47	12/30/21 14:25	EPA 3005A	19,200.7	JC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/23/21 09:50	12/24/21 10:27	EPA 245.1	3,245.1	AC
Nickel, Total	0.015	J	mg/l	0.025	0.002	1	12/23/21 09:47	12/30/21 14:25	EPA 3005A	19,200.7	JC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/23/21 09:47	12/30/21 14:25	EPA 3005A	19,200.7	JC
Silver, Total	ND		mg/l	0.007	0.003	1	12/23/21 09:47	12/30/21 14:25	EPA 3005A	19,200.7	JC
Thallium, Total	ND		mg/l	0.020	0.003	1	12/23/21 09:47	12/30/21 14:25	EPA 3005A	19,200.7	JC
Zinc, Total	0.035	J	mg/l	0.050	0.002	1	12/23/21 09:47	12/30/21 14:25	EPA 3005A	19,200.7	JC



**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168581**Project Number:** 1128-2021-GW**Report Date:** 12/31/21**SAMPLE RESULTS**

Lab ID: L2168581-12

Date Collected: 12/13/21 15:10

Client ID: MW-9M

Date Received: 12/14/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.050	0.007	1	12/23/21 09:47	12/30/21 14:29	EPA 3005A	19,200.7	JC
Arsenic, Total	0.050		mg/l	0.005	0.002	1	12/23/21 09:47	12/30/21 14:29	EPA 3005A	19,200.7	JC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 14:29	EPA 3005A	19,200.7	JC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 14:29	EPA 3005A	19,200.7	JC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 14:29	EPA 3005A	19,200.7	JC
Copper, Total	ND		mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 14:29	EPA 3005A	19,200.7	JC
Lead, Total	0.005	J	mg/l	0.010	0.003	1	12/23/21 09:47	12/30/21 14:29	EPA 3005A	19,200.7	JC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/23/21 09:50	12/24/21 10:30	EPA 245.1	3,245.1	AC
Nickel, Total	0.018	J	mg/l	0.025	0.002	1	12/23/21 09:47	12/30/21 14:29	EPA 3005A	19,200.7	JC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/23/21 09:47	12/30/21 14:29	EPA 3005A	19,200.7	JC
Silver, Total	ND		mg/l	0.007	0.003	1	12/23/21 09:47	12/30/21 14:29	EPA 3005A	19,200.7	JC
Thallium, Total	ND		mg/l	0.020	0.003	1	12/23/21 09:47	12/30/21 14:29	EPA 3005A	19,200.7	JC
Zinc, Total	0.044	J	mg/l	0.050	0.002	1	12/23/21 09:47	12/30/21 14:29	EPA 3005A	19,200.7	JC



**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168581**Project Number:** 1128-2021-GW**Report Date:** 12/31/21**SAMPLE RESULTS**

Lab ID: L2168581-13

Date Collected: 12/13/21 14:30

Client ID: MW-9D

Date Received: 12/14/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.250	0.036	5	12/23/21 09:47	12/30/21 16:10	EPA 3005A	19,200.7	JC
Arsenic, Total	ND		mg/l	0.025	0.010	5	12/23/21 09:47	12/30/21 16:10	EPA 3005A	19,200.7	JC
Beryllium, Total	ND		mg/l	0.025	0.005	5	12/23/21 09:47	12/30/21 16:10	EPA 3005A	19,200.7	JC
Cadmium, Total	ND		mg/l	0.025	0.005	5	12/23/21 09:47	12/30/21 16:10	EPA 3005A	19,200.7	JC
Chromium, Total	2.57		mg/l	0.050	0.011	5	12/23/21 09:47	12/30/21 16:10	EPA 3005A	19,200.7	JC
Copper, Total	0.091		mg/l	0.050	0.011	5	12/23/21 09:47	12/30/21 16:10	EPA 3005A	19,200.7	JC
Lead, Total	0.089		mg/l	0.050	0.014	5	12/23/21 09:47	12/30/21 16:10	EPA 3005A	19,200.7	JC
Mercury, Total	ND		mg/l	0.00100	0.00045	1	12/23/21 09:50	12/24/21 10:34	EPA 245.1	3,245.1	AC
Nickel, Total	1.33		mg/l	0.125	0.012	5	12/23/21 09:47	12/30/21 16:10	EPA 3005A	19,200.7	JC
Selenium, Total	0.020	J	mg/l	0.050	0.018	5	12/23/21 09:47	12/30/21 16:10	EPA 3005A	19,200.7	JC
Silver, Total	ND		mg/l	0.035	0.014	5	12/23/21 09:47	12/30/21 16:10	EPA 3005A	19,200.7	JC
Thallium, Total	ND		mg/l	0.100	0.013	5	12/23/21 09:47	12/30/21 16:10	EPA 3005A	19,200.7	JC
Zinc, Total	0.142	J	mg/l	0.250	0.011	5	12/23/21 09:47	12/30/21 16:10	EPA 3005A	19,200.7	JC



**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168581**Project Number:** 1128-2021-GW**Report Date:** 12/31/21**SAMPLE RESULTS**

Lab ID: L2168581-14

Date Collected: 12/13/21 10:15

Client ID: MW-10S

Date Received: 12/14/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.050	0.007	1	12/23/21 09:47	12/30/21 15:05	EPA 3005A	19,200.7	JC
Arsenic, Total	0.004	J	mg/l	0.005	0.002	1	12/23/21 09:47	12/30/21 15:05	EPA 3005A	19,200.7	JC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 15:05	EPA 3005A	19,200.7	JC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 15:05	EPA 3005A	19,200.7	JC
Chromium, Total	0.192		mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 15:05	EPA 3005A	19,200.7	JC
Copper, Total	0.033		mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 15:05	EPA 3005A	19,200.7	JC
Lead, Total	0.014		mg/l	0.010	0.003	1	12/23/21 09:47	12/30/21 15:05	EPA 3005A	19,200.7	JC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/23/21 09:50	12/24/21 10:37	EPA 245.1	3,245.1	AC
Nickel, Total	0.019	J	mg/l	0.025	0.002	1	12/23/21 09:47	12/30/21 15:05	EPA 3005A	19,200.7	JC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/23/21 09:47	12/30/21 15:05	EPA 3005A	19,200.7	JC
Silver, Total	ND		mg/l	0.007	0.003	1	12/23/21 09:47	12/30/21 15:05	EPA 3005A	19,200.7	JC
Thallium, Total	ND		mg/l	0.020	0.003	1	12/23/21 09:47	12/30/21 15:05	EPA 3005A	19,200.7	JC
Zinc, Total	0.238		mg/l	0.050	0.002	1	12/23/21 09:47	12/30/21 15:05	EPA 3005A	19,200.7	JC





**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168581**Project Number:** 1128-2021-GW**Report Date:** 12/31/21**SAMPLE RESULTS**

