Town of Van Buren

Kingdom Road Landfill (Closed)

Environmental Monitoring Report

2020 Fourth Quarter

Town of Van Buren
7575 Van Buren Road
Baldwinsville, NY 13027

Sample Collection Information

Sampling Firm: Enalytic, LLC

Sampling Date(s): December 3, 2020

Sampling Locations: (See Appendix A)

Monitoring Wells	Overburden	Bedrock
Upgradient	MW-6S	MW-6D
Downgradient	MW-5S MW-8S MW-9S	MW-5D MW-8-D MW-9D
Residential Wells		
Downgradient	RW- A (Miller) RW- B (Nolan) RW- C (Davis)	

Sample Testing

Laboratory: Pace Analytical Services. Inc.

2190 Technology Drive
Schenectady, New York 13208
NYSDOH I.D. # 10350

2013 Parameters Tested: -All monitoring well locations were analyzed for 1988 NYSDEC Part 360 baseline Parameters.

-All residential locations were analyzed for 1988 NYSDEC Part 360 Baseline Parameters with additional analysis for EPA 601/602 parameters.

Annual Sampling Schedule:

Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
2017	-	R	-	-*
2018	-	-*	-	R
2019	-	B	-	-*
2020	-	-*	-	R
2021	-	R	-	-*
2022	-	-*	-	B

Notes:

R = 1988 NYSDEC Part 360 Routine Parameters
B = 1988 NYSDEC Part 360 Baseline Parameters
- = Sampling not required
* = Residential monitoring still required bi-annually for 1988 NYSDEC Part 360 Routine Parameters with additional analysis for EPA Method 601/602 parameters and Baseline Parameter during baseline monitoring events.

Assessment of Monitoring Results

Introduction

This report represents the results of environmental monitoring performed during the fourth quarter 2020 for the closed Town of Van Buren Landfill, Onondaga County, New York. It should be noted that the monitoring frequency was granted a reduction in a NYSDEC letter dated March 14, 2006 from a bi-annual to an annual frequency. Residential locations are still required to be sampled bi-annually. The environmental monitoring points at the closed landfill facility consist of four groundwater monitoring wells screened in the underlying bedrock unit (MW-5D, MW-6D, MW-8D, and MW-9D) and three residential wells (RW-A, RW-B, and RW-C).

Environmental monitoring activities at the Town of Van Buren Landfill were performed in accordance with the NYSDEC- approved Post-Closure Monitoring and Maintenance Manual prepared by Clough, Harbour & Associates (1995) and associated monitoring reduction letter request (Barton & Loguidice, P.C., March 2006). A field sampling team from Enalytic Laboratories, LLC., of Syracuse, New York, was responsible for the collection of landfill gas and groundwater samples during the fourth quarter 2020, and Pace Analytical Services. Inc was responsible for the laboratory analyses of these samples.

A Remedial Investigation/Feasibility Study (RI/FS) was previously completed at the time of the landfill closure to evaluate the need for potential site remediation activities and to determine the level of frequency of post-closure monitoring that would be required. Previous rounds of sampling conducted during the RI revealed that the contaminants of concern in the site groundwater as iron, manganese, barium, and arsenic. As recommended in the RI/FS report, the Town of Van Buren Landfill was capped in accordance with the remedial design outlined in the RI/FS and applicable 6 NYCRR Part 360 Regulations.

Eight (8) monitoring wells and three (3) residential wells constitute the groundwater monitoring well network at the closed landfill facility. As depicted on the attached site plan, the eight (8) monitoring wells were installed in couplets at a single upgradient location (MW-6S/MW-6D), and three (3) downgradient locations (MW-5S/MW-5D, MW-8S/MW-8D, and MW-9S/MW-9D).

The monitoring wells are distinguished within each cluster with the suffixes S and D indicating shallow and deep, respectively. All shallow wells (S) are screened in the overburden glacial till unit with ten (10) foot long screens and range in a depth from approximately 22 to 45 feet below ground surface (bgs). The deep wells (D) are completed in the underlying shale bedrock unit and range in depth from 66 to 100 feet bgs. The bedrock monitoring wells were constructed with 20-foot long screen sections, with the exception of MW-5D, which has ten (10) foot long screen section.

The three (3) residential wells that are sampled on a biannual basis are located downgradient of the landfill and are completely in the underlying bedrock aquifer. The groundwater samples from these wells are designated as RW-A, RW-B, and RW-C, and are collected from the Miller, Nolan, and Davis residences, respectively.

Two monitoring wells (MW-5S and MW-5D) were found to have turbidity over 50 NTU. Therefore, analysis of dissolved metals was performed.

Groundwater (Overburden)

The 2020 groundwater quality results for the overburden deposits at the Town of Van Buren Landfill are summarized in the tables included in Appendix D. These tables also present the historical overburden groundwater sampling results for comparison purposes. Water quality results for the overburden deposits at the landfill site are evaluated by the results from the three (3) downgradient monitoring wells (MW-5S, MW-8S, and MW-9S) to the up-gradient

monitoring well (MW-6S) and to applicable water quality standards. Table 1 summarizes the monitoring well locations and parameters that exceed water quality standards during the fourth quarter 2020 sampling event. As discussed below, the overburden groundwater quality results for the fourth quarter 2020 are generally consistent with historical levels.

The three monitoring locations (MW-5S, MW-8S, and MW-9S), which represent downgradient water quality for the overburden unit, were noted for exceeding parameters above Part 703 groundwater standards including total dissolved solids, turbidity, and total metals (iron, magnesium, manganese, and sodium). A listing of exceedances at each location is included in Table 1. The overburden unit water quality reported for the fourth quarter 2020 monitoring event appears to be consistent with historical results. Continued monitoring of the overburden unit will allow further assessments to be made regarding the positive impact of the landfill capping system on overburden water quality at the site.

Groundwater (Bedrock)

The 2020 groundwater quality results for the bedrock unit are summarized in the tables contained in Appendix D. The tables in Appendix D also present historical bedrock groundwater quality data for comparison purposes. Water quality results for the bedrock unit are evaluated by comparing the results from the three (3) downgradient monitoring wells (MW- 5D, MW-8D, and MW-9D) to the upgradient monitoring well (MW-6D) and to applicable water quality standards. Table 1 summarizes the monitoring well locations and parameters that exceeded the applicable water quality standards during the 2020 fourth quarter monitoring event.

The three monitoring locations (MW- 5D, MW-8D, and MW-9D), which represent downgradient water quality for the bedrock unit, were noted for exceeding parameters above Part 703 groundwater standards including ammonia, sulfate, total dissolved solids, turbidity and total metals: iron and sodium. Monitoring well 6D also had an exceedance in magnesium and 8D had an exceedance in manganese.

The bedrock groundwater quality concentrations reported for the 2020 monitoring event have remained consistent with prior sampling rounds (see Appendix D). Continued monitoring of the water quality in the bedrock unit will allow further assessment to be made regarding the influence of the landfill capping system on the downgradient water quality at the site.

Leachate Seeps

The leachate seep locations which were initially sampled and tested during the First Quarter of 1996 were observed to be dry during the fourth quarter of 2020 and therefore no samples were collected. The previously analyzed samples collected from the leachate seep locations revealed only slighted elevated parameter concentrations and were therefore considered to be of little concern or impact to the surrounding environment.

The past occurrence of leachate seeps appears to be related to the seasonally high water table that historically occurs during the early spring and fall at the Town of Van Buren Landfill site. The leachate seep locations will be checked for flow during future landfill site inspections but will likely not be sampled again unless a substantial difference in their physical appearance or flow is documented.

Landfill Gas

Explosive gas surveys were conducted by Enalytic Laboratories personnel at the closed Town of Van Buren Landfill to verify that decomposition gases generated by the landfill are being adequately controlled by the gas venting system. Gas readings were taking around the perimeter of the landfill using a Methane Gas Detector Model 7291. Explosive gas readings were collected by inserting a probe attached to the gas meter into a small diameter probe hole advanced approximately one (1) foot below ground surface. If any of the observed gas readings exceeded 25% of the lower explosive limit (L.E.L.) of methane, three (3) additional offset probe holes would have been installed as follows: 25 feet from the original sample location in a

direction away from the waste mass ("A" offset), 25 feet towards the previous perimeter explosive gas survey point ("B" offset), and 25 feet in the direction towards the next perimeter explosive gas survey point ("C" offset).

No off-set explosive gas survey points were necessary during the monitoring period as there was no detection of landfill gas at any of the explosive gas survey points. Explosive gas levels were also taken at each landfill gas vent to ensure they were functioning properly. The approximate locations of the explosive gas survey points are shown on the site map included in Appendix A and the results are included in Appendix E.

Residential Wells

The three off-site residential wells included in the environmental monitoring program are installed within the bedrock aquifer and situated downgradient of the closed landfill site. The residential water well sample locations are designated as RW-A (Miller), RW-B (Nolan), and RW-C (Davis), respectively. Each of the residences is equipped with a sediment filter, water softener and reverse osmosis' water filtration system to treat excess amount of total and dissolved metals present in the bedrock aquifer unit. In addition, the Miller residence is also equipped with a carbon filtration system to treat the presence of low level volatile organic compounds (VOCs). The water treatment systems are maintained by the Town of Van Buren through a contract with a certified water quality treatment company. The residential water well samples are always collected post-treatment to ensure that the above referenced water treatment systems are functioning properly.

During the fourth quarter monitoring event, the water quality at all three residential locations was generally comparable to historical data. All three residences have seen decreases in sulfate over the last several sampling times after an uptick during sampling in 2011-2015. The water treatment systems at all three residences were replaced in April 2017 due to the age of the prior systems and frequency of maintenance required.

Quality Control

Duplicate Sample Comparison

Precision and accuracy are measurements of reproducibility and the degree to which data approximate true values. Defining acceptance limits for QC measurements associated with all reported data controls these data qualities. The fourth quarter data sample was scheduled to be collected at monitoring location MW-9D.

Laboratory data precision is maintained by strict adherence to sampling procedures and analytical protocols. Precision is measured by monitoring the degree to which duplicate measurements are reproducible. Close agreement (i.e., 20%) between field samples taken in duplicate and laboratory split duplicate samples provide measurements of sampling and laboratory precision. Precision was calculated as:

$$RPD = \frac{(D)}{(R)} X\ 100$$

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

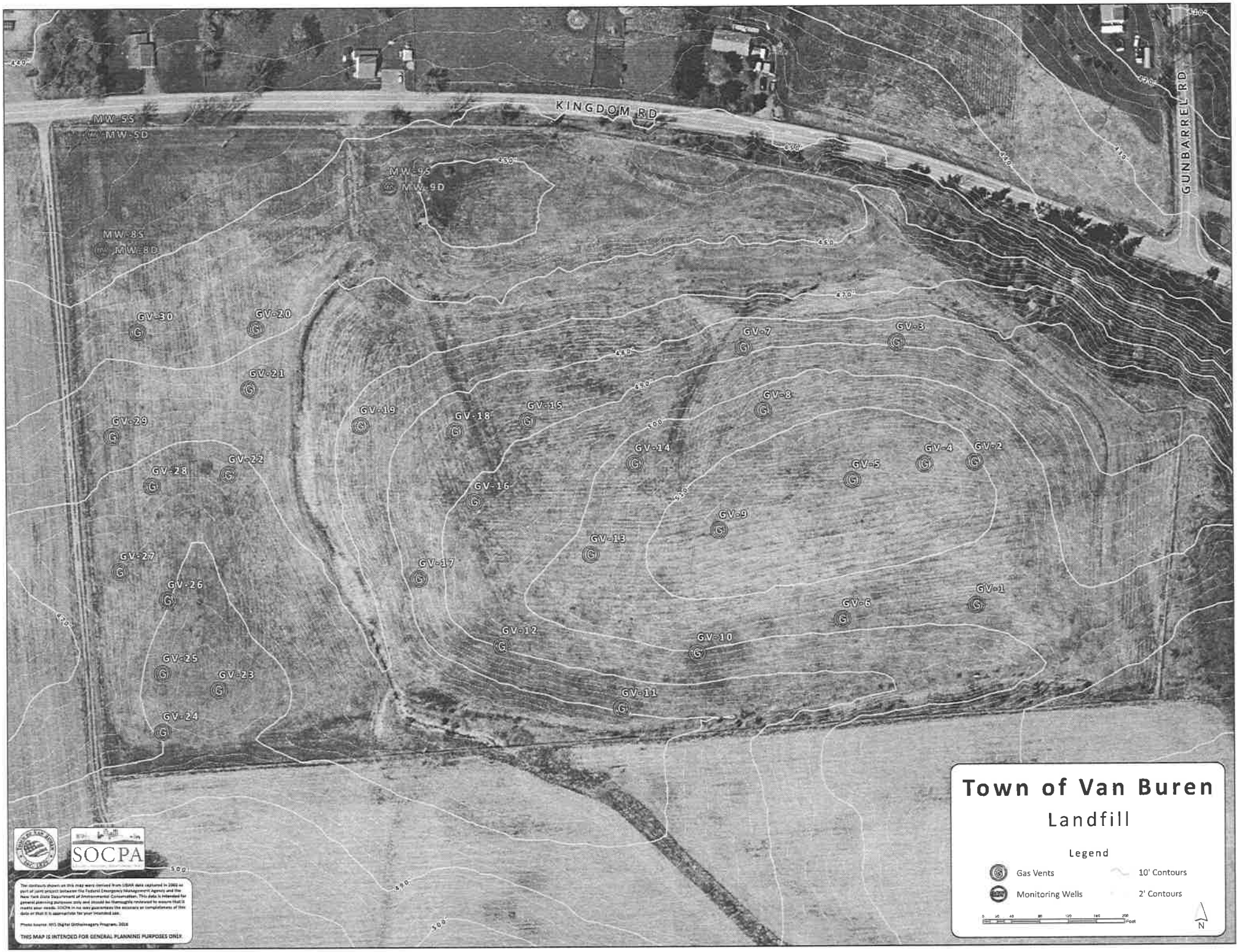
The number of RPD discrepancies has improved compared to previous comparisons since the laboratory reviewed field collection procedures. The RPD exceeded the 20% threshold for Chloride, Ammonia, Sulfate, TOC, and TKN.

TOWN OF VAN BUREN LANDFILL (CLOSED)
TABLE 1 - GROUNDWATER STANDARDS EXCEEDED

PARAMETER	6 NYCRR PART 703 STANDARD OR [GUIDANCE VALUE]	MONITORING WELL LOCATIONS							
		OVERBURDEN				BEDROCK			
		MW-5S	MW-6S	MW-8S	MW-9S	MW-5D	MW-6D	MW-8D	MW-9D
		Fourth Quarter	Fourth Quarter	Fourth Quarter	Fourth Quarter	Fourth Quarter	Fourth Quarter	Fourth Quarter	Fourth Quarter
Ammonia- Nitrogen	2.0 mg/L	---	---	---	---	3.5	---	---	---
Sulfate	250 mg/L	---	---	---	---	1040	---	---	689
Total Dissolved Solids	500 mg/L	533	---	664	---	1980	---	1390	1770
Turbidity	5 NTU	2000	45	6	800	60	46	75	20
Iron- T	0.3 mg/L	51.5	0.5	---	21.2	7.2	1.3	6.5	0.4
-D		3.1	---	---	---	2.6	---	0.5	---
Magnesium - T	[35] mg/L	76	57	42	64	---	37	---	---
-D		40	---	---	---	---	---	---	---
Manganese - T	0.3 mg/L	3.0	---	2.8	---	---	---	0.34	---
-D		1.3	---	---	---	---	---	0.09	---
Sodium - T	20 mg/L	---	---	---	33	67	---	73	71
-D		---	---	---	---	66	---	66	---

Appendix A

Landfill Map


KINGDOM RD
GUNBARREL RD
MW-5S
MW-5D
MW-9S
MW-9D
MW-8S
MW-8D
GV-30
GV-20
GV-21
GV-29
GV-22
GV-28
GV-27
GV-26
GV-25
GV-23
GV-24
GV-19
GV-18
GV-15
GV-7
GV-3
GV-8
GV-14
GV-4
GV-2
GV-5
GV-16
GV-9
GV-13
GV-17
GV-1
GV-6
GV-12
GV-10
GV-11
SOCPA
THIS MAP IS INTENDED FOR GENERAL PLANNING PURPOSES ONLY.
Town of Van Buren
Landfill
Legend
Gas Vents
Monitoring Wells
10' Contours
2' Contours
N

Appendix B

Field Data

Enalytic LLC

Ground water Field Log File: TS-30-01 Revised: 11/2014

Client: **Town Of Van Buren**

Project: **VanBuren Landfill**

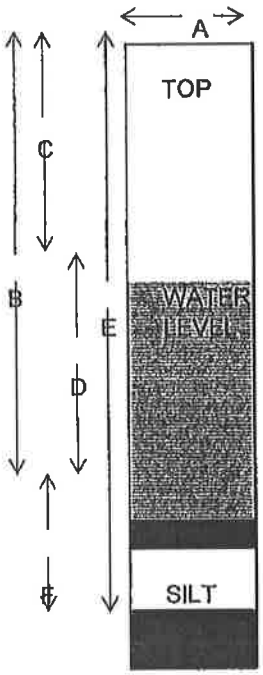
Well ID.: **MW-5S**

LAB ID Nos. (enter by lab)

Condition of Well: Good Locked: No

Method of Evacuation: HDPE Baller (New) Lock ID: None

Method of Sampling: HDPE Baller (New)



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	40.00	feet
C.	Depth to Water (TOC)	32.44	feet
D.	Length of Water Column (calc.)	7.56	feet
	Conversion Factor	X .16	------
	Well Volume (calculated)	1.21	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	3.63	gallons
	Actual Volume Evacuated	5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	12/2/2020	12/3/2020
Time	850	835
ORP	-116.4	-123.4
Temperature	10.4	12.8
pH	8.23	8.47
Specific Cond.	924	896
Turbidity (NTU)	75	Over 2000 NTUs
Dissolved Oxygen	2.74	3.48
Appearance	Coudy	Turbid, no odors

% Recharge:

Initial Depth to Water 32.44 feet

Recharge Depth to Water 32.41 feet

2nd water column height 100 %

1st water column height

Sampler: Brian Nichols
Aislynn Nichols
Moriah Nichols

Signature: Brian Nichols
Aislynn Nichols
Moriah Nichols

Weather: Cloudy, Cold, Snow 28 degF | Partly Sunny 38 degF

Observations: **Over 50 NYU. Added bottle for dissolved metals.**

Enalytic LLC

Ground water Field Log File: TS-30-01 Revised: 11/2014

Client: **Town Of Van Buren**

Project: **VanBuren Landfill**

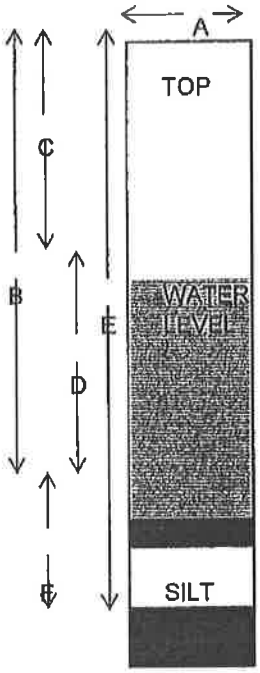
Well ID.: **MW-5D**

LAB ID No: (enter by lab)

Condition of Well: Good Locked: No

Method of Evacuation: HDPE Bailer (New) Lock ID: None

Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	75.50	feet
C.	Depth to Water (TOC)	37.74	feet
D.	Length of Water Column (calculatec	32.20	feet
	Conversion Factor	X .16	------
	Well Volume (calculated)	5.15	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	15.46	gallons
	Actual Volume Evacuated	18	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	12/2/2020	12/3/2020
Time	855	856
ORP	-133.4	-141.5
Temperature	8.5	8.8
pH	8.58	8.72
Specific Cond.	2010	2110
Turbidity (NTU)	32	60
Dissolved Oxygen	3.81	2.35
Appearance	Clear	Clear, No odors

% Recharge:

Initial Depth to Water 37.74 feet

Recharge Depth to Water 35.68 feet

2nd water column height 106 %

1st water column height

Sampler: Brian Nichols
Aislynn Nichols
Moriah Nichols

Signature: Brian Nichols
Aislynn Nichols
Moriah Nichols

Weather: Cloudy, Cold, Snow 28 degF | Partly Sunny 38 degF

Observations: **Over 50 NYU. Added bottle for dissolved metals.**

Enalytic LLC

Ground water Field Log File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren

Project: VanBuren Landfill

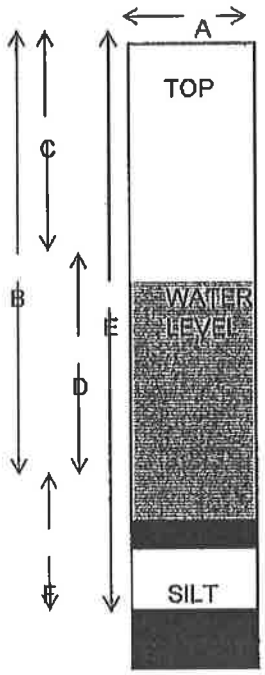
Well ID.: MW-6S

LAB ID No.: (enter by lab)

Condition of Well: Good Locked: No

Method of Evacuation: HDPE Bailer (New) Lock ID: None

Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	19.61	feet
C.	Depth to Water (TOC)	11.48	feet
D.	Length of Water Column (calculate(	8.13	feet
	Conversion Factor	X .16	------
	Well Volume (calculated)	1.30	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	3.90	gallons
	Actual Volume Evacuated	4	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	12/2/2020	12/3/2020
Time	1240	1300
ORP	-167.2	-159.1
Temperature	9.0	10.1
pH	9.16	9.09
Specific Cond.	673	638
Turbidity (NTU)	26	45
Dissolved Oxygen	4.13	3.04
Appearance	Cloudy, no odors	Cloudy, no odors

% Recharge:

Initial Depth to Water 11.48 feet

Recharge Depth to Water 11.53 feet

2nd water column height 100 %

1st water column height

Sampler: Brian Nichols
Aislynn Nichols
Moriah Nichols

Signature: Brian Nichols
Aislynn Nichols
Moriah Nichols

Weather: Cloudy, Cold, Snow 28 degF | Partly Sunny 38 degF

Observations:

Enalytic LLC

Ground water Field Log File: TS-30-01 Revised: 11/2014

Client: **Town Of Van Buren**

Project: **VanBuren Landfill**

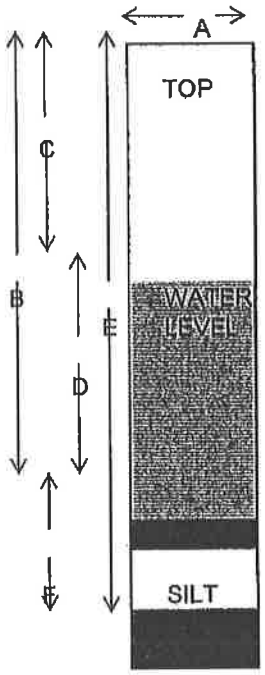
Well ID.: **MW-6D**

LAB ID No. (enter by lab)

Condition of Well: Good Locked: No

Method of Evacuation: HDPE Bailer (New) Lock ID: None

Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	62.60	feet
C.	Depth to Water (TOC)	30.46	feet
D.	Length of Water Column (calculatec	32.14	feet
	Conversion Factor	X .16	------
	Well Volume (calculated)	5.14	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	15.43	gallons
	Actual Volume Evacuated	16	gallons
E.	Installed Well Depth (If known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	12/2/2020	12/3/2020
Time	1238	1230
ORP	-180.4	-171.2
Temperature	8.8	9.8
pH	9.36	9.32
Specific Cond.	6.48	629
Turbidity (NTU)	22	40
Dissolved Oxygen	4.26	3.97
Appearance	Clear	Clear, no odors

% Recharge:

Initial Depth to Water 30.46 feet

Recharge Depth to Water 30.48 feet

2nd water column height 100 %

1st water column height

Sampler: Brian Nichols
Aislynn Nichols
Moriah Nichols

Signature: Brian Nichols
Aislynn Nichols
Moriah Nichols

Weather: Cloudy, Cold, Snow 28 degF | Partly Sunny 38 degF

Observations:

Enalytic LLC — Ground water Field Log — File: TS-30-01 — Revised: 11/2014

Client: Town Of Van Buren

Project: Van Buren Landfill

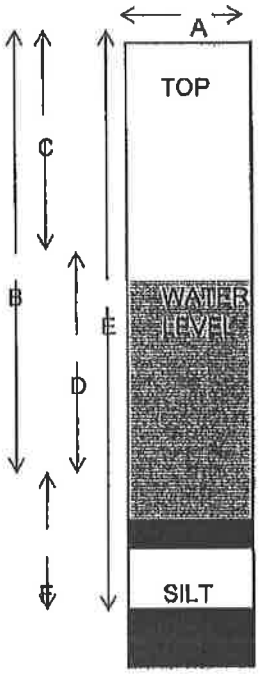
Well ID.: MW-8S

LAB ID No: (enter by lab)

Condition of Well: Good — Locked: No

Method of Evacuation: HDPE Bailer (New) — Lock ID: None

Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	39.60	feet
C.	Depth to Water (TOC)	34.82	feet
D.	Length of Water Column (calculate	4.78	feet
	Conversion Factor	X .16	------
	Well Volume (calculated)	0.76	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	2.29	gallons
	Actual Volume Evacuated	3	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	12/2/2020	12/3/2020
Time	953	1208
ORP	-114.3	-121.0
Temperature	7.2	12.6
pH	8.21	8.54
Specific Cond.	1114	1049
Turbidity (NTU)	13	6.4
Dissolved Oxygen	2.25	4.11
Appearance	Clear	Clear, no odors

% Recharge:

Initial Depth to Water 34.82 feet

Recharge Depth to Water 34.77 feet

2nd water column height 100 %

1st water column height

Sampler: Brian Nichols, Aislynn Nichols, Moriah Nichols

Signature: Brian Nichols, Aislynn Nichols, Moriah Nichols

Weather: Cloudy, Cold, Snow 28 degF | Partly Sunny 38 degF

Observations:

Enalytic LLC

Ground water Field Log File: TS-30-01 Revised: 11/2014

Client: **Town Of Van Buren**

Project: **VanBuren Landfill**

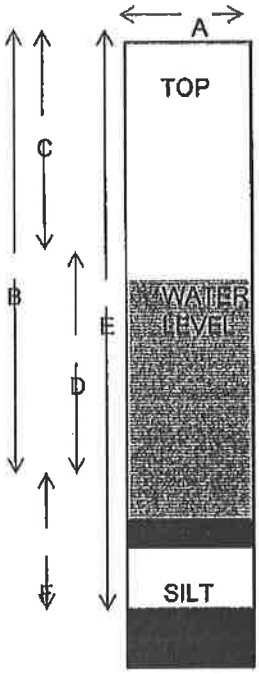
Well ID.: **MW-8D**

LAB ID No. (enter by lab)

Condition of Well: Good Locked: No

Method of Evacuation: HDPE Bailer (New) Lock ID: None

Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	2"	Inches
B.	Well Depth Measured	94.40	feet
C.	Depth to Water (TOC)	39.43	feet
D.	Length of Water Column (calculate	54.97	feet
	Conversion Factor	X .16	-----
	Well Volume (calculated)	8.80	gallons
	No. of Volumes to be Evacuated	X 3	-------
	Total Volume to be Evacuated	26.39	gallons
	Actual Volume Evacuated	30	gallons
E.	Installed Well Depth (If known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	12/2/2020	12/3/2020
Time	9.58	1138
ORP	-153.7	-155.8
Temperature	6.8	12.6
pH	9.00	8.96
Specific Cond.	1575	1613
Turbidity (NTU)	45	75
Dissolved Oxygen	4.84	4.14
Appearance	Cloudy	Cloudy, no odors

% Recharge:

Initial Depth to Water 39.43 feet

Recharge Depth to Water 38.82 feet

2nd water column height 102 %

1st water column height

Sampler: Brian Nichols
Aislynn Nichols
Moriah Nichols

Signature: Brian Nichols
Aislynn Nichols
Moriah Nichols

Weather: Cloudy, Cold, Snow 28 degF | Partly Sunny 38 degF

Observations: **Over 50 NYU. Added bottle for dissolved metals.**

Enalytic LLC

Ground water Field Log File: TS-30-01 Revised: 11/2014

Client: **Town Of Van Buren**

Project: **VanBuren Landfill**

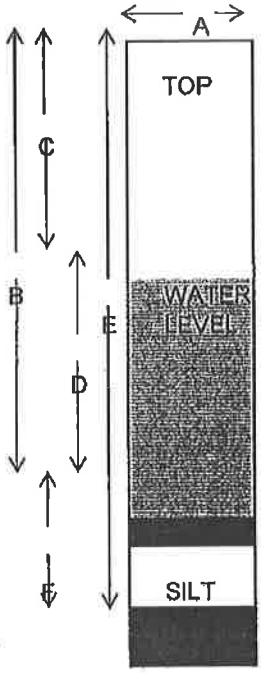
Well ID.: **MW-9S**

LAB ID No. (enter by lab):

Condition of Well: Good Locked: No

Method of Evacuation: HDPE Bailer (New) Lock ID: None

Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	40.40	feet
C.	Depth to Water (TOC)	33.36	feet
D.	Length of Water Column (calc.)	7.04	feet
	Conversion Factor	X .16	------
	Well Volume (calculated)	1.13	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	3.38	gallons
	Actual Volume Evacuated	4	gallons
E.	Installed Well Depth (If known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	12/2/2020	12/3/2020
Time	1103	1020
ORP	-159.7	-157.6
Temperature	7.1	14.7
pH	9.1	8.94
Specific Cond.	845	831
Turbidity (NTU)	31	800
Dissolved Oxygen	2.87	4.47
Appearance	Cloudy	Turbid, no odors

% Recharge:

Initial Depth to Water 33.36 feet

Recharge Depth to Water 36.36 feet

2nd water column height 92 %

1st water column height

Sampler: Brian Nichols, Aislynn Nichols, Moriah Nichols

Signature: Brian Nichols, Aislynn Nichols, Moriah Nichols

Weather: Cloudy, Cold, Snow 28 degF | Partly Sunny 38 degF

Observations: **Over 50 NYU. Added bottle for dissolved metals.**

Enalytic LLC

Ground water Field Log File: TS-30-01 Revised: 11/2014

Client: **Town Of Van Buren**

Project: **VanBuren Landfill**

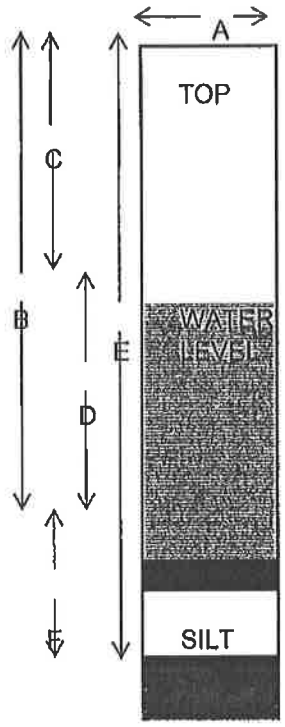
Well ID.: **MW-9D**

LAB ID No.: (enter by lab)

Condition of Well: Good Locked: No

Method of Evacuation: HDPE Bailer (New) Lock ID: None

Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	96.20	feet
C.	Depth to Water (TOC)	39.91	feet
D.	Length of Water Column (calculate	56.29	feet
	Conversion Factor	X .16	------
	Well Volume (calculated)	9.01	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	27.02	gallons
	Actual Volume Evacuated	24	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	12/2/2020	12/3/2020
Time	1101	955
ORP	-152.2	-122.6
Temperature	6.6	15.1
pH	9.12	8.37
Specific Cond.	1422	1417
Turbidity (NTU)	8.9	12
Dissolved Oxygen	5.52	4.22
Appearance	Clear	Clear, no odors

% Recharge:

Initial Depth to Water 39.91 feet

Recharge Depth to Water 39.78 feet

2nd water column height 100 %

1st water column height

Sampler: Brian Nichols
Aislynn Nichols
Moriah Nichols

Signature: Brian Nichols
Aislynn Nichols
Moriah Nichols

Weather: Cloudy, Cold, Snow 28 degF | Partly Sunny 38 degF

Observations: **Performed MW-X (DUPE) on MW-9D @10am**

Appendix C

Historical Spreadsheets

ONONDAGA COUNTY
WATER QUALITY TEST DATA

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	FIELD PARAMETERS				INORGANIC PARAMETERS					
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l $CaCO_3$)	HARD. (mg/l $CaCO_3$)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	–	–	6.5-8.5	–	15	5	–	–	500	250
MW-5S										
29-Mar-96	48	-75	6.5	1000	–	**5**	560	520	**680**	170
20-Jun-96	54	110	6.9	1000	**110**	2	290	490	**700**	38
5-Sep-96	61	-60	6.9	1000	–	2	580	600	**770**	31
12-Dec-96	48	-60	6.8	890	–	1	510	490	**690**	45
28-Mar-97	46	25	6.6	780	–	2	610	530	**710**	39
3-Jun-97	50	-10	6.5	1000	–	2	610	500	**650**	36
30-Sep-97	50	-10	6.7	1100	**140**	2	500	540	**770**	35
9-Dec-97	46	55	6.8	1300	–	1	560	560	**720**	32
30-Mar-98	55	-30	6.5	850	–	2	500	480	**620**	36
22-Oct-98	48	25	6.6	100	**22**	2	580	390	**680**	28
10-Jun-99	52	10	6.6	1050	**23**	1	640	530	**600**	25
7-Oct-99	48	0	6.7	1050	–	2	630	600	**690**	26
11-May-00	50	-15	**6.2**	1050	–	1	650	630	**610**	28
19-Oct-00	51	-40	7.2	862	**250**	**39**	630	610	**620**	21
6-Jun-01	56	-59	7.4	900	**28**	**11**	500	460	**630**	26
12-Nov-01	51	-15	7.4	786	–	**65**	480	–	**670**	26
31-May-02	53	-22	7.1	850	–	5	570	470	**620**	29
21-Nov-02	50	-3	**6.5**	768	**22**	**65**	590	490	**590**	23
16-May-03	54	-11	7.1	906	12	4	620	490	**630**	36
18-Dec-03	44	-25	7.5	653	–	3	630	560	**660**	25
27-May-04	51	-38	7.2	1218	–	**54**	510	470	**650**	29
14-Dec-04	46	-21	7.5	894	–	1	730	470	60	24
11-May-05	53	-8	7	1081	**100**	1	640	320	**595**	29
17-Nov-05	47	-25	6.7	1298	–	1	570	410	**692**	20
29-Dec-06	44	-27	6.7	1058	**50**	2	600	580	**618**	34
27-Jun-07	52	-43	6.7	522	–	2	490	490	**653**	28
31-Oct-08	50	-27	7.5	870	40	**71**	510	440	**560**	23
1-Jun-09	50	219	6.7	529	–	**12**	510	560	**570**	22
20-Oct-10	*51*	*-49*	*8*	*708*	–	***58***	*220*	*230*	***471***	*6.3*
15-Feb-11	49	-68	7.1	844	–	**5**	540	640	**640**	15
30-Jun-11	51	-80	7.0	1035	–	2	620	560	**750**	23
20-Dec-12	55	52	6.2	1030	–	**19**	550	670	**610**	15
6-Jun-13	55	-7	7.2	1091	–	2	568	374	**646**	20
28-Oct-14	54	-81	7.1	1105	–	**55**	433	596	**604**	21
6-May-15	54	-47	6.8	1049	–	32	549	1500	**626**	35
1-Nov-16	52	-75	7.1	1007	5	**57**	557	560	**576**	31
15-Jun-17	63	12	6.9	963	–	**7**	604	620	**587**	26
9-Oct-18	61	-31	6.7	976	–	**15**	546	680	**534**	27
12-Jun-19	56	-101	6.9	1026	5	**379**	544	800	**516**	24
3-Dec-20	55	-123	8.5	896	5	**> 2000**	827	---	**533**	20

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	–	–	–	–	0.005	0.1
MW-5S										
29-Mar-96	21	–	< 0.2	**3.6**	–	–	< 20	4	< 0.005	–
20-Jun-96	25	0.2	0.3	**3.2**	4.1	< 4	28	4	< 0.005	< 0.01
5-Sep-96	23	–	< 0.2	**3.2**	–	–	20	3	< 0.005	–
12-Dec-96	27	–	< 0.2	**4**	–	–	30	2	< 0.005	–
28-Mar-97	27	–	< 0.2	**3.5**	–	–	22	4	< 0.005	–
3-Jun-97	28	–	< 0.2	**3.5**	–	–	< 20	4	< 0.005	–
30-Sep-97	19	< 0.1	< 0.2	**2.5**	3.5	< 4	< 20	2	< 0.005	< 0.01
9-Dec-97	24	–	< 0.2	1.9	–	–	< 20	3	< 0.005	–
30-Mar-98	21	–	< 0.2	**3.3**	–	–	< 20	4	< 0.005	–
22-Oct-98	24	0.2	< 0.2	**2.2**	2.8	< 4	< 20	2	< 0.005	< 0.01
10-Jun-99	26	0.2	< 0.2	**3.6**	2.9	< 4	< 20	2	< 0.005	< 0.01
7-Oct-99	21	–	< 0.2	**2.1**	–	–	< 20	3	< 0.005	–
11-May-00	24	–	< 0.2	**2.4**	–	–	< 20	3	< 0.005	–
19-Oct-00	27	0.2	< 0.2	**2.1**	2	< 4	< 20	3	< 0.005	< 0.01
6-Jun-01	30	< 0.5	< 0.2	**2.6**	2.4	< 4	< 20	3	< 0.005	< 0.01
12-Nov-01	29	–	< 0.2	**3.5**	–	–	< 20	3	< 0.005	–
31-May-02	31	–	< 0.2	**2.6**	–	–	26	9	< 0.005	–
21-Nov-02	27	< 0.5	< 0.2	**2.6**	3	< 4	< 20	5	**0.009**	< 0.01
16-May-03	24	< 0.5	< 0.2	**2.3**	2.6	< 4	< 20	3	**0.009**	< 0.01
18-Dec-03	25	–	< 0.2	**3.4**	–	–	20	3	< 0.005	–
27-May-04	24	–	0.3	**2.2**	–	–	< 20	6	< 0.005	–
14-Dec-04	33	–	< 0.2	**2.5**	–	–	< 20	< 3	< 0.005	–
11-May-05	17	< 0.5	< 0.2	< 0.5	< 0.5	8	< 20	< 3	< 0.005	< 0.01
17-Nov-05	23	–	< 0.2	2	–	–	< 20	< 3	< 0.005	–
29-Dec-06	16	< 0.5	0.2	**2.5**	2.1	7	< 20	4	< 0.005	< 0.01
27-Jun-07	21	–	0.3	1.7	–	–	< 20	6	< 0.005	–
31-Oct-08	22	< 0.5	0.2	1.2	2.3	18	< 20	9	< 0.005	< 0.01
1-Jun-09	22	–	< 0.2	1.4	< 0.5	–	< 20	< 3	< 0.005	–
20-Oct-10	***200***	–	–	–	–	–	*120*	*4.2*	–	–
15-Feb-11	22	–	< 0.2	0.9	–	–	–	–	–	–
30-Jun-11	21	–	< 0.2	1.5	–	–	–	–	–	–
20-Dec-12	11	–	< 0.2	1.2	–	–	–	–	–	–
6-Jun-13	21	–	0.26	1.0		–	10	1.8	< 0.010	–
28-Oct-14	19.3	0.1	0.22	0.9	1.3	–	10	1.9	< 0.005	< 0.01
6-May-15	25	–	< 0.1	1.5	–	–	< 10	2.1	< 0.005	–
1-Nov-16	20	–	0.07	1.0	–	33	< 10	5.8	< 0.005	–
15-Jun-17	21	–	< 0.05	1.2	–	–	36	2.1	< 0.005	–
9-Oct-18	38	–	0.23	1.1	–	–	73	4.9	< 0.005	–
12-Jun-19	23.1	–	0.19	0.7	–	–	48	3.7	< 0.010	< 0.01
3-Dec-20	18	0.14	0.17	0.77	1.6	–	63	2.8	**0.0055**	< 0.01