Lab ID: L2168581-15

Date Collected: 12/13/21 11:05

Client ID: MW-11D

Date Received: 12/14/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.500	0.071	1	12/23/21 09:47	12/30/21 15:10	EPA 3005A	19,200.7	JC
Arsenic, Total	0.034	J	mg/l	0.050	0.019	1	12/23/21 09:47	12/30/21 15:10	EPA 3005A	19,200.7	JC
Beryllium, Total	ND		mg/l	0.050	0.009	1	12/23/21 09:47	12/30/21 15:10	EPA 3005A	19,200.7	JC
Cadmium, Total	ND		mg/l	0.050	0.010	1	12/23/21 09:47	12/30/21 15:10	EPA 3005A	19,200.7	JC
Chromium, Total	4.23		mg/l	0.100	0.021	1	12/23/21 09:47	12/30/21 15:10	EPA 3005A	19,200.7	JC
Copper, Total	0.092	J	mg/l	0.100	0.022	1	12/23/21 09:47	12/30/21 15:10	EPA 3005A	19,200.7	JC
Lead, Total	0.068	J	mg/l	0.100	0.027	1	12/23/21 09:47	12/30/21 15:10	EPA 3005A	19,200.7	JC
Mercury, Total	ND		mg/l	0.00100	0.00045	1	12/23/21 09:50	12/24/21 10:40	EPA 245.1	3,245.1	AC
Nickel, Total	0.669		mg/l	0.250	0.024	1	12/23/21 09:47	12/30/21 15:10	EPA 3005A	19,200.7	JC
Selenium, Total	ND		mg/l	0.100	0.035	1	12/23/21 09:47	12/30/21 15:10	EPA 3005A	19,200.7	JC
Silver, Total	ND		mg/l	0.070	0.028	1	12/23/21 09:47	12/30/21 15:10	EPA 3005A	19,200.7	JC
Thallium, Total	ND		mg/l	0.200	0.025	1	12/23/21 09:47	12/30/21 15:10	EPA 3005A	19,200.7	JC
Zinc, Total	0.208	J	mg/l	0.500	0.021	1	12/23/21 09:47	12/30/21 15:10	EPA 3005A	19,200.7	JC



**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168581**Project Number:** 1128-2021-GW**Report Date:** 12/31/21**SAMPLE RESULTS**

Lab ID: L2168581-16

Date Collected: 12/13/21 10:10

Client ID: MW-12S

Date Received: 12/14/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.500	0.071	1	12/23/21 09:47	12/30/21 15:14	EPA 3005A	19,200.7	JC
Arsenic, Total	0.043	J	mg/l	0.050	0.019	1	12/23/21 09:47	12/30/21 15:14	EPA 3005A	19,200.7	JC
Beryllium, Total	ND		mg/l	0.050	0.009	1	12/23/21 09:47	12/30/21 15:14	EPA 3005A	19,200.7	JC
Cadmium, Total	ND		mg/l	0.050	0.010	1	12/23/21 09:47	12/30/21 15:14	EPA 3005A	19,200.7	JC
Chromium, Total	0.081	J	mg/l	0.100	0.021	1	12/23/21 09:47	12/30/21 15:14	EPA 3005A	19,200.7	JC
Copper, Total	0.155		mg/l	0.100	0.022	1	12/23/21 09:47	12/30/21 15:14	EPA 3005A	19,200.7	JC
Lead, Total	0.077	J	mg/l	0.100	0.027	1	12/23/21 09:47	12/30/21 15:14	EPA 3005A	19,200.7	JC
Mercury, Total	ND		mg/l	0.00100	0.00045	1	12/23/21 09:50	12/24/21 10:50	EPA 245.1	3,245.1	AC
Nickel, Total	0.065	J	mg/l	0.250	0.024	1	12/23/21 09:47	12/30/21 15:14	EPA 3005A	19,200.7	JC
Selenium, Total	ND		mg/l	0.100	0.035	1	12/23/21 09:47	12/30/21 15:14	EPA 3005A	19,200.7	JC
Silver, Total	ND		mg/l	0.070	0.028	1	12/23/21 09:47	12/30/21 15:14	EPA 3005A	19,200.7	JC
Thallium, Total	ND		mg/l	0.200	0.025	1	12/23/21 09:47	12/30/21 15:14	EPA 3005A	19,200.7	JC
Zinc, Total	6.85		mg/l	0.500	0.021	1	12/23/21 09:47	12/30/21 15:14	EPA 3005A	19,200.7	JC



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-16 Batch: WG1586144-1									
Antimony, Total	ND	mg/l	0.050	0.007	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Arsenic, Total	ND	mg/l	0.005	0.002	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Beryllium, Total	ND	mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Cadmium, Total	ND	mg/l	0.005	0.001	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Chromium, Total	ND	mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Copper, Total	ND	mg/l	0.010	0.002	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Lead, Total	ND	mg/l	0.010	0.003	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Nickel, Total	ND	mg/l	0.025	0.002	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Selenium, Total	ND	mg/l	0.010	0.004	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Silver, Total	ND	mg/l	0.007	0.003	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Thallium, Total	ND	mg/l	0.020	0.003	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC
Zinc, Total	ND	mg/l	0.050	0.002	1	12/23/21 09:47	12/30/21 12:54	19,200.7	JC

### Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-16 Batch: WG1586145-1									
Mercury, Total	ND	mg/l	0.00020	0.00009	1	12/23/21 09:50	12/24/21 09:11	3,245.1	AC

### Prep Information

Digestion Method: EPA 245.1



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING

**Lab Number:** L2168581

**Project Number:** 1128-2021-GW

**Report Date:** 12/31/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-16 Batch: WG1586144-2								
Antimony, Total	101		-		85-115	-		
Arsenic, Total	111		-		85-115	-		
Beryllium, Total	106		-		85-115	-		
Cadmium, Total	102		-		85-115	-		
Chromium, Total	102		-		85-115	-		
Copper, Total	104		-		85-115	-		
Lead, Total	100		-		85-115	-		
Nickel, Total	99		-		85-115	-		
Selenium, Total	110		-		85-115	-		
Silver, Total	103		-		85-115	-		
Thallium, Total	103		-		85-115	-		
Zinc, Total	101		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01-16 Batch: WG1586145-2								
Mercury, Total	94		-		85-115	-		

### Matrix Spike Analysis Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-16    QC Batch ID: WG1586144-3    QC Sample: L2168577-01    Client ID: MS Sample												
Antimony, Total	ND	0.5	0.524	105		-	-		75-125	-		20
Arsenic, Total	0.003J	0.12	0.138	115		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.051	102		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.055	103		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.203	102		-	-		75-125	-		20
Copper, Total	ND	0.25	0.272	109		-	-		75-125	-		20
Lead, Total	0.004J	0.53	0.538	102		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.499	100		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.135	112		-	-		75-125	-		20
Silver, Total	ND	0.05	0.054	107		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.122	102		-	-		75-125	-		20
Zinc, Total	0.019J	0.5	0.526	105		-	-		75-125	-		20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
<b>Total Metals - Mansfield Lab Associated sample(s): 01-16    QC Batch ID: WG1586144-7    QC Sample: L2168577-02    Client ID: MS Sample</b>									
Antimony, Total	ND	5	4.77	95	-	-	75-125	-	20
Arsenic, Total	0.123	1.2	1.46	111	-	-	75-125	-	20
Beryllium, Total	ND	0.5	0.521	104	-	-	75-125	-	20
Cadmium, Total	0.011J	0.53	0.560	106	-	-	75-125	-	20
Chromium, Total	ND	2	2.05	102	-	-	75-125	-	20
Copper, Total	0.037J	2.5	2.71	108	-	-	75-125	-	20
Lead, Total	0.048J	5.3	5.45	103	-	-	75-125	-	20
Nickel, Total	0.032J	5	5.07	101	-	-	75-125	-	20
Selenium, Total	ND	1.2	1.21	101	-	-	75-125	-	20
Silver, Total	ND	0.5	0.534	107	-	-	75-125	-	20
Thallium, Total	ND	1.2	1.25	104	-	-	75-125	-	20
Zinc, Total	0.306J	5	5.40	108	-	-	75-125	-	20
<b>Total Metals - Mansfield Lab Associated sample(s): 01-16    QC Batch ID: WG1586145-3    QC Sample: L2168581-01    Client ID: MW-1S</b>									
Mercury, Total	ND	0.005	0.00466	93	-	-	70-130	-	20
<b>Total Metals - Mansfield Lab Associated sample(s): 01-16    QC Batch ID: WG1586145-5    QC Sample: L2168581-02    Client ID: MW-2S</b>									
Mercury, Total	ND	0.025	0.02314	92	-	-	70-130	-	20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: T. DEWITT LANDFILL MONITORING

Project Number: 1128-2021-GW

Lab Number: L2168581

Report Date: 12/31/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-16 QC Batch ID: WG1586144-4 QC Sample: L2168577-01 Client ID: DUP Sample						
Antimony, Total	ND	ND	mg/l	NC		20
Arsenic, Total	0.003J	0.002J	mg/l	NC		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Copper, Total	ND	ND	mg/l	NC		20
Lead, Total	0.004J	0.003J	mg/l	NC		20
Nickel, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Thallium, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.019J	0.020J	mg/l	NC		20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: T. DEWITT LANDFILL MONITORING

Project Number: 1128-2021-GW

Lab Number: L2168581

Report Date: 12/31/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-16 QC Batch ID: WG1586144-8 QC Sample: L2168577-02 Client ID: DUP Sample					
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	0.123	0.120	mg/l	2	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	0.011J	0.011J	mg/l	NC	20
Chromium, Total	ND	ND	mg/l	NC	20
Copper, Total	0.037J	0.038J	mg/l	NC	20
Lead, Total	0.048J	0.045J	mg/l	NC	20
Nickel, Total	0.032J	0.036J	mg/l	NC	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Thallium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.306J	0.302J	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01-16 QC Batch ID: WG1586145-4 QC Sample: L2168581-01 Client ID: MW-1S					
Mercury, Total	ND	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01-16 QC Batch ID: WG1586145-6 QC Sample: L2168581-02 Client ID: MW-2S					
Mercury, Total	ND	ND	mg/l	NC	20



# **INORGANICS & MISCELLANEOUS**

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

**Lab ID:** L2168581-01  
**Client ID:** MW-1S  
**Sample Location:** FISHER RD., EAST SYRACUSE

**Date Collected:** 12/13/21 11:25  
**Date Received:** 12/14/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	1300		mg/l	10	3.1	1	-	12/19/21 06:00	121,2540C	DW



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-02  
 Client ID: MW-2S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 11:20  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	1400		mg/l	10	3.1	1	-	12/19/21 06:00	121,2540C	DW



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

**Lab ID:** L2168581-03  
**Client ID:** MW-2D  
**Sample Location:** FISHER RD., EAST SYRACUSE

**Date Collected:** 12/13/21 11:00  
**Date Received:** 12/14/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	2300		mg/l	10	3.1	1	-	12/19/21 06:00	121,2540C	DW



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-04  
 Client ID: MW-3S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 13:30  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	2200		mg/l	10	3.1	1	-	12/19/21 06:00	121,2540C	DW



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-05  
 Client ID: MW-4S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 13:07  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	2800		mg/l	10	3.1	1	-	12/19/21 06:00	121,2540C	DW



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-06  
 Client ID: MW-4D  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 13:15  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	2900		mg/l	10	3.1	1	-	12/19/21 06:00	121,2540C	DW



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-07  
 Client ID: MW-6S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 11:55  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	1200		mg/l	10	3.1	1	-	12/19/21 06:00	121,2540C	DW





**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

**Lab ID:** L2168581-08  
**Client ID:** NMW-7S  
**Sample Location:** FISHER RD., EAST SYRACUSE

**Date Collected:** 12/13/21 09:32  
**Date Received:** 12/14/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	1500		mg/l	10	3.1	1	-	12/19/21 06:00	121,2540C	DW



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

### SAMPLE RESULTS

**Lab ID:** L2168581-09  
**Client ID:** MW-8S  
**Sample Location:** FISHER RD., EAST SYRACUSE

**Date Collected:** 12/13/21 15:35  
**Date Received:** 12/14/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	1100		mg/l	10	3.1	1	-	12/19/21 06:00	121,2540C	DW



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-10  
 Client ID: MW-8D  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 15:20  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	2700		mg/l	10	3.1	1	-	12/19/21 06:00	121,2540C	DW



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-11  
 Client ID: MW-9S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 14:45  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	1400		mg/l	10	3.1	1	-	12/19/21 06:00	121,2540C	DW



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

**Lab ID:** L2168581-12  
**Client ID:** MW-9M  
**Sample Location:** FISHER RD., EAST SYRACUSE

**Date Collected:** 12/13/21 15:10  
**Date Received:** 12/14/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	1200		mg/l	10	3.1	1	-	12/19/21 06:00	121,2540C	DW



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

### SAMPLE RESULTS

**Lab ID:** L2168581-13  
**Client ID:** MW-9D  
**Sample Location:** FISHER RD., EAST SYRACUSE

**Date Collected:** 12/13/21 14:30  
**Date Received:** 12/14/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	200000		mg/l	1000	310	100	-	12/20/21 08:15	121,2540C	DW



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

**Lab ID:** L2168581-14  
**Client ID:** MW-10S  
**Sample Location:** FISHER RD., EAST SYRACUSE

**Date Collected:** 12/13/21 10:15  
**Date Received:** 12/14/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	1800		mg/l	10	3.1	1	-	12/19/21 06:00	121,2540C	DW



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

Lab ID: L2168581-15  
 Client ID: MW-11D  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/13/21 11:05  
 Date Received: 12/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	1100		mg/l	10	3.1	1	-	12/19/21 06:00	121,2540C	DW





**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**SAMPLE RESULTS**

**Lab ID:** L2168581-16  
**Client ID:** MW-12S  
**Sample Location:** FISHER RD., EAST SYRACUSE

**Date Collected:** 12/13/21 10:10  
**Date Received:** 12/14/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	2300		mg/l	10	3.1	1	-	12/19/21 06:00	121,2540C	DW



Project Name: T. DEWITT LANDFILL MONITORING

Lab Number: L2168581

Project Number: 1128-2021-GW

Report Date: 12/31/21

**Method Blank Analysis**  
**Batch Quality Control**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG1584564-1										
Solids, Total Dissolved	4.0	J	mg/l	10	3.1	1	-	12/19/21 06:00	121,2540C	DW
General Chemistry - Westborough Lab for sample(s): 09-12,14-16 Batch: WG1585127-1										
Solids, Total Dissolved	ND		mg/l	10	3.1	1	-	12/19/21 06:00	121,2540C	DW
General Chemistry - Westborough Lab for sample(s): 13 Batch: WG1585300-1										
Solids, Total Dissolved	ND		mg/l	10	3.1	1	-	12/20/21 08:15	121,2540C	DW



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING

**Project Number:** 1128-2021-GW

**Lab Number:** L2168581

**Report Date:** 12/31/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG1584564-2								
Solids, Total Dissolved	90		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 09-12,14-16 Batch: WG1585127-2								
Solids, Total Dissolved	89		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 13 Batch: WG1585300-2								
Solids, Total Dissolved	96		-		80-120	-		

## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** T. DEWITT LANDFILL MONITORING

**Project Number:** 1128-2021-GW

**Lab Number:** L2168581

**Report Date:** 12/31/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1584564-3 QC Sample: L2169562-01 Client ID: DUP Sample						
Solids, Total Dissolved	840	840	mg/l	0		10
General Chemistry - Westborough Lab Associated sample(s): 09-12,14-16 QC Batch ID: WG1585127-3 QC Sample: L2168581-09 Client ID: MW-8S						
Solids, Total Dissolved	1100	1100	mg/l	0		10
General Chemistry - Westborough Lab Associated sample(s): 13 QC Batch ID: WG1585300-3 QC Sample: L2168531-01 Client ID: DUP Sample						
Solids, Total Dissolved	390	350	mg/l	11	Q	10