ONONDAGA COUNTY
WATER QUALITY TEST DATA
VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-5S											
29-Mar-96	–	–	0.009	0.5	–	< 0.005	160	–	–	–	**9.1**
20-Jun-96	0.1	< 0.003	0.008	0.5	< 0.005	< 0.005	150	< 0.05	< 0.01	< 0.02	**8.9**
5-Sep-96	–	–	0.008	0.5	–	< 0.005	180	–	–	–	**11**
12-Dec-96	–	–	0.009	0.5	–	< 0.005	150	–	–	–	**9.1**
28-Mar-97	–	–	0.011	0.4	–	0.01	160	–	–	–	**9.7**
3-Jun-97	–	–	0.01	0.4	–	< 0.005	150	–	–	–	**9.6**
30-Sep-97	< 0.05	< 0.003	0.01	0.3	< 0.005	< 0.005	160	< 0.05	< 0.01	< 0.02	**9.4**
9-Dec-97	–	–	0.009	0.4	–	< 0.005	170	–	–	–	**7.8**
30-Mar-98	–	–	0.01	0.5	–	0.005	150	–	–	–	**8.7**
22-Oct-98	0.11	<0.003	0.007	0.5	< 0.005	< 0.005	100	< 0.05	< 0.01	< 0.02	**8.6**
10-Jun-99	0.09	< 0.003	0.008	0.4	< 0.005	< 0.005	160	< 0.05	< 0.01	0.02	**7.7**
7-Oct-99	–	–	–	–	–	0.005	180	–	–	–	**8**
11-May-00	–	–	–	–	–	< 0.005	190	–	–	–	**8.2**
19-Oct-00	0.08	< 0.003	0.008	0.5	< 0.005	< 0.005	190	< 0.05	< 0.01	< 0.02	**7.5**
6-Jun-01	0.23	< 0.003	**0.035**	0.4	< 0.005	< 0.005	140	< 0.02	< 0.01	< 0.02	**13**
12-Nov-01	–	–	< 0.010	0.4	–	< 0.005	140	–	–	–	**6.5**
31-May-02	–	–	0.013	0.4	–	< 0.005	140	–	–	–	**6.5**
21-Nov-02	0.09	< 0.003	< 0.010	0.4	< 0.005	< 0.005	150	< 0.05	< 0.01	< 0.02	**5.1**
16-May-03	0.15	< 0.003	0.013	0.4	< 0.005	0.006	150	< 0.05	< 0.01	< 0.02	**5.6**
18-Dec-03	–	–	0.015	0.5	–	< 0.005	170	–	–	–	**5.7**
27-May-04	–	–	0.012	0.4	–	< 0.005	140	–	–	–	**5.7**
14-Dec-04	–	–	< 0.010	0.4	–	< 0.005	140	–	–	–	**5.2**
11-May-05	< 0.05	< 0.003	0.017	< 0.3	< 0.005	< 0.005	92	< 0.05	< 0.01	< 0.04	**3.8**
17-Nov-05	–	–	0.014	0.8	–	< 0.005	120	–	–	–	**3.9**
29-Dec-06	0.1	< 0.003	< 0.010	0.5	< 0.005	< 0.005	170	< 0.05	< 0.01	< 0.02	**7.5**
27-Jun-07	–	–	< 0.010	0.4	–	< 0.005	140	–	–	–	**4.7**
31-Oct-08	< 0.05	< 0.003	< 0.010	0.3	< 0.005	< 0.005	120	< 0.05	< 0.01	< 0.02	**0.1**
1-Jun-09	–	–	–	–	–	< 0.005	160	–	–	–	**5.9**
20-Oct-10	–	–	–	–	–	–	*61*	–	–	–	***1.5***
15-Feb-11	–	–	–	–	–	–	190	–	–	–	**6.3**
30-Jun-11	–	–	–	–	–	–	160	–	–	–	**5.9**
20-Dec-12	–	–	–	.41	–	–	200	–	–	–	**5.5**
6-Jun-13	–	–	–	–	–	< 0.005	150	–	–	–	**4.9**
28-Oct-14	–	–	0.01	0.4	–		173	–	–	–	**4.9**
6-May-15	–	–	–			< 0.005	180	–	–	–	**4.5**
1-Nov-16	–	–	–	0.35	< 0.005	< 0.0025	163	–	–	–	**3.0**
15-Jun-17	–	–	–	–	–	< 0.0025	175	–	–	–	**7.4**
9-Oct-18	–	–	–	–	–	< 0.0025	151	–	–	–	**2.7**
12-Jun-19	6.9	–	0.015	0.4	< 0.005	< 0.0025	200	0.015	–	0.035	**2**
3-Dec-20	24.8	**< 0.06**	**0.028**	0.6	< 0.005	< 0.0025	270	0.05	–	0.06	**51.5**

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-5S											
29-Mar-96	0.004	30	**1.2**	< 0.0004	–	7.9	**22**	–	–	–	–
20-Jun-96	0.005	28	**1.2**	< 0.0004	< 0.03	6.6	**22**	0.002	< 0.05	< 0.003	0.01
5-Sep-96	0.002	**37**	**1.4**	< 0.0004	–	7	20	–	–	–	–
12-Dec-96	< 0.001	29	**1.1**	< 0.0004	–	7.3	**24**	–	–	–	–
28-Mar-97	< 0.001	32	**1.2**	< 0.0004	–	6.6	18	–	–	–	–
3-Jun-97	0.01	31	**1.1**	< 0.0004	–	5.7	**21**	–	–	–	–
30-Sep-97	< 0.001	34	**1.1**	< 0.0004	< 0.03	9.3	20	< 0.001	< 0.05	< 0.003	0.04
9-Dec-97	0.002	32	**1.1**	< 0.0004	–	11	**23**	–	–	–	–
30-Mar-98	0.01	26	**0.96**	< 0.0004	–	10	**25**	–	–	–	–
22-Oct-98	< 0.001	34	**1.3**	< 0.0004	0.05	9.2	16	0.001	< 0.05	< 0.003	0.01
10-Jun-99	0.002	32	**1.1**	< 0.0004	< 0.03	11	19	0.001	< 0.05	< 0.003	0.01
7-Oct-99	0.006	**36**	**1.2**	–	–	8.3	12	–	–	–	–
11-May-00	0.002	**37**	**1.3**	–	–	8.2	19	–	–	–	–
19-Oct-00	0.003	34	**1.2**	< 0.0004	0.06	8	13	< 0.001	< 0.05	**0.028**	< 0.01
6-Jun-01	< 0.001	28	**0.78**	< 0.0004	< 0.03	11	**24**	< 0.001	< 0.05	< 0.003	0.02
12-Nov-01	0.002	30	**1.1**	0.0006	–	8.5	13	–	–	–	–
31-May-02	< 0.001	30	**1**	< 0.0004	–	8.3	18	–	–	–	–
21-Nov-02	< 0.001	30	**1**	< 0.0004	< 0.03	7.7	11	< 0.005	< 0.05	< 0.003	0.01
16-May-03	0.001	30	**0.89**	< 0.0004	0.06	8.1	17	< 0.005	< 0.05	< 0.003	0.02
18-Dec-03	< 0.001	35	**1.5**	< 0.0004	–	9.2	15	–	–	–	–
27-May-04	0.003	30	**0.91**	< 0.0004	–	7.8	16	–	–	–	–
14-Dec-04	0.001	30	**0.97**	< 0.0004	–	8.5	13	–	–	–	–
11-May-05	< 0.001	21	**0.7**	< 0.0004	< 0.03	6.9	13	< 0.005	< 0.05	< 0.003	< 0.01
17-Nov-05	< 0.001	26	**0.86**	< 0.0004	–	5.8	8	–	–	–	–
29-Dec-06	< 0.003	**38**	**1.3**	< 0.0004	< 0.03	7.9	18	< 0.005	< 0.05	< 0.003	0.27
27-Jun-07	< 0.003	32	**1.1**	< 0.0004	–	7.8	16	–	–	–	–
31-Oct-08	< 0.003	**36**	0.1	< 0.0004	< 0.03	8.2	16	< 0.005	< 0.05	< 0.003	> 0.01
1-Jun-09	< 0.003	**37**	**1.3**	–	–	8.1	17	–	–	–	–
20-Oct-10	–	*19*	*0.15*	–	–	*13*	***38***	–	–	–	–
15-Feb-11	–	**42**	**1.3**	–	–	7.6	14	–	–	–	–
30-Jun-11	–	**38**	**1.3**	–	–	8.2	16	–	–	–	–
20-Dec-12	–	**39**	**1.3**	–	–	7.1	12	–	–	–	–
6-Jun-13	< 0.02	**36**	**1.3**	–	–	6.3	14	–	–	–	–
28-Oct-14	–	**40**	**1.2**	–	–	7.2	13	–	–	–	–
6-May-15	–	**40**	**1.2**	–	–	<5.0	18	–	–	–	–
1-Nov-16	–	**37**	**1.5**	–	–	7.5	16	–	–	–	–
15-Jun-17	< 0.005	**40**	**3.7**	–	–	8.9	15	–	–	–	–
9-Oct-18	< 0.005	34	**11**	–	–	6.3	13	–	–	–	–
12-Jun-19	< 0.005	**50**	**2.1**	–	0.051	14.5	18	–	–	–	0.04
3-Dec-20	0.018	**76**	**3.0**	–	0.16	15.4	13		–	–	0.1

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	DISSOLVED METALS										
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-5S											
29-Mar-96	–	–	–	–	–	–	–	–	–	–	–
20-Jun-96	–	–	–	–	–	–	–	–	–	–	–
5-Sep-96	–	–	–	–	–	–	–	–	–	–	–
12-Dec-96	–	–	–	–	–	–	–	–	–	–	–
28-Mar-97	–	–	–	–	–	–	–	–	–	–	–
3-Jun-97	–	–	–	–	–	–	–	–	–	–	–
30-Sep-97	–	–	–	–	–	–	–	–	–	–	–
9-Dec-97	–	–	–	–	–	–	–	–	–	–	–
30-Mar-98	–	–	–	–	–	–	–	–	–	–	–
22-Oct-98	–	–	–	–	–	–	–	–	–	–	–
10-Jun-99	–	–	–	–	–	–	–	–	–	–	–
7-Oct-99	–	–	–	–	–	–	–	–	–	–	–
11-May-00	–	–	–	–	–	–	–	–	–	–	–
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
18-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	–	–	–	–	–	–	–	–	–	–	–
14-Dec-04	–	–	–	–	–	–	–	–	–	–	–
11-May-05	–	–	–	–	–	–	–	–	–	–	–
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
29-Dec-06	–	–	–	–	–	–	–	–	–	–	–
27-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Oct-08	–	–	–	–	–	–	–	–	–	–	–
1-Jun-09	–	–	–	–	–	–	–	–	–	–	–
20-Oct-10	–	–	–	–	–	–	–	–	–	–	–
15-Feb-11	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
20-Dec-12	–	–	–	–	–	–	–	–	–	–	–
6-Jun-13	–	–	–	–	–	–	–	–	–	–	–
28-Oct-14	–	–	–	–	–	–	–	–	–	–	–
6-May-15	–	–	–	–	–	–	–	–	–	–	–
1-Nov-16	–	–	–	–	–	–	–	–	–	–	–
15-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Oct-18	–	–	–	–	–	–	–	–	–	–	–
12-Jun-19	6.7	–	0.014	0.43	–	< 0.0025	200	0.016	–	0.0035	20.2
3-Dec-20	1.0	< 0.06	< 0.01	0.362	<0.005	< 0.0025	181	< 0.01	–	< 0.025	3.1

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	DISSOLVED METALS										
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-5S											
29-Mar-96	–	–	–	–	–	–	–	–	–	–	–
20-Jun-96	–	–	–	–	–	–	–	–	–	–	–
5-Sep-96	–	–	–	–	–	–	–	–	–	–	–
12-Dec-96	–	–	–	–	–	–	–	–	–	–	–
28-Mar-97	–	–	–	–	–	–	–	–	–	–	–
3-Jun-97	–	–	–	–	–	–	–	–	–	–	–
30-Sep-97	–	–	–	–	–	–	–	–	–	–	–
9-Dec-97	–	–	–	–	–	–	–	–	–	–	–
30-Mar-98	–	–	–	–	–	–	–	–	–	–	–
22-Oct-98	–	–	–	–	–	–	–	–	–	–	–
10-Jun-99	–	–	–	–	–	–	–	–	–	–	–
7-Oct-99	–	–	–	–	–	–	–	–	–	–	–
11-May-00	–	–	–	–	–	–	–	–	–	–	–
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
18-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	–	–	–	–	–	–	–	–	–	–	–
14-Dec-04	–	–	–	–	–	–	–	–	–	–	–
11-May-05	–	–	–	–	–	–	–	–	–	–	–
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
29-Dec-06	–	–	–	–	–	–	–	–	–	–	–
27-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Oct-08	–	–	–	–	–	–	–	–	–	–	–
1-Jun-09	–	–	–	–	–	–	–	–	–	–	–
20-Oct-10	–	–	–	–	–	–	–	–	–	–	–
15-Feb-11	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
20-Dec-12	–	–	–	–	–	–	–	–	–	–	–
6-Jun-13	–	–	–	–	–	–	–	–	–	–	–
28-Oct-14	–	–	–	–	–	–	–	–	–	–	–
6-May-15	–	–	–	–	–	–	–	–	–	–	–
1-Nov-16	–	–	–	–	–	–	–	–	–	–	–
15-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Oct-18	–	–	–	–	–	–	–	–	–	–	–
12-Jun-19	< 0.005	50.2	2.1	0.051	–	14.5	18.7	–	–	–	0.045
3-Dec-20	< 0.005	40.1	1.3	< 0.002	< 0.04	6.4	11.7	–	< 0.01	–	< 0.02

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA
ORGANIC PARAMETERS (DETECTED)

GROUND WATER		Dichlorodiflouro-methane (ug/l)	Chloromethane (ug/L)	TOTAL COMPOUNDS
6NYCRR Part 703 GROUNDWATER STANDARD	ANALYSIS METHOD	5	5	
MW-5S	Method			
29-Mar-96	–	–	–	–
20-Jun-96	(EPA 601/602)	6	< 1	6
5-Sep-96	–	–	–	–
12-Dec-96	–	–	–	–
28-Mar-97	–	–	–	–
3-Jun-97	–	–	–	–
30-Sep-97	(EPA 601/602)	< 1	< 1	0
9-Dec-97	–	–	–	–
30-Mar-98	–	–	–	–
22-Oct-98	(EPA 601/602)	< 1	< 1	0
10-Jun-99	(EPA 601/602)	< 1	< 1	0
7-Oct-99	–	–	–	–
11-May-00	–	–	–	–
19-Oct-00	(EPA 601/602)	< 1	< 1	0
6-Jun-01	(EPA 601/602)	< 1	2	2
12-Nov-01	–	–	–	–
31-May-02	–	–	–	–
21-Nov-02	(EPA 601/602)	< 1	< 1	0
16-May-03	(EPA 601/602)	< 1	< 1	0
18-Dec-03	–	–	–	–
27-May-04	–	–	–	–
14-Dec-04	–	–	–	–
11-May-05	(EPA 601/602)	< 1	< 1	0
17-Nov-05	–	–	–	–
29-Dec-06	(EPA 601/602)	< 1	< 1	0
27-Jun-07	–	–	–	–
31-Oct-08	(EPA 601/602)	<1	< 1	0
1-Jun-09	–	–	–	–
10-Oct-10	–	–	–	–
15-Feb-11	–	–	–	–
30-Jun-11	–	–	–	–
20-Dec-12	–	–	–	–
6-Jun-13	–	–	–	–
28-Oct-14	–	–	–	–
6-May-15	–	–	–	–
1-Nov-16	–	–	–	–
15-Jun-17	–	–	–	–
9-Oct-18	–	–	–	–
12-Jun-19	–	–	–	–
3-Dec-20	–	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	FIELD PARAMETERS				INORGANIC PARAMETERS					
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l $CaCO_3$)	HARD. (mg/l $CaCO_3$)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	–	–	6.5-8.5	–	15	5	–	–	500	250
MW-5D										
29-Mar-96	48	-50	7	2300	–	**6**	150	1100	**2000**	97
20-Jun-96	50	125	7.2	2000	**110**	**18**	140	1100	**2100**	94
5-Sep-96	57	-75	7.4	200	–	**8**	160	1200	**2100**	93
12-Dec-96	46	-75	6.9	1800	–	**17**	130	970	**2100**	98
28-Mar-97	46	25	7	1600	–	**22**	150	1100	**2100**	95
3-Jun-97	52	-35	7.1	2200	–	**15**	140	1100	**2100**	96
30-Sep-97	52	-30	7.2	2400	**25**	**6**	130	1200	**2200**	97
9-Dec-97	46	80	7.2	2600	–	**13**	170	1200	**2100**	93
30-Mar-98	54	-45	7.4	1500	–	4	150	1100	**2100**	92
22-Oct-98	48	20	7.1	1600	7	3	150	430	**2100**	94
10-Jun-99	48	-30	7.1	2200	**20**	4	140	1100	**2000**	96
7-Oct-99	48	-40	7	2100	–	**8**	160	1300	**2100**	93
11-May-00	54	-20	**6.2**	1600	–	**16**	150	1000	**2000**	96
19-Oct-00	55	-35	7.6	1501	**50**	**17**	150	1300	**1800**	95
6-Jun-01	63	-80	7.7	1776	**20**	**9**	140	970	**2100**	92
12-Nov-01	51	-34	7.6	1590	–	**39**	150	–	**2000**	94
31-May-02	58	-44	7.5	1854	–	**14**	150	890	**2000**	98
21-Nov-02	50	-15	6.7	1660	11	**14**	140	990	**1900**	95
16-May-03	53	-18	7.2	1642	9	**17**	140	1100	**2100**	96
18-Dec-03	43	-40	7.6	722	–	**16**	150	580	**970**	43
27-May-04	51	-18	6.8	1991	–	**14**	160	970	**1850**	86
14-Dec-04	47	-17	7.8	1642	–	**22**	280	970	**1610**	138
11-May-05	53	-22	7.1	2120	**50**	**12**	130	890	**1750**	90
17-Nov-05	48	-40	7.1	2640	–	**15**	210	940	**1700**	78
29-Dec-06	41	31	7.1	1930	**20**	5	140	770	**1690**	100
27-Jun-07	54	-55	6.9	995	–	**25**	110	1100	**1920**	104
31-Oct-08	50	-26	7.5	1637	11	**21**	140	1200	**1910**	108
1-Jun-09	52	193	7.1	1310	–	**29**	120	1200	**2000**	105
20-Oct-10	50	-14	7.6	1879	–	**15**	220	1500	**2400**	160
15-Feb-11	48	-60	7.5	1576	–	**26.3**	94	1300	**2000**	95
30-Jun-11	52	-51	7.4	2296	–	**12.9**	130	1300	**1900**	102
20-Dec-12	56	87	6.5	2271	–	**25**	130	1500	**2200**	100
6-Jun-13	59	-31	7.4	2340	–	**15.6**	136	1004	**2100**	90
28-Oct-14	57	-74	7.4	2120	–	**15**	123	1200	**1970**	92
6-May-15	57	-50	7.3	2060	–	**32**	130	1400	**1890**	99
2-Nov-16	55	-72	7.2	1929	5	**11.4**	137	1120	**1730**	94
15-Jun-17	58	-34	7.3	1758	–	**7.4**	122	1200	**1920**	84
9-Oct-18	61	-39	7.1	2230	–	**16**	142	1100	**1880**	111
19-Jun-19	59	-133	7.2	2250	–	**124**	135	1200	**1710**	113
3-Dec-20	48	-141	8.7	2110	–	**60**	140		**1980**	86

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	–	–	–	–	0.005	0.1
MW-5D										
29-Mar-96	**920**	–	< 0.2	**3**	–	–	< 20	< 1	< 0.005	–
20-Jun-96	**1300**	**3.5**	0.2	**3.4**	3.3	< 4	< 20	< 1	< 0.005	< 0.01
5-Sep-96	**1200**	–	< 0.2	**2.8**	–	–	< 20	< 1	< 0.005	–
12-Dec-96	**1300**	–	0.4	**2.2**	–	–	< 20	< 1	< 0.005	–
28-Mar-97	**1100**	–	< 0.2	**3.2**	–	–	< 20	< 1	< 0.005	–
3-Jun-97	**1200**	–	< 0.2	**3**	–	–	< 20	2	< 0.005	–
30-Sep-97	**1100**	**2.6**	< 0.2	**2.9**	2.9	< 4	< 20	< 1	< 0.005	< 0.01
9-Dec-97	**1200**	–	0.2	2.2	–	–	< 20	< 1	< 0.005	–
30-Mar-98	**1100**	–	< 0.2	**2.6**	–	–	< 20	< 1	< 0.005	–
22-Oct-98	**1100**	**3.4**	< 0.2	**3.5**	3.2	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	**1100**	**3**	0.5	**3.1**	2.9	< 4	< 20	< 1	< 0.005	< 0.01
7-Oct-99	**1100**	–	0.5	**2.1**	–	–	< 20	< 1	< 0.005	–
11-May-00	**1000**	–	< 0.2	**2.7**	–	–	< 20	< 1	< 0.005	–
19-Oct-00	**1100**	**3.4**	0.3	**2.9**	2.5	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	**1300**	**3**	< 0.2	**3.2**	2.6	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	**1500**	–	< 0.2	**2.7**	–	–	< 20	< 1	< 0.005	–
31-May-02	**550**	–	0.3	**3**	–	–	< 20	< 3	< 0.005	–
21-Nov-02	**450**	**2.8**	0.9	1.4	1.2	< 4	23	< 3	< 0.005	< 0.01
16-May-03	**880**	**2.9**	1.2	1.6	1.7	4	< 20	< 3	< 0.005	< 0.01
18-Dec-03	180	–	< 0.2	1.1	–	–	20	< 3	< 0.005	–
27-May-04	**1160**	–	0.3	**2.1**	–	–	< 20	< 3	< 0.005	–
14-Dec-04	**1890**	–	1.5	**2.5**	–	–	27	< 3	< 0.005	–
11-May-05	**908**	**2.8**	1.2	**2.5**	10	8	< 20	< 3	< 0.005	< 0.01
17-Nov-05	**1330**	–	0.3	**3.1**	–	–	< 20	< 3	**0.006**	–
29-Dec-06	**855**	**2.3**	1.1	**2.9**	2.1	< 4	< 20	< 3	< 0.005	< 0.01
27-Jun-07	15	–	2	1.6	–	–	< 20	< 3	**0.007**	< 0.01
31-Oct-08	**1060**	**3.6**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
1-Jun-09	**1110**	–	0.8	**2.6**	–	–	< 20	< 3	< 0.005	–
20-Oct-10	**1040**	–	–	**2.4**	–	–	< 20	< 3	–	–
15-Feb-11	**1530**	–	.6	1	–	–	–	–	–	–
30-Jun-11	**1090**	–	2.1	1.4	–	–	–	–	–	–
20-Dec-12	**873**	–	0.8	**2.6**	2	–	–	–	–	–
6-Jun-13	**1035**	–	0.21	**3.3**			< 5.0	< 1.0	< 0.01	–
28-Oct-14	**1040**	**3.5**	2.0	1.0	1.1	2.9	< 10	1.9	< 0.005	< 0.01
6-May-15	**1220**	–	< 0.1	**3.5**	–	–	< 10	–	< 0.005	–
2-Nov-16	**1150**	**3.8**	0.07	**3.5**	–	–	< 10	1.2	< 0.005	–
15-Jun-17	**971**	–	0.1	**3.2**	–	–	21	< 1.0	< 0.005	–
9-Oct-18	**1280**	–	0.22	**2.8**	–	–	18	< 1.0	< 0.005	–
19-Jun-19	**1370**	**3.7**	0.05	**3.5**	–	–	26	4.8	< 0.01	–
3-Dec-20	**1040**	3.4	0.08	**3.5**	4.3	2.7	19	2	< 0.005	< 0.01

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-5D											
29-Mar-96	–	–	0.009	< 0.3	–	< 0.005	160	–	–	–	**2.7**
20-Jun-96	0.27	< 0.003	0.012	< 0.3	< 0.005	< 0.005	410	< 0.05	< 0.01	< 0.02	**3.5**
5-Sep-96	–	–	0.019	< 0.3	–	< 0.005	460	–	–	–	**4.2**
12-Dec-96	–	–	0.008	< 0.3	–	< 0.005	360	–	–	–	**2.1**
28-Mar-97	–	–	0.02	< 0.3	–	< 0.005	390	–	–	–	**3.9**
3-Jun-97	–	–	0.019	< 0.3	–	< 0.005	420	–	–	–	**4.8**
30-Sep-97	< 0.05	< 0.003	0.009	< 0.3	< 0.005	< 0.005	430	< 0.05	< 0.01	< 0.02	**2.9**
9-Dec-97	–	–	0.009	< 0.3	–	< 0.005	430	–	–	–	**2.5**
30-Mar-98	–	–	0.006	< 0.3	–	0.005	400	–	–	–	**2.5**
22-Oct-98	0.14	0.004	0.008	< 0.3	< 0.005	< 0.005	140	< 0.05	< 0.01	< 0.02	**2.8**
10-Jun-99	0.14	< 0.003	0.011	< 0.3	< 0.005	< 0.005	420	< 0.05	< 0.01	0.03	**2.8**
7-Oct-99	–	–	–	–	–	< 0.005	480	–	–	–	**2.9**
11-May-00	–	–	–	–	–	< 0.005	370	–	–	–	**2.7**
19-Oct-00	0.27	< 0.003	0.009	< 0.3	< 0.005	< 0.005	480	< 0.05	< 0.01	0.02	**2.6**
6-Jun-01	< 0.05	< 0.003	**0.011**	< 0.3	< 0.005	< 0.005	360	< 0.05	< 0.01	< 0.02	**2.3**
12-Nov-01	–	–	< 0.010	< 0.3	–	< 0.005	400	–	–	–	**5**
31-May-02	–	–	0.047	< 0.3	–	< 0.005	330	–	–	–	**5**
21-Nov-02	0.3	< 0.003	< 0.010	< 0.03	< 0.005	0.007	370	< 0.05	< 0.01	0.03	**2.2**
16-May-03	0.32	0.012	< 0.010	< 0.3	< 0.005	0.007	390	< 0.05	< 0.01	0.03	**2**
18-Dec-03	–	–	< 0.010	< 0.3	–	< 0.005	210	–	–	–	**1.4**
27-May-04	–	–	< 0.010	< 0.3	–	< 0.005	360	–	–	–	**2.6**
14-Dec-04	–	–	< 0.010	< 0.3	–	< 0.005	360	–	–	–	**2.5**
11-May-05	0.18	< 0.003	0.024	< 0.3	< 0.005	< 0.005	330	< 0.05	< 0.01	0.05	**2.3**
17-Nov-05	–	–	0.025	< 0.3	–	< 0.005	350	–	–	–	**2.8**
29-Dec-06	0.11	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	280	< 0.05	< 0.01	< 0.02	**1.6**
27-Jun-07	–	–	< 0.010	< 0.3	–	< 0.005	410	–	–	–	**3.4**
31-Oct-08	< 0.05	< 0.003	0.013	0.3	< 0.005	< 0.005	460	< 0.05	< 0.01	< 0.02	**4.5**
1-Jun-09	–	–	–	–	–	< 0.005	460	–	–	–	**2.3**
20-Oct-10	–	–	–	–	–	< 0.005	550	–	–	–	**3.2**
15-Feb-11	–	–	–	–	–	–	490	–	–	–	**4.3**
30-Jun-11	–	–	–	–	–	–	480	–	–	–	**4.8**
20-Dec-12	–	–	–	–	–	–	420	–	–	–	**1.9**
6-Jun-13	–	–	–	–	–	< 0.005	402	–	–	–	**3.1**
28-Oct-14	–	–	< 0.010	< 0.010	–	–	446	–	–	–	**2.0**
6-May-15	–	–	–	–	–	< 0.005	460	–	–	–	**3.0**
2-Nov-16	–	–	–	–	–	< 0.0025	465	–	–	–	**2.0**
15-Jun-17	–	–	–	–	–	< 0.0025	484	–	–	–	**0.6**
9-Oct-18	–	–	–	–	–	< 0.0025	416	–	–	–	**2.7**
19-Jun-19	0.2	–	0.04	–	< 0.005	< 0.0025	442	–	–	–	**10.6**
3-Dec-20	< 0.2	< 0.06	0.032	< 0.2	< 0.005	< 0.0025	415	< 0.010	–	< 0.025	**7.2**

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-5D											
29-Mar-96	< 0.001	19	0.07	< 0.0008	–	57	**52**	–	–	–	–
20-Jun-96	0.003	18	0.07	< 0.0004	< 0.03	41	**50**	< 0.001	< 0.05	< 0.003	0.04
5-Sep-96	0.009	23	0.08	< 0.0004	–	35	**57**	–	–	–	–
12-Dec-96	< 0.001	18	0.08	< 0.0004	–	45	**59**	–	–	–	–
28-Mar-97	0.002	19	0.07	< 0.0004	–	38	**57**	–	–	–	–
3-Jun-97	< 0.001	21	0.08	< 0.0004	–	34	**65**	–	–	–	–
30-Sep-97	< 0.001	20	0.07	< 0.0004	< 0.03	63	**75**	< 0.001	< 0.05	< 0.003	< 0.01
9-Dec-97	< 0.001	19	0.06	< 0.0004	–	66	**78**	–	–	–	–
30-Mar-98	< 0.001	15	0.05	< 0.0004	–	55	**67**	–	–	–	–
22-Oct-98	< 0.001	19	0.08	< 0.0004	0.07	50	**64**	< 0.001	< 0.05	< 0.003	0.04
10-Jun-99	< 0.001	18	0.08	< 0.0004	0.03	58	**64**	< 0.001	< 0.05	0.007	< 0.01
7-Oct-99	0.006	20	0.05	–	–	47	**58**	–	–	–	–
11-May-00	< 0.001	18	0.05	–	–	40	**54**	–	–	–	–
19-Oct-00	0.002	19	0.06	< 0.0004	0.07	46	**55**	< 0.001	< 0.05	**0.056**	< 0.01
6-Jun-01	< 0.001	17	0.06	< 0.0004	< 0.03	55	**63**	< 0.001	< 0.05	< 0.003	< 0.01
12-Nov-01	< 0.001	19	0.07	–	–	54	**68**	–	–	–	–
31-May-02	0.002	15	0.05	< 0.0004	–	46	**54**	–	–	–	–
21-Nov-02	< 0.001	16	0.05	< 0.0004	< 0.03	48	**51**	< 0.005	< 0.05	< 0.003	0.02
16-May-03	< 0.001	16	0.04	< 0.0004	0.07	42	**53**	< 0.005	< 0.05	< 0.003	0.04
18-Dec-03	< 0.001	16	0.04	< 0.0004	–	32	**36**	–	–	–	–
27-May-04	< 0.001	17	0.04	< 0.0004	–	42	**48**	–	–	–	–
14-Dec-04	0.002	17	0.03	< 0.0004	–	46	**58**	–	–	–	–
11-May-05	< 0.001	17	0.03	< 0.0004	< 0.03	48	**58**	< 0.005	< 0.05	< 0.003	< 0.01
17-Nov-05	< 0.001	15	0.05	< 0.0004	–	39	**43**	–	–	–	–
29-Dec-06	0.013	16	0.04	< 0.0004	< 0.03	35	**46**	< 0.005	< 0.05	**0.012**	0.23
27-Jun-07	< 0.003	18	0.03	< 0.0004	–	58	**69**	–	–	–	–
31-Oct-08	< 0.003	22	0.03	< 0.0004	< 0.03	67	**75**	< 0.005	< 0.05	< 0.003	> 0.01
1-Jun-09	< 0.003	20	0.04	–	–	44	**75**	–	–	–	–
20-Oct-10	–	22	0.09	–	–	46	**120**	–	–	–	–
15-Feb-11	–	22	0.04	–	–	51	**77**	–	–	–	–
30-Jun-11	–	22	0.03	–	–	47	**82**	–	–	–	–
20-Dec-12	–	22	0.04	–	–	41	**87**	–	–	–	–
6-Jun-13	< 0.02	19	0.06	–	–	51	**58**	–	–	–	–
28-Oct-14	–	20	0.05	–	–	58	**67**	–	–	–	–
6-May-15	–	20	0.06	–	–	62	**69**	–	–	–	–
2-Nov-16	< 0.005	21	0.09	–	–	57	**67**	–	–	–	–
15-Jun-17	< 0.005	22	0.07	–	–	60	**69**	–	–	–	–
9-Oct-18	< 0.005	19	0.06	–	–	55	**65**	–	–	–	–
19-Jun-19	< 0.005	20	0.11	–	–	60	**70**	–	–	–	0.02
3-Dec-20	< 0.005	20	0.11	–	< 0.04	58	**67**	< 0.01	< 0.01	< 0.01	< 0.02

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-5D											
29-Mar-96	–	–	–	–	–	–	–	–	–	–	–
20-Jun-96	–	–	–	–	–	–	–	–	–	–	–
5-Sep-96	–	–	–	–	–	–	–	–	–	–	–
12-Dec-96	–	–	–	–	–	–	–	–	–	–	–
28-Mar-97	–	–	–	–	–	–	–	–	–	–	–
3-Jun-97	–	–	–	–	–	–	–	–	–	–	–
30-Sep-97	–	–	–	–	–	–	–	–	–	–	–
9-Dec-97	–	–	–	–	–	–	–	–	–	–	–
30-Mar-98	–	–	–	–	–	–	–	–	–	–	–
22-Oct-98	–	–	–	–	–	–	–	–	–	–	–
10-Jun-99	–	–	–	–	–	–	–	–	–	–	–
7-Oct-99	–	–	–	–	–	–	–	–	–	–	–
11-May-00	–	–	–	–	–	–	–	–	–	–	–
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
18-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	–	–	–	–	–	–	–	–	–	–	–
14-Dec-04	–	–	–	–	–	–	–	–	–	–	–
11-May-05	–	–	–	–	–	–	–	–	–	–	–
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
29-Dec-06	–	–	–	–	–	–	–	–	–	–	–
27-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Oct-08	–	–	–	–	–	–	–	–	–	–	–
1-Jun-09	–	–	–	–	–	–	–	–	–	–	–
20-Oct-10	–	–	–	–	–	–	–	–	–	–	–
15-Feb-11	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
20-Dec-12	–	–	–	–	–	–	–	–	–	–	–
6-Jun-13	–	–	–	–	–	–	–	–	–	–	–
28-Oct-14	–	–	–	–	–	–	–	–	–	–	–
6-May-15	–	–	–	–	–	–	–	–	–	–	–
2-Nov-16	–	–	–	–	–	–	–	–	–	–	–
15-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Oct-18	–	–	–	–	–	–	–	–	–	–	–
19-Jun-19	–	–	–	< 0.2	–	< 0.0025	418	–	–	–	92.2
3-Dec-20	< 0.2	< 0.06	0.012	< 0.2	<0.005	< 0.0025	429	< 0.01	–	< 0.025	2.6

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-5D											
29-Mar-96	–	–	–	–	–	–	–	–	–	–	–
20-Jun-96	–	–	–	–	–	–	–	–	–	–	–
5-Sep-96	–	–	–	–	–	–	–	–	–	–	–
12-Dec-96	–	–	–	–	–	–	–	–	–	–	–
28-Mar-97	–	–	–	–	–	–	–	–	–	–	–
3-Jun-97	–	–	–	–	–	–	–	–	–	–	–
30-Sep-97	–	–	–	–	–	–	–	–	–	–	–
9-Dec-97	–	–	–	–	–	–	–	–	–	–	–
30-Mar-98	–	–	–	–	–	–	–	–	–	–	–
22-Oct-98	–	–	–	–	–	–	–	–	–	–	–
10-Jun-99	–	–	–	–	–	–	–	–	–	–	–
7-Oct-99	–	–	–	–	–	–	–	–	–	–	–
11-May-00	–	–	–	–	–	–	–	–	–	–	–
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
18-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	–	–	–	–	–	–	–	–	–	–	–
14-Dec-04	–	–	–	–	–	–	–	–	–	–	–
11-May-05	–	–	–	–	–	–	–	–	–	–	–
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
29-Dec-06	–	–	–	–	–	–	–	–	–	–	–
27-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Oct-08	–	–	–	–	–	–	–	–	–	–	–
1-Jun-09	–	–	–	–	–	–	–	–	–	–	–
20-Oct-10	–	–	–	–	–	–	–	–	–	–	–
15-Feb-11	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
20-Dec-12	–	–	–	–	–	–	–	–	–	–	–
6-Jun-13	–	–	–	–	–	–	–	–	–	–	–
28-Oct-14	–	–	–	–	–	–	–	–	–	–	–
6-May-15	–	–	–	–	–	–	–	–	–	–	–
2-Nov-16	–	–	–	–	–	–	–	–	–	–	–
15-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Oct-18	–	–	–	–	–	–	–	–	–	–	–
19-Jun-19	< 0.005	19.7	0.063	–	–	53.2	63.3	–	–	–	–
3-Dec-20	< 0.005	19.9	0.096	< 0.2	< 0.04	57.9	66	< 0.01	< 0.01	< 0.01	< 0.02

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

ORGANIC PARAMETERS (DETECTED)

GROUND WATER		TOTAL COMPOUNDS
6NYCRR Part 703 GROUNDWATER STANDARD	ANALYSIS METHOD	
MW-5D	Method	
29-Mar-96	–	–
20-Jun-96	(EPA 601/602)	0
5-Sep-96	–	–
12-Dec-96	–	–
28-Mar-97	–	–
3-Jun-97	–	–
30-Sep-97	(EPA 601/602)	0
9-Dec-97	–	–
30-Mar-98	–	–
22-Oct-98	(EPA 601/602)	0
10-Jun-99	(EPA 601/602)	0
7-Oct-99	–	–
11-May-00	–	–
19-Oct-00	(EPA 601/602)	0
6-Jun-01	(EPA 601/602)	0
12-Nov-01	–	–
31-May-02	–	–
21-Nov-02	(EPA 601/602)	0
16-May-03	(EPA 601/602)	0
18-Dec-03	–	–
27-May-04	–	–
14-Dec-04	–	–
11-May-05	(EPA 601/602)	0
17-Nov-05	–	–
29-Dec-06	(EPA 601/602)	0
27-Jun-07	–	–
31-Oct-08	(EPA 601/602)	0
1-Jun-09	–	0
10-Oct-10	–	0
15-Feb-11	–	0
30-Jun-11	–	0
20-Dec-12	–	0
6-Jun-13	–	0
28-Oct-14	–	0
6-May-15	–	0
2-Nov-16	–	0
15-Jun-17	–	0
9-Oct-18	–	0
19-Jun-19	–	0
3-Dec-20	–	0

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	FIELD PARAMETERS				INORGANIC PARAMETERS					
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l $CaCO_3$)	HARD. (mg/l $CaCO_3$)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	–	–	6.5-8.5	–	15	5	–	–	500	250
MW-6S										
29-Mar-96	48	80	7.3	700	–	**12**	330	320	380	10
20-Jun-96	55	235	7.4	620	**21**	**36**	210	320	410	10
5-Sep-96	59	1115	7.6	580	–	**19**	320	390	490	8
12-Dec-96	46	90	7.4	500	–	**29**	300	290	350	8
28-Mar-97	52	255	7.6	490	–	**48**	330	340	410	10
3-Jun-97	50	245	7.3	640	–	**58**	320	360	380	11
29-Sep-97	55	80	7.5	660	**16**	**80**	270	280	350	7
9-Dec-97	46	150	7.6	680	–	**21**	390	320	420	6
30-Mar-98	54	75	7.7	440	–	**20**	300	260	380	9
22-Oct-98	54	200	7.2	660	8	**38**	310	320	420	7
10-Jun-99	54	240	7.4	570	7	**65**	310	310	320	8
7-Oct-99	DRY	–	–	–	–	–	–	–	–	–
11-May-00	50	95	**9**	760	–	**27**	310	280	380	8
19-Oct-00	54	75	7.9	465	**60**	**41**	330	350	360	6
6-Jun-01	57	-92	8.1	460	**25**	**14**	290	300	**660**	8
12-Nov-01	49	-74	8.1	510	–	**33**	300	–	**600**	4
31-May-02	57	-60	7.7	507	–	**25**	320	300	320	11
21-Nov-02	53	-52	7.4	478	8	**50**	330	270	320	7
16-May-03	55	-58	7.9	494	6	**10**	320	380	370	11
18-Dec-03	46	-84	**8.5**	406	–	3	330	330	440	7
27-May-04	53	-58	7.5	645	–	1	310	310	367	11
14-Dec-04	48	-30	7.9	584	–	3	420	310	472	15
11-May-05	50	-35	7.5	635	10	**8**	320	270	322	12
17-Nov-05	51	-40	7.3	626	–	2	260	320	492	9
29-Dec-06	42	166	7.4	628	7	**12**	300	300	480	11
27-Jun-07	53	-150	**8.7**	373	–	**20**	310	350	388	11
31-Oct-08	55	-24	7.4	554	8	**9**	300	390	400	7
1-Jun-09	48	161	7.7	339	–	**10**	300	370	380	7
20-Oct-10	57	107	7.85	612	–	**6**	310	370	400	27
30-Jun-11	52	104	7.7	625	–	**41.5**	320	390	480	4
20-Dec-12	DRY	–	–	–	–	–	–	–	–	–
4-Jun-13	53	225	7.8	661	–	4	312	145	428	5.5
28-Oct-14	DRY	–	–	–	–	–	–	–	–	–
6-May-15	52	126	7.7	636	–	**25**	313	1100	422	7
2-Nov-16	DRY	–	–	–	–	–	–	–	–	–
15-Jun-17	64	47	7.6	604	–	**73**	291	440	401	8
9-Oct-18	60	-12	7.5	663	–	77	321	400	366	12
19-Jun-19	59	-23	7.4	679	–	**19**	344	350	336	12
3-Dec-20	50	-159	7.5	638	10	**45**	438	---	374	8