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information**

Cooler	Custody Seal
A	Absent
B	Absent

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2168581-01A	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-01B	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-01C	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-01D	Plastic 250ml unpreserved	A	7	7	5.2	Y	Absent		TDS-2540(7)
L2168581-01E	Plastic 250ml HNO3 preserved	A	<2	<2	5.2	Y	Absent		SB-UI(180),NI-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),CU-UI(180),AS-UI(180),TL-UI(180),PB-UI(180)
L2168581-02A	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-02B	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-02C	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-02D	Plastic 250ml unpreserved	A	7	7	5.2	Y	Absent		TDS-2540(7)
L2168581-02E	Plastic 250ml HNO3 preserved	A	<2	<2	5.2	Y	Absent		NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180)
L2168581-03A	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-03B	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-03C	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-03D	Plastic 250ml unpreserved	A	7	7	5.2	Y	Absent		TDS-2540(7)
L2168581-03E	Plastic 250ml HNO3 preserved	A	<2	<2	5.2	Y	Absent		NI-UI(180),SB-UI(180),ZN-UI(180),AG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),CR-UI(180),BE-UI(180),CU-UI(180),PB-UI(180),TL-UI(180),AS-UI(180)
L2168581-04A	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		624.1(3)
L2168581-04B	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		624.1(3)
L2168581-04C	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		624.1(3)

**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168581**Project Number:** 1128-2021-GW**Report Date:** 12/31/21**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2168581-04D	Plastic 250ml unpreserved	B	7	7	4.1	Y	Absent		TDS-2540(7)
L2168581-04E	Plastic 250ml HNO3 preserved	B	<2	<2	4.1	Y	Absent		NI-UI(180),SB-UI(180),ZN-UI(180),AG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),TL-UI(180),PB-UI(180),CU-UI(180),AS-UI(180)
L2168581-05A	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-05B	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-05C	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-05D	Plastic 250ml unpreserved	A	7	7	5.2	Y	Absent		TDS-2540(7)
L2168581-05E	Plastic 250ml HNO3 preserved	A	<2	<2	5.2	Y	Absent		SB-UI(180),NI-UI(180),ZN-UI(180),AG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),PB-UI(180),CU-UI(180),TL-UI(180),AS-UI(180)
L2168581-06A	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-06B	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-06C	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-06D	Plastic 250ml unpreserved	A	7	7	5.2	Y	Absent		TDS-2540(7)
L2168581-06E	Plastic 250ml HNO3 preserved	A	<2	<2	5.2	Y	Absent		NI-UI(180),SB-UI(180),ZN-UI(180),AG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),CU-UI(180),AS-UI(180),PB-UI(180),TL-UI(180)
L2168581-07A	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-07B	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-07C	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-07D	Plastic 250ml unpreserved	A	7	7	5.2	Y	Absent		TDS-2540(7)
L2168581-07E	Plastic 250ml HNO3 preserved	A	<2	<2	5.2	Y	Absent		NI-UI(180),SB-UI(180),ZN-UI(180),AG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),PB-UI(180),TL-UI(180),CU-UI(180),AS-UI(180)
L2168581-08A	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		624.1(3)
L2168581-08B	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		624.1(3)
L2168581-08C	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		624.1(3)
L2168581-08D	Plastic 250ml unpreserved	B	7	7	4.1	Y	Absent		TDS-2540(7)

**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2168581**Project Number:** 1128-2021-GW**Report Date:** 12/31/21**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2168581-08E	Plastic 250ml HNO3 preserved	B	<2	<2	4.1	Y	Absent		NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),CR-UI(180),BE-UI(180),PB-UI(180),CU-UI(180),AS-UI(180),TL-UI(180)
L2168581-09A	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		624.1(3)
L2168581-09B	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		624.1(3)
L2168581-09C	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		624.1(3)
L2168581-09D	Plastic 250ml unpreserved	B	7	7	4.1	Y	Absent		TDS-2540(7)
L2168581-09E	Plastic 250ml HNO3 preserved	B	<2	<2	4.1	Y	Absent		NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),CU-UI(180),AS-UI(180),PB-UI(180),TL-UI(180)
L2168581-10A	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		624.1(3)
L2168581-10B	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		624.1(3)
L2168581-10C	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		624.1(3)
L2168581-10D	Plastic 250ml unpreserved	B	7	7	4.1	Y	Absent		TDS-2540(7)
L2168581-10E	Plastic 250ml HNO3 preserved	B	<2	<2	4.1	Y	Absent		SB-UI(180),NI-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),CU-UI(180),TL-UI(180),PB-UI(180),AS-UI(180)
L2168581-11A	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-11B	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-11C	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-11D	Plastic 250ml unpreserved	A	7	7	5.2	Y	Absent		TDS-2540(7)
L2168581-11E	Plastic 250ml HNO3 preserved	A	<2	<2	5.2	Y	Absent		SB-UI(180),NI-UI(180),ZN-UI(180),AG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),CR-UI(180),BE-UI(180),AS-UI(180),PB-UI(180),TL-UI(180),CU-UI(180)
L2168581-12A	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-12B	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-12C	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-12D	Plastic 250ml unpreserved	A	7	7	5.2	Y	Absent		TDS-2540(7)
L2168581-12E	Plastic 250ml HNO3 preserved	A	<2	<2	5.2	Y	Absent		NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),CU-UI(180),AS-UI(180),PB-UI(180),TL-UI(180)

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Serial\_No:** 12312116:42  
**Lab Number:** L2168581  
**Report Date:** 12/31/21

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2168581-13A	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		624.1(3)
L2168581-13B	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		624.1(3)
L2168581-13C	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		624.1(3)
L2168581-13D	Plastic 250ml unpreserved	B	7	7	4.1	Y	Absent		TDS-2540(7)
L2168581-13E	Plastic 250ml HNO3 preserved	B	<2	<2	4.1	Y	Absent		SB-UI(180),NI-UI(180),ZN-UI(180),AG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),TL-UI(180),AS-UI(180),PB-UI(180),CU-UI(180)
L2168581-14A	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-14B	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-14C	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-14D	Plastic 250ml unpreserved	A	7	7	5.2	Y	Absent		TDS-2540(7)
L2168581-14E	Plastic 250ml HNO3 preserved	A	<2	<2	5.2	Y	Absent		NI-UI(180),SB-UI(180),ZN-UI(180),AG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),PB-UI(180),AS-UI(180),TL-UI(180),CU-UI(180)
L2168581-15A	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-15B	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-15C	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-15D	Plastic 250ml unpreserved	A	7	7	5.2	Y	Absent		TDS-2540(7)
L2168581-15E	Plastic 250ml HNO3 preserved	A	<2	<2	5.2	Y	Absent		SB-UI(180),NI-UI(180),ZN-UI(180),AG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),TL-UI(180),CU-UI(180),PB-UI(180),AS-UI(180)
L2168581-16A	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-16B	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-16C	Vial Na2S2O3 preserved	A	NA		5.2	Y	Absent		624.1(3)
L2168581-16D	Plastic 250ml unpreserved	A	7	7	5.2	Y	Absent		TDS-2540(7)
L2168581-16E	Plastic 250ml HNO3 preserved	A	<2	<2	5.2	Y	Absent		NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),PB-UI(180),CU-UI(180),AS-UI(180),TL-UI(180)
L2168581-17A	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		624.1(3)
L2168581-17B	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		624.1(3)

\*Values in parentheses indicate holding time in days





**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

**Data Qualifiers**

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2168581  
**Report Date:** 12/31/21

## REFERENCES

- 3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.
- 19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpeneol

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpeneol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



<b>NEW YORK CHAIN OF CUSTODY</b> Westborough, MA 01581    8 Walkup Dr. TEL: 508-898-9220    FAX: 508-898-9193 Mansfield, MA 02048    320 Forbes Blvd TEL: 508-822-9300    FAX: 508-822-3288		<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 2		Date Rec'd in Lab <b>12/15/21</b>		ALPHA Job # <b>L2168581</b>						
		<b>Project Information</b> Project Name: T. of Dewitt Landfill Monitoring Project Location: Fisher Rd, East Syracuse Project # 1128-2021-GW (Use Project name as Project #) <input type="checkbox"/>				<b>Deliverables</b> <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQUS (1 File) <input type="checkbox"/> EQUS (4 File) <input type="checkbox"/> Other		<b>Billing Information</b> <input checked="" type="checkbox"/> Same as Client Info PO #						
<b>Client Information</b> Client: T. of Dewitt c/o Kerrie Fusco Address: 5400 Butternut Drive East Syracuse, NY 13057 Phone: (315) 569-2144 cell Fax: Email: ggould@gouldgw.com		<b>Project Manager:</b> Gerry Gould/Miller Engineers <b>ALPHAQuote #:</b> <b>Turn-Around Time</b> Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		<b>Regulatory Requirement:</b> <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other.								
These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments: Please specify Metals or TAL.				<b>ANALYSIS</b>				<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <b>Preservation</b> <input type="checkbox"/> Lab to do (Please Specify below)						
				624.1		PP Metals		TDS		FIELD Readings				
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials							Sample Specific Comments		
		Date	Time											
68581 -01	MW-1S	12-13-21	1125	GW	TDW	X	X	X						5
-02	MW-2S	↓	1120	GW	↓	X	X	X						5
-03	MW-2D	↓	1100	GW	↓	X	X	X						5
-04	MW-3S	↓	1330	GW	↓	X	X	X						5
-05	MW-4S	↓	1307	GW	↓	X	X	X						5
-06	MW-4D	↓	1315	GW	↓	X	X	X						5
	<del>MW-5S</del>			GW		X	X	X					No Samples	5
	<del>MW-5D</del>			GW		X	X	X					collected	5
-07	MW-6S	12-13-21	1155	GW	TDW	X	X	X						5
-08	NMW-7S	↓	932	GW	↓	X	X	X						5
Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type V    P    P		Preservative H    C    A				Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S <a href="#">TERMS &amp; CONDITIONS.</a>		
		Relinquished By: AAL		Date/Time 12-14-21/1000		Received By: 		Date/Time 12/15/21 0120						



<b>NEW YORK CHAIN OF CUSTODY</b> Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-8220 FAX: 508-898-9193	<b>Mansfield, MA 02048</b> 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 106	<b>Page 2</b> of 2	<b>Date Rec'd in Lab</b> <span style="font-size:1.2em; margin-left: 50px;">12/15/21</span>	<b>ALPHA Job #</b> <span style="font-size:1.2em; margin-left: 10px;">L2168581</span>					
		<b>Project Information</b> Project Name: T. of Dewitt Landfill Monitoring Project Location: Fisher Rd, East Syracuse Project # 1128-2021-GW (Use Project name as Project #) <input type="checkbox"/>		<b>Deliverables</b> <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQulS (1 File) <input type="checkbox"/> EQulS (4 File) <input type="checkbox"/> Other		<b>Billing Information</b> <input checked="" type="checkbox"/> Same as Client Info PO #				
		<b>Client Information</b> Client: T. of Dewitt c/o Kerrie Fusco Address: 5400 Butternut Drive East Syracuse, NY 13057 Phone: (315) 569-2144 cell Fax: Email: ggould@gouldgw.com		<b>Project Manager:</b> Gerry Gould/Miller Engineers <b>ALPHAQuote #:</b> <b>Turn-Around Time</b> Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		<b>Regulatory Requirement</b> <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge	<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:			
These samples have been previously analyzed by Alpha <input type="checkbox"/> <b>Other project specific requirements/comments:</b> Client Code: DEWITT Please specify Metals or TAL.				<b>ANALYSIS</b>		<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <b>Preservation</b> <input type="checkbox"/> Lab to do (Please Specify below)				
<b>ALPHA Lab ID (Lab Use Only)</b>	<b>Sample ID</b>	<b>Collection</b>		<b>Sample Matrix</b>	<b>Sampler's Initials</b>	<b>624.1</b>	<b>PP Metals</b>	<b>TDS</b>	<b>FIELD Readings</b>	<b>Sample Specific Comments</b>
		Date	Time							
68581-09	MW-8S	12-13-21	1535	GW	TDW		X	X	X	
-10	MW-8D		1520	GW			X	X	X	
-11	MW-9S		1445	GW			X	X	X	
-12	MW-9M		1510	GW			X	X	X	
-13	MW-9D		1430	GW			X	X	X	
14	MW-10S		1015	GW			X	X	X	
-15	MW-11D		1105	GW			X	X	X	
-16	MW-12S		1010	GW			X	X	X	
-17	TRIP BLANK	12-13-21		Labwiker	TDW		X			
<b>Preservative Code:</b> A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other		<b>Container Code:</b> P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		<b>Westboro: Certification No: MA935</b> <b>Mansfield: Certification No: MA015</b>		<b>Container Type</b> V   P   P		<b>Preservative</b> H   C   A		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S <a href="#">TERMS &amp; CONDITIONS.</a>
<b>Relinquished By:</b> AAL		<b>Date/Time</b> 12-14-21/1000		<b>Received By:</b> 		<b>Date/Time</b> 12/15/21 0120				



## ANALYTICAL REPORT

Lab Number:	L2169992
Client:	Town of Dewitt 5400 Butternut Drive East Syracuse, NY 13057
ATTN:	Kerri Fusco
Phone:	(315) 446-3392
Project Name:	T. DEWITT LANDFILL MONITORING
Project Number:	1128-2021-GW
Report Date:	01/05/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

---

Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)





**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2169992-01	MW-5S	WATER	FISHER RD., EAST SYRACUSE	12/20/21 10:20	12/20/21
L2169992-02	MW-5D	WATER	FISHER RD., EAST SYRACUSE	12/20/21 10:20	12/20/21
L2169992-03	TRIP BLANK	WATER	FISHER RD., EAST SYRACUSE	12/20/21 00:00	12/20/21

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

---

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

**Case Narrative (continued)**

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics by Method 624

The WG1586656-3 LCS recovery, associated with L2169992-01 through -03, is above the acceptance criteria for acrolein (200%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Caitlin Walukevich

Title: Technical Director/Representative

Date: 01/05/22

# ORGANICS

# VOLATILES

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

**SAMPLE RESULTS**

Lab ID: L2169992-01  
 Client ID: MW-5S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/20/21 10:20  
 Date Received: 12/20/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/21/21 08:04  
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

**SAMPLE RESULTS**

Lab ID: L2169992-01  
 Client ID: MW-5S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/20/21 10:20  
 Date Received: 12/20/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	96		60-140
Fluorobenzene	92		60-140
4-Bromofluorobenzene	108		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

**SAMPLE RESULTS**

Lab ID: L2169992-02  
 Client ID: MW-5D  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/20/21 10:20  
 Date Received: 12/20/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/21/21 08:37  
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	0.98	J	ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	3.5		ug/l	1.0	0.17	1



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

**SAMPLE RESULTS**

Lab ID: L2169992-02  
 Client ID: MW-5D  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/20/21 10:20  
 Date Received: 12/20/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	0.36	J	ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	95		60-140
Fluorobenzene	90		60-140
4-Bromofluorobenzene	109		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