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	–	–	–	–	0.005	0.1
MW-6S										
29-Mar-96	23	–	**12**	< 0.5	–	–	< 20	4	< 0.005	–
20-Jun-96	21	< 0.1	9.8	< 0.5	< 0.5	< 4	< 20	2	< 0.005	< 0.01
5-Sep-96	36	–	4.8	< 0.5	–	–	< 20	< 1	< 0.005	–
12-Dec-96	39	–	3.3	< 0.5	–	–	< 20	< 1	< 0.005	–
28-Mar-97	31	–	9	< 0.5	–	–	< 20	4	< 0.005	–
3-Jun-97	27	–	**11**	< 0.5	–	–	< 20	12	< 0.005	–
30-Sep-97	49	< 0.1	0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
9-Dec-97	34	–	3.9	< 0.5	–	–	< 20	< 1	< 0.005	–
30-Mar-98	23	–	7.4	< 0.5	–	–	< 20	< 1	< 0.005	–
22-Oct-98	38	< 0.1	2.7	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	22	< 0.1	7.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
7-Oct-99	DRY	–	–	–	–	–	–	–	–	–
11-May-00	27	–	6.2	< 0.5	–	–	< 20	< 1	< 0.005	–
19-Oct-00	55	< 0.1	0.9	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	32	< 0.5	6.3	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	54	–	< 0.2	1.4	–	–	< 20	< 1	< 0.005	–
31-May-02	31	–	6.4	< 0.5	–	–	< 20	< 3	< 0.005	–
21-Nov-02	55	< 0.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
16-May-03	29	< 0.5	6.5	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
18-Dec-03	54	–	2.9	< 0.5	–	–	20	< 3	< 0.005	–
27-May-04	25	–	7.9	< 0.5	–	–	< 20	< 3	< 0.005	–
14-Dec-04	50	–	4.8	< 0.5	–	–	< 20	< 3	< 0.005	–
11-May-05	24	< 0.5	**15**	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
17-Nov-05	48	–	0.3	< 0.5	–	–	< 20	< 3	< 0.005	–
29-Dec-06	25	< 0.5	6.3	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
27-Jun-07	36	–	6.5	< 0.5	–	–	< 20	< 3	< 0.005	–
31-Oct-08	50	< 0.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
1-Jun-09	35	–	4.1	< 0.5	–	–	< 20	< 3	< 0.005	–
20-Oct-10	48	–	0.25	–	–	–	–	–	–	–
30-Jun-11	30	–	3.0	–	–	–	–	–	–	–
20-Dec-12	DRY	–	–	–	–	–	–	–	–	–
4-Jun-13	40	–	1.7	< 0.1	–	–	< 5.0	< 3	<0.01	–
28-Oct-14	DRY	–	–	–	–	–	–	–	–	–
6-May-15	65	–	2.4	0.2	–	–	< 10	1.1	< 0.005	–
2-Nov-16	DRY	–	–	–	–	–	–	–	–	–
15-Jun-17	40	–	3.2	< 0.1	–	–	55	< 1	<0.01	–
9-Oct-18	78	–	0.07	< 0.1	–	–	< 10	< 1	6.9	–
19-Jun-19	47	–	5.8	< 0.1	–	–	< 10	1.3	<0.01	–
3-Dec-20	55	< 0.05	< 0.05	< 0.1	2.1	< 4	61	1.1	< 0.005	< 0.01

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-6S											
29-Mar-96	–	–	0.002	< 0.3	–	< 0.005	57	–	–	–	0.23
20-Jun-96	0.08	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	57	< 0.05	< 0.01	< 0.02	0.08
5-Sep-96	–	–	< 0.001	< 0.3	–	< 0.005	62	–	–	–	**0.67**
12-Dec-96	–	–	< 0.001	< 0.3	–	< 0.005	45	–	–	–	**0.43**
28-Mar-97	–	–	< 0.001	< 0.3	–	< 0.005	58	–	–	–	**0.23**
3-Jun-97	–	–	< 0.001	< 0.3	–	< 0.005	62	–	–	–	**0.94**
30-Sep-97	1	< 0.003	0.001	< 0.3	< 0.005	< 0.005	45	< 0.05	< 0.01	< 0.02	**1.7**
9-Dec-97	–	–	0.001	< 0.3	–	< 0.005	53	–	–	–	0.11
30-Mar-98	–	–	0.002	< 0.3	–	< 0.005	55	–	–	–	**0.89**
22-Oct-98	0.5	< 0.003	0.002	< 0.3	< 0.005	< 0.005	47	< 0.05	< 0.01	< 0.02	**0.73**
10-Jun-99	0.44	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	56	< 0.05	< 0.01	0.03	**0.67**
7-Oct-99	DRY	–	–	–	–	–	–	–	–	–	–
11-May-00	–	–	–	–	–	< 0.005	48	–	–	–	**0.38**
19-Oct-00	0.44	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	57	< 0.05	< 0.01	< 0.02	**0.78**
6-Jun-01	0.2	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	51	< 0.05	< 0.01	< 0.02	**0.4**
12-Nov-01	–	–	< 0.010	< 0.3	–	< 0.005	57	–	–	–	**7.3**
31-May-02	–	–	< 0.010	< 0.3	–	< 0.005	49	–	–	–	**0.66**
21-Nov-02	0.23	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	41	< 0.05	< 0.01	0.02	**0.39**
16-May-03	0.22	< 0.003	< 0.010	< 0.3	< 0.005	0.007	69	< 0.05	< 0.01	< 0.02	0.15
18-Dec-03	–	–	< 0.010	< 0.3	–	< 0.005	50	–	–	–	**0.35**
27-May-04	–	–	< 0.010	< 0.3	–	< 0.005	55	–	–	–	0.13
14-Dec-04	–	–	< 0.010	< 0.3	–	< 0.005	51	–	–	–	0.15
11-May-05	0.15	< 0.003	< 0.010	< 0.3	< 0.005	0.007	44	< 0.05	< 0.01	0.03	0.27
17-Nov-05	–	–	< 0.010	< 0.3	–	< 0.005	48	–	–	–	0.18
29-Dec-06	0.17	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	51	< 0.05	< 0.01	< 0.02	**0.66**
27-Jun-07	–	–	< 0.010	< 0.3	–	< 0.005	58	–	–	–	**0.53**
31-Oct-08	0.09	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	52	< 0.05	< 0.01	< 0.02	**0.56**
1-Jun-09	–	–	–	–	–	< 0.005	64	–	–	–	0.08
20-Oct-10	–	–	–	–	–	–	55	–	–	–	0.12
30-Jun-11	–	–	–	–	–	–	63	–	–	–	0.3
20-Dec-12	DRY	–	–	–	–	–	–	–	–	–	–
4-Jun-13	–	–	–	–	–	< 0.005	58	–	–	–	0.05
28-Oct-14	DRY	–	–	–	–	–	–	–	–	–	–
6-May-15	–	–	–	–	–	< 0.005	184	–	–	–	**16.6**
2-Nov-16	DRY	–	–	–	–	–	–	–	–	–	–
15-Jun-17	–	–	–	–	–	< 0.0025	82	–	–	–	**3.5**
9-Oct-18	–	–	–	–	–	< 0.0025	71	–	–	–	**7.5**
19-Jun-19	2.4	–	–	–	–	< 0.0025	77	–	–	–	**5.1**
3-Dec-20	< 0.2	< 0.06	< 0.010	< 0.2	< 0.005	< 0.0025	54	< 0.010	–	< 0.025	**0.5**

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-6S											
29-Mar-96	0.004	43	< 0.02	< 0.0004	–	0.9	2.7	–	–	–	–
20-Jun-96	0.002	44	0.02	< 0.0004	< 0.03	0.8	2.1	0.001	< 0.05	< 0.003	0.01
5-Sep-96	0.003	56	0.04	< 0.0004	–	1.2	4.2	–	–	–	–
12-Dec-96	0.001	42	< 0.02	< 0.0004	–	1.3	4.5	–	–	–	–
28-Mar-97	0.002	47	< 0.02	< 0.0004	–	1	4.7	–	–	–	–
3-Jun-97	0.01	50	0.07	< 0.0004	–	1.1	4.1	–	–	–	–
30-Sep-97	0.003	42	0.04	< 0.0004	< 0.03	1.7	5.7	< 0.001	< 0.05	< 0.003	0.08
9-Dec-97	0.002	45	< 0.02	< 0.0004	–	2.1	4.8	–	–	–	–
30-Mar-98	0.015	29	0.03	< 0.0004	–	1.5	5.1	–	–	–	–
22-Oct-98	0.003	49	0.04	< 0.0004	0.03	3.3	6.3	< 0.001	< 0.05	< 0.003	0.03
10-Jun-99	0.002	42	0.09	< 0.0004	< 0.03	1.9	6.1	< 0.001	< 0.05	< 0.003	0.04
7-Oct-99	DRY	–	–	–	–	–	–	–	–	–	–
11-May-00	0.002	39	< 0.02	–	–	3.8	7.2	–	–	–	–
19-Oct-00	0.004	51	0.04	< 0.0004	0.05	2.3	6	< 0.001	< 0.05	**0.015**	0.03
6-Jun-01	< 0.001	41	< 0.02	< 0.0004	< 0.03	3.2	6.6	< 0.001	< 0.05	< 0.003	0.01
12-Nov-01	0.004	50	0.2	< 0.0004	–	4.5	7.3	–	–	–	–
31-May-02	< 0.001	42	0.2	< 0.0004	–	1.2	5.5	–	–	–	–
21-Nov-02	< 0.001	41	< 0.02	< 0.0004	< 0.03	2.3	5.9	< 0.005	< 0.05	< 0.003	0.03
16-May-03	0.002	50	< 0.02	< 0.0004	0.06	2.1	5.5	< 0.005	< 0.05	< 0.003	0.07
18-Dec-03	0.001	50	0.03	< 0.0004	–	2.1	5.5	–	–	–	–
27-May-04	0.003	41	< 0.02	< 0.0004	–	1.2	5.3	–	–	–	–
14-Dec-04	0.001	46	< 0.02	< 0.0004	–	1.3	4.2	–	–	–	–
11-May-05	< 0.001	38	< 0.02	< 0.0004	< 0.03	1.1	2.9	< 0.005	< 0.05	< 0.003	< 0.01
17-Nov-05	< 0.001	49	0.14	< 0.0004	–	2.4	3.8	–	–	–	–
29-Dec-06	< 0.003	42	0.04	< 0.0004	< 0.03	0.8	2.8	< 0.005	< 0.05	**< 0.005**	0.29
27-Jun-07	< 0.001	48	< 0.02	< 0.0004	–	1.3	3.2	–	–	–	–
31-Oct-08	< 0.003	64	0.04	< 0.0004	< 0.03	1.9	4.7	< 0.005	< 0.05	< 0.003	< 0.01
1-Jun-09	< 0.003	50	< 0.02	–	–	1.3	5.8	–	–	–	–
20-Oct-10	–	57	–	–	–	2.0	4.8	–	–	–	–
30-Jun-11	–	55	–	–	–	1.4	3.3	–	–	–	–
20-Dec-12	DRY	–	–	–	–	–	–	–	–	–	–
4-Jun-13	< 0.02	48	< 0.01	–	–	1.1	4	–	–	–	–
28-Oct-14	DRY	–	–	–	–	–	–	–	–	–	–
6-May-15	< 0.02	94.5	–	–	–	<0.5	5.4	–	–	–	–
2-Nov-16	DRY	–	–	–	–	–	–	–	–	–	–
15-Jun-17	0.007	**61.6**	0.18	–	–	< 5	<0.5	–	–	–	–
9-Oct-18	< 0.005	61.5	0.27	–	–	< 5	5.5	–	–	–	–
19-Jun-19	< 0.005	57	0.23	–	–	< 5	7.4	–	–	–	–
3-Dec-20	< 0.005	57	0.05	–	< 0.04	< 5	5.5	< 0.01	< 0.01	< 0.01	< 0.02

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-6S											
29-Mar-96	–	–	–	–	–	–	–	–	–	–	–
20-Jun-96	–	–	–	–	–	–	–	–	–	–	–
5-Sep-96	–	–	–	–	–	–	–	–	–	–	–
12-Dec-96	–	–	–	–	–	–	–	–	–	–	–
28-Mar-97	–	–	–	–	–	–	–	–	–	–	–
3-Jun-97	–	–	< 0.001	< 0.30	–	< 0.005	58	–	–	–	< 0.03
30-Sep-97	< 0.05	< 0.003	< 0.001	0.3	< 0.005	< 0.005	50	< 0.05	–	< 0.02	< 0.03
9-Dec-97	–	–	–	–	–	–	–	–	–	–	–
30-Mar-98	–	–	–	–	–	–	–	–	–	–	–
22-Oct-98	–	–	–	–	–	–	–	–	–	–	–
10-Jun-99	–	–	–	–	–	–	–	–	–	–	–
7-Oct-99	DRY	–	–	–	–	–	–	–	–	–	–
11-May-00	–	–	–	–	–	–	–	–	–	–	–
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
18-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	–	–	–	–	–	–	–	–	–	–	–
14-Dec-04	–	–	–	–	–	–	–	–	–	–	–
11-May-05	–	–	–	–	–	–	–	–	–	–	–
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
29-Dec-06	–	–	–	–	–	–	–	–	–	–	–
27-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Oct-08	–	–	–	–	–	–	–	–	–	–	–
1-Jun-09	–	–	–	–	–	–	–	–	–	–	–
20-Oct-10	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
20-Dec-12	DRY	–	–	–	–	–	–	–	–	–	–
4-Jun-13	–	–	–	–	–	–	–	–	–	–	–
28-Oct-14	DRY	–	–	–	–	–	–	–	–	–	–
6-May-15	–	–	–	–	–	–	–	–	–	–	–
2-Nov-16	DRY	–	–	–	–	–	–	–	–	–	–
15-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Oct-18	–	–	–	–	–	–	–	–	–	–	–
19-Jun-19	–	–	–	–	–	–	–	–	–	–	–
3-Dec-20	–	–	–	–	–	–	–	–	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-6S											
29-Mar-96	–	–	–	–	–	–	–	–	–	–	–
20-Jun-96	–	–	–	–	–	–	–	–	–	–	–
5-Sep-96	–	–	–	–	–	–	–	–	–	–	–
12-Dec-96	–	–	–	–	–	–	–	–	–	–	–
28-Mar-97	–	–	–	–	–	–	–	–	–	–	–
3-Jun-97	0.002	49	< 0.02	< 0.0004	–	1	2.7	–	–	–	–
30-Sep-97	0.003	48	< 0.02	< 0.0004	< 0.03	1	6.2	< 0.001	< 0.05	< 0.003	0.13
9-Dec-97	–	–	–	–	–	–	–	–	–	–	–
30-Mar-98	–	–	–	–	–	–	–	–	–	–	–
22-Oct-98	–	–	–	–	–	–	–	–	–	–	–
10-Jun-99	–	–	–	–	–	–	–	–	–	–	–
7-Oct-99	DRY	–	–	–	–	–	–	–	–	–	–
11-May-00	–	–	–	–	–	–	–	–	–	–	–
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
18-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	–	–	–	–	–	–	–	–	–	–	–
14-Dec-04	–	–	–	–	–	–	–	–	–	–	–
11-May-05	–	–	–	–	–	–	–	–	–	–	–
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
29-Dec-06	–	–	–	–	–	–	–	–	–	–	–
27-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Oct-08	–	–	–	–	–	–	–	–	–	–	–
1-Jun-09	–	–	–	–	–	–	–	–	–	–	–
20-Oct-10	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
20-Dec-12	DRY	–	–	–	–	–	–	–	–	–	–
4-Jun-13	–	–	–	–	–	–	–	–	–	–	–
28-Oct-14	DRY	–	–	–	–	–	–	–	–	–	–
6-May-15	–	–	–	–	–	–	–	–	–	–	–
2-Nov-16	DRY	–	–	–	–	–	–	–	–	–	–
15-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Oct-18	–	–	–	–	–	–	–	–	–	–	–
19-Jun-19	–	–	–	–	–	–	–	–	–	–	–
3-Dec-20	–	–	–	–	–	–	–	–	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	FIELD PARAMETERS				INORGANIC PARAMETERS					
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l $CaCO_3$)	HARD. (mg/l $CaCO_3$)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	–	–	6.5-8.5	–	15	5	–	–	500	250
MW-6D										
29-Mar-96	48	95	7.4	720	–	**900**	280	330	460	3
20-Jun-96	57	185	7.5	660	**900**	**530**	210	300	490	< 1
5-Sep-96	57	120	7.8	600	–	**473**	260	410	**610**	2
12-Dec-96	46	100	7.3	540	–	**450**	250	320	480	2
28-Mar-97	54	275	7.6	540	–	**1000**	260	330	500	3
3-Jun-97	52	255	7.5	680	–	**570**	280	380	450	3
29-Sep-97	55	40	7.4	750	**21**	**288**	230	330	500	3
9-Dec-97	46	175	7.6	770	–	**371**	340	310	480	2
30-Mar-98	52	105	7.7	510	–	**377**	260	270	500	2
22-Oct-98	52	75	6.8	500	6	**585**	260	330	470	4
10-Jun-99	54	245	7.3	680	9	**1300**	260	330	450	2
7-Oct-99	50	160	7.2	630	–	20	290	350	480	2
11-May-00	50	65	8.3	860	–	**201**	270	310	**530**	3
19-Oct-00	52	75	7.8	379	**550**	**50**	270	340	430	2
6-Jun-01	69	-103	8.1	529	**300**	**700**	220	310	460	2
12-Nov-01	47	-64	8.1	481	–	**17**	260	–	500	2
31-May-02	58	-58	7.7	541	–	**25**	270	310	440	3
21-Nov-02	51	-43	7.2	514	**110**	**1000**	260	320	410	2
16-May-03	55	-51	7.7	528	**36**	**14**	290	350	460	3
18-Dec-03	45	-83	8.4	447	–	**290**	280	320	490	2
27-May-04	54	-55	7.5	714	–	**85**	270	330	467	2
14-Dec-04	47	-39	8.2	621	–	**9**	330	290	**560**	11
11-May-05	54	-50	7.6	708	**200**	**79**	320	290	430	3
17-Nov-05	47	-50	7.5	715	–	**34**	260	320	**532**	2
29-Dec-06	43	140	7.3	669	7	**10**	240	270	420	6
27-Jun-07	54	-123	8	396	–	**18**	260	320	**523**	4
31-Oct-08	52	-47	7.9	616	10	**11**	250	380	500	3
1-Jun-09	52	170	7.5	420	–	**19**	250	370	470	3
20-Oct-10	55	58	7.9	636	–	**13**	280	390	440	4
30-Jun-11	52	56	7.7	704	–	**9**	260	370	**560**	3
9-Nov-12	54	126	8.4	749	–	**47**	250	130	**660**	3
4-Jun-13	55	218	7.6	748	–	**340**	250	185	**575**	2.5
28-Oct-14	–	–	–	–	–	–	–	–	–	–
6-May-15	59	107	7.6	500	–	**40**	234	1000	**776**	5.7
2-Nov-16	53	63	8.1	679	5	**800**	262	1000	**544**	4.6
15-Jun-17	66	17	7.3	686	–	**61**	273	500	**507**	3.3
9-Oct-18	60	-3	7.5	737	–	**55**	265	400	468	4.3
19-Jun-19	56	-13	7.6	722	5	**17**	250	367	386	5.1
3-Dec-20	50	-171	9.3	629		**46**	239	–	**419**	4.6

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	–	–	–	–	0.005	0.1
MW-6D										
29-Mar-96	110	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
20-Jun-96	150	0.2	< 0.2	< 0.5	0.6	< 4	< 20	1	< 0.005	< 0.01
5-Sep-96	140	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
12-Dec-96	140	–	< 0.2	0.6	–	–	< 20	< 1	< 0.005	–
28-Mar-97	140	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
3-Jun-97	150	–	< 0.2	< 0.5	–	–	< 20	3	< 0.005	–
30-Sep-97	130	0.2	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
9-Dec-97	140	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
30-Mar-98	120	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
22-Oct-98	130	0.1	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	150	0.3	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
7-Oct-99	140	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
11-May-00	130	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
19-Oct-00	140	0.2	0.4	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	200	< 0.5	0.5	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	170	–	0.2	1.1	–	–	< 20	< 1	< 0.005	–
31-May-02	150	–	< 0.2	< 0.5	–	–	< 20	4	< 0.005	–
21-Nov-02	140	< 0.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
16-May-03	140	< 0.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
18-Dec-03	130	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
27-May-04	106	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
14-Dec-04	123	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
11-May-05	114	< 0.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	**0.005**	< 0.01
17-Nov-05	112	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
29-Dec-06	76	< 0.5	2.3	< 0.5	< 0.5	4	< 20	3	< 0.005	< 0.01
27-Jun-07	107	–	0.5	< 0.5	–	–	< 20	< 3	< 0.005	–
31-Oct-08	178	< 0.5	0.6	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
1-Jun-09	161	–	0.9	< 0.5	–	–	< 20	< 3	< 0.005	–
20-Oct-10	208	–	0.6	–	–	–	< 20	–	–	–
30-Jun-11	72	–	–	–	–	–	–	–	–	–
9-Nov-12	10	–	–	0.3	–	–	–	–	–	–
4-Jun-13	147	–	0.12	0.25	–	–	15	< 3	< 0.010	–
28-Oct-14	–	–	–	–	–	–	–	–	–	–
6-May-15	131	–	0.2	0.4	–	–	< 10	3.3	< 0.005	–
2-Nov-16	175	0.3	0.07	0.34	–	–	73.3	2.2	< 0.005	–
15-Jun-17	135	–	0.06	0.15	–	–	19.2	< 1	< 0.005	–
9-Oct-18	177	–	0.24	0.15	–	–	33.9	2.3	0.007	–
19-Jun-19	160	0.1	0.27	< 0.1	–	–	12.4	3	< 0.010	–
3-Dec-20	< 5.0	0.12	0.45	< 0.1	–	–	18.5	2.4	< 0.005	< 0.01

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-6D											
29-Mar-96	–	–	0.004	< 0.3	–	< 0.005	67	–	–	–	**8.9**
20-Jun-96	7.8	< 0.003	0.003	< 0.3	< 0.005	< 0.005	59	< 0.05	< 0.01	< 0.02	**13**
5-Sep-96	–	–	0.002	< 0.3	–	< 0.005	75	–	–	–	**6.2**
12-Dec-96	–	–	0.002	< 0.3	–	< 0.005	62	–	–	–	**4.4**
28-Mar-97	–	–	0.003	< 0.3	–	< 0.005	65	–	–	–	**6.7**
3-Jun-97	–	–	0.003	< 0.3	–	< 0.005	72	–	–	–	**10**
30-Sep-97	1.2	< 0.003	0.001	< 0.3	< 0.005	< 0.005	64	< 0.05	< 0.01	< 0.02	**2.7**
9-Dec-97	–	–	0.002	< 0.3	–	< 0.005	63	–	–	–	**3**
30-Mar-98	–	–	0.002	< 0.3	–	< 0.005	62	–	–	–	**5**
22-Oct-98	2.9	< 0.003	0.006	< 0.3	< 0.005	0.006	59	< 0.05	< 0.01	0.02	**4.5**
10-Jun-99	1.8	< 0.003	0.001	< 0.3	< 0.005	< 0.005	68	< 0.05	< 0.01	0.03	**2.6**
7-Oct-99	–	–	–	–	–	< 0.005	67	–	–	–	**3.6**
11-May-00	–	–	–	–	–	< 0.005	58	–	–	–	**3.1**
19-Oct-00	0.33	< 0.003	< 0.001	< 0.3	< 0.005	0.007	66	< 0.05	< 0.01	0.02	**0.6**
6-Jun-01	4.3	< 0.003	0.003	< 0.3	< 0.005	< 0.005	64	< 0.05	< 0.01	< 0.02	**5.4**
12-Nov-01	–	–	< 0.010	< 0.3	–	< 0.005	51	–	–	–	**0.3**
31-May-02	–	–	< 0.010	< 0.3	–	< 0.005	60	–	–	–	**2.7**
21-Nov-02	0.54	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	64	< 0.05	< 0.01	< 0.02	**0.5**
16-May-03	0.21	< 0.003	< 0.010	< 0.3	< 0.005	0.008	69	< 0.05	< 0.01	< 0.02	**4.6**
18-Dec-03	–	–	< 0.010	< 0.3	–	< 0.005	61	–	–	–	**2.8**
27-May-04	–	–	< 0.010	< 0.3	–	< 0.005	63	–	–	–	**3.1**
14-Dec-04	–	–	< 0.010	< 0.3	–	< 0.005	56	–	–	–	**1**
11-May-05	0.92	< 0.003	0.014	< 0.3	< 0.005	0.006	58	< 0.05	< 0.01	0.035	0.1
17-Nov-05	–	–	< 0.010	0.5	–	< 0.005	60	–	–	–	**0.7**
29-Dec-06	0.08	**0.005**	< 0.010	< 0.3	**0.006**	0.005	51	< 0.05	< 0.01	< 0.02	**0.8**
27-Jun-07	–	–	< 0.010	< 0.3	–	< 0.005	61	–	–	–	**2**
31-Oct-08	< 0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	68	< 0.05	< 0.01	< 0.02	**0.9**
1-Jun-09	–	–	–	–	–	< 0.005	70	–	–	–	**0.9**
20-Oct-10	–	–	–	–	–	–	73	–	–	–	**3.5**
30-Jun-11	–	–	–	–	–	–	70	–	–	–	**0.76**
9-Nov-12	0.48	–	–	–	–	–	39	**0.27**	–	–	0.1
4-Jun-13	–	–	–	–	–	< 0.005	74	–	–	–	**1.9**
28-Oct-14	–	–	–	–	–	–	–	–	–	–	–
6-May-15	–	–	–	–	–	< 0.005	113	–	–	–	**85**
2-Nov-16	43.6	–	**0.031**	0.3	–		143	**0.06**	–	0.05	**84**
15-Jun-17	–	–	–	–	–	< 0.0025	75	–	–	–	**1.4**
9-Oct-18	–	–	–	–	–	< 0.0025	66	–	–	–	**1.9**
19-Jun-19	0.3	–	–	–	–	< 0.0025	66	0.013	–	< 0.025	**1.2**
3-Dec-20	0.58	< 0.06	< 0.010	< 0.2	< 0.005	< 0.0025	64	0.012	–	< 0.025	1.3

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-6D											
29-Mar-96	0.006	**39**	0.16	< 0.0004	–	9	5.5	–	–	–	–
20-Jun-96	0.006	**38**	0.27	< 0.0004	< 0.03	5.6	4.6	0.002	< 0.05	< 0.003	0.03
5-Sep-96	0.004	**53**	0.31	< 0.0004	–	4.7	6.2	–	–	–	–
12-Dec-96	0.002	**41**	0.24	< 0.0004	–	5	4.8	–	–	–	–
28-Mar-97	0.003	**42**	0.25	< 0.0004	–	5.9	5.9	–	–	–	–
3-Jun-97	0.006	**48**	0.27	< 0.0004	–	4.4	7.3	–	–	–	–
30-Sep-97	0.005	**42**	0.21	< 0.0004	< 0.03	6.1	7.2	< 0.001	< 0.05	< 0.003	0.03
9-Dec-97	0.002	**38**	0.21	< 0.0004	–	7.5	8.3	–	–	–	–
30-Mar-98	0.017	28	0.17	< 0.0004	–	6.6	9	–	–	–	–
22-Oct-98	0.005	**45**	0.21	< 0.0004	0.05	5.5	7.1	< 0.001	< 0.05	< 0.003	0.04
10-Jun-99	0.004	**38**	0.12	< 0.0004	< 0.03	9.2	6.9	< 0.001	< 0.05	< 0.003	0.07
7-Oct-99	0.008	**44**	0.17	–	–	6.5	7.3	–	–	–	–
11-May-00	0.006	**39**	0.14	–	–	6.4	7.2	–	–	–	–
19-Oct-00	0.005	**42**	0.09	< 0.0004	0.05	4.7	7	< 0.001	< 0.05	**0.014**	< 0.01
6-Jun-01	0.002	**36**	0.12	< 0.0004	< 0.03	12	7.8	< 0.001	< 0.05	< 0.003	0.02
12-Nov-01	< 0.001	**36**	0.08	< 0.0004	–	6.1	6.8	–	–	–	–
31-May-02	< 0.001	**39**	0.2	< 0.0004	–	6	7.9	–	–	–	–
21-Nov-02	< 0.001	**39**	0.06	< 0.0004	< 0.03	6.3	7	< 0.005	< 0.05	< 0.003	0.01
16-May-03	0.001	**44**	0.11	< 0.0004	0.05	5.1	7.1	< 0.005	< 0.05	< 0.003	0.06
18-Dec-03	0.004	**40**	0.16	< 0.0004	–	5.3	5.7	–	–	–	–
27-May-04	0.002	**42**	0.19	< 0.0004	–	5.2	6.5	–	–	–	–
14-Dec-04	0.001	**37**	0.12	< 0.0004	–	4.9	5.8	–	–	–	–
11-May-05	< 0.001	**36**	0.12	< 0.0004	< 0.03	6.3	5.5	< 0.005	< 0.05	< 0.003	< 0.01
17-Nov-05	< 0.001	**40**	0.19	< 0.0004	–	5.2	4	–	–	–	–
29-Dec-06	< 0.003	35	0.09	< 0.0004	< 0.03	3.2	4.4	< 0.005	< 0.05	**0.007**	0.19
27-Jun-07	< 0.003	**40**	0.09	< 0.0004	–	5.1	5.1	–	–	–	–
31-Oct-08	< 0.003	**52**	0.07	< 0.0004	< 0.03	5	5	< 0.005	< 0.05	< 0.003	< 0.01
1-Jun-09	< 0.002	**47**	**0.39**	–	–	4.8	5.1	–	–	–	–
20-Oct-10	–	**49**	0.11	–	–	5.5	5.7	–	–	–	–
30-Jun-11	–	**47**	0.13	–	–	5.1	5.2	–	–	–	–
9-Nov-12	–	9	–	–	–	30	**24**	–	–	–	–
4-Jun-13	< 0.02	**42**	< 0.15	–	–	7.2	5	–	–	–	–
28-Oct-14	–	–	–	–	–	–	–	–	–	–	–
6-May-15	0.009	**81**	**2.3**	–	–	29	6.9	–	–	–	–
2-Nov-16	0.011	**99**	**1.3**	–	0.01	30.4	< 5.0	–	–	–	0.01
15-Jun-17	< 0.005	**51**	1	–	–	6.7	5	–	–	–	–
9-Oct-18	< 0.005	**45**	0.06	–	–	5.5	5.5	–	–	–	–
19-Jun-19	< 0.005	**41**	0.05	–	–	5.2	6.5	–	–	–	0.03
3-Dec-20	< 0.005	**37**	0.03	–	0.04	< 5.0	5.1	< 0.01	< 0.01	< 0.01	< 0.02

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-6D											
29-Mar-96	–	–	0.001	< 0.3	–	< 0.005	63	–	–	–	0.18
20-Jun-96	0.07	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	59	< 0.05	–	< 0.02	< 0.03
5-Sep-96	–	–	< 0.001	< 0.3	–	< 0.005	68	–	–	–	0.09
12-Dec-96	–	–	< 0.001	< 0.3	–	< 0.005	53	–	–	–	0.04
28-Mar-97	–	–	< 0.001	< 0.3	–	< 0.005	68	–	–	–	0.04
3-Jun-97	–	–	< 0.001	< 0.3	–	< 0.005	63	–	–	–	0.04
30-Sep-97	0.07	< 0.003	< 0.001	0.3	< 0.005	< 0.005	60	< 0.05	–	< 0.02	0.03
9-Dec-97	–	–	< 0.001	< 0.3	–	< 0.005	61	–	–	–	0.03
30-Mar-98	–	–	< 0.001	< 0.3	–	< 0.005	64	–	–	–	0.12
22-Oct-98	0.31	< 0.003	< 0.001	< 0.3	< 0.005	0.007	52	< 0.05	–	< 0.02	0.19
10-Jun-99	0.12	< 0.003	0.001	< 0.3	< 0.005	< 0.005	71	< 0.05	–	< 0.02	0.03
7-Oct-99	–	–	–	–	–	< 0.005	71	–	–	–	0.13
11-May-00	–	–	–	–	–	< 0.005	53	–	–	–	0.07
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
18-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	–	–	< 0.010	< 0.3	–	< 0.005	62	–	–	–	0.07
14-Dec-04	–	–	–	–	–	–	–	–	–	–	–
11-May-05	< 0.05	< 0.003	< 0.01	< 0.3	< 0.005	< 0.005	56	< 0.05	–	< 0.02	0.08
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
29-Dec-06	–	–	–	–	–	–	–	–	–	–	–
27-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Oct-08	–	–	–	–	–	–	–	–	–	–	–
1-Jun-09	–	–	–	–	–	–	–	–	–	–	–
20-Oct-10	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
9-Nov-12	–	–	–	–	–	–	–	–	–	–	–
4-Jun-13	–	–	–	–	–	< 0.005	65	–	–	–	< 0.05
28-Oct-14	–	–	–	–	–	–	–	–	–	–	–
6-May-15	–	–	–	–	–	–	–	–	–	–	–
2-Nov-16	–	–	–	–	–	< 0.0025	70	–	–	–	–
15-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Oct-18	–	–	–	–	–	–	–	–	–	–	–
19-Jun-19	–	–	–	–	–	–	–	–	–	–	–
3-Dec-20	–	–	–	–	–	–	–	–	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-6D											
29-Mar-96	0.003	35	0.07	< 0.0004	–	5.2	4.1	–	–	–	–
20-Jun-96	0.005	**39**	0.07	< 0.0004	< 0.03	3.3	3.9	0.002	< 0.05	< 0.003	0.02
5-Sep-96	0.008	**48**	1.08	< 0.0004	–	3.2	4.6	–	–	–	–
12-Dec-96	0.002	35	0.06	< 0.0004	–	3.4	5.4	–	–	–	–
28-Mar-97	< 0.001	**39**	0.07	< 0.0004	–	5.2	4.6	–	–	–	–
3-Jun-97	0.002	**44**	0.02	< 0.0004	–	3.2	4.3	–	–	–	–
30-Sep-97	0.002	**40**	0.05	< 0.0004	< 0.03	4	6.8	< 0.001	< 0.05	< 0.003	0.12
9-Dec-97	0.002	**39**	0.04	< 0.0004	–	5.5	7.5	–	–	–	–
30-Mar-98	0.005	26	0.03	< 0.0004	–	6.1	5.4	–	–	–	–
22-Oct-98	0.001	**40**	0.05	< 0.0004	0.04	3.9	4.5	< 0.001	< 0.05	< 0.003	< 0.01
10-Jun-99	0.003	**38**	0.06	< 0.0004	< 0.03	8.7	6.9	< 0.001	< 0.05	< 0.003	0.07
7-Oct-99	0.008	**47**	0.04	–	–	5.5	5	–	–	–	–
11-May-00	0.006	35	0.03	–	–	6	5.5	–	–	–	–
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
18-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	0.001	**40**	0.06	< 0.0004	–	5.5	6.9	–	–	–	–
14-Dec-04	–	–	–	–	–	–	–	–	–	–	–
11-May-05	< 0.001	**36**	0.03	< 0.0004	< 0.03	6.6	5.5	**0.034**	< 0.05	< 0.003	< 0.01
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
29-Dec-06	–	–	–	–	–	–	–	–	–	–	–
27-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Oct-08	–	–	–	–	–	–	–	–	–	–	–
1-Jun-09	–	–	–	–	–	–	–	–	–	–	–
20-Oct-10	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
9-Nov-12	–	–	–	–	–	–	–	–	–	–	–
4-Jun-13	< 0.02	**38**	< 0.01	–	–	6.1	5.7	–	–	–	–
28-Oct-14	–	–	–	–	–	–	–	–	–	–	–
6-May-15	–	–	–	–	–	–	–	–	–	–	–
2-Nov-16	–	**45**	0.02	–	–	6.5	5.7	–	–	–	0.04
15-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Oct-18	–	–	–	–	–	–	–	–	–	–	–
19-Jun-19	–	–	–	–	–	–	–	–	–	–	–
3-Dec-20	–	–	–	–	–	–	–	–	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	ORGANIC PARAMETERS (DETECTED)		
GROUND WATER		Methylene Chloride (ug/l)	TOTAL COMPOUNDS
6NYCRR Part 703 GROUNDWATER STANDARD	ANALYSIS METHOD	5	
MW-6D	Method		
29-Mar-96	–	–	–
20-Jun-96	(EPA 601/602)	< 5	0
5-Sep-96	–	–	–
12-Dec-96	–	–	–
28-Mar-97	–	–	–
3-Jun-97	–	–	–
30-Sep-97	(EPA 601/602)	< 5	0
9-Dec-97	–	–	–
30-Mar-98	–	–	–
22-Oct-98	(EPA 601/602)	< 5	0
10-Jun-99	(EPA 601/602)	< 5	0
7-Oct-99	–	–	–
11-May-00	–	–	–
19-Oct-00	(EPA 601/602)	< 5	0
6-Jun-01	(EPA 601/602)	< 5	0
12-Nov-01	–	–	–
31-May-02	–	–	–
21-Nov-02	(EPA 601/602)	< 5	0
16-May-03	(EPA 601/602)	< 5	0
18-Dec-03	–	–	–
27-May-04	–	–	–
14-Dec-04	–	–	–
11-May-05	(EPA 601/602)	< 5	0
17-Nov-05	–	–	–
29-Dec-06	(EPA 601/602)	< 5	0
27-Jun-07	–	–	–
31-Oct-08	(EPA 601/602)	< 5	0
1-Jun-09	–	–	–
20-Oct-10	–	–	–
30-Jun-11	–	–	–
9-Nov-12	–	–	–
4-Jun-13	–	–	–
28-Oct-14	–	–	–
6-May-15	–	–	–
2-Nov-16	–	–	–
15-Jun-17	–	–	–
9-Oct-18	–	–	–
19-Jun-19	–	–	–
20-Jun-19	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	FIELD PARAMETERS				INORGANIC PARAMETERS					
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l $CaCO_3$)	HARD. (mg/l $CaCO_3$)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	–	–	6.5-8.5	–	15	5	–	–	500	250
MW-8S										
29-Mar-96	48	-80	6.5	1000	–	0.65	580	540	**690**	36
20-Jun-96	54	180	7	950	**23**	1.4	310	540	**730**	38
5-Sep-96	59	55	7	1300	–	1.1	580	660	**750**	40
12-Dec-96	48	75	6.8	830	–	0.28	570	480	**670**	29
28-Mar-97	45	250	6.8	710	–	0.73	610	520	**690**	29
3-Jun-97	52	205	6.8	1300	–	0.51	580	580	**780**	35
30-Sep-97	54	55	6.6	1200	11	0.1	480	650	**810**	41
9-Dec-97	46	180	6.9	1200	–	2.05	580	510	**680**	7
30-Mar-98	50	135	6.5	760	–	0.67	550	560	**670**	29
22-Oct-98	50	110	6.6	1000	< 5	**9.26**	610	390	**690**	27
10-Jun-99	55	230	**6.4**	1000	< 4	1.04	690	610	**660**	32
7-Oct-99	48	140	6.6	1000	–	1.27	650	680	**710**	32
11-May-00	52	30	7.1	1000	–	1.39	590	440	**600**	21
19-Oct-00	53	70	7.3	424	< 5	1.5	680	670	**670**	38
6-Jun-01	52	-42	7.1	823	< 5	0.1	600	550	**700**	30
12-Nov-01	51	-16	7.3	832	–	1.14	790	–	**730**	36
31-May-02	51	-20	7.1	736	–	0.44	430	450	**550**	18
21-Nov-02	51	-1	**6.4**	818	7	0.8	620	410	500	2
16-May-03	50	-13	7.1	808	8	2.3	570	570	**620**	27
18-Dec-03	45	-22	7.4	506	–	1.8	630	500	**660**	5
27-May-04	52	-40	7.2	1059	–	1.36	540	500	**620**	26
14-Dec-04	48	-21	7.5	903	–	0.78	690	460	**622**	20
11-May-05	52	-8	6.8	1004	5	0.81	590	450	**560**	24
17-Nov-05	49	-15	6.8	1149	–	0.25	490	560	**735**	4
29-Dec-06	42	105	6.7	1026	7	0.29	580	480	**673**	31
27-Jun-07	52	-48	6.8	523	–	0.46	510	510	**565**	28
31-Oct-08	11	-21	7.4	872	< 5	2.12	560	630	**642**	15
1-Jun-09	50	215	6.7	503	–	0.43	500	560	**580**	23
20-Oct-10	*50*	*78*	*7.4*	*1921*	–	***56***	*120*	*1300*	***1700***	*91*
15-Feb-11	50	72	7.1	909	–	1.2	300	670	**670**	21
30-Jun-11	52	24	7.0	1043	–	1.76	610	560	**680**	25
26-Oct-12	54	182	6.3	1100	–	**15**	620	720	**880**	34
6-Jun-13	54	121	7.1	998	–	< 1.0	528	352	**631**	21
28-Oct-14	54	5	7.2	1190	–	1.2	605	656	**671**	34
5-May-15	61	80	6.9	840	–	< 1.0	505	1100	**524**	16
2-Nov-16	54	69	7.3	1035	5	3.2	619	600	**633**	17
15-Jun-17	56	-4	7.0	923	–	< 1.0	598	620	**566**	24
9-Oct-18	54	-6	6.8	1124	–	**6.6**	594	300	**617**	37
19-Jun-19	56	-22	6.9	934	–	4.7	469	367	440	17
3-Dec-20	55	-121	8.5	1049	–	**6.4**	605	---	**664**	25

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	–	–	–	–	0.005	0.1
MW-8S										
29-Mar-96	20	–	0.8	< 0.5	–	–	< 20	2	< 0.005	–
20-Jun-96	27	0.2	1.9	< 0.5	1.5	< 4	24	3	< 0.005	< 0.01
5-Sep-96	24	–	< 0.2	0.8	–	–	< 20	4	< 0.005	–
12-Dec-96	24	–	3.8	< 0.5	–	–	< 20	< 1	< 0.005	–
28-Mar-97	23	–	1.6	< 0.5	–	–	20	2	< 0.005	–
3-Jun-97	29	–	1.5	< 0.5	–	–	< 20	3	< 0.005	–
30-Sep-97	24	0.1	< 0.2	< 0.5	< 0.5	< 4	< 20	2	< 0.005	< 0.01
9-Dec-97	18	–	1.5	< 0.5	–	–	< 20	2	< 0.005	–
30-Mar-98	21	–	2.5	< 0.5	–	–	< 20	2	< 0.005	–
22-Oct-98	22	0.1	0.5	< 0.5	< 0.5	< 4	< 20	2	< 0.005	< 0.01
10-Jun-99	25	0.2	0.7	< 0.5	< 0.5	< 4	< 20	2	< 0.005	< 0.01
7-Oct-99	20	–	0.2	< 0.5	–	–	< 20	3	< 0.005	–
11-May-00	20	–	0.8	< 0.5	–	–	< 20	2	< 0.005	–
19-Oct-00	22	0.2	< 0.2	0.6	0.6	< 4	< 20	2	< 0.005	< 0.01
6-Jun-01	22	< 0.5	0.3	< 0.5	< 0.5	< 4	< 20	2	< 0.005	< 0.01
12-Nov-01	26	–	< 0.2	0.8	–	–	< 20	2	< 0.005	–
31-May-02	23	–	1.1	< 0.5	–	–	< 20	4	< 0.005	–
21-Nov-02	12	< 0.5	0.6	< 0.5	< 0.5	< 4	< 20	4	< 0.005	< 0.01
16-May-03	17	< 0.5	0.5	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
18-Dec-03	5	–	0.4	< 0.5	–	–	< 20	< 3	**0.006**	–
27-May-04	18	–	1.8	< 0.5	–	–	< 20	< 3	< 0.005	–
14-Dec-04	21	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
11-May-05	9	< 0.5	1.2	< 0.5	< 0.5	7	< 20	< 3	< 0.005	< 0.01
17-Nov-05	10	–	0.9	< 0.5	–	–	< 20	< 3	< 0.005	–
29-Dec-06	8	< 0.5	2.8	< 0.5	< 0.5	4	< 20	< 3	< 0.005	< 0.01
27-Jun-07	21	–	1.5	< 0.5	–	–	< 20	< 3	< 0.005	–
31-Oct-08	12	< 0.5	0.9	< 0.5	< 0.5	< 4	< 20	43	< 0.005	< 0.01
1-Jun-09	13	–	1.7	< 0.5	–	–	< 20	< 3	< 0.005	–
20-Oct-10	*724*	–	*1.4*	*0.9*	–	–	–	–	–	–
15-Feb-11	21	–	2.3	1.9	–	–	–	–	–	–
30-Jun-11	15	–	2.4	–	–	–	–	–	–	–
26-Oct-12	13	–	< 0.2	–	–	–	–	–	–	–
6-Jun-13	44	–	3.1	0.13	–	–	5	1.2	< 0.010	–
28-Oct-14	17	0.09	–	–	–	–	10	1.7	< 0.005	< 0.01
5-May-15	20	–	1.8	< 0.1	–	–	< 10	1.3	< 0.005	–
2-Nov-16	16	0.07	1.2	0.25	0.13	–	< 10	8.2	< 0.005	< 0.01
15-Jun-17	11	–	4.8	< 0.1	–	–	44	1.3	< 0.005	–
9-Oct-18	18	–	2.5	< 0.1	–	–	20	1.7	< 0.005	–
19-Jun-19	12	0.05	2.7	< 0.1	–	–	43	1.6	< 0.010	< 0.01
3-Dec-20	13	0.09	2.5	< 0.1	0.24	< 0.2	31	1.7	< 0.005	< 0.01

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-8S											
29-Mar-96	–	–	0.002	0.4	–	< 0.005	160	–	–	–	**0.34**
20-Jun-96	0.08	< 0.003	< 0.001	0.4	< 0.005	< 0.005	160	< 0.05	< 0.01	< 0.02	**0.8**
5-Sep-96	–	–	< 0.001	0.4	–	< 0.005	190	–	–	–	**0.69**
12-Dec-96	–	–	< 0.001	0.3	–	< 0.005	140	–	–	–	0.07
28-Mar-97	–	–	< 0.001	< 0.3	–	< 0.005	150	–	–	–	< 0.03
3-Jun-97	–	–	< 0.001	0.4	–	< 0.005	170	–	–	–	0.21
30-Sep-97	< 0.05	< 0.003	0.002	< 0.3	< 0.005	< 0.005	190	< 0.05	< 0.01	< 0.02	0.04
9-Dec-97	–	–	< 0.001	< 0.3	–	< 0.005	150	–	–	–	< 0.03
30-Mar-98	–	–	< 0.001	0.4	–	< 0.005	170	–	–	–	0.06
22-Oct-98	0.11	< 0.003	< 0.001	0.4	< 0.005	< 0.005	100	< 0.05	< 0.01	< 0.02	**0.78**
10-Jun-99	0.1	< 0.003	< 0.001	0.3	< 0.005	< 0.005	180	< 0.05	< 0.01	< 0.02	0.04
7-Oct-99	–	–	–	–	–	< 0.005	200	–	–	–	0.1
11-May-00	–	–	–	–	–	< 0.005	130	–	–	–	0.12
19-Oct-00	0.1	< 0.003	< 0.001	0.4	< 0.005	< 0.005	200	< 0.05	< 0.01	< 0.02	0.17
6-Jun-01	< 0.05	< 0.003	< 0.001	0.3	< 0.005	< 0.005	160	< 0.05	< 0.01	< 0.02	0.15
12-Nov-01	–	–	< 0.010	< 0.3	–	< 0.005	150	–	–	–	0.22
31-May-02	–	–	< 0.010	< 0.3	–	< 0.005	130	–	–	–	0.06
21-Nov-02	0.07	< 0.003	< 0.010	< 0.3	< 0.005	0.007	120	< 0.05	< 0.01	0.02	0.05
16-May-03	0.19	< 0.003	< 0.010	< 0.3	< 0.005	0.008	170	< 0.05	< 0.01	0.02	0.09
18-Dec-03	–	–	< 0.010	< 0.3	–	< 0.005	140	–	–	–	0.26
27-May-04	–	–	< 0.010	< 0.3	–	< 0.005	150	–	–	–	0.11
14-Dec-04	–	–	< 0.010	< 0.3	–	0.008	130	–	–	–	0.17
11-May-05	0.08	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	130	< 0.05	< 0.01	0.032	0.09
17-Nov-05	–	–	< 0.010	0.4	–	< 0.005	160	–	–	–	0.08
29-Dec-06	0.06	< 0.003	< 0.010	0.4	< 0.005	< 0.005	130	< 0.05	< 0.01	< 0.02	0.12
27-Jun-07	–	–	< 0.010	< 0.3	–	< 0.005	140	–	–	–	0.06
31-Oct-08	< 0.05	< 0.003	< 0.010	0.5	< 0.005	< 0.005	170	< 0.05	< 0.01	< 0.02	< 0.03
1-Jun-09	–	–	–	–	–	< 0.005	160	–	–	–	< 0.03
20-Oct-10	–	–	–	–	–	–	*470*	–	–	–	***4.3***
15-Feb-11	–	–	–	–	–	–	190	–	–	–	–
30-Jun-11	–	–	–	–	–	–	160	–	–	–	0.04
26-Oct-12	–	–	–	0.4	–	–	210	–	–	–	0.04
6-Jun-13	–	–	–	–	–	< 0.005	141	–	–	–	< 0.05
28-Oct-14	–	–	–	0.09	–	–	186	–	–	–	0.12
5-May-15	–	–	–	–	–	< 0.005	143	–	–	–	< 0.1
2-Nov-16	–	–	–	0.29	–	< 0.0025	195	–	–	–	< 0.1
15-Jun-17	–	–	–	–	–	< 0.0025	179	–	–	–	< 0.1
9-Oct-18	–	–	–	–	–	< 0.0025	167	–	–	–	0.15
19-Jun-19	<0.2	< 0.010	< 0.010	0.73	< 0.005	< 0.0025	136	< 0.01	–	< 0.025	0.29
3-Dec-20	<0.2	< 0.06	< 0.010	0.31	< 0.005	< 0.0025	174	< 0.01	–	< 0.025	0.04

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-8S											
29-Mar-96	0.004	33	**2.6**	< 0.0004	–	7.7	13	–	–	–	–
20-Jun-96	0.003	34	**2.6**	< 0.0004	< 0.030	6.8	17	0.003	< 0.05	< 0.003	0.01
5-Sep-96	0.002	**44**	**3.2**	< 0.0004	–	7.5	19	–	–	–	–
12-Dec-96	< 0.001	32	**2.3**	< 0.0004	–	7.3	16	–	–	–	–
28-Mar-97	0.001	34	**2.5**	< 0.0004	–	6.7	14	–	–	–	–
3-Jun-97	0.003	**40**	**3.1**	< 0.0004	–	5.6	17	–	–	–	–
30-Sep-97	0.002	**43**	**2.9**	< 0.0004	< 0.030	11	**24**	< 0.001	< 0.05	< 0.003	0.01
9-Dec-97	0.002	32	**2.2**	< 0.0004	–	13	17	–	–	–	–
30-Mar-98	0.005	33	**2.3**	< 0.0004	–	8.4	15	–	–	–	–
22-Oct-98	0.002	35	**5.2**	< 0.0004	0.06	10	19	< 0.001	< 0.05	< 0.003	0.02
10-Jun-99	0.002	**38**	**2.6**	< 0.0004	0.04	12	17	< 0.001	< 0.05	< 0.003	0.01
7-Oct-99	0.009	**45**	**3**	–	–	8.5	17	–	–	–	–
11-May-00	0.002	29	**1.7**	–	–	6.6	12	–	–	–	–
19-Oct-00	0.003	**41**	**2.6**	< 0.0004	0.07	7.9	13	< 0.001	< 0.05	**0.013**	< 0.01
6-Jun-01	< 0.001	**36**	**1.9**	< 0.0004	< 0.030	13	15	< 0.001	< 0.05	< 0.003	< 0.01
12-Nov-01	< 0.001	35	**2.1**	< 0.0004	–	8.2	19	–	–	–	–
31-May-02	0.002	30	**1.9**	< 0.0004	–	5.6	10	–	–	–	–
21-Nov-02	< 0.001	27	**1.3**	< 0.0004	< 0.030	4.9	6	< 0.005	< 0.05	< 0.003	0.01
16-May-03	< 0.001	**36**	**1.5**	< 0.0004	0.06	7	14	< 0.005	< 0.05	< 0.003	0.06
18-Dec-03	< 0.001	34	**3**	< 0.0004	–	7.3	10	–	–	–	–
27-May-04	0.002	33	**1.4**	< 0.0004	–	5.9	11	–	–	–	–
14-Dec-04	< 0.001	32	**2.3**	< 0.0004	–	6.1	10	–	–	–	–
11-May-05	< 0.001	32	**1.8**	< 0.0004	< 0.030	6.1	9	< 0.005	< 0.05	< 0.003	0.06
17-Nov-05	< 0.001	**38**	**1.8**	< 0.0004	–	6	5	–	–	–	–
29-Dec-06	< 0.003	**36**	**2.2**	< 0.0004	< 0.030	4.9	13	< 0.005	< 0.05	< 0.003	0.23
27-Jun-07	< 0.001	**37**	**1.9**	< 0.0004	–	6.3	12	–	–	–	–
31-Oct-08	< 0.003	**49**	**3.3**	< 0.0004	< 0.030	6.8	12	< 0.005	< 0.05	< 0.003	< 0.01
1-Jun-09	< 0.003	**40**	**1.7**	–	–	6.5	11	–	–	–	–
20-Oct-10	–	*21*	*0.03*	–	–	*47*	***80***	–	–	–	–
15-Feb-11	–	**49**	**2.2**	–	–	7.6	13	–	–	–	–
30-Jun-11	–	**41**	**2.0**	–	–	6.7	13	–	–	–	–
26-Oct-12	–	**45**	**3.1**	–	–	7.1	16	–	–	–	–
6-Jun-13	< 0.02	**37**	**1.7**	–	–	5.5	8.5	–	–	–	–
28-Oct-14	–	**47**	**2.8**	–	0.006	7.0	16	–	–	–	< 0.01
5-May-15	< 0.003	**35**	**1.2**	–	–	6.2	71	–	–	–	–
2-Nov-16	–	**45**	**0.7**	–	–	7.8	14	–	–	–	–
15-Jun-17	< 0.005	**41**	**3.1**	–	–	7.2	12	–	–	–	–
9-Oct-18	< 0.005	**39**	**12.4**	–	–	5.5	15	–	–	–	–
19-Jun-19	< 0.005	30	**24.3**	–	< 0.040	6.0	13	–	–	–	0.04
3-Dec-20	< 0.005	**42**	**2.8**	–	< 0.040	6.2	17	< 0.01	< 0.01	< 0.01	< 0.02

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd	(mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu	(mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01		–	0.05	0.05		0.2	0.3
MW-8S													
29-Mar-96	–	–	–	–	–	–		–	–	–		–	–
20-Jun-96	–	–	–	–	–	–		–	–	–		–	–
5-Sep-96	–	–	–	–	–	–		–	–	–		–	–
12-Dec-96	–	–	–	–	–	–		–	–	–		–	–
28-Mar-97	–	–	–	–	–	–		–	–	–		–	–
3-Jun-97	–	–	–	–	–	–		–	–	–		–	–
30-Sep-97	–	–	–	–	–	–		–	–	–		–	–
9-Dec-97	–	–	–	–	–	–		–	–	–		–	–
30-Mar-98	–	–	–	–	–	–		–	–	–		–	–
22-Oct-98	–	–	–	–	–	–		–	–	–		–	–
10-Jun-99	–	–	–	–	–	–		–	–	–		–	–
7-Oct-99	–	–	–	–	–	–		–	–	–		–	–
11-May-00	–	–	–	–	–	–		–	–	–		–	–
19-Oct-00	–	–	–	–	–	–		–	–	–		–	–
6-Jun-01	–	–	–	–	–	–		–	–	–		–	–
12-Nov-01	–	–	–	–	–	–		–	–	–		–	–
31-May-02	–	–	–	–	–	–		–	–	–		–	–
21-Nov-02	–	–	–	–	–	–		–	–	–		–	–
16-May-03	–	–	–	–	–	–		–	–	–		–	–
18-Dec-03	–	–	–	–	–	–		–	–	–		–	–
27-May-04	–	–	–	–	–	–		–	–	–		–	–
14-Dec-04	–	–	–	–	–	–		–	–	–		–	–
11-May-05	–	–	–	–	–	–		–	–	–		–	–
17-Nov-05	–	–	–	–	–	–		–	–	–		–	–
29-Dec-06	–	–	–	–	–	–		–	–	–		–	–
27-Jun-07	–	–	–	–	–	–		–	–	–		–	–
31-Oct-08	–	–	–	–	–	–		–	–	–		–	–
1-Jun-09	–	–	–	–	–	–		–	–	–		–	–
20-Oct-10	–	–	–	–	–	–		–	–	–		–	–
15-Feb-11	–	–	–	–	–	–		–	–	–		–	–
30-Jun-11	–	–	–	–	–	–		–	–	–		–	–
26-Oct-12	–	–	–	–	–	–		–	–	–		–	–
6-Jun-13	–	–	–	–	–	–		–	–	–		–	–
28-Oct-14	–	–	–	–	–	–		–	–	–		–	–
5-May-15	–	–	–	–	–	–		–	–	–		–	–
2-Nov-16	–	–	–	–	–	–		–	–	–		–	–
15-Jun-17	–	–	–	–	–	–		–	–	–		–	–
9-Oct-18	–	–	–	–	–	–		–	–	–		–	–
19-Jun-19	–	–	–	–	–	–		–	–	–		–	–
3-Dec-20	–	–	–	–	–	–		–	–	–		–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-8S											
29-Mar-96	–	–	–	–	–	–	–	–	–	–	–
20-Jun-96	–	–	–	–	–	–	–	–	–	–	–
5-Sep-96	–	–	–	–	–	–	–	–	–	–	–
12-Dec-96	–	–	–	–	–	–	–	–	–	–	–
28-Mar-97	–	–	–	–	–	–	–	–	–	–	–
3-Jun-97	–	–	–	–	–	–	–	–	–	–	–
30-Sep-97	–	–	–	–	–	–	–	–	–	–	–
9-Dec-97	–	–	–	–	–	–	–	–	–	–	–
30-Mar-98	–	–	–	–	–	–	–	–	–	–	–
22-Oct-98	–	–	–	–	–	–	–	–	–	–	–
10-Jun-99	–	–	–	–	–	–	–	–	–	–	–
7-Oct-99	–	–	–	–	–	–	–	–	–	–	–
11-May-00	–	–	–	–	–	–	–	–	–	–	–
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
18-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	–	–	–	–	–	–	–	–	–	–	–
14-Dec-04	–	–	–	–	–	–	–	–	–	–	–
11-May-05	–	–	–	–	–	–	–	–	–	–	–
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
29-Dec-06	–	–	–	–	–	–	–	–	–	–	–
27-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Oct-08	–	–	–	–	–	–	–	–	–	–	–
1-Jun-09	–	–	–	–	–	–	–	–	–	–	–
20-Oct-10	–	–	–	–	–	–	–	–	–	–	–
15-Feb-11	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
26-Oct-12	–	–	–	–	–	–	–	–	–	–	–
6-Jun-13	–	–	–	–	–	–	–	–	–	–	–
28-Oct-14	–	–	–	–	–	–	–	–	–	–	–
5-May-15	–	–	–	–	–	–	–	–	–	–	–
2-Nov-16	–	–	–	–	–	–	–	–	–	–	–
15-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Oct-18	–	–	–	–	–	–	–	–	–	–	–
19-Jun-19	–	–	–	–	–	–	–	–	–	–	–
3-Dec-20	–	–	–	–	–	–	–	–	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

ORGANIC PARAMETERS (DETECTED)

GROUND WATER		Dichlorodiflouro-methane (ug/l)	Methylene Chloride (ug/l)	Chloroform (ug/l)	Chloromethane (ug/l)	Total Xylenes (ug/l)	TOTAL COMPOUNDS
6NYCRR Part 703 GROUNDWATER STANDARD	ANALYSIS METHOD	5	5	7	5	5	
MW-8S	Method						
29-Mar-96	–	–	–	–	–	–	–
20-Jun-96	(EPA 601/602)	5	< 5	< 1	< 1	< 1	5
5-Sep-96	–	–	–	–	–	–	–
12-Dec-96	–	–	–	–	–	–	–
28-Mar-97	–	–	–	–	–	–	–
3-Jun-97	–	–	–	–	–	–	–
30-Sep-97	(EPA 601/602)	2	< 5	< 1	< 1	< 1	2
9-Dec-97	–	–	–	–	–	–	–
30-Mar-98	–	–	–	–	–	–	–
22-Oct-98	(EPA 601/602)	1	< 5	< 1	< 1	< 1	1
10-Jun-99	(EPA 601/602)	< 1	**12**	1	< 1	< 1	13
7-Oct-99	–	–	–	–	–	–	–
11-May-00	–	–	–	–	–	–	–
19-Oct-00	(EPA 601/602)	< 1	< 5	< 1	< 1	2	2
6-Jun-01	(EPA 601/602)	< 1	< 5	< 1	**4**	< 1	4
12-Nov-01	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–
21-Nov-02	(EPA 601/602)	< 1	< 5	< 1	< 1	< 1	0
16-May-03	(EPA 601/602)	< 1	< 5	< 1	< 1	< 1	0
18-Dec-03	–	–	–	–	–	–	–
27-May-04	–	–	–	–	–	–	–
14-Dec-04	–	–	–	–	–	–	–
11-May-05	(EPA 601/602)	< 1	< 5	< 1	< 1	< 1	0
17-Nov-05	–	–	–	–	–	–	–
29-Dec-06	(EPA 601/602)	< 1	< 5	< 1	< 1	< 1	0
27-Jun-07	–	–	–	–	–	–	–
31-Oct-08	(EPA 601/602)	< 1	< 1	< 1	< 1	< 1	0
1-Jun-09	–	–	–	–	–	–	–
20-Oct-10	–	–	–	–	–	–	–
15-Feb-11	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–
26-Oct-12	–	–	–	–	–	–	–
6-Jun-13	–	–	–	–	–	–	–
28-Oct-14	–	–	–	–	–	–	–
5-May-15	–	–	–	–	–	–	–
15-Jun-17	–	–	–	–	–	–	–
9-Oct-18	–	–	–	–	–	–	–
19-Jun-19	–	–	–	–	–	–	–
3-Dec-20	–	–	–	–	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	FIELD PARAMETERS				INORGANIC PARAMETERS					
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l $CaCO_3$)	HARD. (mg/l $CaCO_3$)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	–	–	6.5-8.5	–	15	5	–	–	500	250
MW-8D										
29-Mar-96	48	-80	7.2	2300	–	**28**	160	1000	**1900**	90
20-Jun-96	55	120	7.4	1900	**22**	**14**	140	990	**1900**	86
5-Sep-96	55	–	7.4	1900	–	**13**	160	1200	**2000**	98
12-Dec-96	48	-60	7	1800	–	3	150	970	**2100**	120
28-Mar-97	46	10	6.9	1700	–	**10**	150	1100	**2200**	130
3-Jun-97	52	-10	7.1	2300	–	**6**	130	1200	**2200**	130
30-Sep-97	52	< -80	7.1	2400	**20**	**11**	120	1200	**2200**	150
9-Dec-97	46	105	7.4	2800	–	**14**	150	1000	**2100**	130
30-Mar-98	54	-65	7.1	1600	–	4	140	1100	**2100**	130
22-Oct-98	50	< -80	7.2	1600	< 5	**7**	140	430	**2200**	130
10-Jun-99	55	< -80	**7**	2500	**19**	**37**	150	1100	**2000**	160
7-Oct-99	48	-60	7.2	2200	–	**6**	150	1400	**2200**	160
11-May-00	55	-70	7.8	2900	–	3	150	1100	**2000**	200
19-Oct-00	54	< -80	7.3	1608	**22**	**12**	140	1200	**1800**	120
6-Jun-01	57	-60	7.4	1838	**20**	**7**	120	860	**2000**	110
12-Nov-01	55	-34	7.6	1787	–	**34**	140	–	**2100**	200
31-May-02	57	-51	7.6	1851	–	**9**	130	990	**2000**	160
21-Nov-02	51	-36	**7.1**	1683	**24**	**37**	140	930	**2200**	150
16-May-03	51	-20	7.2	1633	10	**7**	150	1200	**2100**	170
18-Dec-03	46	-19	7.3	657	–	**16**	160	940	**1800**	74
27-May-04	54	-34	7.1	2220	–	**6**	230	900	**1850**	119
14-Dec-04	47	-52	8.1	1779	–	**116**	320	950	**2180**	143
11-May-05	55	-39	7.3	2220	**100**	**7**	140	900	**1740**	131
17-Nov-05	49	-45	7.3	2500	–	4	200	970	**2040**	78
29-Dec-06	42	-10	7.4	1860	**25**	**12**	130	1100	**1740**	126
27-Jun-07	54	-62	7.1	992	–	**9**	110	1100	**1740**	133
31-Oct-08	51	-22	7.4	1472	**20**	**12**	110	1100	**1590**	126
1-Jun-09	51	185	7.2	1429	–	**40**	110	1300	**2100**	181
20-Oct-10	*50*	*23*	*7.0*	*915*	–	***54***	*540*	*610*	***650***	*16*
15-Feb-11	49	21	7.6	1609	–	**8**	82	1300	**2000**	139
30-Jun-11	53	-97	7.4	2250	–	**7**	130	1100	**1800**	121
26-Oct-12	59	98	6.6	2594	–	**19**	120	1700	**2100**	165
6-Jun-13	57	-33	7.4	2520	–	**16**	124	1031	**2156**	215
28-Oct-14	52	-69	7.5	2320	–	**70**	127	1120	**1780**	86
5-May-15	59	-56	7.6	2190	–	**25**	125	1600	**2000**	145
2-Nov-16	56	52	7.6	2260	–	**20**	134	1280	**1760**	110
15-Jun-17	63	23	7.2	1949	–	**11**	146	1340	1720	103
9-Oct-18	66	-12	7.3	2310	–	**16**	140	1100	**1750**	107
19-Jun-19	58	-90	7.3	2360	–	**9**	125	1170	**1620**	182

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	FIELD PARAMETERS				INORGANIC PARAMETERS					
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l $CaCO_3$)	HARD. (mg/l $CaCO_3$)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	–	–	6.5-8.5	–	15	5	–	–	500	250
MW-8D										
29-Mar-96	48	-80	7.2	2300	–	**28**	160	1000	**1900**	90
20-Jun-96	55	120	7.4	1900	**22**	**14**	140	990	**1900**	86
5-Sep-96	55	–	7.4	1900	–	**13**	160	1200	**2000**	98
12-Dec-96	48	-60	7	1800	–	3	150	970	**2100**	120
28-Mar-97	46	10	6.9	1700	–	**10**	150	1100	**2200**	130
3-Jun-97	52	-10	7.1	2300	–	**6**	130	1200	**2200**	130
30-Sep-97	52	< -80	7.1	2400	**20**	**11**	120	1200	**2200**	150
9-Dec-97	46	105	7.4	2800	–	**14**	150	1000	**2100**	130
30-Mar-98	54	-65	7.1	1600	–	4	140	1100	**2100**	130
22-Oct-98	50	< -80	7.2	1600	< 5	**7**	140	430	**2200**	130
10-Jun-99	55	< -80	**7**	2500	**19**	**37**	150	1100	**2000**	160
7-Oct-99	48	-60	7.2	2200	–	**6**	150	1400	**2200**	160
11-May-00	55	-70	7.8	2900	–	3	150	1100	**2000**	200
19-Oct-00	54	< -80	7.3	1608	**22**	**12**	140	1200	**1800**	120
6-Jun-01	57	-60	7.4	1838	**20**	**7**	120	860	**2000**	110
12-Nov-01	55	-34	7.6	1787	–	**34**	140	–	**2100**	200
31-May-02	57	-51	7.6	1851	–	**9**	130	990	**2000**	160
21-Nov-02	51	-36	**7.1**	1683	**24**	**37**	140	930	**2200**	150
16-May-03	51	-20	7.2	1633	10	**7**	150	1200	**2100**	170
18-Dec-03	46	-19	7.3	657	–	**16**	160	940	**1800**	74
27-May-04	54	-34	7.1	2220	–	**6**	230	900	**1850**	119
14-Dec-04	47	-52	8.1	1779	–	**116**	320	950	**2180**	143
11-May-05	55	-39	7.3	2220	**100**	**7**	140	900	**1740**	131
17-Nov-05	49	-45	7.3	2500	–	4	200	970	**2040**	78
29-Dec-06	42	-10	7.4	1860	**25**	**12**	130	1100	**1740**	126
27-Jun-07	54	-62	7.1	992	–	**9**	110	1100	**1740**	133
31-Oct-08	51	-22	7.4	1472	**20**	**12**	110	1100	**1590**	126
1-Jun-09	51	185	7.2	1429	–	**40**	110	1300	**2100**	181
20-Oct-10	*50*	*23*	*7.0*	*915*	–	***54***	*540*	*610*	***650***	*16*
15-Feb-11	49	21	7.6	1609	–	**8**	82	1300	**2000**	139
30-Jun-11	53	-97	7.4	2250	–	**7**	130	1100	**1800**	121
26-Oct-12	59	98	6.6	2594	–	**19**	120	1700	**2100**	165
6-Jun-13	57	-33	7.4	2520	–	**16**	124	1031	**2156**	215
28-Oct-14	52	-69	7.5	2320	–	**70**	127	1120	**1780**	86
5-May-15	59	-56	7.6	2190	–	**25**	125	1600	**2000**	145
2-Nov-16	56	52	7.6	2260	–	**20**	134	1280	**1760**	110
15-Jun-17	63	23	7.2	1949	–	**11**	146	1340	1720	103
9-Oct-18	66	-12	7.3	2310	–	**16**	140	1100	**1750**	107
19-Jun-19	58	-90	7.3	2360	–	**9**	125	1170	**1620**	182
3-Dec-20	55	-156	8.9	1613	–	**75**	222	---	**1390**	62

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	–	–	–	–	0.005	0.1
MW-8D										
29-Mar-96	880	–	< 0.2	3	–	–	< 20	2	< 0.005	–
20-Jun-96	1200	3.2	< 0.2	2.9	3.3	< 4	< 20	2	< 0.005	< 0.01
5-Sep-96	1100	–	< 0.2	3	–	–	< 20	1	< 0.005	–
12-Dec-96	1200	–	< 0.2	3.2	–	–	< 20	1	< 0.005	–
28-Mar-97	1100	–	< 0.2	3.5	–	–	< 20	< 1	< 0.005	–
3-Jun-97	1300	–	< 0.2	3.2	–	–	< 20	< 1	< 0.005	–
30-Sep-97	1100	2.9	< 0.2	3.3	3.2	< 4	< 20	< 1	< 0.005	< 0.01
9-Dec-97	1100	–	< 0.2	2.5	–	–	< 20	< 1	< 0.005	–
30-Mar-98	950	–	< 0.2	3.5	–	–	< 20	< 1	< 0.005	–
22-Oct-98	1100	3.5	< 0.2	3.3	3.2	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	980	2.9	< 0.2	3.8	3.8	< 4	< 20	< 1	< 0.005	< 0.01
7-Oct-99	1100	–	< 0.2	3.6	–	–	< 20	< 1	< 0.005	–
11-May-00	**920**	–	< 0.2	**3.4**	–	–	< 20	< 1	< 0.005	–
19-Oct-00	**980**	**3.5**	< 0.2	**3.2**	2.8	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	**1200**	**3.2**	< 0.2	**3.8**	3.8	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	**1300**	–	< 0.2	**3.9**	–	–	< 20	< 1	< 0.005	–
31-May-02	**1100**	–	< 0.2	**3.6**	–	–	< 20	< 3	< 0.005	–
21-Nov-02	**1300**	**3**	< 0.2	**2.6**	3.4	< 4	< 20	< 3	< 0.005	< 0.01
16-May-03	**890**	**3.6**	< 0.2	**3.3**	3.4	< 4	< 20	< 3	< 0.005	< 0.01
18-Dec-03	220	–	< 0.2	**2.5**	–	–	< 20	< 3	< 0.005	–
27-May-04	**859**	–	< 0.2	4	–	–	< 20	< 3	< 0.005	–
14-Dec-04	**2250**	–	< 0.2	**6.6**	–	–	< 20	< 3	< 0.005	–
11-May-05	**790**	3	0.3	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
17-Nov-05	**921**	–	< 0.2	**3.1**	–	–	< 20	< 3	< 0.005	–
29-Dec-06	**716**	**3.7**	< 0.2	< 0.5	< 0.5	6	< 20	< 3	< 0.005	< 0.01
27-Jun-07	153	–	0.2	**3.1**	–	–	< 20	< 3	< 0.005	–
31-Oct-08	**952**	**3.7**	1.4	**2.7**	2.8	< 4	< 20	< 3	< 0.005	< 0.01
1-Jun-09	**1320**	–	< 0.2	**3.7**	–	–	< 20	< 3	< 0.005	–
20-Oct-10	*29.5*	–	*< 0.2*	*0.6*	–	–	*20*	–	–	–
15-Feb-11	**1400**	–	–	–	–	–	–	–	–	–
30-Jun-11	**1030**	–	–	–	–	–	–	–	–	–
26-Oct-12	**949**	**4.0**	–	3.6	–	–	–	–	–	–
6-Jun-13	**1035**	–	–	< 0.05	–	–	5	< 1.0	< 0.010	–
28-Oct-14	**976**	**3.7**	–	**3.0**	3.0	–	< 10	–	< 0.005	< 0.01
5-May-15	**1240**	–	< 0.1	**3.9**	–	–	< 10	–	< 0.005	–
2-Nov-16	<5	**4.0**	< 0.05	**4.1**	3.6	–	19	< 1.0	< 0.005	< 0.01
15-Jun-17	**942**	–	< 0.05	**3.9**	–	–	28	< 1.0	< 0.005	–
9-Oct-18	**1090**	–	0.13	**3.7**	–	–	16	< 1.0	< 0.005	–
19-Jun-19	**1370**	**3.7**	< 0.05	**3.9**	–	< 4	< 10	< 1.0	< 0.010	–
3-Dec-20	< 25	**2.6**	3.3	**0.83**	< 0.50	< 2	< 2.0	1.5	< 0.005	< 0.01

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-8D											
29-Mar-96	–	–	0.024	< 0.3	–	< 0.005	370	–	–	–	**3.6**
20-Jun-96	0.19	< 0.003	0.024	< 0.3	< 0.005	< 0.005	370	< 0.05	< 0.01	< 0.02	**3.6**
5-Sep-96	–	–	0.022	< 0.3	–	< 0.005	440	–	–	–	**4.1**
12-Dec-96	–	–	**0.043**	< 0.3	–	< 0.005	360	–	–	–	**2.8**
28-Mar-97	–	–	0.008	< 0.3	–	0.006	400	–	–	–	**3.3**
3-Jun-97	–	–	0.014	< 0.3	–	< 0.005	430	–	–	–	**3.5**
30-Sep-97	0.05	< 0.003	0.017	< 0.3	< 0.005	< 0.005	430	< 0.05	< 0.01	< 0.02	**3.5**
9-Dec-97	–	–	0.016	< 0.3	–	< 0.005	380	–	–	–	**3**
30-Mar-98	–	–	0.012	< 0.3	–	< 0.005	430	–	–	–	**3**
22-Oct-98	0.17	< 0.003	0.014	< 0.3	< 0.005	0.005	140	< 0.05	< 0.01	0.02	**3.1**
10-Jun-99	0.18	< 0.003	0.012	< 0.3	< 0.005	< 0.005	400	< 0.05	< 0.01	0.02	**2.7**
7-Oct-99	–	–	–	–	–	< 0.005	510	–	–	–	**3.5**
11-May-00	–	–	–	–	–	< 0.005	390	–	–	–	**3**
19-Oct-00	0.14	< 0.003	0.017	< 0.3	< 0.005	0.006	450	< 0.05	< 0.01	0.03	**3.2**
6-Jun-01	0.08	< 0.003	0.01	< 0.3	< 0.005	< 0.005	320	< 0.05	< 0.01	< 0.02	**2.9**
12-Nov-01	–	–	< 0.010	< 0.3	–	< 0.005	320	–	–	–	**2.9**
31-May-02	–	–	0.013	< 0.3	–	< 0.005	370	–	–	–	**2.7**
21-Nov-02	0.17	< 0.003	0.017	< 0.3	< 0.005	< 0.005	350	< 0.05	< 0.01	0.03	**2.9**
16-May-03	0.24	**0.015**	0.015	< 0.3	< 0.005	0.007	440	< 0.05	< 0.01	0.02	**3.3**
18-Dec-03	–	–	**0.03**	< 0.3	–	< 0.005	350	–	–	–	**5.1**
27-May-04	–	–	0.011	< 0.3	–	< 0.005	340	–	–	–	**3.4**
14-Dec-04	–	–	**0.098**	< 0.3	–	0.008	350	–	–	–	**8.5**
11-May-05	0.13	< 0.003	0.02	< 0.3	< 0.005	< 0.005	340	< 0.05	< 0.01	0.042	**2.8**
17-Nov-05	–	–	0.015	< 0.3	–	< 0.005	360	–	–	–	**2.7**
29-Dec-06	0.29	< 0.003	0.017	< 0.3	< 0.005	< 0.005	410	< 0.05	< 0.01	< 0.02	**4.3**
27-Jun-07	–	–	0.011	< 0.3	–	< 0.005	390	–	–	–	**3.3**
31-Oct-08	< 0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	420	< 0.05	< 0.01	< 0.02	0.3
1-Jun-09	–	–	–	–	–	< 0.005	480	–	–	–	**2.3**
20-Oct-10	–	–	–	–	–	–	*180*	–	–	–	***5.3***
15-Feb-11	–	–	–	–	–	–	490	–	–	–	**3.4**
30-Jun-11	–	–	–	–	–	–	420	–	–	–	**3.7**
26-Oct-12	–	–	–	–	–	–	480	–	–	–	**4.1**
6-Jun-13	–	–	–	–	–	< 0.005	413	–	–	–	**3.2**
28-Oct-14	–	–	0.03	0.01	–	–	419	–	–	–	**5.1**
5-May-15	–	–	–	–	–	< 0.005	438	–	–	–	**3.9**
2-Nov-16	–	–	–	–	–	< 0.0025	509	–	–	–	**0.5**
15-Jun-17	–	–	–	–	–	< 0.0025	543	–	–	–	**0.7**
9-Oct-18	–	–	–	–	–	< 0.0025	428	–	–	–	**1.3**
19-Jun-19	< 0.2	< 0.010	< 0.010	< 0.2	< 0.005	< 0.0025	439	< 0.01	–	< 0.025	**1.2**
3-Dec-20	0.68	< 0.060	< 0.010	< 0.2	< 0.005	< 0.0025	272	< 0.01	–	< 0.025	**6.5**