**SAMPLE RESULTS**

Lab ID: L2169992-03  
 Client ID: TRIP BLANK  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/20/21 00:00  
 Date Received: 12/20/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 12/21/21 09:10  
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

**SAMPLE RESULTS**

Lab ID: L2169992-03  
 Client ID: TRIP BLANK  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/20/21 00:00  
 Date Received: 12/20/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	96		60-140
Fluorobenzene	93		60-140
4-Bromofluorobenzene	110		60-140

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 128,624.1  
Analytical Date: 12/21/21 06:57  
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1586656-4					
Methylene chloride	ND		ug/l	1.0	0.56
1,1-Dichloroethane	ND		ug/l	1.5	0.40
Chloroform	ND		ug/l	1.0	0.38
Carbon tetrachloride	ND		ug/l	1.0	0.24
1,2-Dichloropropane	ND		ug/l	3.5	0.46
Dibromochloromethane	ND		ug/l	1.0	0.27
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.35
Tetrachloroethene	ND		ug/l	1.0	0.26
Chlorobenzene	ND		ug/l	3.5	0.30
Trichlorofluoromethane	ND		ug/l	5.0	0.28
1,2-Dichloroethane	ND		ug/l	1.5	0.47
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29
Bromodichloromethane	ND		ug/l	1.0	0.28
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34
Bromoform	ND		ug/l	1.0	0.22
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20
Benzene	ND		ug/l	1.0	0.38
Toluene	ND		ug/l	1.0	0.31
Ethylbenzene	ND		ug/l	1.0	0.28
Chloromethane	ND		ug/l	5.0	1.0
Bromomethane	ND		ug/l	5.0	1.2
Vinyl chloride	ND		ug/l	1.0	0.38
Chloroethane	ND		ug/l	2.0	0.37
1,1-Dichloroethene	ND		ug/l	1.0	0.31
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17
Trichloroethene	ND		ug/l	1.0	0.33

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 128,624.1  
Analytical Date: 12/21/21 06:57  
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1586656-4					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	ND		ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	ND		ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	ND		ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	ND		ug/l	1.0	0.23

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	98		60-140
Fluorobenzene	94		60-140
4-Bromofluorobenzene	108		60-140

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING

**Lab Number:** L2169992

**Project Number:** 1128-2021-GW

**Report Date:** 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1586656-3								
Methylene chloride	100		-		60-140	-		28
1,1-Dichloroethane	95		-		50-150	-		49
Chloroform	100		-		70-135	-		54
Carbon tetrachloride	75		-		70-130	-		41
1,2-Dichloropropane	95		-		35-165	-		55
Dibromochloromethane	95		-		70-135	-		50
1,1,2-Trichloroethane	105		-		70-130	-		45
2-Chloroethylvinyl ether	90		-		1-225	-		71
Tetrachloroethene	100		-		70-130	-		39
Chlorobenzene	115		-		65-135	-		53
Trichlorofluoromethane	95		-		50-150	-		84
1,2-Dichloroethane	105		-		70-130	-		49
1,1,1-Trichloroethane	100		-		70-130	-		36
Bromodichloromethane	100		-		65-135	-		56
trans-1,3-Dichloropropene	95		-		50-150	-		86
cis-1,3-Dichloropropene	95		-		25-175	-		58
Bromoform	100		-		70-130	-		42
1,1,1,2-Tetrachloroethane	115		-		60-140	-		61
Benzene	100		-		65-135	-		61
Toluene	105		-		70-130	-		41
Ethylbenzene	130		-		60-140	-		63
Chloromethane	100		-		1-205	-		60
Bromomethane	85		-		15-185	-		61

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING

**Lab Number:** L2169992

**Project Number:** 1128-2021-GW

**Report Date:** 01/05/22

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1586656-3								
Vinyl chloride	95		-		5-195	-		66
Chloroethane	95		-		40-160	-		78
1,1-Dichloroethene	100		-		50-150	-		32
trans-1,2-Dichloroethene	100		-		70-130	-		45
cis-1,2-Dichloroethene	100		-		60-140	-		30
Trichloroethene	95		-		65-135	-		48
1,2-Dichlorobenzene	120		-		65-135	-		57
1,3-Dichlorobenzene	120		-		70-130	-		43
1,4-Dichlorobenzene	125		-		65-135	-		57
p/m-Xylene	120		-		60-140	-		30
o-xylene	115		-		60-140	-		30
Styrene	115		-		60-140	-		30
Acetone	92		-		40-160	-		30
Carbon disulfide	95		-		60-140	-		30
2-Butanone	98		-		60-140	-		30
Vinyl acetate	88		-		60-140	-		30
4-Methyl-2-pentanone	108		-		60-140	-		30
2-Hexanone	100		-		60-140	-		30
Acrolein	200	Q	-		60-140	-		30
Acrylonitrile	100		-		60-140	-		60
Dibromomethane	100		-		70-130	-		30

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
-----------	-------------------------	-------------	--------------------------	-------------	----------------------------	------------	-------------	----------------------

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1586656-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
Pentafluorobenzene	99				60-140
Fluorobenzene	99				60-140
4-Bromofluorobenzene	107				60-140



## METALS

**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2169992**Project Number:** 1128-2021-GW**Report Date:** 01/05/22**SAMPLE RESULTS**

Lab ID: L2169992-01

Date Collected: 12/20/21 10:20

Client ID: MW-5S

Date Received: 12/20/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.050	0.007	1	01/03/22 12:55	01/04/22 20:07	EPA 3005A	19,200.7	EW
Arsenic, Total	0.008		mg/l	0.005	0.002	1	01/03/22 12:55	01/04/22 20:07	EPA 3005A	19,200.7	EW
Beryllium, Total	ND		mg/l	0.005	0.001	1	01/03/22 12:55	01/04/22 20:07	EPA 3005A	19,200.7	EW
Cadmium, Total	ND		mg/l	0.005	0.001	1	01/03/22 12:55	01/04/22 20:07	EPA 3005A	19,200.7	EW
Chromium, Total	ND		mg/l	0.010	0.002	1	01/03/22 12:55	01/04/22 20:07	EPA 3005A	19,200.7	EW
Copper, Total	ND		mg/l	0.010	0.002	1	01/03/22 12:55	01/04/22 20:07	EPA 3005A	19,200.7	EW
Lead, Total	0.006	J	mg/l	0.010	0.003	1	01/03/22 12:55	01/04/22 20:07	EPA 3005A	19,200.7	EW
Mercury, Total	0.00014	J	mg/l	0.00020	0.00009	1	01/03/22 16:39	01/04/22 19:42	EPA 245.1	3,245.1	AC
Nickel, Total	0.006	J	mg/l	0.025	0.002	1	01/03/22 12:55	01/04/22 20:07	EPA 3005A	19,200.7	EW
Selenium, Total	ND		mg/l	0.010	0.004	1	01/03/22 12:55	01/04/22 20:07	EPA 3005A	19,200.7	EW
Silver, Total	ND		mg/l	0.007	0.003	1	01/03/22 12:55	01/04/22 20:07	EPA 3005A	19,200.7	EW
Thallium, Total	ND		mg/l	0.020	0.003	1	01/03/22 12:55	01/04/22 20:07	EPA 3005A	19,200.7	EW
Zinc, Total	0.012	J	mg/l	0.050	0.002	1	01/03/22 12:55	01/04/22 20:07	EPA 3005A	19,200.7	EW



**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2169992**Project Number:** 1128-2021-GW**Report Date:** 01/05/22**SAMPLE RESULTS**