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-8D											
29-Mar-96	< 0.001	18	0.08	< 0.0004	–	54	**54**	–	–	–	–
20-Jun-96	0.007	17	0.07	0.0008	< 0.03	43	**49**	0.002	< 0.05	< 0.003	0.03
5-Sep-96	0.002	22	0.08	< 0.0004	–	21	**53**	–	–	–	–
12-Dec-96	< 0.001	16	0.06	< 0.0004	–	47	**68**	–	–	–	–
28-Mar-97	< 0.001	18	0.07	< 0.0004	–	40	**60**	–	–	–	–
3-Jun-97	0.002	20	0.08	< 0.0004	–	66	**70**	–	–	–	–
30-Sep-97	< 0.001	20	0.08	< 0.0004	< 0.03	66	**94**	< 0.001	< 0.05	< 0.003	< 0.01
9-Dec-97	0.003	16	0.07	< 0.0004	–	68	**93**	–	–	–	–
30-Mar-98	< 0.001	18	0.07	< 0.0004	–	58	**82**	–	–	–	–
22-Oct-98	< 0.001	19	0.09	< 0.0004	0.07	56	**83**	< 0.001	< 0.05	< 0.003	0.04
10-Jun-99	< 0.001	17	0.07	< 0.0004	0.05	57	**75**	< 0.001	< 0.05	< 0.003	0.02
7-Oct-99	0.003	22	0.08	–	–	56	**84**	–	–	–	–
11-May-00	< 0.001	19	0.07	–	–	45	**78**	–	–	–	–
19-Oct-00	< 0.001	18	0.07	< 0.0004	0.07	47	**66**	< 0.001	**0.07**	**0.05**	< 0.01
6-Jun-01	0.001	16	0.06	< 0.0004	< 0.03	58	**77**	< 0.001	< 0.05	< 0.003	0.01
12-Nov-01	< 0.001	14	0.06	< 0.0004	–	49	**73**	–	–	–	–
31-May-02	0.002	17	0.06	< 0.0004	–	48	**77**	–	–	–	–
21-Nov-02	< 0.001	15	0.06	< 0.0004	< 0.03	37	**59**	< 0.005	< 0.05	< 0.003	0.01
16-May-03	< 0.001	19	0.08	< 0.0004	0.06	51	**74**	< 0.005	< 0.05	**0.007**	0.03
18-Dec-03	< 0.001	16	0.07	< 0.0004	–	48	**55**	–	–	–	–
27-May-04	< 0.001	15	0.06	< 0.0004	–	44	**53**	–	–	–	–
14-Dec-04	0.002	18	0.13	< 0.0004	–	47	**69**	–	–	–	–
11-May-05	< 0.001	16	0.07	< 0.0004	< 0.03	47	**67**	< 0.005	< 0.05	< 0.003	< 0.1
17-Nov-05	< 0.002	16	0.14	< 0.0004	–	38	**54**	–	–	–	–
29-Dec-06	< 0.003	19	0.1	< 0.0004	< 0.03	56	**67**	< 0.005	< 0.05	**0.012**	**1.8**
27-Jun-07	< 0.002	18	0.09	< 0.0004	–	60	**72**	–	–	–	–
31-Oct-08	< 0.003	21	< 0.02	< 0.0004	< 0.03	49	**81**	< 0.005	< 0.05	< 0.003	< 0.01
1-Jun-09	< 0.003	19	0.08	–	–	48	**110**	–	–	–	–
20-Oct-10	–	***39***	***1.4***	–	–	*8*	*13*	–	–	–	–
15-Feb-11	–	21	0.08	–	–	63	**100**	–	–	–	–
30-Jun-11	–	19	0.07	–	–	41	**83**	–	–	–	–
26-Oct-12	–	23	0.1	–	–	30	**140**	–	–	–	–
6-Jun-13	< 0.02	19	0.07	–	–	58	**83**	–	–	–	–
28-Oct-14	–	19	0.09	–	0.006	58	**69**	–	–	–	< 0.01
5-May-15	< 0.003	20	0.09	–	–	67	**86**	–	–	–	–
2-Nov-16	< 0.005	21	0.1	–	–	67	**98**	–	–	–	–
15-Jun-17	< 0.005	22	0.1	–	–	70	**103**	–	–	–	–
9-Oct-18	< 0.005	18	0.11	–	–	57	**80**	–	–	–	–
19-Jun-19	< 0.005	19	0.09	–	< 0.04	59	**87**	< 0.01	–	–	< 0.02
3-Dec-20	< 0.005	27	**0.34**	–	< 0.04	38	**73**	< 0.01	< 0.01	< 0.01	< 0.02

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-8D											
29-Mar-96	–	–	–	–	–	–	–	–	–	–	–
20-Jun-96	–	–	–	–	–	–	–	–	–	–	–
5-Sep-96	–	–	–	–	–	–	–	–	–	–	–
12-Dec-96	–	–	–	–	–	–	–	–	–	–	–
28-Mar-97	–	–	–	–	–	–	–	–	–	–	–
3-Jun-97	–	–	–	–	–	–	–	–	–	–	–
30-Sep-97	–	–	–	–	–	–	–	–	–	–	–
9-Dec-97	–	–	–	–	–	–	–	–	–	–	–
30-Mar-98	–	–	–	–	–	–	–	–	–	–	–
22-Oct-98	–	–	–	–	–	–	–	–	–	–	–
10-Jun-99	–	–	–	–	–	–	–	–	–	–	–
7-Oct-99	–	–	–	–	–	–	–	–	–	–	–
11-May-00	–	–	–	–	–	–	–	–	–	–	–
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
18-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	–	–	–	–	–	–	–	–	–	–	–
14-Dec-04	–	–	0.015	< 0.3	–	< 0.005	380	–	–	–	3
11-May-05	–	–	–	–	–	–	–	–	–	–	–
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
29-Dec-06	–	–	–	–	–	–	–	–	–	–	–
27-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Oct-08	–	–	–	–	–	–	–	–	–	–	–
1-Jun-09	–	–	–	–	–	–	–	–	–	–	–
20-Oct-10	–	–	–	–	–	–	–	–	–	–	–
15-Feb-11	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
26-Oct-12	–	–	–	–	–	–	–	–	–	–	–
6-Jun-13	–	–	–	–	–	–	–	–	–	–	–
28-Oct-14	–	–	–	–	–	–	–	–	–	–	–
5-May-15	–	–	–	–	–	–	–	–	–	–	–
2-Nov-16	–	–	–	–	–	–	–	–	–	–	–
15-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Oct-18	–	–	–	–	–	–	–	–	–	–	–
19-Jun-19	–	–	–	–	–	–	–	–	–	–	–
3-Dec-20	< 0.2	< 0.060	< 0.010	< 0.2	< 0.005	< 0.0025	287	< 0.01	–	< 0.025	**0.5**

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-8D											
29-Mar-96	–	–	–	–	–	–	–	–	–	–	–
20-Jun-96	–	–	–	–	–	–	–	–	–	–	–
5-Sep-96	–	–	–	–	–	–	–	–	–	–	–
12-Dec-96	–	–	–	–	–	–	–	–	–	–	–
28-Mar-97	–	–	–	–	–	–	–	–	–	–	–
3-Jun-97	–	–	–	–	–	–	–	–	–	–	–
30-Sep-97	–	–	–	–	–	–	–	–	–	–	–
9-Dec-97	–	–	–	–	–	–	–	–	–	–	–
30-Mar-98	–	–	–	–	–	–	–	–	–	–	–
22-Oct-98	–	–	–	–	–	–	–	–	–	–	–
10-Jun-99	–	–	–	–	–	–	–	–	–	–	–
7-Oct-99	–	–	–	–	–	–	–	–	–	–	–
11-May-00	–	–	–	–	–	–	–	–	–	–	–
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
18-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	–	–	–	–	–	–	–	–	–	–	–
14-Dec-04	–	16	0.07	–	–	48	73	–	–	–	–
11-May-05	–	–	–	–	–	–	–	–	–	–	–
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
29-Dec-06	–	–	–	–	–	–	–	–	–	–	–
27-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Oct-08	–	–	–	–	–	–	–	–	–	–	–
1-Jun-09	–	–	–	–	–	–	–	–	–	–	–
20-Oct-10	–	–	–	–	–	–	–	–	–	–	–
15-Feb-11	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
26-Oct-12	–	–	–	–	–	–	–	–	–	–	–
6-Jun-13	–	–	–	–	–	–	–	–	–	–	–
28-Oct-14	–	–	–	–	–	–	–	–	–	–	–
5-May-15	–	–	–	–	–	–	–	–	–	–	–
2-Nov-16	–	–	–	–	–	–	–	–	–	–	–
15-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Oct-18	–	–	–	–	–	–	–	–	–	–	–
19-Jun-19	–	–	–	–	–	–	–	–	–	–	–
3-Dec-20	< 0.005	26	0.09	–	< 0.04	40	66	< 0.01	< 0.01	< 0.01	< 0.02

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

ORGANIC PARAMETERS (DETECTED)

GROUND WATER		Toulene (ug/l)	TOTAL COMPOUNDS
6NYCRR Part 703 GROUNDWATER STANDARD	ANALYSIS METHOD	5	
MW-8D	Method		
29-Mar-96	–	–	–
20-Jun-96	(EPA 601/602)	< 1	0
5-Sep-96	–	–	–
12-Dec-96	–	–	–
28-Mar-97	–	–	–
3-Jun-97	–	–	–
30-Sep-97	(EPA 601/602)	< 1	0
9-Dec-97	–	–	–
30-Mar-98	–	–	–
22-Oct-98	(EPA 601/602)	< 1	0
10-Jun-99	(EPA 601/602)	4	4
7-Oct-99	–	–	–
11-May-00	–	–	–
19-Oct-00	(EPA 601/602)	< 1	0
6-Jun-01	(EPA 601/602)	< 1	0
12-Nov-01	–	–	–
31-May-02	–	–	–
21-Nov-02	(EPA 601/602)	< 1	0
16-May-03	(EPA 601/602)	< 1	0
18-Dec-03	–	–	–
27-May-04	–	–	–
14-Dec-04	–	–	–
11-May-05	(EPA 601/602)	< 1	0
17-Nov-05	–	–	–
29-Dec-06	(EPA 601/602)	< 1	0
27-Jun-07	–	–	–
31-Oct-08	(EPA 601/602)	< 1	0
1-Jun-09	–	–	–
20-Oct-10	–	–	–
15-Feb-11	–	–	–
30-Jun-11	–	–	–
26-Oct-12	–	–	–
6-Jun-13	–	–	–
5-May-15	–	–	–
2-Nov-16	–	–	–
15-Jun-17	–	–	–
9-Oct-18	–	–	–
19-Jun-19	–	–	–
3-Dec-20	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	FIELD PARAMETERS				INORGANIC PARAMETERS					
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l $CaCO_3$)	HARD. (mg/l $CaCO_3$)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	–	–	6.5-8.5	–	15	5	–	–	500	250
MW-9S										
29-Mar-96	45	-60	7.6	740	–	**38**	350	300	**400**	11
20-Jun-96	52	285	7.3	620	**90**	**85**	210	300	**370**	10
5-Sep-96	59	25	7.8	860	–	**182**	290	370	**430**	11
12-Dec-96	46	55	7.7	540	–	277	300	340	**410**	13
28-Mar-97	45	165	7.7	480	–	**40**	340	280	**390**	15
4-Jun-97	52	180	7.7	630	–	**48**	320	330	**400**	15
30-Sep-97	54	65	7.7	710	**16**	**12**	300	310	**480**	15
9-Dec-97	46	135	7.9	770	–	**49**	390	270	**420**	20
31-Mar-98	54	-50	7.6	740	–	409	280	320	**420**	18
22-Oct-98	52	< -80	7.4	660	12	**261**	290	360	**490**	21
10-Jun-99	12	< -30	**7.5**	740	**8**	**326**	290	320	**180**	28
7-Oct-99	46	55	7.5	870	–	**101**	310	410	**380**	23
11-May-00	54	10	8.3	1050	–	398	280	350	**400**	31
19-Oct-00	55	10	8	630	**12**	**22**	310	350	**440**	36
6-Jun-01	54	-71	7.5	572	**60**	**70**	270	300	**410**	31
12-Nov-01	49	-61	8.1	480	–	**45**	280	–	**420**	21
31-May-02	53	-72	8	531	–	**19**	290	290	**330**	24
21-Nov-02	51	-52	**7.3**	680	**11**	**16**	300	320	410	23
20-May-03	49	-49	7.7	557	14	**30**	310	310	**490**	40
18-Dec-03	47	-108	8.9	455	–	**10**	260	320	**480**	52
27-May-04	51	-61	7.6	846	–	**6**	240	230	**375**	48
14-Dec-04	49	-76	8.5	609	–	**16**	410	250	**498**	62
11-May-05	52	-50	7.7	694	**50**	**8**	290	280	**347**	44
17-Nov-05	49	-50	7.7	718	–	4	200	240	**527**	46
29-Dec-06	46	-17	7.7	633	**12**	**10**	260	280	**452**	53
27-Jun-07	53	-68	7.2	421	–	**32**	260	310	410	62
31-Oct-08	50	-43	7.8	613	**30**	**10**	250	410	400	64
1-Jun-09	47	163	7.7	319	–	**48**	230	300	390	54
20-Oct-10	53	91	8.0	690	–	**173**	260	390	490	63
30-Jun-11	51	-15	7.8	687	–	**10.2**	250	340	480	72
26-Oct-12	62	67	6.9	739	–	**79**	260	410	**620**	64
6-Jun-13	56	78	7.8	776	–	**122**	256	157	494	70
28-Oct-14	52	38	8.0	830	–	**37**	267	367	468	78
5-May-15	57	28	7.5	750	–	**98**	255	550	484	81
2-Nov-16	54	5	8.2	727	< 5.0	**20**	266	300	459	94
15-Jun-17	52	-30	7.4	670	–	**5.5**	298	400	463	72
9-Oct-18	66	-31	7.6	820	–	**25**	274	320	438	94
19-Jun-19	62	-31	7.3	822	–	**18**	274	300	454	104
3-Dec-20	59	-157	8.9	831	–	**800**	313	---	489	73

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	–	–	–	–	0.005	0.1
MW-9S										
29-Mar-96	54	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
20-Jun-96	82	< 0.1	< 0.2	< 0.5	< 0.5	< 4	< 20	2	< 0.005	< 0.01
5-Sep-96	85	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
12-Dec-96	85	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
28-Mar-97	70	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
4-Jun-97	84	–	< 0.2	< 0.5	–	–	< 20	3	< 0.005	–
30-Sep-97	71	< 0.1	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
9-Dec-97	61	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
31-Mar-98	62	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
22-Oct-98	76	< 0.1	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	66	< 0.1	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
7-Oct-99	68	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
11-May-00	67	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
19-Oct-00	56	< 0.1	0.3	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	120	< 0.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	83	–	< 0.2	0.8	–	–	< 20	< 1	< 0.005	–
31-May-02	42	–	< 0.2	< 0.5	–	–	< 20	4	< 0.005	–
21-Nov-02	48	< 0.5	1	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
20-May-03	45	< 0.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
18-Dec-03	68	–	< 0.2	< 0.5	–	–	28	3	< 0.005	–
27-May-04	34	–	1.4	< 0.5	–	–	21	5	< 0.005	–
14-Dec-04	48	–	0.9	< 0.5	–	–	21	3	< 0.005	–
11-May-05	35	< 0.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	**0.006**	< 0.01
17-Nov-05	28	–	1.8	< 0.5	–	–	21	3	< 0.005	–
29-Dec-06	23	< 0.5	1.5	< 0.5	< 0.5	4	< 20	3	< 0.005	< 0.01
27-Jun-07	61	–	0.3	< 0.5	–	–	< 20	4	< 0.005	–
31-Oct-08	36	< 0.5	1.1	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
1-Jun-09	51	–	0.4	< 0.5	–	–	< 20	< 3	< 0.005	–
20-Oct-10	51	–	< 0.2	–	–	–	–	–	–	–
30-Jun-11	43	–	0.6	–	–	–	–	–	–	–
26-Oct-12	47	–	–	–	–	–	–	–	–	–
6-Jun-13	49	–	< 0.05	< 0.01	–	–	< 5.0	< 1.0	< 0.010	–
28-Oct-14	50	–	0.12	–	0.6	–	< 10	1.2	< 0.005	< 0.01
5-May-15	54	–	< 0.1	< 0.1	–	–	< 10	–	< 0.005	–
2-Nov-16	67	–	< 0.05	< 0.1	0.25	–	< 10	1.6	< 0.005	< 0.01
15-Jun-17	44	–	< 0.05	< 0.1	–	–	238	1.2	< 0.005	–
9-Oct-18	81	–	< 0.05	< 0.1	–	–	18	< 1.0	0.008	–
19-Jun-19	72	< 0.05	< 0.05	0.11	–	–	< 10	2.6	< 0.010	–
3-Dec-20	52	0.054	**0.13**	< 0.1	0.76	< 4	61	1.6	< 0.005	< 0.01

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-9S											
29-Mar-96	–	–	0.002	< 0.3	–	< 0.005	52	–	–	–	**0.74**
20-Jun-96	0.55	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	49	< 0.05	< 0.01	< 0.02	**1.3**
5-Sep-96	–	–	0.001	< 0.3	–	< 0.005	63	–	–	–	**1.9**
12-Dec-96	–	–	0.001	< 0.3	–	< 0.005	60	–	–	–	**4.5**
28-Mar-97	–	–	0.002	< 0.3	–	< 0.005	48	–	–	–	**0.45**
3-Jun-97	–	–	0.001	< 0.3	–	< 0.005	56	–	–	–	**0.83**
30-Sep-97	0.25	< 0.003	0.003	< 0.3	< 0.005	< 0.005	53	< 0.05	< 0.01	< 0.02	**0.68**
9-Dec-97	–	–	0.002	< 0.3	–	< 0.005	49	–	–	–	0.14
30-Mar-98	–	–	0.002	< 0.3	–	< 0.005	61	–	–	–	**4.1**
22-Oct-98	5.1	< 0.003	0.003	< 0.3	< 0.005	< 0.005	64	< 0.05	< 0.01	0.02	**8.7**
10-Jun-99	1.6	< 0.003	0.001	< 0.3	< 0.005	< 0.005	57	< 0.05	< 0.01	< 0.02	**2.4**
7-Oct-99	–	–	–	–	–	< 0.005	73	–	–	–	**2.1**
11-May-00	–	–	–	–	–	< 0.005	61	–	–	–	**4.6**
19-Oct-00	0.26	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	63	< 0.05	< 0.01	< 0.02	**1.7**
6-Jun-01	0.89	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	51	< 0.05	< 0.01	< 0.02	**1.9**
12-Nov-01	–	–	< 0.010	< 0.3	–	< 0.005	55	–	–	–	**1.3**
31-May-02	–	–	< 0.010	< 0.3	–	< 0.005	48	–	–	–	**1.2**
21-Nov-02	0.58	< 0.003	< 0.010	< 0.3	< 0.005	0.005	55	< 0.05	< 0.01	< 0.02	**0.84**
16-May-03	0.35	< 0.003	< 0.010	< 0.3	< 0.005	0.007	53	< 0.05	< 0.01	< 0.02	**0.42**
18-Dec-03	–	–	< 0.010	< 0.3	–	< 0.005	68	–	–	–	**3.1**
27-May-04	–	–	< 0.010	< 0.3	–	< 0.005	48	–	–	–	**2.6**
14-Dec-04	–	–	0.02	< 0.3	–	< 0.005	66	–	–	–	**1.4**
11-May-05	0.38	< 0.003	0.011	< 0.3	< 0.005	< 0.005	48	< 0.05	< 0.01	0.09	**2**
17-Nov-05	–	–	< 0.010	< 0.3	–	< 0.005	64	–	–	–	0.28
29-Dec-06	0.15	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	73	< 0.05	< 0.01	< 0.02	**1.1**
27-Jun-07	–	–	< 0.010	< 0.3	–	< 0.005	59	–	–	–	**0.9**
31-Oct-08	0.09	**0.099**	0.01	< 0.3	< 0.005	< 0.005	63	< 0.05	< 0.01	< 0.02	**1.2**
1-Jun-09	–	–	–	–	–	< 0.005	58	–	–	–	**1.6**
20-Oct-10	–	–	–	–	–	–	73	–	–	–	**2.7**
30-Jun-11	–	–	–	–	–	–	69	–	–	–	**2.2**
26-Oct-12	0.9	–	–	–	–	–	83	–	–	–	**0.9**
6-Jun-13	–	–	–	–	–	< 0.005	63	–	–	–	**1.7**
28-Oct-14	0.19	–	–	0.07	–	–	62	–	–	–	**0.9**
5-May-15	–	–	–	–	–	< 0.005	63	–	–	–	**2.6**
2-Nov-16	1.9	–	–	–	–	< 0.0025	70	–	–	–	**3.4**
15-Jun-17	–	–	–	–	–	< 0.0025	66	–	–	–	**0.6**
9-Oct-18	–	–	–	–	–	< 0.0025	63	–	–	–	**1.4**
19-Jun-19	0.26	< 0.060	< 0.010	0.2	< 0.005	< 0.0025	63	< 0.01	–	< 0.025	**0.8**
3-Dec-20	8.2	< 0.060	< 0.010	< 0.2	< 0.005	< 0.0025	106	0.02	–	< 0.025	**21.2**

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-9S											
29-Mar-96	0.004	**41**	0.13	< 0.0004	–	1.7	17	–	–	–	–
20-Jun-96	0.003	**44**	0.15	0.0008	< 0.03	2.1	20	0.002	< 0.05	< 0.003	0.05
5-Sep-96	0.004	**52**	0.09	< 0.0004	–	2.5	18	–	–	–	–
12-Dec-96	0.003	**45**	0.17	< 0.0004	–	3.2	19	–	–	–	–
28-Mar-97	0.001	**39**	0.08	< 0.0004	–	1.6	18	–	–	–	–
3-Jun-97	0.005	**46**	0.13	< 0.0004	–	1.7	19	–	–	–	–
30-Sep-97	0.003	**44**	0.09	< 0.0004	< 0.03	1.8	**22**	< 0.001	< 0.05	< 0.003	< 0.01
9-Dec-97	0.002	**37**	0.04	< 0.0004	–	2.8	**28**	–	–	–	–
30-Mar-98	0.007	**41**	0.09	< 0.0004	–	3.6	**22**	–	–	–	–
22-Oct-98	< 0.001	**49**	0.27	< 0.0004	0.07	5.4	**20**	< 0.001	< 0.05	< 0.003	0.05
10-Jun-99	0.003	**43**	0.07	< 0.0004	< 0.03	4.6	**25**	< 0.001	< 0.05	< 0.003	0.05
7-Oct-99	0.009	**55**	0.09	–	–	3.1	**24**	–	–	–	–
11-May-00	0.004	**47**	0.12	–	–	4.2	**21**	–	–	–	–
19-Oct-00	0.006	**48**	0.13	< 0.0004	0.05	4.3	**22**	< 0.001	**< 0.05**	**0.013**	0.02
6-Jun-01	0.003	**42**	0.14	< 0.0004	< 0.03	4.6	**21**	< 0.001	< 0.05	< 0.003	0.01
12-Nov-01	< 0.001	**46**	0.11	< 0.0004	–	3.3	**21**	–	–	–	–
31-May-02	0.002	**42**	0.1	< 0.0004	–	2.3	19	–	–	–	–
21-Nov-02	0.007	**45**	0.06	< 0.0004	< 0.03	2.7	19	< 0.005	< 0.05	< 0.003	0.03
16-May-03	0.002	**42**	0.09	< 0.0004	0.04	1.8	19	< 0.005	< 0.05	< 0.003	0.03
18-Dec-03	< 0.001	**36**	0.18	< 0.0004	–	2.9	**33**	–	–	–	–
27-May-04	0.002	26	0.07	< 0.0004	–	1.4	**23**	–	–	–	–
14-Dec-04	0.002	22	0.19	< 0.0004	–	3	**25**	–	–	–	–
11-May-05	0.003	**40**	**0.44**	< 0.0004	0.05	2.8	**22**	< 0.005	< 0.05	< 0.003	0.05
17-Nov-05	< 0.001	20	**0.48**	< 0.0004	–	2.9	**23**	–	–	–	–
29-Dec-06	< 0.003	23	0.17	< 0.0004	< 0.03	2.4	**28**	< 0.005	< 0.05	**0.006**	0.26
27-Jun-07	< 0.001	**39**	0.08	< 0.0004	–	2.8	**27**	–	–	–	–
31-Oct-08	0.006	**62**	0.2	< 0.0004	< 0.03	2.6	**36**	< 0.005	< 0.05	< 0.003	< 0.01
1-Jun-09	< 0.003	**38**	0.1	–	–	2.9	**27**	–	–	–	–
20-Oct-10	–	**50**	0.21	–	–	3.6	**34**	–	–	–	–
30-Jun-11	–	**40**	0.11	–	–	3.6	**38**	–	–	–	–
26-Oct-12	–	**48**	0.02	–	–	3.5	**34**	–	–	–	–
6-Jun-13	< 0.02	**45**	0.06	–	–	3.1	**28**	–	–	–	–
28-Oct-14	–	**52**	0.08	–	–	2.5	**32**	–	–	–	–
5-May-15	< 0.003	**48**	0.08	–	–	< 5.0	**30**	–	–	–	–
2-Nov-16	< 0.005	**51**	0.17	–	–	< 5.0	**30**	–	–	–	–
15-Jun-17	< 0.005	**52**	0.09	–	–	< 5.0	**28**	–	–	–	–
9-Oct-18	< 0.005	**49**	0.07	–	–	< 5.0	**32**	–	–	–	–
19-Jun-19	< 0.005	**46**	0.12	–	< 0.04	< 5.0	**34**	–	–	–	< 0.02
3-Dec-20	< 0.005	**64**	0.63	–	0.06	6.7	**33**	< 0.01	< 0.01	< 0.01	0.028

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-9S											
29-Mar-96	–	–	–	–	–	–	–	–	–	–	–
20-Jun-96	0.06	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	50	< 0.05	–	< 0.02	**< 0.03**
5-Sep-96	–	–	< 0.001	< 0.3	–	< 0.005	60	–	–	–	**0.04**
12-Dec-96	–	–	< 0.001	< 0.3	–	< 0.005	44	–	–	–	**0.04**
28-Mar-97	–	–	–	–	–	–	–	–	–	–	–
3-Jun-97	–	–	–	–	–	–	–	–	–	–	–
30-Sep-97	–	–	–	–	–	–	–	–	–	–	–
9-Dec-97	–	–	–	–	–	–	–	–	–	–	–
30-Mar-98	–	–	< 0.001	< 0.3	–	< 0.005	52	–	–	–	**0.19**
22-Oct-98	0.14	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	48	< 0.05	–	< 0.02	**0.1**
10-Jun-99	0.07	< 0.003	< 0.001	0.3	< 0.005	< 0.005	54	< 0.05	–	< 0.02	**< 0.03**
7-Oct-99	–	–	–	–	–	< 0.005	59	–	–	–	**0.15**
11-May-00	–	–	–	–	–	< 0.005	47	–	–	–	**0.08**
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
18-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	–	–	–	–	–	–	–	–	–	–	–
14-Dec-04	–	–	0.015	< 0.3	–	< 0.005	380	–	–	–	**3**
11-May-05	–	–	–	–	–	–	–	–	–	–	–
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
29-Dec-06	–	–	–	–	–	–	–	–	–	–	–
27-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Oct-08	–	–	–	–	–	–	–	–	–	–	–
1-Jun-09	–	–	–	–	–	–	–	–	–	–	–
20-Oct-10	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
26-Oct-12	–	–	–	–	–	–	65	–	–	–	0.16
6-Jun-13	–	–	–	–	–	< 0.01	52	–	–	–	< 0.05
28-Oct-14	–	–	–	–	–	–	–	–	–	–	–
5-May-15	–	–	–	–	–	–	–	–	–	–	–
2-Nov-16	–	–	–	–	–	< 0.0025	62	–	–	–	–
15-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Oct-18	–	–	–	–	–	–	–	–	–	–	–
19-Jun-19	–	–	–	–	–	–	–	–	–	–	–
3-Dec-20	0.71	0.06	< 0.01	< 0.2	< 0.005	< 0.0025	67	< 0.01	–	< 0.025	**1.2**

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-9S											
29-Mar-96	–	–	–	–	–	–	–	–	–	–	–
20-Jun-96	0.001	**46**	< 0.02	< 0.0004	< 0.03	2	20	0.002	< 0.05	< 0.003	< 0.01
5-Sep-96	0.004	**53**	< 0.02	< 0.0004	–	2.3	16	–	–	–	–
12-Dec-96	< 0.001	**37**	< 0.02	< 0.0004	–	1.9	19	–	–	–	–
28-Mar-97	–	–	–	–	–	–	–	–	–	–	–
3-Jun-97	–	–	–	–	–	–	–	–	–	–	–
30-Sep-97	–	–	–	–	–	–	–	–	–	–	–
9-Dec-97	–	–	–	–	–	–	–	–	–	–	–
30-Mar-98	0.004	**41**	< 0.02	< 0.0004	–	2.5	**20**	–	–	–	–
22-Oct-98	< 0.001	**42**	< 0.02	< 0.0004	0.04	3.3	**23**	0.001	< 0.05	< 0.003	0.05
10-Jun-99	0.003	**44**	< 0.02	< 0.0004	< 0.03	3	**23**	< 0.001	< 0.05	< 0.003	0.08
7-Oct-99	0.01	**48**	< 0.02	–	–	2.6	**20**	–	–	–	–
11-May-00	0.002	**42**	< 0.02	–	–	2.7	**21**	–	–	–	–
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
18-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	–	–	–	–	–	–	–	–	–	–	–
14-Dec-04	–	16	0.07	–	–	48	**73**	–	–	–	–
11-May-05	–	–	–	–	–	–	–	–	–	–	–
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
29-Dec-06	–	–	–	–	–	–	–	–	–	–	–
27-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Oct-08	–	–	–	–	–	–	–	–	–	–	–
1-Jun-09	–	–	–	–	–	–	–	–	–	–	–
20-Oct-10	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
26-Oct-12	–	**48**	–	–	–	2.8	**33**	–	–	–	0.06
6-Jun-13	< 0.02	**40**	< 0.01	–	–	2.1	**26**	–	–	–	–
28-Oct-14	–	–	–	–	–	–	–	–	–	–	–
5-May-15	–	–	–	–	–	–	–	–	–	–	–
2-Nov-16	–	48	< 0.01	–	–	–	**30**	–	–	–	0.04
15-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Oct-18	–	–	–	–	–	–	–	–	–	–	–
19-Jun-19	–	–	–	–	–	–	–	–	–	–	–
3-Dec-20	0.005	50	**0.055**	–	< 0.04	< 5.0	**32**	< 0.01	< 0.01	< 0.01	< 0.02

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

ORGANIC PARAMETERS (DETECTED)			
GROUND WATER		Toulene (ug/l)	TOTAL COMPOUNDS
6NYCRR Part 703 GROUNDWATER STANDARD	ANALYSIS METHOD	5	
MW-9S	Method		
29-Mar-96	–	–	–
20-Jun-96	(EPA 601/602)	< 1	0
5-Sep-96	–	–	–
12-Dec-96	–	–	–
28-Mar-97	–	–	–
4-Jun-97	–	–	–
30-Sep-97	(EPA 601/602)	< 1	0
9-Dec-97	–	–	–
31-Mar-98	–	–	–
22-Oct-98	(EPA 601/602)	< 1	0
10-Jun-99	(EPA 601/602)	< 1	0
7-Oct-99	–	–	–
11-May-00	–	–	–
19-Oct-00	(EPA 601/602)	< 1	0
6-Jun-01	(EPA 601/602)	< 1	0
12-Nov-01	–	–	–
31-May-02	–	–	–
21-Nov-02	(EPA 601/602)	< 1	0
20-May-03	(EPA 601/602)	< 1	0
18-Dec-03	–	–	–
27-May-04	–	–	–
14-Dec-04	–	–	–
11-May-05	(EPA 601/602)	2	2
17-Nov-05	–	–	–
29-Dec-06	(EPA 601/602)	< 1	0
27-Jun-07	–	–	–
31-Oct-08	(EPA 601/602)	< 1	0
1-Jun-09	–	–	–
20-Oct-10	–	–	–
30-Jun-11	–	–	–
26-Oct-12	–	–	–
6-Jun-13	–	–	–
28-Oct-14	–	–	–
5-May-15	–	–	–
2-Nov-16	–	–	–
15-Jun-17	–	–	–
9-Oct-18	–	–	–
19-Jun-19	–	–	–
3-Dec-20	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	FIELD PARAMETERS				INORGANIC PARAMETERS					
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l $CaCO_3$)	HARD. (mg/l $CaCO_3$)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	–	–	6.5-8.5	–	15	5	–	–	500	250
MW-9D										
29-Mar-96	45	-60	7.2	2900	–	2	160	1300	**2600**	10
20-Jun-96	55	115	7.3	2600	**110**	0	140	1300	**2600**	180
5-Sep-96	57	–	7.7	2200	–	4	180	1500	**2600**	160
12-Dec-96	48	-45	7.1	2000	–	1	140	1300	**2500**	180
28-Mar-97	45	15	7.1	2000	–	**19**	170	1200	**2600**	170
3-Jun-97	52	-30	7.3	2700	–	2	150	1300	**2600**	170
30-Sep-97	54	< -80	7.3	2800	**19**	1	150	1400	**2600**	180
9-Dec-97	46	165	7.4	3200	–	4	180	1100	**2600**	170
31-Mar-98	52	-55	7.3	2300	–	1	150	1300	**2600**	170
22-Oct-98	50	< -80	7.2	1800	< 5	1	150	460	**2600**	160
10-Jun-99	54	< -80	**7.1**	2900	**16**	**31**	150	1300	**2500**	180
7-Oct-99	48	< -80	7.3	2600	–	2	160	1500	**2600**	220
11-May-00	57	< -80	8.2	3400	–	3	160	1300	**2500**	**280**
19-Oct-00	53	< -80	7.5	2370	**30**	**18**	160	1600	**2600**	190
6-Jun-01	57	-61	7.4	2320	5	4	140	1200	**2600**	170
12-Nov-01	46	-29	7.5	1583	–	**31**	150	–	**2800**	210
31-May-02	57	-52	7.6	2330	–	2	140	1300	**2500**	170
21-Nov-02	51	-35	**7**	2060	**26**	**28**	160	1300	2400	180
20-May-03	50	-19	7.2	1445	**21**	**15**	160	1400	**2600**	210
18-Dec-03	47	-72	8.3	1844	–	**9**	170	1300	**2600**	170
27-May-04	52	-33	7.1	2840	–	1	160	1200	**2470**	158
14-Dec-04	49	-53	8.1	2470	–	2	280	1200	**2310**	181
11-May-05	55	-30	7.3	2820	**100**	1	160	1100	**2360**	242
17-Nov-05	48	-40	7.2	2970	–	1	160	1300	**2450**	133
29-Dec-06	44	-34	7.3	2740	15	**47**	150	1400	**2450**	191
27-Jun-07	52	-44	6.8	1108	–	1	120	1400	**2310**	188
31-Oct-08	51	-22	7.4	1977	**20**	3	130	1700	**2430**	200
1-Jun-09	50	194	7.1	1512	–	**19**	140	1600	**2500**	180
20-Oct-10	51	19	7.5	2026	–	**23**	130	1700	**2100**	164
30-Jun-11	52	-90	7.4	2928	–	4	150	1500	**2500**	148
26-Oct-12	57	29	6.7	2954	–	**18**	150	1900	**2400**	196
6-Jun-13	56	-15	7.4	3040	–	**19.5**	152	1288	**2684**	210
28-Oct-14	50	-20	7.4	3100	–	**40**	142	1600	**2610**	202
5-May-15	55	-18	7.4	2690	–	**31**	140	2800	**2500**	186
2-Nov-16	57	42	7.1	2550	5	**21**	147	1400	**2340**	244
15-Jun-17	63	34	7.5	2110	–	**11**	146	1650	**2430**	161
9-Oct-18	59	-31	7.1	2090	–	**10**	152	1440	**2490**	296
19-Jun-19	63	-65	7.1	2950	–	**6**	146	1450	**2420**	261
3-Dec-20	59	-123	8.4	1417	30	**20**	133	---	**1770**	98

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	–	–	–	–	0.005	0.1
MW-9D										
29-Mar-96	**1100**	–	< 0.2	**4.5**	–	–	< 20	3	< 0.005	–
20-Jun-96	**1500**	3.1	< 0.2	**4.1**	4.8	< 4	< 20	2	< 0.005	< 0.01
5-Sep-96	**1400**	–	< 0.2	**4**	–	–	< 20	< 1	< 0.005	–
12-Dec-96	**1400**	–	< 0.2	**4.3**	–	–	< 20	< 1	< 0.005	–
28-Mar-97	**1400**	–	< 0.2	**3**	–	–	< 20	< 1	< 0.005	–
3-Jun-97	**1400**	–	< 0.2	**4.6**	–	–	< 20	< 1	< 0.005	–
30-Sep-97	**1100**	2.6	< 0.2	**4.6**	4.1	< 4	< 20	< 1	< 0.005	< 0.01
9-Dec-97	**1400**	–	< 0.2	**3.5**	–	–	< 20	< 1	< 0.005	–
31-Mar-98	**1100**	–	< 0.2	**4.3**	–	–	< 20	< 1	< 0.005	–
22-Oct-98	**1200**	3.6	< 0.2	**4.5**	4.2	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	**1300**	2.9	< 0.2	**3.5**	5.6	< 4	< 20	< 1	< 0.005	< 0.01
7-Oct-99	**1300**	–	< 0.2	**3.8**	–	–	< 20	< 1	< 0.005	–
11-May-00	**850**	–	< 0.2	**4.4**	–	–	< 20	< 1	< 0.005	–
19-Oct-00	**1300**	3.7	< 0.2	**4.9**	4.2	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	**1700**	3.1	< 0.2	**4.3**	4.6	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	**1800**	–	< 0.2	**4.1**	–	–	< 20	< 1	< 0.005	–
31-May-02	**1500**	–	< 0.2	**4.2**	–	–	22	< 1	< 0.005	–
21-Nov-02	**1500**	3.2	< 0.2	**4.5**	4.4	< 4	< 20	< 1	< 0.005	< 0.01
20-May-03	**960**	3.4	< 0.2	**3.6**	3.9	< 4	< 20	< 3	< 0.005	< 0.01
18-Dec-03	240	–	< 0.2	**3.9**	–	–	<20	3	< 0.005	–
27-May-04	**865**	–	< 0.2	**3.8**	–	–	< 20	< 3	< 0.005	–
14-Dec-04	**2120**	–	< 0.2	**4.6**	–	–	< 20	< 3	< 0.005	–
11-May-05	**1210**	2.7	< 0.2	< 0.5	< 0.5	7	< 20	< 3	< 0.005	< 0.01
17-Nov-05	**1500**	–	0.4	**4.6**	–	–	< 20	< 3	< 0.005	–
29-Dec-06	**889**	3.4	< 0.2	**4.6**	2.6	6	< 20	< 3	< 0.005	< 0.01
27-Jun-07	160	–	0.3	**4.2**	–	–	29	< 3	< 0.005	–
31-Oct-08	**1290**	3.8	0.4	**3.8**	3.9	< 4	< 20	< 3	< 0.005	< 0.01
1-Jun-09	**931**	–	< 0.2	**4.4**	–	–	< 20	< 3	< 0.005	–
20-Oct-10	**1090**	–	–	**3.4**	–	–	–	–	< 0.005	–
30-Jun-11	**2320**	–	–	**4.0**	–	–	–	–	–	–
26-Oct-12	**822**	3.5	–	**4.9**	–	–	–	–	–	–
6-Jun-13	**1440**	–	< 0.05	**4.5**	–	–	< 5.0	< 1.0	< 0.010	–
28-Oct-14	**1370**	3.7	–	**4.2**	4.1	–	–	–	**0.0071**	< 0.01
5-May-15	**1520**	–	< 0.1	**4.5**	–	–	< 10	–	< 0.005	–
2-Nov-16	**1490**	3.6	0.06	**4.5**	3.9	–	17	< 1.0	< 0.005	–
15-Jun-17	**1200**	–	0.05	**4.2**	–	–	44.2	< 1.0	< 0.005	–
9-Oct-18	**1740**	–	< 0.05	**4.6**	–	–	18	< 1.0	< 0.005	–
19-Jun-19	**1910**	**3.5**	< 0.05	**4.8**	–	–	< 10	< 1.0	< 0.010	–
3-Dec-20	**689**	**1.4**	3.2	**0.7**	0.7	–	31	3.1	< 0.005	< 0.01

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-9D											
29-Mar-96	–	–	0.006	< 0.3	–	< 0.005	470	–	–	–	**2.6**
20-Jun-96	0.55	< 0.003	0.005	< 0.3	< 0.005	< 0.005	480	< 0.05	< 0.01	< 0.02	**3**
5-Sep-96	–	–	0.007	< 0.3	–	< 0.005	540	–	–	–	**4**
12-Dec-96	–	–	0.006	< 0.3	–	< 0.005	490	–	–	–	**2.4**
28-Mar-97	–	–	0.006	< 0.3	–	< 0.005	440	–	–	–	**2.4**
3-Jun-97	–	–	0.006	< 0.3	–	< 0.005	490	–	–	–	**3**
30-Sep-97	< 0.05	< 0.003	0.005	< 0.3	< 0.005	< 0.005	510	< 0.05	< 0.01	< 0.02	**3.1**
9-Dec-97	–	–	0.006	< 0.3	–	< 0.005	430	–	–	–	2.5
30-Mar-98	–	–	0.006	< 0.3	–	< 0.005	490	–	–	–	**2.5**
22-Oct-98	0.1	< 0.003	0.007	< 0.3	< 0.005	< 0.005	150	< 0.05	< 0.01	< 0.02	**2.9**
10-Jun-99	0.1	< 0.003	0.007	< 0.3	< 0.005	< 0.005	490	< 0.05	< 0.01	0.04	**2.8**
7-Oct-99	–	–	–	–	–	< 0.005	550	–	–	–	**3.1**
11-May-00	–	–	–	–	–	< 0.005	480	–	–	–	**2.9**
19-Oct-00	< 0.005	< 0.003	0.005	< 0.3	< 0.005	< 0.005	590	< 0.05	< 0.01	0.02	**3**
6-Jun-01	0.07	< 0.003	0.005	< 0.3	< 0.005	< 0.005	450	< 0.05	< 0.01	< 0.02	**2.7**
12-Nov-01	–	–	< 0.010	< 0.3	–	< 0.005	440	–	–	–	**2.5**
31-May-02	–	–	< 0.010	< 0.3	–	< 0.005	470	–	–	–	**2.7**
21-Nov-02	0.17	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	480	< 0.05	< 0.01	0.03	**2.6**
16-May-03	0.25	**0.021**	< 0.010	< 0.3	< 0.005	0.006	520	< 0.05	< 0.01	0.03	**3.4**
18-Dec-03	–	–	< 0.010	< 0.3	–	< 0.005	470	–	–	–	**3.1**
27-May-04	–	–	< 0.010	< 0.3	–	< 0.005	470	–	–	–	**4.1**
14-Dec-04	–	–	< 0.010	< 0.3	–	< 0.005	450	–	–	–	**2.7**
11-May-05	0.1	< 0.003	0.014	< 0.3	< 0.005	< 0.005	420	< 0.05	< 0.01	0.04	**2.3**
17-Nov-05	–	–	0.011	< 0.3	–	< 0.005	490	–	–	–	**2.7**
29-Dec-06	0.14	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	530	< 0.05	< 0.01	< 0.02	**3.5**
27-Jun-07	–	–	< 0.010	< 0.3	–	< 0.005	530	–	–	–	**2.9**
31-Oct-08	< 0.05	**0.022**	< 0.010	< 0.3	< 0.005	< 0.005	600	< 0.05	< 0.01	< 0.02	**1.9**
1-Jun-09	–	–	–	–	–	< 0.005	610	–	–	–	**2.3**
20-Oct-10	–	–	–	–	–	–	630	–	–	–	3.0
30-Jun-11	–	–	–	–	–	–	520	–	–	–	**3.4**
26-Oct-12	–	–	–	–	–	–	490	–	–	–	**3.2**
6-Jun-13	–	–	–	–	–	< 0.005	516	–	–	–	**3.2**
28-Oct-14	–	–	< 0.010	–	–	–	601	–	–	–	**3.6**
5-May-15	–	–	–	–	–	< 0.005	605	–	–	–	**3.3**
2-Nov-16	–	–	–	–	–	< 0.0025	586	–	–	–	**0.7**
15-Jun-17	–	–	–	–	–	< 0.0025	624	–	–	–	**1.4**
9-Oct-18	–	–	–	–	–	< 0.0025	556	–	–	–	**1.2**
19-Jun-19	< 0.2	< 0.06	< 0.010	< 0.2	< 0.005	< 0.0025	545	< 0.01	–	< 0.025	**1.6**
3-Dec-20	< 0.2	< 0.06	< 0.010	< 0.2	< 0.005	< 0.0025	233	< 0.01	–	< 0.025	**0.4**

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-9D											
29-Mar-96	< 0.001	**19**	0.08	< 0.0004	–	71	93	–	–	–	–
20-Jun-96	0.005	**20**	0.08	< 0.0004	< 0.03	60	90	< 0.001	< 0.05	< 0.003	< 0.01
5-Sep-96	0.002	**24**	0.09	< 0.0004	–	22	88	–	–	–	–
12-Dec-96	< 0.001	**19**	0.06	< 0.0004	–	56	100	–	–	–	–
28-Mar-97	< 0.001	**19**	0.07	< 0.0004	–	49	84	–	–	–	–
3-Jun-97	< 0.001	**21**	0.08	< 0.0004	–	72	96	–	–	–	–
30-Sep-97	< 0.001	**22**	0.08	< 0.0004	< 0.03	79	**120**	< 0.001	< 0.05	< 0.003	< 0.01
9-Dec-97	< 0.001	**17**	0.07	< 0.0004	–	80	**120**	–	–	–	–
30-Mar-98	< 0.001	**19**	0.07	< 0.0004	–	71	**110**	–	–	–	–
22-Oct-98	< 0.001	**21**	0.09	< 0.0004	0.06	63	**110**	< 0.001	< 0.05	< 0.003	0.02
10-Jun-99	< 0.001	**19**	0.07	< 0.0004	< 0.03	66	**110**	< 0.001	< 0.05	< 0.003	0.02
7-Oct-99	0.002	**22**	0.08	–	–	53	**95**	–	–	–	–
11-May-00	< 0.001	**22**	0.07	–	–	57	**100**	–	–	–	–
19-Oct-00	0.001	**21**	0.08	< 0.0004	0.06	57	**99**	< 0.001	< 0.05	**0.045**	< 0.01
6-Jun-01	< 0.001	**18**	0.06	< 0.0004	< 0.03	72	**120**	< 0.001	< 0.05	< 0.003	< 0.01
12-Nov-01	< 0.001	**18**	0.07	< 0.0004	–	64	**110**	–	–	–	–
31-May-02	< 0.001	**20**	0.07	< 0.0004	–	61	110	–	–	–	–
21-Nov-02	< 0.001	**19**	0.07	< 0.0004	0.04	54	88	< 0.005	< 0.05	< 0.003	0.03
16-May-03	< 0.001	**20**	0.08	< 0.0004	0.08	59	98	< 0.005	< 0.05	0.007	0.03
18-Dec-03	< 0.001	**20**	0.07	< 0.0004	–	64	**100**	–	–	–	–
27-May-04	< 0.001	19	0.08	< 0.0004	–	57	**84**	–	–	–	–
14-Dec-04	< 0.001	18	0.07	< 0.0004	–	52	**90**	–	–	–	–
11-May-05	< 0.001	**16**	**0.07**	< 0.0004	< 0.03	53	**86**	< 0.005	< 0.05	< 0.003	< 0.01
17-Nov-05	< 0.001	19	**0.07**	< 0.0004	–	54	**73**	–	–	–	–
29-Dec-06	< 0.003	22	0.09	< 0.0004	< 0.03	69	**120**	< 0.005	< 0.05	**0.015**	0.09
27-Jun-07	< 0.001	21	0.08	< 0.0004	–	48	**99**	–	–	–	–
31-Oct-08	< 0.003	**32**	0.06	< 0.0004	< 0.03	69	**140**	< 0.005	< 0.05	< 0.003	< 0.01
1-Jun-09	< 0.003	22	0.08	–	–	58	**130**	–	–	–	–
20-Oct-10	< 0.003	25	0.08	–	–	66	**140**	–	–	–	–
30-Jun-11	–	23	0.09	–	–	54	**130**	–	–	–	–
26-Oct-12	–	24	0.09	–	–	36	**170**	–	–	–	–
6-Jun-13	< 0.02	22	0.08	–	–	65	**104**	–	–	–	–
28-Oct-14	–	24	0.09	–	–	76	**125**	–	–	–	–
5-May-15	< 0.003	25	0.08	–	–	83	**118**	–	–	–	–
2-Nov-16	< 0.005	23	0.09	–	–	74	**123**	–	–	–	–
15-Jun-17	< 0.005	24	0.1	–	–	75	**119**	–	–	–	–
9-Oct-18	< 0.005	22	0.09	–	–	72	**130**	–	–	–	–
19-Jun-19	< 0.005	22	0.1	–	< 0.04	70	**124**	< 0.01	–	–	< 0.02
3-Dec-20	< 0.005	20	0.02	–	< 0.04	30	**71**	< 0.01	< 0.01	< 0.01	0.022

	TOTAL METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd	(mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu	(mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01		–	0.05	0.05	0.2		0.3
MW-9D													
29-Mar-96	–	–	–	–	–	–		–	–	–	–		–
20-Jun-96	–	–	–	–	–	–		–	–	–	–		–
5-Sep-96	–	–	–	–	–	–		–	–	–	–		–
12-Dec-96	–	–	–	–	–	–		–	–	–	–		–
28-Mar-97	–	–	–	–	–	–		–	–	–	–		–
3-Jun-97	–	–	–	–	–	–		–	–	–	–		–
30-Sep-97	–	–	–	–	–	–		–	–	–	–		–
9-Dec-97	–	–	–	–	–	–		–	–	–	–		–
30-Mar-98	–	–	–	–	–	–		–	–	–	–		–
22-Oct-98	–	–	–	–	–	–		–	–	–	–		–
10-Jun-99	–	–	–	–	–	–		–	–	–	–		–
7-Oct-99	–	–	–	–	–	–		–	–	–	–		–
11-May-00	–	–	–	–	–	–		–	–	–	–		–
19-Oct-00	–	–	–	–	–	–		–	–	–	–		–
6-Jun-01	–	–	–	–	–	–		–	–	–	–		–
12-Nov-01	–	–	–	–	–	–		–	–	–	–		–
31-May-02	–	–	–	–	–	–		–	–	–	–		–
21-Nov-02	–	–	–	–	–	–		–	–	–	–		–
16-May-03	–	–	–	–	–	–		–	–	–	–		–
18-Dec-03	–	–	–	–	–	–		–	–	–	–		–
27-May-04	–	–	–	–	–	–		–	–	–	–		–
14-Dec-04	–	–	–	–	–	–		–	–	–	–		–
11-May-05	–	–	–	–	–	–		–	–	–	–		–
17-Nov-05	–	–	–	–	–	–		–	–	–	–		–
29-Dec-06	–	–	–	–	–	–		–	–	–	–		–
27-Jun-07	–	–	–	–	–	–		–	–	–	–		–
31-Oct-08	–	–	–	–	–	–		–	–	–	–		–
1-Jun-09	–	–	–	–	–	–		–	–	–	–		–
20-Oct-10	–	–	–	–	–	–		–	–	–	–		–
30-Jun-11	–	–	–	–	–	–		–	–	–	–		–
26-Oct-12	–	–	–	–	–	–		–	–	–	–		–
6-Jun-13	–	–	–	–	–	–		–	–	–	–		–
28-Oct-14	–	–	–	–	–	–		–	–	–	–		–
5-May-15	–	–	–	–	–	–		–	–	–	–		–
2-Nov-16	–	–	–	–	–	–		–	–	–	–		–
15-Jun-17	–	–	–	–	–	–		–	–	–	–		–
9-Oct-18	–	–	–	–	–	–		–	–	–	–		–
19-Jun-19	–	–	–	–	–	–		–	–	–	–		–
3-Dec-20	–	–	–	–	–	–		–	–	–	–		–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	TOTAL METALS										
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-9D											
29-Mar-96	–	–	–	–	–	–	–	–	–	–	–
20-Jun-96	–	–	–	–	–	–	–	–	–	–	–
5-Sep-96	–	–	–	–	–	–	–	–	–	–	–
12-Dec-96	–	–	–	–	–	–	–	–	–	–	–
28-Mar-97	–	–	–	–	–	–	–	–	–	–	–
3-Jun-97	–	–	–	–	–	–	–	–	–	–	–
30-Sep-97	–	–	–	–	–	–	–	–	–	–	–
9-Dec-97	–	–	–	–	–	–	–	–	–	–	–
30-Mar-98	–	–	–	–	–	–	–	–	–	–	–
22-Oct-98	–	–	–	–	–	–	–	–	–	–	–
10-Jun-99	–	–	–	–	–	–	–	–	–	–	–
7-Oct-99	–	–	–	–	–	–	–	–	–	–	–
11-May-00	–	–	–	–	–	–	–	–	–	–	–
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
18-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	–	–	–	–	–	–	–	–	–	–	–
14-Dec-04	–	–	–	–	–	–	–	–	–	–	–
11-May-05	–	–	–	–	–	–	–	–	–	–	–
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
29-Dec-06	–	–	–	–	–	–	–	–	–	–	–
27-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Oct-08	–	–	–	–	–	–	–	–	–	–	–
1-Jun-09	–	–	–	–	–	–	–	–	–	–	–
20-Oct-10	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
26-Oct-12	–	–	–	–	–	–	–	–	–	–	–
6-Jun-13	–	–	–	–	–	–	–	–	–	–	–
28-Oct-14	–	–	–	–	–	–	–	–	–	–	–
5-May-15	–	–	–	–	–	–	–	–	–	–	–
2-Nov-16	–	–	–	–	–	–	–	–	–	–	–
15-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Oct-18	–	–	–	–	–	–	–	–	–	–	–
19-Jun-19	–	–	–	–	–	–	–	–	–	–	–
3-Dec-20	–	–	–	–	–	–	–	–	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

ORGANIC PARAMETERS (DETECTED)

GROUND WATER		TOTAL COMPOUNDS
6NYCRR Part 703 GROUNDWATER STANDARD	ANALYSIS METHOD	
MW-9D	Method	
29-Mar-96	–	–
20-Jun-96	(EPA 601/602)	0
5-Sep-96	–	–
12-Dec-96	–	–
28-Mar-97	–	–
3-Jun-97	–	–
30-Sep-97	(EPA 601/602)	0
9-Dec-97	–	–
31-Mar-98	–	–
22-Oct-98	(EPA 601/602)	0
10-Jun-99	(EPA 601/602)	0
7-Oct-99	–	–
11-May-00	–	–
19-Oct-00	(EPA 601/602)	0
6-Jun-01	(EPA 601/602)	0
12-Nov-01	–	–
31-May-02	–	–
21-Nov-02	(EPA 601/602)	0
20-May-03	(EPA 601/602)	0
18-Dec-03	–	–
27-May-04	–	–
14-Dec-04	–	–
11-May-05	(EPA 601/602)	0
17-Nov-05	–	–
29-Dec-06	(EPA 601/602)	0
27-Jun-07	–	–
31-Oct-08	(EPA 601/602)	0
1-Jun-09	–	–
20-Oct-10	–	–
30-Jun-11	–	–
26-Oct-12	–	–
6-Jun-13	–	–
28-Oct-14	–	–
5-May-15	–	–
2-Nov-16	–	–
15-Jun-17	–	–
9-Oct-18	–	–
19-Jun-19	–	–
3-Dec-20	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	FIELD PARAMETERS				INORGANIC PARAMETERS					
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/L CaCO3)	HARD. (mg/L CaCO3)	TDS (mg/L)	Cl (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	–	6.5-8.5	–	15	5	–	–	500	250
RW-A (MILLER) KITCHEN TAP										
31-Mar-98	75	295	6.5	260	–	1.87	22	< 3	50	< 1
22-Oct-98	63	480	6.7	46	< 5	2.37	12	3	80	< 1
10-Jun-99	73	350	**5.4**	53	6	0.32	13	3	< 10	2
11-May-00	64	350	8.2	50	–	0.24	17	< 3	33	1
19-Oct-00	60	5	8.4	268	< 5	1.7	53	< 3	110	19
6-Jun-01	69	-116	8.3	102	< 5	< 0.05	16	3	30	3
12-Nov-01	62	-72	8.3	210	–	0.82	22	–	60	1
31-May-02	77	32	**6.3**	38	–	0.12	< 10	3	130	1
21-Nov-02	64	37	**6**	104	7	0.65	13	< 3	< 25	2
16-May-03	60	-48	7.7	492	< 5	0.65	< 10	< 3	40	5
19-Dec-03	62	-75	8.3	384	–	< 0.05	19	3	130	1
27-May-04	70	-100	8.2	221	–	< 0.05	17	< 3	< 25	2
14-Dec-04	62	-65	7.8	604	–	< 0.05	120	< 3	120	15
11-May-05	76	-85	8.3	411	–	< 0.05	< 10	< 3	< 25	2
17-Nov-05	56	-65	8.2	163	–	, 0.05	110	5	137	< 1
30-Jun-06	73	-60	8.3	884	–	0.15	13	4	42	3
3-Jan-07	49	-55	8.2	752	7	0.25	< 10	5	< 25	2
28-Jun-07	64	-53	7	574	–	4.4	170	110	**1820**	68
31-Dec-07	63	-58	8.3	731	–	, 0.05	< 10	< 3	42	2
29-May-08	61	-90	8	713	–	0.07	170	110	**1740**	59
28-Aug-08	–	–	–	–	–	0.05	180	87	**1790**	66
26-Nov-08	67	-85	8.5	559	< 5	0.19	< 10	< 3	< 25	4
29-May-09	71	146	8.1	264	–	0.1	12	< 3	< 25	< 1
31-Dec-09	60	97	7.4	281	–	0.76	180	22	**1800**	58
19-Feb-10	64	178	7.5	293	–	3.71	15	2	30	3
28-Jun-10	66	194	7.9	588	–	0.13	11	–	95	2
18-Nov-10	63	141	7.9	671	–	2.4	140	–	–	16
30-Jun-11	72	19	8	2784	–	0.91	190	41	**1900**	67
2-Dec-11	49	-36	8	401	–	3.1	200	52	**1700**	68
27-Apr-12	62	108	7.4	5700	–	0.15	210	75	**1700**	71
15-Oct-12	64	89	7.6	3250	–	<0.1	200	67	**2000**	63
4-Jun-13	64	119	6.9	133	–	< 1	14	1.1	156	5.5
3-Oct-13	68	3	7.1	2830	–	< 1	188	12	**1860**	55
13-May-14	64	72	7.0	2210	–	–	174	22	**1800**	61.4
2-Oct-14	52	93	8.0	2830	–	–	169	40.3	**1950**	59.2
6-May-15	63	92	7.5	2600	–	< 1	170	52	**1900**	56.7
4-Nov-15	66	122	7.5	2120	–	< 1	169	40	**1790**	59.5
25-May-15	62	88	7.6	2740	–	< 1	16	< 5	121	5
10-Oct-16	60	90	7.7	2720	< 5	< 1	176	38	915	65
29-Jun-17	62	29	6.5	221	–	< 1	14	15	102	4
9-Nov-17	55	-140	6.4	147	–	1	9	< 5	39	4
26-Apr-18	60	42	6.5	225	–	< 1	33	< 5	78	3.7
17-Oct-18	63	-34	6.5	284	–	< 1	21	12	148	6.6
11-Jun-19	67	-65	7.0	87	–	< 1	10	< 5	60	3.2
10-Dec-19	61	-32	6.7	102	–	< 1	11	< 5	92	3.3
22-Jun-20	67	-42	6.6	72	–	< 1	13	< 5	65	4.6
3-Dec-20	61	-111	8.4	202	< 5	< 1	12	< 5	100	3.5
28-Aug-08	–	–	–	–	–	**41.6**	180	1200	**1730**	66

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA
INORGANIC MATERIALS

GROUND WATER	SO4 (mg/L)	BORON (mg/L)	NO3-N (mg/L)	NH3-N (MG/L)	TKN (mg/L)	BOD-5 (mg/L)	COD (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1	10	2	–	–	–	–	0.001	0.1
RW-A (MILLER) KITCHEN TAP										
31-Mar-98	10	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
22-Oct-98	< 5	**1.2**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	9	**1.2**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
11-May-00	9	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
19-Oct-00	16	**3.1**	0.8	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	7	**1.2**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	11	–	< 0.2	< 0.5	–	–	< 20	3	< 0.005	–
31-May-02	6	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
21-Nov-02	18	**1.7**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
16-May-03	7	**1.4**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
19-Dec-03	50	–	< 0.2	**3.1**	–	–	< 20	< 3	< 0.005	–
27-May-04	< 5	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
14-Dec-04	57	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
11-May-05	< 5	–	< 0.2	< 0.5	–	< 4	< 20	< 3	**0.007**	–
17-Nov-05	8	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
30-Jun-06	< 5	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
3-Jan-07	< 5	**1.4**	< 0.2	< 0.5	< 0.5	5	< 20	< 3	< 0.005	< 0.01
28-Jun-07	157	–	0.5	< 0.5	–	–	< 20	< 3	< 0.005	–
31-Dec-07	< 5	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
29-May-08	**1100**	–	< 0.2	0.9	–	–	< 20	< 3	< 0.005	–
28-Aug-08	**1330**	–	0.5	< 0.5	–	–	< 20	< 3	< 0.005	–
26-Nov-08	9	**1.4**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
29-May-09	< 5	–	1.3	< 0.5	–	–	< 20	< 3	< 0.005	–
31-Dec-09	**1260**	–	0.2	0.7	–	–	< 20	< 3	< 0.005	–
19-Feb-10	< 5	–	0.3	< 0.5	–	–	< 20	< 3	< 0.005	–
28-Jun-10	12	–	< 0.2	< 0.5	< 0.5	–	< 20	< 3	< 0.005	–
18-Nov-10	–	–	–	< 0.5	–	–	–	–	–	–
30-Jun-11	**558**	–	0.8	–	–	–	–	–	–	–
2-Dec-11	**1340**	–	–	0.54	–	–	–	–	–	–
27-Apr-12	**1040**	–	–	0.75	–	–	–	–	–	–
15-Oct-12	**1550**	**2.7**	–	0.95	–	–	–	–	–	–
4-Jun-13	69	–	<0.05	< 0.1	–	–	< 5.0	–	< 0.01	–
3-Oct-13	**995**	–	0.08	0.66	–	–	< 5.0	< 1	< 0.01	–
13-May-14	**1060**	–	0.2	0.4	–	–	–	–	–	–
2-Oct-14	**1060**	**2.44**	0.644	0.407	–	–	–	–	–	–
6-May-15	**1220**	–	<0.1	1.1	–	–	< 10	–	< 0.005	–
4-Nov-15	**1150**	–	<0.1	0.96	–	–	< 10	< 0.5	< 0.005	–
25-May-15	63	–	<0.1	0.27	–	–	< 10	< 1	0.0085	–
10-Oct-16	**1260**	–	<0.1	1.1	–	< 0.2	< 10	1.3	< 0.005	–
29-Jun-17	38	–	0.18	< 0.1	–	–	< 10	< 1	< 0.005	–
9-Nov-17	39	–	0.2	< 0.1	–	–	< 10	< 1	< 0.005	–
26-Apr-18	39	–	0.3	< 0.1	–	–	< 10	< 1	< 0.005	–
17-Oct-18	115	–	<0.05	< 0.1	–	–	< 10	< 1	< 0.005	–
11-Jun-19	27	–	<0.05	0.15	–	–	< 10	< 1	< 0.005	–
10-Dec-19	25	–	<0.05	< 0.1	–	–	< 10	11	< 0.005	–
22-Jun-20	31	–	<0.05	0.2	–	–	< 10	< 1	< 0.005	–
3-Dec-20	26	2	0.18	0.18	0.14	< 2.0	12	< 1	0.0054	< 0.01
28-Aug-08	**1170**	–	< 0.2	**2.1**	–	–	< 20	< 3	< 0.005	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.005	–	0.05	0.05	0.2	0.3
RW-A (MILLER) KITCHEN TAP											
31-Mar-98	–	–	< 0.001	< 0.3	–	< 0.005	< 0.5	–	–	–	< 0.03
22-Oct-98	0.1	<0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.05	< 0.01	0.05	0.08
10-Jun-99	< 0.05	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	0.5	< 0.05	< 0.01	0.06	0.07
11-May-00	–	–	–	–	–	< 0.005	< 0.5	–	–	–	0.05
19-Oct-00	< 0.05	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.05	< 0.01	< 0.02	< 0.03
6-Jun-01	< 0.05	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.05	< 0.01	0.06	< 0.03
12-Nov-01	–	–	< 0.010	< 0.3	–	< 0.005	0.6	–	–	–	0.03
31-May-02	–	–	< 0.010	< 0.3	–	< 0.005	< 0.5	–	–	–	0.08
21-Nov-02	0.07	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	0.6	< 0.05	< 0.01	0.02	0.05
16-May-03	0.12	< 0.003	< 0.010	< 0.3	< 0.005	0.006	0.7	< 0.05	< 0.01	0.02	0.05
19-Dec-03	–	–	< 0.010	< 0.3	–	< 0.005	1.3	–	–	–	0.05
27-May-04	–	–	< 0.010	< 0.3	–	< 0.005	0.5	–	–	–	0.06
14-Dec-04	–	–	< 0.010	< 0.3	–	< 0.005	0.7	–	–	–	0.12
11-May-05	–	–	< 0.010	< 0.3	–	< 0.005	0.9	–	–	–	0.08
17-Nov-05	–	–	< 0.010	< 0.3	–	< 0.005	1.5	–	–	–	0.15
30-Jun-06	–	–	< 0.500	< 0.3	–	< 0.005	1.2	–	–	–	0.05
3-Jan-07	0.05	0.005	< 0.010	< 0.3	< 0.005	< 0.005	1.6	< 0.05	< 0.01	0.02	0.12
28-Jun-07	–	–	< 0.500	< 0.3	–	< 0.005	40	–	–	–	0.05
31-Dec-07	–	–	< 0.500	< 0.3	–	< 0.005	0.7	–	–	–	0.03
29-May-08	–	–	< 0.010	< 0.3	–	< 0.005	43	–	–	–	< 0.03
28-Aug-08	–	–	< 0.010	< 0.3	–	< 0.005	33	–	–	–	< 0.03
26-Nov-08	< 0.05	<0.003	< 0.010	< 0.3	< 0.005	< 0.005	< 0.5	< 0.05	< 0.01	< 0.02	< 0.03
29-May-09	–	–	–	–	–	< 0.005	< 0.5	–	–	–	0.04
31-Dec-09	–	–	–	–	–	0.009	8.1	–	–	–	0.2
19-Feb-10	–	–	–	–	–	< 0.005	0.8	–	–	–	**0.56**
28-Jun-10	–	–	–	–	–	< 0.005	< 0.5	–	–	–	< 0.03
18-Nov-10	–	–	–	–	–	< 0.005	–	–	–	–	–
30-Jun-11	–	–	–	–	–	< 0.005	16	–	–	–	–
2-Dec-11	–	–	–	–	–	–	20	–	–	–	0.08
27-Apr-12	–	–	–	–	–	–	28	–	–	–	0.06
15-Oct-12	0.18	–	–	–	–	–	25	–	–	–	**1**
4-Jun-13	–	–	–	–	–	< 0.005	< 0.5	–	–	–	0.02
3-Oct-13	–	–	–	–	–	< 0.02	12	–	–	–	<0.05
13-May-14	–	–	–	–	–	–	8.7	–	–	–	–
2-Oct-14	–	–	–	–	–	–	14.5	–	–	–	–
6-May-15	–	–	–	–	–	< 0.005	16	–	–	–	<0.1
4-Nov-15	–	–	–	–	–	< 0.005	16.7	–	–	–	<0.1
25-May-15	–	–	–	–	–	< 0.005	5	–	–	–	<0.1
10-Oct-16	–	–	–	–	–	< 0.0025	147	–	–	–	0.15
29-Jun-17	–	–	–	–	–	< 0.0025	0.2	–	–	–	<0.1
9-Nov-17	–	–	–	–	–	< 0.0025	368	–	–	–	<0.02
26-Apr-18	–	–	–	–	–	< 0.0025	413	–	–	–	<0.02
17-Oct-18	–	–	–	–	–	< 0.0025	3.7	–	–	–	<0.02
11-Jun-19	–	–	–	–	–	< 0.0025	< 0.2	–	–	–	0.022
10-Dec-19	–	–	–	–	–	< 0.0025	< 0.2	–	–	–	0.06
22-Jun-20	–	–	–	–	–	< 0.0025	0.7	–	–	–	< 0.02
3-Dec-20	< 0.2	< 0.06	< 0.01	< 0.2	< 0.005	< 0.0025	0.2	< 0.01	–	< 0.025	< 0.02
28-Aug-08	–	–	< 0.010	< 0.3	–	< 0.005	460	–	–	–	**3.9**

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
RW-A (MILLER) KITCHEN TAP											
31-Mar-98	0.003	< 0.5	< 0.02	< 0.0004	–	< 0.5	8.1	–	–	–	–
22-Oct-98	0.003	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.5	4.4	< 0.001	< 0.05	< 0.003	0.02
10-Jun-99	0.004	< 0.5	< 0.02	< 0.0004	< 0.03	0.9	8.3	< 0.001	< 0.05	< 0.003	0.05
11-May-00	0.003	< 0.5	< 0.02	–	–	0.8	7	–	–	–	–
19-Oct-00	0.002	< 0.5	< 0.02	< 0.0004	0.04	2.5	**37**	< 0.001	< 0.05	< 0.003	0.05
6-Jun-01	0.002	< 0.5	< 0.02	< 0.0004	< 0.03	1	5.3	< 0.001	< 0.05	< 0.003	0.13
12-Nov-01	0.007	< 0.5	< 0.02	–	–	0.7	9.8	–	–	–	–
31-May-02	0.002	< 0.5	< 0.02	< 0.0004	–	< 0.5	7.6	–	–	–	–
21-Nov-02	< 0.001	< 0.5	< 0.02	< 0.0004	< 0.03	0.9	6.7	< 0.005	< 0.05	< 0.003	0.04
16-May-03	0.004	< 0.5	< 0.02	< 0.0004	0.04	< 0.5	8.6	< 0.005	< 0.05	< 0.003	0.05
19-Dec-03	< 0.001	< 0.5	< 0.02	< 0.0004	–	0.8	8.5	–	–	–	–
27-May-04	0.004	< 0.5	< 0.02	< 0.0004	–	< 0.5	6.3	–	–	–	–
14-Dec-04	0.002	< 0.5	< 0.02	< 0.0004	–	< 0.5	9.2	–	–	–	–
11-May-05	< 0.001	< 0.5	< 0.02	< 0.0004	–	< 0.5	4.7	–	–	–	–
17-Nov-05	< 0.001	< 0.5	0.02	< 0.0004	–	0.9	5.7	–	–	–	–
30-Jun-06	< 0.003	< 0.5	0.02	< 0.0004	–	0.5	6.3	–	–	–	–
3-Jan-07	< 0.003	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.5	3	< 0.005	< 0.05	< 0.003	0.09
28-Jun-07	< 0.003	1.7	< 0.02	< 0.0004	–	39	**590**	–	–	–	–
31-Dec-07	< 0.003	< 0.5	< 0.02	< 0.0004	–	< 0.5	3.1	–	–	–	–
29-May-08	< 0.003	< 0.5	< 0.02	< 0.0002	–	< 0.5	**640**	–	–	–	–
28-Aug-08	< 0.003	1.2	< 0.02	< 0.0004	–	34	**580**	–	–	–	–
26-Nov-08	< 0.003	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.5	5.2	< 0.005	< 0.05	< 0.003	< 0.01
29-May-09	0.015	< 0.5	< 0.02	–	–	< 0.5	6.4	–	–	–	–
31-Dec-09	< 0.001	< 0.5	< 0.02	–	–	31	**640**	–	–	–	–
19-Feb-10	< 0.001	< 0.5	0.03	–	–	< 0.5	7.5	–	–	–	–
28-Jun-10	< 0.001	< 0.5	< 0.02	–	–	0.6	25	–	–	–	–
18-Nov-10	–	–	–	–	–	–	4.3	–	–	–	–
30-Jun-11	–	0.63	–	–	–	34	**580**	–	–	–	–
2-Dec-11	–	0.69	–	–	–	35	**590**	–	–	–	–
27-Apr-12	–	0.98	–	–	–	28	**560**	–	–	–	–
15-Oct-12	–	1.3	0.14	–	–	19	**520**	–	–	–	0.01
4-Jun-13	< 0.02	< 0.1	< 0.01	–	–	0.74	**27**	–	–	–	–
3-Oct-13	< 0.02	<1.0	< 0.01	–	–	20	**635**	–	–	–	–
13-May-14	–	–	–	–	–	15.4	**574**	–	–	–	–
2-Oct-14	–	–	–	–	–	20.8	**373**	–	–	–	–
6-May-15	–	< 0.5	< 0.015	–	–	20.9	**636**	–	–	–	–
4-Nov-15	0.003	< 0.5	< 0.015	–	–	22.4	**668**	–	–	–	–
25-May-15	< 0.003	< 0.5	< 0.015	–	–	< 5	**41**	–	–	–	–
10-Oct-16	< 0.005	0.55	< 0.01	< 0.0002	–	20	**729**	–	–	–	–
29-Jun-17	< 0.005	< 0.2	< 0.01	–	–	< 5	**25**	–	–	–	–
9-Nov-17	< 0.005	< 0.2	< 0.01	–	–	< 5	**269**	–	–	–	–
26-Apr-18	< 0.005	< 0.2	< 0.01	–	–	< 5	**268**	–	–	–	–
17-Oct-18	< 0.005	< 0.2	< 0.01	–	–	< 5	**56**	–	–	–	–
11-Jun-19	< 0.005	< 0.2	< 0.01	–	–	< 5	**18**	–	–	–	–
10-Dec-19	< 0.005	< 0.2	< 0.01	–	–	< 5	20	–	–	–	–
22-Jun-20	< 0.005	< 0.2	< 0.01	–	–	< 5	**21**	–	–	–	–
3-Dec-20	< 0.005	< 0.2	< 0.01	–	< 0.04	< 5	20	< 0.01	< 0.01	< 0.01	< 0.02
28-Aug-08	0.008	19	0.07	< 0.0004	–	54	**53**	–	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.005	–	0.05	0.05	0.2	0.3
RW-A (MILLER) KITCHEN TAP											
31-Mar-98	–	–	–	–	–	–	–	–	–	–	–
22-Oct-98	–	–	–	–	–	–	–	–	–	–	–
10-Jun-99	–	–	–	–	–	–	–	–	–	–	–
11-May-00	–	–	–	–	–	–	–	–	–	–	–
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
19-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	–	–	–	–	–	–	–	–	–	–	–
14-Dec-04	–	–	–	–	–	–	–	–	–	–	–
11-May-05	–	–	–	–	–	–	–	–	–	–	–
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
30-Jun-06	–	–	–	–	–	–	–	–	–	–	–
3-Jan-07	–	–	–	–	–	–	–	–	–	–	–
28-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Dec-07	–	–	–	–	–	–	–	–	–	–	–
29-May-08	–	–	–	–	–	–	–	–	–	–	–
28-Aug-08	–	–	–	–	–	–	–	–	–	–	–
26-Nov-08	–	–	–	–	–	–	–	–	–	–	–
29-May-09	–	–	–	–	–	–	–	–	–	–	–
31-Dec-09	–	–	–	–	–	–	–	–	–	–	–
19-Feb-10	–	–	–	–	–	–	–	–	–	–	–
28-Jun-10	–	–	–	–	–	–	–	–	–	–	–
18-Nov-10	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
2-Dec-11	–	–	–	–	–	–	–	–	–	–	–
27-Apr-12	–	–	–	–	–	–	–	–	–	–	–
15-Oct-12	–	–	–	–	–	–	–	–	–	–	–
3-Oct-13	–	–	–	–	–	–	–	–	–	–	–
13-May-14	–	–	–	–	–	–	–	–	–	–	–
2-Oct-14	–	–	–	–	–	–	–	–	–	–	–
6-May-15	–	–	–	–	–	–	–	–	–	–	–
4-Nov-15	–	–	–	–	–	–	–	–	–	–	–
25-May-15	–	–	–	–	–	–	–	–	–	–	–
10-Oct-16	–	–	–	–	–	–	–	–	–	–	–
29-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Nov-17	–	–	–	–	–	–	–	–	–	–	–
26-Apr-18	–	–	–	–	–	–	–	–	–	–	–
17-Oct-18	–	–	–	–	–	–	–	–	–	–	–
11-Jun-19	–	–	–	–	–	–	–	–	–	–	–
10-Dec-19	–	–	–	–	–	–	–	–	–	–	–
22-Jun-20	–	–	–	–	–	–	–	–	–	–	–
3-Dec-20	< 0.2	< 0.06	< 0.01	< 0.2	< 0.005	< 0.0025	227	< 0.01	–	< 0.025	0.42
28-Aug-08	–	–	–	–	–	–	–	–	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
RW-A (MILLER) KITCHEN TAP											
31-Mar-98	–	–	–	–	–	–	–	–	–	–	–
22-Oct-98	–	–	–	–	–	–	–	–	–	–	–
10-Jun-99	–	–	–	–	–	–	–	–	–	–	–
11-May-00	–	–	–	–	–	–	–	–	–	–	–
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
19-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	–	–	–	–	–	–	–	–	–	–	–
14-Dec-04	–	–	–	–	–	–	–	–	–	–	–
11-May-05	–	–	–	–	–	–	–	–	–	–	–
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
30-Jun-06	–	–	–	–	–	–	–	–	–	–	–
3-Jan-07	–	–	–	–	–	–	–	–	–	–	–
28-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Dec-07	–	–	–	–	–	–	–	–	–	–	–
29-May-08	–	–	–	–	–	–	–	–	–	–	–
28-Aug-08	–	–	–	–	–	–	–	–	–	–	–
26-Nov-08	–	–	–	–	–	–	–	–	–	–	–
29-May-09	–	–	–	–	–	–	–	–	–	–	–
31-Dec-09	–	–	–	–	–	–	–	–	–	–	–
19-Feb-10	–	–	–	–	–	–	–	–	–	–	–
28-Jun-10	–	–	–	–	–	–	–	–	–	–	–
18-Nov-10	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
2-Dec-11	–	–	–	–	–	–	–	–	–	–	–
27-Apr-12	–	–	–	–	–	–	–	–	–	–	–
15-Oct-12	–	–	–	–	–	–	–	–	–	–	–
3-Oct-13	–	–	–	–	–	–	–	–	–	–	–
13-May-14	–	–	–	–	–	–	–	–	–	–	–
2-Oct-14	–	–	–	–	–	–	–	–	–	–	–
6-May-15	–	–	–	–	–	–	–	–	–	–	–
4-Nov-15	–	–	–	–	–	–	–	–	–	–	–
25-May-15	–	–	–	–	–	–	–	–	–	–	–
10-Oct-16	–	–	–	–	–	–	–	–	–	–	–
29-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Nov-17	–	–	–	–	–	–	–	–	–	–	–
26-Apr-18	–	–	–	–	–	–	–	–	–	–	–
17-Oct-18	–	–	–	–	–	–	–	–	–	–	–
11-Jun-19	–	–	–	–	–	–	–	–	–	–	–
10-Dec-19	–	–	–	–	–	–	–	–	–	–	–
22-Jun-20	–	–	–	–	–	–	–	–	–	–	–
3-Dec-20	< 0.005	19	0.02	< 0.02	< 0.04	30	68.4	< 0.01	< 0.01	< 0.01	< 0.02
28-Aug-08	–	–	–	–	–	–	–	–	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	FIELD PARAMETERS				INORGANIC PARAMETERS					
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/L CaCO3)	HARD. (mg/L CaCO3)	TDS (mg/L)	Cl (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	–	6.5-8.5	–	15	5	–	–	500	250
RW-B (Nolan) **KITCHEN TAP**										
31-Mar-98	73	35	8.2	40	–	1.17	13	< 3	20	< 1
22-Oct-98	68	170	6.8	46	< 5	0.17	10	3	53	1
10-Jun-99	79	180	**6.2**	180	< 5	0.45	8	< 3	28	3
11-May-00	72	260	7.8	100	–	0.29	16	4	63	4
19-Oct-00	58	130	8.5	111	< 5	0.59	17	< 3	63	4
6-Jun-01	69	-122	8.5	105	< 5	< 0.05	14	3	45	3
12-Nov-01	56	-115	**9.2**	389	–	0.95	12	–	40	2
31-May-02	76	-28	7.2	499	–	1.26	< 10	3	**1700**	2
21-Nov-02	69	-60	7.7	77	7	4.9	< 10	< 3	< 25	2
16-May-03	60	-43	7.6	546	6	0.2	28	< 3	45	4
19-Dec-03	57	-70	8.2	523	–	<0.05	19	< 3	18	3
27-May-04	71	-87	8	106	–	<0.05	14	< 3	52	3
14-Dec-04	63	-45	7.6	641	–	<0.05	87	< 3	32	13
11-May-05	77	-45	7.6	683	–	<0.05	25	3	< 25	5
17-Nov-05	63	-50	7.6	102	–	<0.05	11	9	127	5
30-Jun-06	76	-75	8.1	517	–	0.07	14	10	50	6
3-Jan-07	48	-50	8.2	345	7	0.71	16	17	242	6
28-Jun-07	63	-95	7.4	9	–	**12.1**	130	50	**2000**	107
31-Dec-07	64	-64	8	557	–	0.08	< 10	13	125	4
29-May-08	63	-151	8.3	671	–	0.56	12	6	72	3
28-Aug-08	71	-100	**8.7**	1632	< 5	0.26	12	10	< 25	2
26-Nov-08	72	146	8.1	515	–	0.12	12	< 3	28	3
29-May-09	60	13.5	7.8	718	–	2.32	160	74	**1800**	99
31-Dec-09	65	163	7.8	461	–	2.71	15	3	65	5
19-Feb-10	64	178	7.5	293	–	3.71	15	2	30	3
25-Jun-10	66	184	7.7	617	–	0.28	12	–	45	4
18-Nov-10	65	152	7.7	702	–	1.89	150	–	100	13
30-Jun-11	82	-33	7.9	3119	–	3.21	170	51	**1900**	100
2-Dec-11	49	-42	8.06	329	–	2.13	180	97	**2000**	103
27-Apr-12	58	150	7.65	2990	–	0.07	150	87	**2100**	103
15-Oct-12	61	62	7.4	3570	–	<0.1	160	66	**2300**	74
21-Jun-13	64	165	7.3	3140	–	<1	152	65	**2087**	95
3-Oct-13	68	67	7.2	3130	–	<1	162	23	**2110**	85
30-May-14	64	74	7.1	2955	–	–	141	61	**2120**	91
2-Oct-14	58	99	7.9	3010	–	0.45	159	96.4	**2170**	94
6-May-15	61	113	7.6	2940	–	< 1.0	147	120	**2110**	121
4-Nov-15	65	139	7.8	2450	–	< 1.0	142	60	**1910**	85
25-May-16	61	92	7.5	2890	–	< 1.0	5.5	< 5	31	3
10-Oct-16	64	118	7.4	65	< 5.0	< 1.0	7.3	8	123	3.9
27-Jun-17	72	65	6.1	128	–	< 1.0	6.6	15	28	3.9
9-Nov-17	54	-111	5.9	72	–	< 1.0	5.6	< 5	39	2.5
26-Apr-18	70	64	6.1	46	–	< 1.0	4.2	< 5	30	2
17-Oct-18	77	-32	6	47	–	< 1.0	6.5	< 5	29	3.1
11-Jun-19	78	71	6.7	121	–	3.2	5.3	< 5	33	2.6
10-Dec-19	77	-3	6.2	78	–	< 1.0	7.1	< 5	84	5.6
22-Jun-20	69	55	4.5	109	–	< 1.0	8.5	< 5	20	3.3
3-Dec-20	66	-77	7.5	72	–	1.1	6.8	< 5	52	2.5