Lab ID: L2169992-02

Date Collected: 12/20/21 10:20

Client ID: MW-5D

Date Received: 12/20/21

Sample Location: FISHER RD., EAST SYRACUSE

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/l	0.050	0.007	1	01/03/22 12:55	01/04/22 20:11	EPA 3005A	19,200.7	EW
Arsenic, Total	0.014		mg/l	0.005	0.002	1	01/03/22 12:55	01/04/22 20:11	EPA 3005A	19,200.7	EW
Beryllium, Total	ND		mg/l	0.005	0.001	1	01/03/22 12:55	01/04/22 20:11	EPA 3005A	19,200.7	EW
Cadmium, Total	ND		mg/l	0.005	0.001	1	01/03/22 12:55	01/04/22 20:11	EPA 3005A	19,200.7	EW
Chromium, Total	ND		mg/l	0.010	0.002	1	01/03/22 12:55	01/04/22 20:11	EPA 3005A	19,200.7	EW
Copper, Total	ND		mg/l	0.010	0.002	1	01/03/22 12:55	01/04/22 20:11	EPA 3005A	19,200.7	EW
Lead, Total	0.006	J	mg/l	0.010	0.003	1	01/03/22 12:55	01/04/22 20:11	EPA 3005A	19,200.7	EW
Mercury, Total	ND		mg/l	0.00020	0.00009	1	01/03/22 16:39	01/04/22 19:46	EPA 245.1	3,245.1	AC
Nickel, Total	0.007	J	mg/l	0.025	0.002	1	01/03/22 12:55	01/04/22 20:11	EPA 3005A	19,200.7	EW
Selenium, Total	ND		mg/l	0.010	0.004	1	01/03/22 12:55	01/04/22 20:11	EPA 3005A	19,200.7	EW
Silver, Total	ND		mg/l	0.007	0.003	1	01/03/22 12:55	01/04/22 20:11	EPA 3005A	19,200.7	EW
Thallium, Total	ND		mg/l	0.020	0.003	1	01/03/22 12:55	01/04/22 20:11	EPA 3005A	19,200.7	EW
Zinc, Total	0.013	J	mg/l	0.050	0.002	1	01/03/22 12:55	01/04/22 20:11	EPA 3005A	19,200.7	EW



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1589353-1									
Antimony, Total	ND	mg/l	0.050	0.007	1	01/03/22 12:55	01/04/22 18:14	19,200.7	EW
Arsenic, Total	ND	mg/l	0.005	0.002	1	01/03/22 12:55	01/04/22 18:14	19,200.7	EW
Beryllium, Total	ND	mg/l	0.005	0.001	1	01/03/22 12:55	01/04/22 18:14	19,200.7	EW
Cadmium, Total	ND	mg/l	0.005	0.001	1	01/03/22 12:55	01/04/22 18:14	19,200.7	EW
Chromium, Total	ND	mg/l	0.010	0.002	1	01/03/22 12:55	01/04/22 18:14	19,200.7	EW
Copper, Total	ND	mg/l	0.010	0.002	1	01/03/22 12:55	01/04/22 18:14	19,200.7	EW
Lead, Total	ND	mg/l	0.010	0.003	1	01/03/22 12:55	01/04/22 18:14	19,200.7	EW
Nickel, Total	ND	mg/l	0.025	0.002	1	01/03/22 12:55	01/04/22 18:14	19,200.7	EW
Selenium, Total	ND	mg/l	0.010	0.004	1	01/03/22 12:55	01/04/22 18:14	19,200.7	EW
Silver, Total	ND	mg/l	0.007	0.003	1	01/03/22 12:55	01/04/22 18:14	19,200.7	EW
Thallium, Total	ND	mg/l	0.020	0.003	1	01/03/22 12:55	01/04/22 18:14	19,200.7	EW
Zinc, Total	0.005 J	mg/l	0.050	0.002	1	01/03/22 12:55	01/04/22 18:14	19,200.7	EW

### Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1589355-1									
Mercury, Total	ND	mg/l	0.00020	0.00009	1	01/03/22 16:39	01/04/22 18:57	3,245.1	AC

### Prep Information

Digestion Method: EPA 245.1



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING

**Lab Number:** L2169992

**Project Number:** 1128-2021-GW

**Report Date:** 01/05/22

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1589353-2								
Antimony, Total	104		-		85-115	-		
Arsenic, Total	107		-		85-115	-		
Beryllium, Total	100		-		85-115	-		
Cadmium, Total	109		-		85-115	-		
Chromium, Total	102		-		85-115	-		
Copper, Total	105		-		85-115	-		
Lead, Total	103		-		85-115	-		
Nickel, Total	99		-		85-115	-		
Selenium, Total	105		-		85-115	-		
Silver, Total	106		-		85-115	-		
Thallium, Total	101		-		85-115	-		
Zinc, Total	103		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1589355-2								
Mercury, Total	99		-		85-115	-		

### Matrix Spike Analysis Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02    QC Batch ID: WG1589353-3    QC Sample: L2169986-01    Client ID: MS Sample												
Antimony, Total	ND	0.5	0.528	106		-	-		75-125	-		20
Arsenic, Total	0.005J	0.12	0.144	120		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.051	101		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.057	108		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.203	102		-	-		75-125	-		20
Copper, Total	ND	0.25	0.267	107		-	-		75-125	-		20
Lead, Total	ND	0.53	0.533	100		-	-		75-125	-		20
Nickel, Total	0.004J	0.5	0.484	97		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.134	112		-	-		75-125	-		20
Silver, Total	ND	0.05	0.054	107		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.117	98		-	-		75-125	-		20
Zinc, Total	0.019J	0.5	0.530	106		-	-		75-125	-		20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
<b>Total Metals - Mansfield Lab Associated sample(s): 01-02    QC Batch ID: WG1589353-7    QC Sample: L2169986-02    Client ID: MS Sample</b>									
Antimony, Total	ND	0.5	0.534	107	-	-	75-125	-	20
Arsenic, Total	0.002J	0.12	0.143	119	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.051	102	-	-	75-125	-	20
Cadmium, Total	ND	0.053	0.058	109	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.205	102	-	-	75-125	-	20
Copper, Total	0.002J	0.25	0.268	107	-	-	75-125	-	20
Lead, Total	ND	0.53	0.537	101	-	-	75-125	-	20
Nickel, Total	0.005J	0.5	0.485	97	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.135	112	-	-	75-125	-	20
Silver, Total	ND	0.05	0.054	108	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.116	97	-	-	75-125	-	20
Zinc, Total	0.025J	0.5	0.544	109	-	-	75-125	-	20
<b>Total Metals - Mansfield Lab Associated sample(s): 01-02    QC Batch ID: WG1589355-3    QC Sample: L2170056-01    Client ID: MS Sample</b>									
Mercury, Total	ND	0.005	0.00470	94	-	-	70-130	-	20
<b>Total Metals - Mansfield Lab Associated sample(s): 01-02    QC Batch ID: WG1589355-5    QC Sample: L2170057-01    Client ID: MS Sample</b>									
Mercury, Total	ND	0.005	0.00952	190	Q	-	70-130	-	20

## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** T. DEWITT LANDFILL MONITORING

**Project Number:** 1128-2021-GW

**Lab Number:** L2169992

**Report Date:** 01/05/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1589355-4 QC Sample: L2170056-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1589355-6 QC Sample: L2170057-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20



# **INORGANICS & MISCELLANEOUS**

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

**SAMPLE RESULTS**

Lab ID: L2169992-01  
 Client ID: MW-5S  
 Sample Location: FISHER RD., EAST SYRACUSE