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA
INORGANIC MATERIALS

GROUND WATER	SO4 (mg/L)	BORON (mg/L)	NO3-N (mg/L)	NH3-N (MG/L)	TKN (mg/L)	BOD-5 (mg/L)	COD (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1	10	2	–	–	–	–	0.005	0.1
RW-B (Nolan) KITCHEN TAP										
31-Mar-98	6	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
22-Oct-98	9	**1.4**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	22	**1.7**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
11-May-00	32	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
19-Oct-00	41	**2**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	32	**1.5**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	6	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
31-May-02	6	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
21-Nov-02	6	**2.1**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
16-May-03	9	**2.2**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
19-Dec-03	18	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
27-May-04	17	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
14-Dec-04	12	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
11-May-05	49	–	< 0.2	< 0.5	–	–	< 20	< 3	**0.006**	–
17-Nov-05	15	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
30-Jun-06	14	–	< 0.2	< 0.5	–	–	< 20	< 3	**0.006**	–
3-Jan-07	61	**1.7**	0.3	< 0.5	< 0.5	6	< 20	< 3	< 0.005	< 0.01
28-Jun-07	131	–	1.7	< 0.5	–	–	< 20	< 3	< 0.005	–
31-Dec-07	55	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
29-May-08	29	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
28-Aug-08	22	**1.4**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
26-Nov-08	22	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
29-May-09	**1340**	–	< 0.2	0.8	–	–	< 20	< 3	< 0.005	–
31-Dec-09	31	–	0.1	< 0.5	–	–	< 20	< 3	< 0.005	–
19-Feb-10	< 5	–	0.3	< 0.5	–	–	< 20	< 3	< 0.005	–
25-Jun-10	32.1	–	< 0.2	< 0.5	< 0.5	–	< 20	< 3	< 0.005	–
18-Nov-10	71.2	–	–	–	–	–	–	–	< 0.005	–
30-Jun-11	**848**	–	< 0.2	0.81	–	–	–	–	–	–
2-Dec-11	**1160**	–	–	0.76	–	–	–	–	–	–
27-Apr-12	**1220**	–	< 0.2	–	–	–	–	–	–	–
15-Oct-12	**1640**	**3.1**	–	–	–	–	–	–	–	–
21-Jun-13	**1218**	–	<0.5	0.82	–	–	<0.5	< 1	<0.01	–
3-Oct-13	**1180**	–	0.83	0.42	–	–	<0.5	< 1	<0.01	–
30-May-14	**1190**	–	0.2	0.57	–	–	–	1.2	–	–
2-Oct-14	**1180**	**2.99**	0.22	0.26	–	–	< 10	–	< 0.005	< 0.01
6-May-15	**1340**	–	0.55	1.6	–	–	< 10	–	< 0.005	–
4-Nov-15	**1300**	–	0.6	0.49	–	–	< 10	< 0.5	< 0.005	–
25-May-16	14	–	< 0.1	< 0.1	–	–	< 10	< 1	< 0.005	–
10-Oct-16	23	–	0.16	< 0.1	–	–	< 10	1.6	0.0073	< 0.01
27-Jun-17	13	–	0.4	< 0.1	–	–	< 10	< 10	< 0.005	–
9-Nov-17	16	–	0.3	< 0.1	–	–	< 10	< 1	< 0.005	–
26-Apr-18	10	–	0.25	< 0.1	–	–	< 10	< 1	< 0.005	–
17-Oct-18	12	–	<0.05	< 0.1	–	–	12	< 1	< 0.005	–
11-Jun-19	7	–	<0.05	0.11	–	–	< 10	< 1	< 0.005	–
10-Dec-19	50	–	<0.05	< 0.1	–	–	< 10	< 1	< 0.005	–
22-Jun-20	12	–	0.17	< 0.1	–	–	< 10	< 1	< 0.005	–
3-Dec-20	12	–	0.31	0.13	< 0.1	< 0.2	< 10	< 1	0.0057	< 10

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA
TOTAL METALS

GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
RW-B (Nolan) KITCHEN TAP											
31-Mar-98	–	–	< 0.001	< 0.3	–	< 0.005	< 0.5	–	–	–	< 0.03
22-Oct-98	0.1	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.5	< 0.01	< 0.02	0.3
10-Jun-99	0.1	< 0.003	0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.5	< 0.01	0.14	**0.35**
11-May-00	–	–	–	–	–	< 0.005	0.7	–	–	–	0.08
19-Oct-00	0.07	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.5	< 0.01	< 0.02	0.05
6-Jun-01	< 0.05	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.5	< 0.01	< 0.02	< 0.03
12-Nov-01	–	–	< 0.010	< 0.3	–	< 0.005	< 0.5	–	–	–	0.05
31-May-02	–	–	< 0.010	< 0.3	–	< 0.005	< 0.5	–	–	–	< 0.05
21-Nov-02	0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	< 0.5	< 0.5	< 0.01	0.03	0.05
16-May-03	0.15	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	0.6	< 0.5	< 0.01	< 0.02	0.08
19-Dec-03	–	–	< 0.010	< 0.3	–	< 0.005	0.5	–	–	–	0.23
27-May-04	–	–	< 0.010	< 0.3	–	< 0.005	< 0.5	–	–	–	0.08
14-Dec-04	–	–	< 0.010	< 0.3	–	< 0.005	< 0.5	–	–	–	0.07
11-May-05	–	–	< 0.010	< 0.3	–	< 0.005	1	–	–	–	0.11
17-Nov-05	–	–	< 0.010	< 0.3	–	< 0.005	3	–	–	–	0.19
30-Jun-06	–	–	< 0.500	< 0.3	–	< 0.005	2.6	–	–	–	0.07
3-Jan-07	0.05	**0.007**	< 0.010	< 0.3	< 0.005	< 0.005	5.8	< 0.5	< 0.01	0.13	0.06
28-Jun-07	–	–	< 0.500	< 0.3	–	< 0.005	18	–	–	–	0.17
31-Dec-07	–	–	< 0.500	< 0.3	–	< 0.005	4.5	–	–	–	0.1
29-May-08	–	–	< 0.010	< 0.3	–	< 0.005	2.1	–	–	–	< 0.03
28-Aug-08	< 0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	3.6	< 0.5	< 0.01	< 0.02	**0.55**
26-Nov-08	–	–	–	–	–	< 0.005	< 0.5	–	–	–	< 0.03
29-May-09	–	–	–	–	–	< 0.005	27	–	–	–	0.07
31-Dec-09	–	–	–	–	–	< 0.005	1.1	–	–	–	0.17
19-Feb-10	–	–	–	–	–	< 0.005	0.8	–	–	–	**0.56**
25-Jun-10	–	–	–	–	–	< 0.005	0.7	–	–	–	0.058
18-Nov-10	–	–	–	–	–	< 0.005	0.5	–	–	–	0.04
30-Jun-11	–	–	–	–	–	–	19	–	–	–	–
2-Dec-11	–	–	–	–	–	–	36	–	–	–	–
27-Apr-12	–	–	–	–	–	–	33	–	–	–	–
15-Oct-12	–	–	–	–	–	–	25	–	–	–	0.07
21-Jun-13	–	–	–	–	–	<0.02	26	–	–	–	<0.05
3-Oct-13	–	–	–	–	–	<0.02	23	–	–	–	<0.05
30-May-14	–	–	–	–	–	–	25	–	–	–	–
2-Oct-14	–	–	–	–	–	–	37	–	–	–	–
6-May-15	–	–	–	–	–	< 0.005	33	–	–	–	<0.1
4-Nov-15	–	–	–	–	–	< 0.005	28	–	–	–	<0.1
25-May-16	–	–	–	–	–	< 0.005	< 5	–	–	–	<0.1
10-Oct-16	–	–	–	–	–	<0.0025	1.6	–	–	–	<0.1
27-Jun-17	–	–	–	–	–	<0.0025	0.2	–	–	–	<0.1
9-Nov-17	–	–	–	–	–	<0.0025	< 0.2	–	–	–	< 0.02
26-Apr-18	–	–	–	–	–	<0.0025	< 0.2	–	–	–	0.027
17-Oct-18	–	–	–	–	–	<0.0025	< 0.2	–	–	–	< 0.02
11-Jun-19	–	–	–	–	–	<0.0025	< 0.2	–	–	–	< 0.02
10-Dec-19	–	–	–	–	–	<0.0025	< 0.2	–	–	–	< 0.02
22-Jun-20	–	–	–	–	–	<0.0025	< 0.2	–	–	–	< 0.02
3-Dec-20	< 0.2	< 0.06	< 0.01	< 0.2	< 0.005	<0.0025	< 0.2	< 0.01	–	<0.025	< 0.02

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
RW-B (Nolan) KITCHEN TAP											
31-Mar-98	0.01	< 0.5	< 0.02	< 0.0004	–	< 0.05	6	–	–	–	–
22-Oct-98	0.002	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.05	5.9	0.001	< 0.05	< 0.003	< 0.01
10-Jun-99	0.007	< 0.5	< 0.02	< 0.0004	< 0.03	0.6	16	< 0.001	< 0.05	< 0.003	0.21
11-May-00	0.007	< 0.5	< 0.02	–	–	1.3	**22**	–	–	–	–
19-Oct-00	0.003	< 0.5	< 0.02	< 0.0004	< 0.03	1.2	**23**	< 0.001	< 0.05	< 0.003	0.01
6-Jun-01	< 0.001	< 0.5	< 0.02	< 0.0004	< 0.03	3	**22**	< 0.001	< 0.05	< 0.003	< 0.01
12-Nov-01	0.003	< 0.5	< 0.02	< 0.0004	–	< 0.5	6.2	–	–	–	–
31-May-02	0.003	< 0.5	< 0.02	< 0.0004	–	< 0.5	7.7	–	–	–	–
21-Nov-02	< 0.001	< 0.5	< 0.02	< 0.0004	< 0.03	0.7	6.1	< 0.005	< 0.05	< 0.003	0.03
16-May-03	< 0.001	< 0.5	< 0.02	< 0.0004	0.04	< 0.5	10	< 0.005	< 0.05	< 0.003	0.04
19-Dec-03	0.001	< 0.5	< 0.02	< 0.0004	–	0.6	12	–	–	–	–
27-May-04	0.003	< 0.5	< 0.02	< 0.0004	–	< 0.5	10	–	–	–	–
14-Dec-04	0.003	< 0.5	< 0.02	< 0.0004	–	< 0.5	11	–	–	–	–
11-May-05	< 0.001	< 0.5	< 0.02	< 0.0004	–	1.8	8	–	–	–	–
17-Nov-05	< 0.001	< 0.5	< 0.02	< 0.0004	–	2.4	5.6	–	–	–	–
30-Jun-06	0.005	0.9	< 0.02	< 0.0004	–	1.2	13	–	–	–	–
3-Jan-07	0.005	0.5	< 0.02	< 0.0004	< 0.03	1.1	9.6	< 0.005	< 0.05	< 0.003	0.29
28-Jun-07	< 0.003	0.9	< 0.02	< 0.0004	–	46	**650**	–	–	–	–
31-Dec-07	0.006	< 0.5	< 0.02	< 0.0004	–	1.5	5.6	–	–	–	–
29-May-08	0.004	< 0.5	< 0.02	< 0.0002	–	< 0.5	11	–	–	–	–
28-Aug-08	< 0.003	< 0.5	< 0.02	< 0.0004	< 0.03	4.3	**87**	< 0.005	< 0.05	< 0.003	0.09
26-Nov-08	0.016	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.5	14	–	–	–	–
29-May-09	< 0.001	1.4	< 0.02	–	–	41	**730**	–	–	–	–
31-Dec-09	0.002	< 0.5	< 0.02	–	–	0.6	18	–	–	–	–
19-Feb-10	< 0.001	< 0.5	0.03	–	–	< 0.5	7.5	–	–	–	–
25-Jun-10	< 0.001	< 0.5	< 0.02	–	–	< 0.05	18	–	–	–	–
18-Nov-10	–	–	–	–	–	0.06	19	–	–	–	–
30-Jun-11	–	0.98	–	–	–	25	**690**	–	–	–	–
2-Dec-11		1.3	0.023	–	–	35	**730**	–	–	–	–
27-Apr-12	–	1	–	–	–	32	**650**	–	–	–	–
21-Jun-12	–	1.1	–	–	–	20	**780**	–	–	–	–
16-Oct-13	<0.001	1.1	0.11	–	–	29	**616**	–	–	–	–
3-Oct-13	< 0.02	< 1.0	0.12	–	–	23	**663**	–	–	–	–
30-May-14	–	–	0.04	–	–	20	**624**	–	–	–	–
2-Oct-14	–	1.2	0.08	–	–	15	**536**	–	–	–	**0.05**
6-May-15	–	< 0.5	0.13	–	–	28	**701**	–	–	–	–
4-Nov-15	< 0.003	< 0.5	0.09	–	–	26	**754**	–	–	–	–
25-May-16	< 0.003	< 0.5	< 0.15	–	–	< 5	**61**	–	–	–	–
10-Oct-16	< 0.005	< 0.2	< 0.01	–	–	< 5	**46.5**	–	–	–	–
27-Jun-17	< 0.005	< 0.2	< 0.01	–	–	< 5	12.4	–	–	–	–
9-Nov-17	0.0051	< 0.2	< 0.01	–	–	< 5	**141**	–	–	–	–
26-Apr-18	< 0.005	< 0.2	< 0.01	–	–	< 5	9.5	–	–	–	–
17 Oct-18	< 0.005	< 0.2	< 0.01	–	–	< 5	8.9	–	–	–	–
11-Jun-19	< 0.005	< 0.2	< 0.01	–	–	< 5	7.4	–	–	–	–
10-Dec-19	< 0.005	< 0.2	< 0.01	–	–	< 5	13.6	–	–	–	–
22-Jun-20	< 0.005	< 0.2	< 0.01	–	–	< 5	11.5	–	–	–	–
3-Dec-20	< 0.005	< 0.2	< 0.01	< 0.2	< 0.04	< 5	**43.8**	< 0.01	< 0.01	< 0.01	0.023

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
RW-B (Nolan) KITCHEN TAP											
31-Mar-98	–	–	–	–	–	–	–	–	–	–	–
22-Oct-98	–	–	–	–	–	–	–	–	–	–	–
10-Jun-99	–	–	–	–	–	–	–	–	–	–	–
11-May-00	–	–	–	–	–	–	–	–	–	–	–
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
19-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	–	–	–	–	–	–	–	–	–	–	–
14-Dec-04	–	–	–	–	–	–	–	–	–	–	–
11-May-05	–	–	–	–	–	–	–	–	–	–	–
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
30-Jun-06	–	–	–	–	–	–	–	–	–	–	–
3-Jan-07	–	–	–	–	–	–	–	–	–	–	–
28-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Dec-07	–	–	–	–	–	–	–	–	–	–	–
29-May-08	–	–	–	–	–	–	–	–	–	–	–
28-Aug-08	–	–	–	–	–	–	–	–	–	–	–
26-Nov-08	–	–	–	–	–	–	–	–	–	–	–
29-May-09	–	–	–	–	–	–	–	–	–	–	–
31-Dec-09	–	–	–	–	–	–	–	–	–	–	–
19-Feb-10	–	–	–	–	–	–	–	–	–	–	–
25-Jun-10	–	–	–	–	–	–	–	–	–	–	–
18-Nov-10	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
2-Dec-11	–	–	–	–	–	–	–	–	–	–	–
27-Apr-12	–	–	–	–	–	–	–	–	–	–	–
15-Oct-12	–	–	–	–	–	–	–	–	–	–	–
3-Oct-13	–	–	–	–	–	–	–	–	–	–	–
30-May-14	–	–	–	–	–	–	–	–	–	–	–
2-Oct-14	–	–	–	–	–	–	–	–	–	–	–
6-May-15	–	–	–	–	–	–	–	–	–	–	–
4-Nov-15	–	–	–	–	–	–	–	–	–	–	–
25-May-16	–	–	–	–	–	–	–	–	–	–	–
10-Oct-16	–	–	–	–	–	–	–	–	–	–	–
27-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Nov-17	–	–	–	–	–	–	–	–	–	–	–
26-Apr-18	–	–	–	–	–	–	–	–	–	–	–
17-Oct-18	–	–	–	–	–	–	–	–	–	–	–
11-Jun-19	–	–	–	–	–	–	–	–	–	–	–
10-Dec-19	–	–	–	–	–	–	–	–	–	–	–
22-Jun-20	–	–	–	–	–	–	–	–	–	–	–
3-Dec-20	< 0.2	< 0.06	< 0.01	< 0.2	< 0.005	<0.0025	2.2	< 0.01	–	<0.025	< 0.02

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
RW-B (Nolan) KITCHEN TAP											
31-Mar-98	–	–	–	–	–	–	–	–	–	–	–
22-Oct-98	–	–	–	–	–	–	–	–	–	–	–
10-Jun-99	–	–	–	–	–	–	–	–	–	–	–
11-May-00	–	–	–	–	–	–	–	–	–	–	–
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
19-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	–	–	–	–	–	–	–	–	–	–	–
14-Dec-04	–	–	–	–	–	–	–	–	–	–	–
11-May-05	–	–	–	–	–	–	–	–	–	–	–
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
30-Jun-06	–	–	–	–	–	–	–	–	–	–	–
3-Jan-07	–	–	–	–	–	–	–	–	–	–	–
28-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Dec-07	–	–	–	–	–	–	–	–	–	–	–
29-May-08	–	–	–	–	–	–	–	–	–	–	–
28-Aug-08	–	–	–	–	–	–	–	–	–	–	–
26-Nov-08	–	–	–	–	–	–	–	–	–	–	–
29-May-09	–	–	–	–	–	–	–	–	–	–	–
31-Dec-09	–	–	–	–	–	–	–	–	–	–	–
19-Feb-10	–	–	–	–	–	–	–	–	–	–	–
25-Jun-10	–	–	–	–	–	–	–	–	–	–	–
18-Nov-10	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
2-Dec-11	–	–	–	–	–	–	–	–	–	–	–
27-Apr-12	–	–	–	–	–	–	–	–	–	–	–
15-Oct-12	–	–	–	–	–	–	–	–	–	–	–
3-Oct-13	–	–	–	–	–	–	–	–	–	–	–
30-May-14	–	–	–	–	–	–	–	–	–	–	–
2-Oct-14	–	–	–	–	–	–	–	–	–	–	–
6-May-15	–	–	–	–	–	–	–	–	–	–	–
4-Nov-15	–	–	–	–	–	–	–	–	–	–	–
25-May-16	–	–	–	–	–	–	–	–	–	–	–
10-Oct-16	–	–	–	–	–	–	–	–	–	–	–
27-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Nov-17	–	–	–	–	–	–	–	–	–	–	–
26-Apr-18	–	–	–	–	–	–	–	–	–	–	–
17-Oct-18	–	–	–	–	–	–	–	–	–	–	–
11-Jun-19	–	–	–	–	–	–	–	–	–	–	–
10-Dec-19	–	–	–	–	–	–	–	–	–	–	–
22-Jun-20	–	–	–	–	–	–	–	–	–	–	–
3-Dec-20	< 0.005	< 0.2	< 0.01	< 0.2	< 0.04	< 5	10.6	< 0.01	< 0.01	< 0.01	< 0.02

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	FIELD PARAMETERS				INORGANIC PARAMETERS					
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/L CaCO3)	HARD. (mg/L CaCO3)	TDS (mg/L)	Cl (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	–	6.5-8.5	–	15	5	–	–	500	250
RW-C (Davis)										
KITCHEN TAP										
31-Mar-98	61	105	7.9	29	–	0.84	< 10	< 3	18	< 1
22-Oct-98	57	200	7	42	< 5	**8.61**	10	3	15	1
10-Jun-99	72	220	**6**	4.9	< 5	0.55	15	< 3	< 10	1
11-May-00	63	285	**6.4**	140	–	0.38	45	< 3	100	12
19-Oct-00	56	110	8.3	870	7	1.1	< 10	< 3	90	2
19-Jan-01	–	–	–	–	–	–	–	–	–	–
6-Jun-01	65	-116	8.4	1719	< 5	1.28	130	3	**1300**	110
12-Nov-01	53	-93	**8.7**	207	–	1.84	26	–	170	9
31-May-02	67	-23	7.2	72	–	0.29	< 10	3	130	5
21-Nov-02	58	-31	7	1245	6	1.9	170	< 3	**880**	110
16-May-03	58	-45	7.7	1593	5	0.1	19	< 3	< 25	1
19-Dec-03	44	-8	8.4	263	–	< 0.05	17	< 3	23	1
27-May-04	63	-94	8.1	823	–	< 0.05	11	< 3	108	2
14-Dec-04	49	-55	7.8	848	–	< 0.05	880	3	82	5
11-May-05	67	-65	8	163	–	< 0.05	20	5	< 25	5
17-Nov-05	58	-60	7.7	93	–	0.18	< 10	< 3	50	3
30-Jun-06	73	-60	8.4	128	–	0.16	17	4	57	3
3-Jan-07	48	-45	8.3	352	7	1.33	16	4	< 25	6
28-Jun-07	65	-163	7.8	479	–	0.8	13	11	**2050**	5
31-Dec-07	65	-61	8.1	636	–	< 0.05	22	4	30	3
29-May-08	61	-161	8.5	637	–	0.11	14	< 3	48	2
20-Aug-08	–	–	–	–	–	–	–	–	–	–
26-Nov-08	66	-108	**8.9**	926	< 5	0.24	13	< 3	< 25	4
29-May-09	65	161	7.8	1690	–	0.21	29	34	**1900**	3
31-Dec-09	58	126	7.6	308	–	1.04	150	44	**2100**	99
19-Feb-10	64	152	8	335	–	1.91	13	< 1	< 25	2
25-Jun-10	67	181	7.64	643	–	0.3	11.3	–	200	3
18-Nov-10	64	128	8	568	–	2.55	56	7	110	27
30-Jun-11	70	31	8	3015	–	1.03	140	47	**1800**	103
2-Dec-11	50	-39	8.1	298	–	**5.36**	180	130	**1900**	110
27-Apr-12	59	1.5	7.5	22900	–	0.28	160	31	**2000**	110
15-Oct-12	69	64	7.6	3450	–	<0.1	170	28	**2100**	103
21-Jun-13	64	130	7.2	3200	–	< 1.0	148	40	**2012**	90
7-Oct-13	67	-32	7.9	2520	–	1	154	12	**1998**	105
13-May-14	64	29	7.2	2854	–	–	143	27	**1970**	98
2-Oct-14	57	117	7.5	2520	–	6.7	159	720	**2070**	94
5-May-15	59	59	7.2	2860	–	< 1.0	141	34	**1940**	99
4-Nov-15	63	86	7.4	2680	–	< 1.0	129	10	**1930**	89
25-May-16	59	64	7.4	2730	–	< 1.0	138	29	**1920**	81
10-Oct-16	56	62	8.0	2540	< 5.0	< 1.0	147	28	**1720**	118
27-Jun-17	60	69	6.2	166	–	< 1.0	8	21	70	13
9-Nov-17	54	-101	5.9	120	–	1.1	5	< 5	75	9
26-Apr-18	52	87	6.4	125	–	< 1.0	5.4	< 5	75	8
17-Oct-18	61	-55	6.7	129	–	< 1.0	6.1	13	58	12
11-Jun-19	60	-48	6.4	105	–	< 1.0	6.8	< 5	57	10
10-Dec-20	55	20	6.9	115	–	< 1.0	5.7	< 5	92	7
22-Jun-20	66	-38	6.8	97	–	< 1.0	8.4	< 5	78	10
3-Dec-20	55	-140	8.6	134	–	1.4	6.7	< 5	71	8

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA
INORGANIC MATERIALS

GROUND WATER	SO4 (mg/L)	BORON (mg/L)	NO3-N (mg/L)	NH3-N (MG/L)	TKN (mg/L)	BOD-5 (mg/L)	COD (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1	10	2	–	–	–	–	0.001	0.1
RW-C (Davis) **KITCHEN TAP**										
31-Mar-98	< 5.0	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
22-Oct-98	8	**1.9**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	6	**1.7**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
11-May-00	7	–	0.4	< 0.5	–	–	< 20	< 1	< 0.005	–
19-Oct-00	9	**1.8**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
19-Jan-01	–	–	–	–	–	–	–	–	–	–
6-Jun-01	**1100**	**2.6**	0.5	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	100	–	< 0.2	< 0.5	–	–	< 20	< 1	< 0.005	–
31-May-02	70	–	< 0.2	< 0.5	–	–	21	< 3	< 0.005	–
21-Nov-02	**1200**	**2.5**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
16-May-03	< 5.0	**1.6**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
19-Dec-03	9	–	< 0.2	0.8	–	–	< 20	< 3	< 0.005	–
27-May-04	39.1	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
14-Dec-04	15	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
11-May-05	< 5.0	–	< 0.2	< 0.5	–	–	< 20	< 3	**0.007**	–
17-Nov-05	11.5	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
30-Jun-06	7.3	–	< 0.2	0.5	–	–	< 20	< 3	< 0.005	–
3-Jan-07	< 5.0	**1.5**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
28-Jun-07	20.5	–	0.4	< 0.5	–	–	< 20	< 3	< 0.005	–
31-Dec-07	5.1	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
29-May-08	11.4	–	**17.4**	< 0.5	–	–	< 20	< 3	< 0.005	–
20-Aug-08	–	–	0.3	–	–	–	–	–	–	–
26-Nov-08	17	**1.1**	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
29-May-09	34	–	< 0.2	< 0.5	–	–	< 20	< 3	< 0.005	–
31-Dec-09	**1140**	–	< 0.2	0.5	–	–	< 20	< 3	< 0.005	–
19-Feb-10	13.5	–	0.1	< 0.5	–	–	< 20	< 3	< 0.005	–
25-Jun-10	7.77	–	0.089	< 0.5	< 0.5	–	< 20	< 3	< 0.005	–
18-Nov-10	54	–	0.14	–	–	–	–	–	–	–
30-Jun-11	704	–	–	0.88	–	–	–	–	–	–
1-Dec-11	1500	–	–	1.39	–	–	–	–	–	–
27-Apr-12	**1080**	–	–	–	–	–	–	–	–	–
21-Jun-13	**1400**	**3.6**	–	–	–	–	–	–	–	–
16-Oct-12	**1180**	–	<0.05	0.22	–	–	< 5.0	–	< 0.01	–
7-Oct-13	**1140**	–	0.048	0.19	–	–	< 5.0	–	< 0.01	–
13-May-14	**1150**	–	–	0.67	–	–	–	0.54	–	–
2-Oct-14	**1180**	**3.3**	–	**3.27**	3.3	–	< 10	–	< 0.005	< 0.01
5-May-15	**1380**	–	< 0.1	0.23	–	–	< 10	–	< 0.005	–
4-Nov-15	**1240**	–	0.37	< 0.10	–	–	< 10	< 0.5	< 0.005	–
25-May-16	**1100**	–	< 0.1	0.19	–	–	< 10	< 1.0	**0.011**	–
10-Oct-16	**1400**	–	0.16	0.53	–	–	< 10	1.7	< 0.005	–
27-Jun-17	46	–	0.12	< 0.10	–	–	< 10	< 10	< 0.006	–
9-Nov-17	29	–	<0.05	< 0.10	–	–	< 10	< 1.0	< 0.007	–
26-Apr-18	34	–	0.057	< 0.10	–	–	< 10	< 1.0	0.009	–
17-Oct-18	37	–	<0.05	< 0.10	–	–	< 10	< 1.0	< 0.005	–
11-Jun-19	33	–	<0.05	< 0.10	–	–	< 10	< 1.0	< 0.005	–
10-Dec-20	31	–	<0.05	< 0.10	–	–	< 10	< 1.0	< 0.005	–
22-Jun-20	35	–	<0.05	< 0.10	–	–	< 10	2.6	< 0.005	–
3-Dec-20	25	**2.3**	<0.05	< 0.10	< 0.10	< 2	< 10	< 1.0	< 0.005	< 0.10

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
RW-C (Davis)											
KITCHEN TAP											
31-Mar-98	–	–	0.002	< 0.3	–	< 0.005	< 0.5	–	–	–	< 0.03
22-Oct-98	< 0.05	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.05	< 0.01	< 0.02	0.04
10-Jun-99	0.1	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.05	< 0.01	0.02	0.11
11-May-00	–	–	–	–	–	< 0.005	< 0.5	–	–	–	0.06
19-Oct-00	0.07	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.05	< 0.01	0.07	< 0.03
19-Jan-01	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	< 0.05	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.05	< 0.01	< 0.02	0.09
12-Nov-01	–	–	< 0.010	< 0.3	–	< 0.005	< 0.5	–	–	–	0.04
31-May-02	–	–	< 0.010	< 0.3	–	< 0.005	< 0.5	–	–	–	0.07
21-Nov-02	< 0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	< 0.5	< 0.05	< 0.01	< 0.02	0.19
16-May-03	0.15	**0.006**	< 0.010	< 0.3	< 0.005	0.006	0.5	< 0.05	< 0.01	< 0.02	0.06
19-Dec-03	–	–	< 0.010	< 0.3	–	< 0.005	< 0.5	–	–	–	0.03
27-May-04	–	–	< 0.010	< 0.3	–	< 0.005	0.6	–	–	–	0.07
14-Dec-04	–	–	< 0.010	< 0.3	–	0.007	1.1	–	–	–	0.09
11-May-05	–	–	< 0.010	< 0.3	–	< 0.005	1.4	–	–	–	0.06
17-Nov-05	–	–	< 0.010	< 0.3	–	< 0.005	0.8	–	–	–	0.09
30-Jun-06	–	–	< 0.500	< 0.3	–	< 0.005	1.1	–	–	–	0.08
3-Jan-07	0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	1.2	< 0.05	< 0.01	0.14	0.05
28-Jun-07	–	–	< 0.500	< 0.3	–	< 0.005	3.9	–	–	–	0.04
31-Dec-07	–	–	< 0.500	< 0.3	–	< 0.005	1.2	–	–	–	< 0.03
29-May-08	–	–	< 0.010	< 0.3	–	< 0.005	< 0.5	–	–	–	< 0.03
20-Aug-08	–	–	–	–	–	–	–	–	–	–	–
26-Nov-08	< 0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	0.5	< 0.05	< 0.01	**0.22**	0.04
29-May-09	–	–	–	–	–	< 0.005	14	–	–	–	< 0.03
31-Dec-09	–	–	–	–	–	< 0.005	16	–	–	–	0.13
19-Feb-10	–	–	–	–	–	< 0.005	< 0.5	–	–	–	< 0.03
25-Jun-10	–	–	–	–	–	< 0.005	< 0.5	–	–	–	< 0.03
18-Nov-10	–	–	–	–	–	–	2.2	–	–	–	0.13
30-Jun-11	–	–	–	–	–	–	17	–	–	–	0.17
2-Dec-11	–	–	–	–	–	–	50	–	–	–	0.19
27-Apr-12	–	–	–	–	–	–	12	–	–	–	0.08
15-Oct-12	–	–	–	–	–	–	11	–	–	–	0.1
21-Jun-13	–	–	–	–	–	<0.02	16	–	–	–	0.09
7-Oct-13	–	–	–	–	–	<0.02	12	–	–	–	0.078
13-May-14	–	–	–	–	–	–	11	–	–	–	0.11
2-Oct-14	–	–	–	–	–	–	266	–	–	0.07	**0.33**
5-May-15	–	–	–	–	–	< 0.005	104	–	–	–	< 0.1
4-Nov-15	–	–	–	–	–	< 0.005	5.3	–	–	–	< 0.1
25-May-16	–	–	–	–	–	< 0.005	14	–	–	–	< 0.1
10-Oct-16	–	–	–	–	–	< 0.0025	11	–	–	–	< 0.1
27-Jun-17	–	–	–	–	–	< 0.0025	0.8	–	–	–	< 0.1
9-Nov-17	–	–	–	–	–	< 0.0025	0.8	–	–	–	< 0.02
26-Apr-18	–	–	–	–	–	< 0.0025	1.6	–	–	–	< 0.02
17-Oct-18	–	–	–	–	–	< 0.0025	3.5	–	–	–	< 0.02
11-Jun-19	–	–	–	–	–	< 0.0025	< 0.2	–	–	–	< 0.02
10-Dec-20	–	–	–	–	–	< 0.0025	< 0.2	–	–	–	< 0.02
22-Jun-20	–	–	–	–	–	< 0.0025	< 0.2	–	–	–	< 0.02
3-Dec-20	< 0.2	< 0.06	< 0.01	< 0.2	< 0.005	<0.0025	< 0.2	< 0.01	–	<0.025	< 0.02

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
RW-C (Davis)											
KITCHEN TAP											
31-Mar-98	0.005	< 0.5	< 0.02	< 0.0004	–	< 0.05	4.2	–	–	–	–
22-Oct-98	0.002	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.05	6.1	< 0.001	< 0.05	< 0.003	< 0.01
10-Jun-99	0.003	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.05	5.3	< 0.001	< 0.05	< 0.003	0.02
11-May-00	0.003	< 0.5	< 0.02	–	–	2	**28**	–	–	–	–
19-Oct-00	0.008	< 0.5	< 0.02	< 0.0004	< 0.03	1	8.1	0.002	< 0.05	< 0.003	0.06
19-Jan-01	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	0.003	< 0.5	< 0.02	< 0.0004	< 0.03	12	**420**	< 0.001	< 0.05	< 0.003	0.06
12-Nov-01	0.003	< 0.5	< 0.02	–	–	0.5	**53**	–	–	–	–
31-May-02	0.005	< 0.5	< 0.02	< 0.0004	–	< 0.5	14	–	–	–	–
21-Nov-02	< 0.001	< 0.5	< 0.02	< 0.0004	< 0.03	1.1	**290**	< 0.005	< 0.05	< 0.003	0.09
16-May-03	0.001	< 0.5	< 0.02	< 0.0004	0.04	< 0.5	4.5	< 0.005	< 0.05	< 0.003	0.02
19-Dec-03	0.002	< 0.5	< 0.02	< 0.0004	–	< 0.5	6.8	–	–	–	–
27-May-04	0.003	< 0.5	< 0.02	< 0.0004	–	1.1	6.2	–	–	–	–
14-Dec-04	0.004	< 0.5	< 0.02	< 0.0004	–	1.6	7.3	–	–	–	–
11-May-05	0.002	< 0.5	< 0.02	< 0.0004	–	1.4	5.5	–	–	–	–
17-Nov-05	< 0.001	< 0.5	< 0.02	< 0.0004	–	1.2	7.2	–	–	–	–
30-Jun-06	0.008	< 0.5	< 0.02	< 0.0004	–	0.8	8.3	–	–	–	–
3-Jan-07	0.004	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.5	6.3	< 0.005	< 0.05	< 0.003	**0.33**
28-Jun-07	0.005	< 0.5	< 0.02	< 0.0004	–	0.8	11	–	–	–	–
31-Dec-07	0.006	< 0.5	< 0.02	< 0.0004	–	< 0.5	6.3	–	–	–	–
29-May-08	< 0.003	< 0.5	< 0.02	< 0.0002	–	< 0.5	7.6	–	–	–	–
20-Aug-08	–	–	–	–	–	–	–	–	–	–	–
26-Nov-08	0.004	< 0.5	< 0.02	< 0.0004	< 0.03	0.7	11	< 0.005	< 0.05	< 0.003	**0.45**
29-May-09	0.003	< 0.5	< 0.02	–	–	25	**650**	–	–	–	–
31-Dec-09	< 0.001	0.8	< 0.02	–	–	42	**620**	–	–	–	–
19-Feb-10	0.002	< 0.5	< 0.02	–	–	< 0.5	6	–	–	–	–
25-Jun-10	–	< 0.5	< 0.02	–	–	< 0.5	8.6	–	–	–	–
18-Nov-10	–	–	–	–	–	7	**71**	–	–	–	–
30-Jun-11	–	0.91	0.06	–	–	27	**680**	–	–	–	–
2-Dec-11	–	2	0.04	–	–	29	**710**	–	–	–	–
27-Apr-12	–	–	–	–	–	34	**680**	–	–	–	–
15-Oct-12	–	–	–	–	–	12	**760**	–	–	–	–
21-Jun-13	<0.001	0.5	<0.01	–	–	18	**628**	–	–	–	–
7-Oct-13	< 0.02	< 1.0	< 0.01	–	–	12	**709**	–	–	–	–
13-May-14	–	–	< 0.01	–	–	17	**624**	–	–	–	–
2-Oct-14	–	13.5	0.04	–	–	47	**302**	–	–	–	0.05
5-May-15	<0.003	< 5.0	<0.015	–	–	16	**694**	–	–	–	–
4-Nov-15	<0.003	< 5.0	<0.015	–	–	9.5	**759**	–	–	–	–
25-May-16	0.0045	< 5.0	<0.015	–	–	11	**690**	–	–	–	–
10-Oct-16	0.005	0.4	< 0.01	–	–	18	**774**	–	–	–	–
27-Jun-17	< 0.005	< 0.2	< 0.01	–	–	< 0.5	**130**	–	–	–	–
9-Nov-17	< 0.005	< 0.2	< 0.01	–	–	< 5	**241**	–	–	–	–
26-Apr-18	< 0.005	< 0.2	< 0.01	–	–	< 5	**233**	–	–	–	–
17-Oct-18	< 0.005	< 0.2	0.016	–	–	< 5	18	–	–	–	–
11-Jun-19	< 0.005	< 0.2	< 0.01	–	–	< 5	**211**	–	–	–	–
10-Dec-20	< 0.005	< 0.2	< 0.01	–	–	< 5	**212**	–	–	–	–
22-Jun-20	< 0.005	< 0.2	< 0.01	–	–	< 5	**237**	–	–	–	–
3-Dec-20	< 0.005	< 0.2	< 0.01	< 0.2	< 0.04	< 5	**24.7**	< 0.01	< 0.01	< 0.01	< 0.02