Date Collected: 12/20/21 10:20  
 Date Received: 12/20/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	2300		mg/l	10	3.1	1	-	12/27/21 06:40	121,2540C	DW



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

**SAMPLE RESULTS**

**Lab ID:** L2169992-02  
**Client ID:** MW-5D  
**Sample Location:** FISHER RD., EAST SYRACUSE

**Date Collected:** 12/20/21 10:20  
**Date Received:** 12/20/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total Dissolved	3200		mg/l	10	3.1	1	-	12/27/21 06:40	121,2540C	DW



**Project Name:** T. DEWITT LANDFILL MONITORING

**Lab Number:** L2169992

**Project Number:** 1128-2021-GW

**Report Date:** 01/05/22

**Method Blank Analysis  
Batch Quality Control**

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1587700-1									
Solids, Total Dissolved	ND	mg/l	10	3.1	1	-	12/27/21 06:40	121,2540C	DW



### Lab Control Sample Analysis Batch Quality Control

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1587700-2								
Solids, Total Dissolved	97		-		80-120	-		



## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** T. DEWITT LANDFILL MONITORING

**Project Number:** 1128-2021-GW

**Lab Number:** L2169992

**Report Date:** 01/05/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1587700-3 QC Sample: L2170118-01 Client ID: DUP Sample						
Solids, Total Dissolved	220	320	mg/l	37	Q	10

**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2169992**Project Number:** 1128-2021-GW**Report Date:** 01/05/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

Cooler	Custody Seal
A	Absent

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2169992-01A	Vial Na2S2O3 preserved	A	NA		3.4	Y	Absent		624.1(3)
L2169992-01B	Vial Na2S2O3 preserved	A	NA		3.4	Y	Absent		624.1(3)
L2169992-01C	Vial Na2S2O3 preserved	A	NA		3.4	Y	Absent		624.1(3)
L2169992-01D	Plastic 250ml unpreserved	A	7	7	3.4	Y	Absent		TDS-2540(7)
L2169992-01E	Plastic 250ml HNO3 preserved	A	<2	<2	3.4	Y	Absent		NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),CR-UI(180),BE-UI(180),CU-UI(180),TL-UI(180),AS-UI(180),PB-UI(180)
L2169992-02A	Vial Na2S2O3 preserved	A	NA		3.4	Y	Absent		624.1(3)
L2169992-02B	Vial Na2S2O3 preserved	A	NA		3.4	Y	Absent		624.1(3)
L2169992-02C	Vial Na2S2O3 preserved	A	NA		3.4	Y	Absent		624.1(3)
L2169992-02D	Plastic 250ml unpreserved	A	7	7	3.4	Y	Absent		TDS-2540(7)
L2169992-02E	Plastic 250ml HNO3 preserved	A	<2	<2	3.4	Y	Absent		NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180)
L2169992-03A	Vial Na2S2O3 preserved	A	NA		3.4	Y	Absent		624.1(3)
L2169992-03B	Vial Na2S2O3 preserved	A	NA		3.4	Y	Absent		624.1(3)

**Project Name:** T. DEWITT LANDFILL MONITORING**Lab Number:** L2169992**Project Number:** 1128-2021-GW**Report Date:** 01/05/22

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

*Report Format: DU Report with 'J' Qualifiers*



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

#### **Data Qualifiers**

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Project Name:** T. DEWITT LANDFILL MONITORING  
**Project Number:** 1128-2021-GW

**Lab Number:** L2169992  
**Report Date:** 01/05/22

### REFERENCES

- 3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.
- 19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.

### LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpeneol

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpeneol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water


**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 <b>NEW YORK CHAIN OF CUSTODY</b>	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1	Date Rec'd in Lab <i>12/21/21</i>	ALPHA Job # <i>2169992</i>																																																																																																																																																
		of 2																																																																																																																																																		
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	<b>Project Information</b>		<b>Deliverables</b>		<b>Billing Information</b>																																																																																																																																														
<b>Client Information</b>		Project Name: T. of Dewitt Landfill Monitoring		<input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQulS (1 File) <input type="checkbox"/> EQulS (4 File) <input type="checkbox"/> Other		<input checked="" type="checkbox"/> Same as Client Info PO #																																																																																																																																														
Client: T. of Dewitt c/o Kerrie Fusco		Project Location: Fisher Rd, East Syracuse		Regulatory Requirement		Disposal Site Information																																																																																																																																														
Address: 5400 Butternut Drive		Project # 1128-2021-GW		<input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:																																																																																																																																														
East Syracuse, NY 13057		(Use Project name as Project #) <input type="checkbox"/>		Project Manager: Gerry Gould/Miller Engineers		Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:																																																																																																																																														
Phone: (315) 569-2144 cell		ALPHAQuote #:		Turn-Around Time		Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:																																																																																																																																														
Fax:		Standard <input checked="" type="checkbox"/>		Due Date:		Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:																																																																																																																																														
Email: ggould@gouldgw.com		Rush (only if pre approved) <input type="checkbox"/>		# of Days:		Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:																																																																																																																																														
These samples have been previously analyzed by Alpha <input type="checkbox"/>				<b>ANALYSIS</b>																																																																																																																																																
Other project specific requirements/comments:				624.1 PP Metals      TDS FIELD Readings																																																																																																																																																
Please specify Metals or TAL.																																																																																																																																																				
<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th colspan="6">ANALYSIS</th> <th rowspan="2">Sample Specific Comments</th> </tr> <tr> <th>Date</th> <th>Time</th> <th>624.1</th> <th>PP Metals</th> <th>TDS</th> <th colspan="3">FIELD Readings</th> </tr> </thead> <tbody> <tr> <td>69992-01</td> <td>MW-5S</td> <td>12/20/21</td> <td>1620</td> <td>GW</td> <td>AF</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>5</td> </tr> <tr> <td>-02</td> <td>MW-5D</td> <td>12/20/21</td> <td>1630</td> <td>GW</td> <td>FS</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>5</td> </tr> <tr> <td>-03</td> <td>Trip Blank</td> <td>12/20/21</td> <td></td> <td>Lab Water</td> <td></td> <td>x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS						Sample Specific Comments	Date	Time	624.1	PP Metals	TDS	FIELD Readings			69992-01	MW-5S	12/20/21	1620	GW	AF	X	X	X						5	-02	MW-5D	12/20/21	1630	GW	FS	X	X	X						5	-03	Trip Blank	12/20/21		Lab Water		x								2																																																																												<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <b>Preservation</b> <input type="checkbox"/> Lab to do (Please Specify below)			
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection				Sample Matrix	Sampler's Initials			ANALYSIS							Sample Specific Comments																																																																																																																																			
		Date	Time	624.1	PP Metals			TDS	FIELD Readings																																																																																																																																											
69992-01	MW-5S	12/20/21	1620	GW	AF	X	X	X						5																																																																																																																																						
-02	MW-5D	12/20/21	1630	GW	FS	X	X	X						5																																																																																																																																						
-03	Trip Blank	12/20/21		Lab Water		x								2																																																																																																																																						
Preservative Code:		Container Code		Westboro: Certification No: MA935		Container Type		V      P      P H      C      A						Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S <a href="#">TERMS &amp; CONDITIONS.</a>																																																																																																																																						
A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>2</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other		P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Mansfield: Certification No: MA015		Preservative																																																																																																																																														
Form No. 01-25 (rev. 30-Sept-2013)		Relinquished By:		Date/Time		Received By:		Date/Time																																																																																																																																												
		<i>Kerrie Fusco</i>		<i>12/20/21 1135</i>		<i>Kerrie Fusco</i>		<i>12/21/21 0005</i>																																																																																																																																												