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
RW-C (Davis)											
KITCHEN TAP											
31-Mar-98	–	–	–	–	–	–	–	–	–	–	–
22-Oct-98	–	–	–	–	–	–	–	–	–	–	–
10-Jun-99	–	–	–	–	–	–	–	–	–	–	–
11-May-00	–	–	–	–	–	–	–	–	–	–	–
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
19-Jan-01	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
19-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	–	–	–	–	–	–	–	–	–	–	–
14-Dec-04	–	–	–	–	–	–	–	–	–	–	–
11-May-05	–	–	–	–	–	–	–	–	–	–	–
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
30-Jun-06	–	–	–	–	–	–	–	–	–	–	–
3-Jan-07	–	–	–	–	–	–	–	–	–	–	–
28-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Dec-07	–	–	–	–	–	–	–	–	–	–	–
29-May-08	–	–	–	–	–	–	–	–	–	–	–
20-Aug-08	–	–	–	–	–	–	–	–	–	–	–
26-Nov-08	–	–	–	–	–	–	–	–	–	–	–
29-May-09	–	–	–	–	–	–	–	–	–	–	–
31-Dec-09	–	–	–	–	–	–	–	–	–	–	–
19-Feb-10	–	–	–	–	–	–	–	–	–	–	–
25-Jun-10	–	–	–	–	–	–	–	–	–	–	–
18-Nov-10	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
2-Dec-11	–	–	–	–	–	–	–	–	–	–	–
27-Apr-12	–	–	–	–	–	–	–	–	–	–	–
15-Oct-12	–	–	–	–	–	–	–	–	–	–	–
7-Oct-13	–	–	–	–	–	–	–	–	–	–	–
13-May-14	–	–	–	–	–	–	–	–	–	–	–
2-Oct-14	–	–	–	–	–	–	–	–	–	–	–
5-May-15	–	–	–	–	–	–	–	–	–	–	–
4-Nov-15	–	–	–	–	–	–	–	–	–	–	–
25-May-16	–	–	–	–	–	–	–	–	–	–	–
10-Oct-16	–	–	–	–	–	–	–	–	–	–	–
27-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Nov-17	–	–	–	–	–	–	–	–	–	–	–
26-Apr-18	–	–	–	–	–	–	–	–	–	–	–
17-Oct-18	–	–	–	–	–	–	–	–	–	–	–
11-Jun-19	–	–	–	–	–	–	–	–	–	–	–
10-Dec-20	–	–	–	–	–	–	–	–	–	–	–
3-Dec-20	< 0.2	< 0.06	< 0.01	< 0.2	< 0.005	<0.0025	< 0.2	< 0.01	–	<0.025	< 0.02

VAN BUREN LANDFILL (CLOSED)
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TOTAL METALS

GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
RW-C (Davis)											
KITCHEN TAP											
31-Mar-98	–	–	–	–	–	–	–	–	–	–	–
22-Oct-98	–	–	–	–	–	–	–	–	–	–	–
10-Jun-99	–	–	–	–	–	–	–	–	–	–	–
11-May-00	–	–	–	–	–	–	–	–	–	–	–
19-Oct-00	–	–	–	–	–	–	–	–	–	–	–
19-Jan-01	–	–	–	–	–	–	–	–	–	–	–
6-Jun-01	–	–	–	–	–	–	–	–	–	–	–
12-Nov-01	–	–	–	–	–	–	–	–	–	–	–
31-May-02	–	–	–	–	–	–	–	–	–	–	–
21-Nov-02	–	–	–	–	–	–	–	–	–	–	–
16-May-03	–	–	–	–	–	–	–	–	–	–	–
19-Dec-03	–	–	–	–	–	–	–	–	–	–	–
27-May-04	–	–	–	–	–	–	–	–	–	–	–
14-Dec-04	–	–	–	–	–	–	–	–	–	–	–
11-May-05	–	–	–	–	–	–	–	–	–	–	–
17-Nov-05	–	–	–	–	–	–	–	–	–	–	–
30-Jun-06	–	–	–	–	–	–	–	–	–	–	–
3-Jan-07	–	–	–	–	–	–	–	–	–	–	–
28-Jun-07	–	–	–	–	–	–	–	–	–	–	–
31-Dec-07	–	–	–	–	–	–	–	–	–	–	–
29-May-08	–	–	–	–	–	–	–	–	–	–	–
20-Aug-08	–	–	–	–	–	–	–	–	–	–	–
26-Nov-08	–	–	–	–	–	–	–	–	–	–	–
29-May-09	–	–	–	–	–	–	–	–	–	–	–
31-Dec-09	–	–	–	–	–	–	–	–	–	–	–
19-Feb-10	–	–	–	–	–	–	–	–	–	–	–
25-Jun-10	–	–	–	–	–	–	–	–	–	–	–
18-Nov-10	–	–	–	–	–	–	–	–	–	–	–
30-Jun-11	–	–	–	–	–	–	–	–	–	–	–
2-Dec-11	–	–	–	–	–	–	–	–	–	–	–
27-Apr-12	–	–	–	–	–	–	–	–	–	–	–
15-Oct-12	–	–	–	–	–	–	–	–	–	–	–
7-Oct-13	–	–	–	–	–	–	–	–	–	–	–
13-May-14	–	–	–	–	–	–	–	–	–	–	–
2-Oct-14	–	–	–	–	–	–	–	–	–	–	–
5-May-15	–	–	–	–	–	–	–	–	–	–	–
4-Nov-15	–	–	–	–	–	–	–	–	–	–	–
25-May-16	–	–	–	–	–	–	–	–	–	–	–
10-Oct-16	–	–	–	–	–	–	–	–	–	–	–
27-Jun-17	–	–	–	–	–	–	–	–	–	–	–
9-Nov-17	–	–	–	–	–	–	–	–	–	–	–
26-Apr-18	–	–	–	–	–	–	–	–	–	–	–
17-Oct-18	–	–	–	–	–	–	–	–	–	–	–
11-Jun-19	–	–	–	–	–	–	–	–	–	–	–
10-Dec-20	–	–	–	–	–	–	–	–	–	–	–
3-Dec-20	< 0.005	< 0.2	< 0.01	< 0.2	< 0.04	< 5	**20.4**	< 0.01	< 0.01	< 0.01	< 0.02

Appendix D

Sampling Data

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

December 23, 2020

Tony Scala
Enalytic, LLC
6034 Corporate Drive
East Syracuse, NY 13057

RE: Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Dear Tony Scala:

Enclosed are the analytical results for sample(s) received by the laboratory on December 04, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville
- Pace National - Mt. Juliet

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

Sincerely,

Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Cherie Cristman, Enalytic, LLC
Carole Scala, Enalytic, LLC

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Pace Analytical Services Long Island
575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

Pace Analytical Services National
12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

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Melville, NY 11747
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SAMPLE ANALYTE COUNT

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70155559001	MW-5S	EPA 6010C	CAM	21	PACE-MV
		EPA 6010C	KM1	21	PACE-MV
		EPA 7470A	ABL, SD	1	PAN
		EPA 180.1	DJM	1	PACE-MV
		SM22 2120B	HMH	2	PACE-MV
		SM22 2320B	GFD	1	PACE-MV
		SM22 2540C	NJS	1	PACE-MV
		EPA 410.4	JCA	1	PACE-MV
		SM22 5210B	VNS	1	PACE-MV
		EPA 7196A	HMH	1	PACE-MV
		EPA 300.0	JAC	2	PACE-MV
		EPA 351.2	AKS	1	PACE-MV
		EPA 353.2	PGL	2	PACE-MV
		EPA 353.2	PGL	1	PACE-MV
		EPA 420.1	KS1	1	PACE-MV
		SM22 4500 NH3 H	BNK	1	PACE-MV
		EPA 9014 Total Cyanide	SD1	1	PACE-MV
		EPA 9060A	HMH	5	PACE-MV
70155559002	MW-5D	EPA 6010C	KM1	21	PACE-MV
		EPA 6010C	KM1	21	PACE-MV
		EPA 7470A	ABL, SD	1	PAN
		EPA 180.1	DJM	1	PACE-MV
		SM22 2120B	HMH	2	PACE-MV
		SM22 2320B	GFD	1	PACE-MV
		SM22 2540C	NJS	1	PACE-MV
		EPA 410.4	JCA	1	PACE-MV
		SM22 5210B	VNS	1	PACE-MV
		EPA 7196A	HMH	1	PACE-MV
		EPA 300.0	JAC	2	PACE-MV
		EPA 351.2	AKS	1	PACE-MV
		EPA 353.2	PGL	2	PACE-MV
		EPA 353.2	PGL	1	PACE-MV
		EPA 420.1	KS1	1	PACE-MV
		SM22 4500 NH3 H	BNK	1	PACE-MV
		EPA 9014 Total Cyanide	SD1	1	PACE-MV
		EPA 9060A	HMH	5	PACE-MV
70155559003	MW-6S	EPA 6010C	KM1	21	PACE-MV

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SAMPLE ANALYTE COUNT

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470A	SD	1	PAN
		EPA 180.1	DJM	1	PACE-MV
		SM22 2120B	HMH	2	PACE-MV
		SM22 2320B	GFD	1	PACE-MV
		SM22 2540C	NJS	1	PACE-MV
		EPA 410.4	JCA	1	PACE-MV
		SM22 5210B	VNS	1	PACE-MV
		EPA 7196A	HMH	1	PACE-MV
		EPA 300.0	JAC	2	PACE-MV
		EPA 351.2	AKS	1	PACE-MV
		EPA 353.2	PGL	2	PACE-MV
		EPA 353.2	PGL	1	PACE-MV
		EPA 420.1	KS1	1	PACE-MV
		SM22 4500 NH3 H	BNK	1	PACE-MV
		EPA 9014 Total Cyanide	SD1	1	PACE-MV
		EPA 9060A	HMH	5	PACE-MV
70155559004	MW-6D	EPA 6010C	KM1	21	PACE-MV
		EPA 7470A	SD	1	PAN
		EPA 180.1	DJM	1	PACE-MV
		SM22 2120B	HMH	2	PACE-MV
		SM22 2320B	GFD	1	PACE-MV
		SM22 2540C	NJS	1	PACE-MV
		EPA 410.4	JCA	1	PACE-MV
		SM22 5210B	VNS	1	PACE-MV
		EPA 7196A	HMH	1	PACE-MV
		EPA 300.0	JAC	2	PACE-MV
		EPA 351.2	AKS	1	PACE-MV
		EPA 353.2	PGL	2	PACE-MV
		EPA 353.2	PGL	1	PACE-MV
		EPA 420.1	KS1	1	PACE-MV
		SM22 4500 NH3 H	BNK	1	PACE-MV
		EPA 9014 Total Cyanide	JM3	1	PACE-MV
		EPA 9060A	HMH	5	PACE-MV
70155559005	MW-8S	EPA 6010C	KM1	21	PACE-MV
		EPA 7470A	SD	1	PAN
		EPA 180.1	DJM	1	PACE-MV
		SM22 2120B	HMH	2	PACE-MV

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SAMPLE ANALYTE COUNT

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM22 2320B	GFD	1	PACE-MV
		SM22 2540C	NJS	1	PACE-MV
		EPA 410.4	JCA	1	PACE-MV
		SM22 5210B	VNS	1	PACE-MV
		EPA 7196A	HMH	1	PACE-MV
		EPA 300.0	JAC	2	PACE-MV
		EPA 351.2	AKS	1	PACE-MV
		EPA 353.2	PGL	2	PACE-MV
		EPA 353.2	PGL	1	PACE-MV
		EPA 420.1	KS1	1	PACE-MV
		SM22 4500 NH3 H	BNK	1	PACE-MV
		EPA 9014 Total Cyanide	JM3	1	PACE-MV
		EPA 9060A	HMH	5	PACE-MV
70155559006	MW-8D	EPA 6010C	KM1	21	PACE-MV
		EPA 6010C	KM1	21	PACE-MV
		EPA 7470A	ABL, SD	1	PAN
		EPA 180.1	DJM	1	PACE-MV
		SM22 2120B	HMH	2	PACE-MV
		SM22 2320B	GFD	1	PACE-MV
		SM22 2540C	NJS	1	PACE-MV
		EPA 410.4	JCA	1	PACE-MV
		SM22 5210B	VNS	1	PACE-MV
		EPA 7196A	HMH	1	PACE-MV
		EPA 300.0	JAC	2	PACE-MV
		EPA 351.2	AKS	1	PACE-MV
		EPA 353.2	PGL	2	PACE-MV
		EPA 353.2	PGL	1	PACE-MV
		EPA 420.1	KS1	1	PACE-MV
		SM22 4500 NH3 H	BNK	1	PACE-MV
		EPA 9014 Total Cyanide	JM3	1	PACE-MV
		EPA 9060A	HMH	5	PACE-MV
70155559007	MW-9S	EPA 6010C	KM1	21	PACE-MV
		EPA 6010C	KM1	21	PACE-MV
		EPA 7470A	ABL, SD	1	PAN
		EPA 180.1	DJM	1	PACE-MV
		SM22 2120B	HMH	2	PACE-MV
		SM22 2320B	GFD	1	PACE-MV

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SAMPLE ANALYTE COUNT

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM22 2540C	NJS	1	PACE-MV
		EPA 410.4	JCA	1	PACE-MV
		SM22 5210B	VNS	1	PACE-MV
		EPA 7196A	HMH	1	PACE-MV
		EPA 300.0	JAC	2	PACE-MV
		EPA 351.2	AKS	1	PACE-MV
		EPA 353.2	PGL	2	PACE-MV
		EPA 353.2	PGL	1	PACE-MV
		EPA 420.1	KS1	1	PACE-MV
		SM22 4500 NH3 H	BNK	1	PACE-MV
		EPA 9014 Total Cyanide	JM3	1	PACE-MV
		EPA 9060A	HMH	5	PACE-MV
70155559008	**MW-9D**	EPA 6010C	KM1	21	PACE-MV
		EPA 7470A	SD	1	PAN
		EPA 180.1	DJM	1	PACE-MV
		SM22 2120B	HMH	2	PACE-MV
		SM22 2320B	GFD	1	PACE-MV
		SM22 2540C	NJS	1	PACE-MV
		EPA 410.4	JCA	1	PACE-MV
		SM22 5210B	VNS	1	PACE-MV
		EPA 7196A	HMH	1	PACE-MV
		EPA 300.0	JAC	2	PACE-MV
		EPA 351.2	AKS	1	PACE-MV
		EPA 353.2	PGL	2	PACE-MV
		EPA 353.2	PGL	1	PACE-MV
		EPA 420.1	KS1	1	PACE-MV
		SM22 4500 NH3 H	BNK	1	PACE-MV
		EPA 9014 Total Cyanide	JM3	1	PACE-MV
		EPA 9060A	HMH	5	PACE-MV
70155559009	**MW-X (DUPE)**	EPA 6010C	KM1	21	PACE-MV
		EPA 7470A	SD	1	PAN
		EPA 180.1	DJM	1	PACE-MV
		SM22 2120B	HMH	2	PACE-MV
		SM22 2320B	GFD	1	PACE-MV
		SM22 2540C	NJS	1	PACE-MV
		EPA 410.4	JCA	1	PACE-MV
		SM22 5210B	VNS	1	PACE-MV

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

SAMPLE ANALYTE COUNT

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7196A	HMH	1	PACE-MV
		EPA 300.0	JAC	2	PACE-MV
		EPA 351.2	AKS	1	PACE-MV
		EPA 353.2	PGL	2	PACE-MV
		EPA 353.2	PGL	1	PACE-MV
		EPA 420.1	KS1	1	PACE-MV
		SM22 4500 NH3 H	BNK	1	PACE-MV
		EPA 9014 Total Cyanide	JM3	1	PACE-MV
		EPA 9060A	HMH	5	PACE-MV
70155559010	**MW-5S**	EPA 624.1	MJF	36	PACE-MV
70155559011	**MW-5D**	EPA 624.1	MJF	36	PACE-MV
70155559012	**MW-6S**	EPA 624.1	MJF	36	PACE-MV
70155559013	**MW-6D**	EPA 624.1	MJF	36	PACE-MV
70155559014	**MW-8S**	EPA 624.1	MJF	36	PACE-MV
70155559015	**MW-8D**	EPA 624.1	MJF	36	PACE-MV
70155559016	**MW-9S**	EPA 624.1	MJF	36	PACE-MV
70155559017	**MW-9D**	EPA 624.1	MJF	36	PACE-MV
70155559018	**MW-X (DUPE)**	EPA 624.1	MJF	36	PACE-MV
70155559019	**TRIP BLANK**	EPA 624.1	MJF	36	PACE-MV
70155559020	**STORAGE BLANK**	EPA 624.1	MJF	36	PACE-MV

PACE-MV = Pace Analytical Services - Melville
PAN = Pace National - Mt. Juliet

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-5S **Lab ID: 70155559001** Collected: 12/03/20 08:35 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Melville							
Field pH	**8.47**	Std. Units		1		12/03/20 08:35		
Field Temperature	**12.8**	deg C		1		12/03/20 08:35		
Field Specific Conductance	**896**	umhos/cm		1		12/03/20 08:35		
Oxygen, Dissolved	**3.48**	mg/L		1		12/03/20 08:35	7782-44-7	
Eh	**-123.4**	mV		1		12/03/20 08:35		
Field Turbidity	**>2000**	NTU		1		12/03/20 08:35		
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	**24800**	ug/L	200	1	12/10/20 10:24	12/16/20 11:01	7429-90-5	M1
Antimony	**<60.0**	ug/L	60.0	1	12/10/20 10:24	12/16/20 11:01	7440-36-0	
Arsenic	**28.2**	ug/L	10.0	1	12/10/20 10:24	12/16/20 11:01	7440-38-2	
Barium	**538**	ug/L	200	1	12/10/20 10:24	12/16/20 11:01	7440-39-3	
Beryllium	**<5.0**	ug/L	5.0	1	12/10/20 10:24	12/16/20 11:01	7440-41-7	
Boron	**138**	ug/L	50.0	1	12/10/20 10:24	12/16/20 11:01	7440-42-8	
Cadmium	**<2.5**	ug/L	2.5	1	12/10/20 10:24	12/16/20 11:01	7440-43-9	
Calcium	**270000**	ug/L	200	1	12/10/20 10:24	12/16/20 11:01	7440-70-2	
Chromium	**54.2**	ug/L	10.0	1	12/10/20 10:24	12/16/20 11:01	7440-47-3	
Copper	**60.1**	ug/L	25.0	1	12/10/20 10:24	12/16/20 11:01	7440-50-8	
Iron	**51500**	ug/L	20.0	1	12/10/20 10:24	12/16/20 11:01	7439-89-6	M1
Lead	**18.0**	ug/L	5.0	1	12/10/20 10:24	12/16/20 11:01	7439-92-1	
Magnesium	**76300**	ug/L	200	1	12/10/20 10:24	12/16/20 11:01	7439-95-4	
Manganese	**3030**	ug/L	10.0	1	12/10/20 10:24	12/16/20 11:01	7439-96-5	
Nickel	**156**	ug/L	40.0	1	12/10/20 10:24	12/16/20 11:01	7440-02-0	M1
Potassium	**15400**	ug/L	5000	1	12/10/20 10:24	12/16/20 11:01	7440-09-7	M1
Selenium	**<10.0**	ug/L	10.0	1	12/10/20 10:24	12/16/20 11:01	7782-49-2	
Silver	**<10.0**	ug/L	10.0	1	12/10/20 10:24	12/16/20 11:01	7440-22-4	M1
Sodium	**13400**	ug/L	5000	1	12/10/20 10:24	12/16/20 11:01	7440-23-5	
Thallium	**<10.0**	ug/L	10.0	1	12/10/20 10:24	12/16/20 11:01	7440-28-0	
Zinc	**113**	ug/L	20.0	1	12/10/20 10:24	12/16/20 11:01	7440-66-6	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010C Pace Analytical Services - Melville							
Aluminum, Dissolved	**1040**	ug/L	200	1		12/18/20 10:05	7429-90-5	
Antimony, Dissolved	**<60.0**	ug/L	60.0	1		12/18/20 10:05	7440-36-0	
Arsenic, Dissolved	**<10.0**	ug/L	10.0	1		12/18/20 10:05	7440-38-2	
Barium, Dissolved	**362**	ug/L	200	1		12/18/20 10:05	7440-39-3	
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		12/18/20 10:05	7440-41-7	
Boron, Dissolved	**89.5**	ug/L	50.0	1		12/18/20 10:05	7440-42-8	
Cadmium, Dissolved	**<2.5**	ug/L	2.5	1		12/18/20 10:05	7440-43-9	
Calcium, Dissolved	**181000**	ug/L	200	1		12/18/20 10:05	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		12/18/20 10:05	7440-47-3	
Copper, Dissolved	**<25.0**	ug/L	25.0	1		12/18/20 10:05	7440-50-8	
Iron, Dissolved	**3140**	ug/L	20.0	1		12/18/20 10:05	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		12/18/20 10:05	7439-92-1	

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-5S **Lab ID: 70155559001** Collected: 12/03/20 08:35 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010C Pace Analytical Services - Melville							
Magnesium, Dissolved	**40100**	ug/L	200	1		12/18/20 10:05	7439-95-4	
Manganese, Dissolved	**1340**	ug/L	10.0	1		12/18/20 10:05	7439-96-5	
Nickel, Dissolved	**<40.0**	ug/L	40.0	1		12/18/20 10:05	7440-02-0	
Potassium, Dissolved	**6400**	ug/L	5000	1		12/18/20 10:05	7440-09-7	
Selenium, Dissolved	**11.6**	ug/L	10.0	1		12/18/20 10:05	7782-49-2	
Silver, Dissolved	**<10.0**	ug/L	10.0	1		12/18/20 10:05	7440-22-4	
Sodium, Dissolved	**11700**	ug/L	5000	1		12/18/20 10:05	7440-23-5	
Thallium, Dissolved	**<10.0**	ug/L	10.0	1		12/18/20 10:05	7440-28-0	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		12/18/20 10:05	7440-66-6	
Mercury 7470A	Analytical Method: EPA 7470A Preparation Method: 7470A Pace National - Mt. Juliet							
Mercury	**<0.200**	ug/L	0.200	1	12/22/20 12:33	12/23/20 00:47	7439-97-6	
Mercury, Dissolved	**<0.200**	ug/L	0.200	1	12/22/20 12:31	12/23/20 01:37	7439-97-6	
180.1 Turbidity	Analytical Method: EPA 180.1 Pace Analytical Services - Melville							
Turbidity	**370**	NTU	50.0	50		12/05/20 08:18		
2120B W Apparent Color	Analytical Method: SM22 2120B Pace Analytical Services - Melville							
pH	**6.8**	Std. Units	0.10	1		12/05/20 08:03		
True Color	**5.0**	units	5.0	1		12/05/20 08:03		
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**827**	mg/L	1.0	1		12/14/20 16:05		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**533**	mg/L	10.0	1		12/09/20 11:31		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville							
Chemical Oxygen Demand	**63.3**	mg/L	10.0	1	12/18/20 08:55	12/18/20 11:25		
5210B BOD, 5 day	Analytical Method: SM22 5210B Preparation Method: SM22 5210B Pace Analytical Services - Melville							
BOD, 5 day	**<4.0**	mg/L	4.0	2	12/05/20 07:51	12/10/20 09:39		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196A Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		12/05/20 14:44	18540-29-9	H3

REPORT OF LABORATORY ANALYSIS

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(631)694-3040

ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-5S **Lab ID: 70155559001** Collected: 12/03/20 08:35 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	**19.9**	mg/L	2.0	1		12/16/20 06:18	16887-00-6	
Sulfate	**18.0**	mg/L	5.0	1		12/16/20 06:18	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**1.6**	mg/L	0.50	1	12/18/20 06:32	12/18/20 15:44	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**0.15**	mg/L	0.050	1		12/04/20 23:52	14797-55-8	
Nitrate-Nitrite (as N)	**0.17**	mg/L	0.050	1		12/04/20 23:52	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/04/20 22:13	14797-65-0	
Phenolics, Total Recoverable	Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville							
Phenolics, Total Recoverable	**5.5**	ug/L	5.0	1	12/16/20 09:19	12/16/20 11:56		
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.77**	mg/L	0.10	1		12/18/20 12:41	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	**<10.0**	ug/L	10.0	1	12/11/20 09:19	12/11/20 16:31	57-12-5	
9060A TOC as NPOC	Analytical Method: EPA 9060A Pace Analytical Services - Melville							
Total Organic Carbon	**2.8**	mg/L	1.0	1		12/21/20 17:13	7440-44-0	
Total Organic Carbon	**2.8**	mg/L	1.0	1		12/21/20 17:13	7440-44-0	
Total Organic Carbon	**2.8**	mg/L	1.0	1		12/21/20 17:13	7440-44-0	
Total Organic Carbon	**2.8**	mg/L	1.0	1		12/21/20 17:13	7440-44-0	
Mean Total Organic Carbon	**2.8**	mg/L	1.0	1		12/21/20 17:13	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-5D **Lab ID: 70155559002** Collected: 12/03/20 08:55 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Melville							
Field pH	**8.72**	Std. Units		1		12/03/20 08:56		
Field Temperature	**8.8**	deg C		1		12/03/20 08:56		
Field Specific Conductance	**2110**	umhos/cm		1		12/03/20 08:56		
Oxygen, Dissolved	**2.35**	mg/L		1		12/03/20 08:56	7782-44-7	
Eh	**-141.5**	mV		1		12/03/20 08:56		
Field Turbidity	**60**	NTU		1		12/03/20 08:56		
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	**<200**	ug/L	200	1	12/14/20 11:25	12/16/20 16:50	7429-90-5	
Antimony	**<60.0**	ug/L	60.0	1	12/14/20 11:25	12/16/20 16:50	7440-36-0	
Arsenic	**32.2**	ug/L	10.0	1	12/14/20 11:25	12/16/20 16:50	7440-38-2	
Barium	**<200**	ug/L	200	1	12/14/20 11:25	12/16/20 16:50	7440-39-3	
Beryllium	**<5.0**	ug/L	5.0	1	12/14/20 11:25	12/16/20 16:50	7440-41-7	
Boron	**3440**	ug/L	50.0	1	12/14/20 11:25	12/16/20 16:50	7440-42-8	
Cadmium	**<2.5**	ug/L	2.5	1	12/14/20 11:25	12/16/20 16:50	7440-43-9	
Calcium	**415000**	ug/L	200	1	12/14/20 11:25	12/16/20 16:50	7440-70-2	
Chromium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 16:50	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	12/14/20 11:25	12/16/20 16:50	7440-50-8	
Iron	**7160**	ug/L	20.0	1	12/14/20 11:25	12/16/20 16:50	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	12/14/20 11:25	12/16/20 16:50	7439-92-1	
Magnesium	**19600**	ug/L	200	1	12/14/20 11:25	12/16/20 16:50	7439-95-4	
Manganese	**105**	ug/L	10.0	1	12/14/20 11:25	12/16/20 16:50	7439-96-5	
Nickel	**<40.0**	ug/L	40.0	1	12/14/20 11:25	12/16/20 16:50	7440-02-0	
Potassium	**57500**	ug/L	5000	1	12/14/20 11:25	12/16/20 16:50	7440-09-7	
Selenium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 16:50	7782-49-2	
Silver	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 16:50	7440-22-4	M1
Sodium	**66900**	ug/L	5000	1	12/14/20 11:25	12/16/20 16:50	7440-23-5	
Thallium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 16:50	7440-28-0	
Zinc	**<20.0**	ug/L	20.0	1	12/14/20 11:25	12/16/20 16:50	7440-66-6	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010C Pace Analytical Services - Melville							
Aluminum, Dissolved	**<200**	ug/L	200	1		12/18/20 10:07	7429-90-5	
Antimony, Dissolved	**<60.0**	ug/L	60.0	1		12/18/20 10:07	7440-36-0	
Arsenic, Dissolved	**12.0**	ug/L	10.0	1		12/18/20 10:07	7440-38-2	
Barium, Dissolved	**<200**	ug/L	200	1		12/18/20 10:07	7440-39-3	
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		12/18/20 10:07	7440-41-7	
Boron, Dissolved	**3450**	ug/L	50.0	1		12/18/20 10:07	7440-42-8	
Cadmium, Dissolved	**<2.5**	ug/L	2.5	1		12/18/20 10:07	7440-43-9	
Calcium, Dissolved	**429000**	ug/L	200	1		12/18/20 10:07	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		12/18/20 10:07	7440-47-3	
Copper, Dissolved	**<25.0**	ug/L	25.0	1		12/18/20 10:07	7440-50-8	
Iron, Dissolved	**2580**	ug/L	20.0	1		12/18/20 10:07	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		12/18/20 10:07	7439-92-1	

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(631)694-3040

ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-5D **Lab ID: 70155559002** Collected: 12/03/20 08:55 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010C Pace Analytical Services - Melville							
Magnesium, Dissolved	**19900**	ug/L	200	1		12/18/20 10:07	7439-95-4	
Manganese, Dissolved	**96.0**	ug/L	10.0	1		12/18/20 10:07	7439-96-5	
Nickel, Dissolved	**<40.0**	ug/L	40.0	1		12/18/20 10:07	7440-02-0	
Potassium, Dissolved	**57900**	ug/L	5000	1		12/18/20 10:07	7440-09-7	
Selenium, Dissolved	**<10.0**	ug/L	10.0	1		12/18/20 10:07	7782-49-2	
Silver, Dissolved	**<10.0**	ug/L	10.0	1		12/18/20 10:07	7440-22-4	
Sodium, Dissolved	**66000**	ug/L	5000	1		12/18/20 10:07	7440-23-5	
Thallium, Dissolved	**<10.0**	ug/L	10.0	1		12/18/20 10:07	7440-28-0	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		12/18/20 10:07	7440-66-6	
Mercury 7470A	Analytical Method: EPA 7470A Preparation Method: 7470A Pace National - Mt. Juliet							
Mercury	**<0.200**	ug/L	0.200	1	12/22/20 12:33	12/23/20 00:49	7439-97-6	
Mercury, Dissolved	**<0.200**	ug/L	0.200	1	12/22/20 12:31	12/23/20 01:39	7439-97-6	
180.1 Turbidity	Analytical Method: EPA 180.1 Pace Analytical Services - Melville							
Turbidity	**83.4**	NTU	10.0	10		12/05/20 08:23		
2120B W Apparent Color	Analytical Method: SM22 2120B Pace Analytical Services - Melville							
Apparent Color	**150**	units	50.0	10		12/05/20 08:04		
pH	**7.1**	Std. Units	0.10	10		12/05/20 08:04		
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**140**	mg/L	1.0	1		12/14/20 16:14		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**1980**	mg/L	10.0	1		12/09/20 11:31		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville							
Chemical Oxygen Demand	**18.5**	mg/L	10.0	1	12/18/20 08:55	12/18/20 11:25		
5210B BOD, 5 day	Analytical Method: SM22 5210B Preparation Method: SM22 5210B Pace Analytical Services - Melville							
BOD, 5 day	**2.7**	mg/L	2.0	1	12/05/20 07:52	12/10/20 09:42		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196A Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		12/05/20 14:44	18540-29-9	H3

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-5D **Lab ID: 70155559002** Collected: 12/03/20 08:55 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	**85.5**	mg/L	10.0	5		12/16/20 06:32	16887-00-6	
Sulfate	**1040**	mg/L	500	100		12/16/20 06:46	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**4.3**	mg/L	0.10	1	12/18/20 06:32	12/18/20 15:45	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**0.065**	mg/L	0.050	1		12/04/20 23:58	14797-55-8	
Nitrate-Nitrite (as N)	**0.078**	mg/L	0.050	1		12/04/20 23:58	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/04/20 22:16	14797-65-0	
Phenolics, Total Recoverable	Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville							
Phenolics, Total Recoverable	**<5.0**	ug/L	5.0	1	12/16/20 09:19	12/16/20 11:57		
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**3.5**	mg/L	0.10	1		12/18/20 12:42	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	**<10.0**	ug/L	10.0	1	12/11/20 09:19	12/11/20 16:31	57-12-5	
9060A TOC as NPOC	Analytical Method: EPA 9060A Pace Analytical Services - Melville							
Total Organic Carbon	**2.1**	mg/L	1.0	1		12/21/20 17:35	7440-44-0	
Total Organic Carbon	**2.0**	mg/L	1.0	1		12/21/20 17:35	7440-44-0	
Total Organic Carbon	**2.0**	mg/L	1.0	1		12/21/20 17:35	7440-44-0	
Total Organic Carbon	**2.0**	mg/L	1.0	1		12/21/20 17:35	7440-44-0	
Mean Total Organic Carbon	**2.0**	mg/L	1.0	1		12/21/20 17:35	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-6S **Lab ID: 70155559003** Collected: 12/03/20 13:00 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Melville							
Field pH	**9.09**	Std. Units		1		12/03/20 13:00		
Field Temperature	**10.1**	deg C		1		12/03/20 13:00		
Field Specific Conductance	**638**	umhos/cm		1		12/03/20 13:00		
Oxygen, Dissolved	**3.04**	mg/L		1		12/03/20 13:00	7782-44-7	
Eh	**-159.1**	mV		1		12/03/20 13:00		
Field Turbidity	**45**	NTU		1		12/03/20 13:00		
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	**<200**	ug/L	200	1	12/14/20 11:25	12/16/20 17:02	7429-90-5	
Antimony	**<60.0**	ug/L	60.0	1	12/14/20 11:25	12/16/20 17:02	7440-36-0	
Arsenic	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:02	7440-38-2	
Barium	**<200**	ug/L	200	1	12/14/20 11:25	12/16/20 17:02	7440-39-3	
Beryllium	**<5.0**	ug/L	5.0	1	12/14/20 11:25	12/16/20 17:02	7440-41-7	
Boron	**<50.0**	ug/L	50.0	1	12/14/20 11:25	12/16/20 17:02	7440-42-8	
Cadmium	**<2.5**	ug/L	2.5	1	12/14/20 11:25	12/16/20 17:02	7440-43-9	
Calcium	**54300**	ug/L	200	1	12/14/20 11:25	12/16/20 17:02	7440-70-2	
Chromium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:02	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	12/14/20 11:25	12/16/20 17:02	7440-50-8	
Iron	**497**	ug/L	20.0	1	12/14/20 11:25	12/16/20 17:02	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	12/14/20 11:25	12/16/20 17:02	7439-92-1	
Magnesium	**56900**	ug/L	200	1	12/14/20 11:25	12/16/20 17:02	7439-95-4	
Manganese	**45.5**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:02	7439-96-5	
Nickel	**<40.0**	ug/L	40.0	1	12/14/20 11:25	12/16/20 17:02	7440-02-0	
Potassium	**<5000**	ug/L	5000	1	12/14/20 11:25	12/16/20 17:02	7440-09-7	
Selenium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:02	7782-49-2	
Silver	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:02	7440-22-4	
Sodium	**5460**	ug/L	5000	1	12/14/20 11:25	12/16/20 17:02	7440-23-5	
Thallium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:02	7440-28-0	
Zinc	**<20.0**	ug/L	20.0	1	12/14/20 11:25	12/16/20 17:02	7440-66-6	
Mercury 7470A	Analytical Method: EPA 7470A Preparation Method: 7470A Pace National - Mt. Juliet							
Mercury	**<0.200**	ug/L	0.200	1	12/22/20 12:33	12/23/20 00:51	7439-97-6	
180.1 Turbidity	Analytical Method: EPA 180.1 Pace Analytical Services - Melville							
Turbidity	**1810**	NTU	100	100		12/05/20 08:49		
2120B W Apparent Color	Analytical Method: SM22 2120B Pace Analytical Services - Melville							
Apparent Color	**10.0**	units	5.0	1		12/05/20 08:05		
pH	**7.5**	Std. Units	0.10	1		12/05/20 08:05		

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-6S **Lab ID: 70155559003** Collected: 12/03/20 13:00 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**438**	mg/L	1.0	1		12/14/20 16:33		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**374**	mg/L	10.0	1		12/09/20 11:31		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville							
Chemical Oxygen Demand	**61.2**	mg/L	10.0	1	12/18/20 08:55	12/18/20 11:25		
5210B BOD, 5 day	Analytical Method: SM22 5210B Preparation Method: SM22 5210B Pace Analytical Services - Melville							
BOD, 5 day	**<4.0**	mg/L	4.0	2	12/05/20 07:54	12/10/20 09:49		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196A Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		12/05/20 14:45	18540-29-9	H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	**7.7**	mg/L	2.0	1		12/16/20 06:59	16887-00-6	
Sulfate	**55.0**	mg/L	5.0	1		12/16/20 06:59	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**2.1**	mg/L	0.50	1	12/18/20 06:32	12/18/20 15:46	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**<0.050**	mg/L	0.050	1		12/04/20 23:59	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		12/04/20 23:59	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/04/20 22:20	14797-65-0	
Phenolics, Total Recoverable	Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville							
Phenolics, Total Recoverable	**<5.0**	ug/L	5.0	1	12/16/20 09:19	12/16/20 11:58		
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**<0.10**	mg/L	0.10	1		12/18/20 12:44	7664-41-7	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-6S **Lab ID: 70155559003** Collected: 12/03/20 13:00 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	**<10.0**	ug/L	10.0	1	12/11/20 09:19	12/11/20 16:31	57-12-5	
9060A TOC as NPOC	Analytical Method: EPA 9060A Pace Analytical Services - Melville							
Total Organic Carbon	**1.1**	mg/L	1.0	1		12/21/20 18:09	7440-44-0	
Total Organic Carbon	**1.1**	mg/L	1.0	1		12/21/20 18:09	7440-44-0	
Total Organic Carbon	**1.1**	mg/L	1.0	1		12/21/20 18:09	7440-44-0	
Total Organic Carbon	**1.1**	mg/L	1.0	1		12/21/20 18:09	7440-44-0	
Mean Total Organic Carbon	**1.1**	mg/L	1.0	1		12/21/20 18:09	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-6D **Lab ID: 70155559004** Collected: 12/03/20 12:30 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Melville							
Field pH	**9.32**	Std. Units		1		12/03/20 12:30		
Field Temperature	**9.8**	deg C		1		12/03/20 12:30		
Field Specific Conductance	**629**	umhos/cm		1		12/03/20 12:30		
Oxygen, Dissolved	**3.97**	mg/L		1		12/03/20 12:30	7782-44-7	
Eh	**-171.2**	mV		1		12/03/20 12:30		
Field Turbidity	**40**	NTU		1		12/03/20 12:30		
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	**587**	ug/L	200	1	12/14/20 11:25	12/16/20 17:04	7429-90-5	
Antimony	**<60.0**	ug/L	60.0	1	12/14/20 11:25	12/16/20 17:04	7440-36-0	
Arsenic	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:04	7440-38-2	
Barium	**<200**	ug/L	200	1	12/14/20 11:25	12/16/20 17:04	7440-39-3	
Beryllium	**<5.0**	ug/L	5.0	1	12/14/20 11:25	12/16/20 17:04	7440-41-7	
Boron	**121**	ug/L	50.0	1	12/14/20 11:25	12/16/20 17:04	7440-42-8	
Cadmium	**<2.5**	ug/L	2.5	1	12/14/20 11:25	12/16/20 17:04	7440-43-9	
Calcium	**64000**	ug/L	200	1	12/14/20 11:25	12/16/20 17:04	7440-70-2	
Chromium	**12.2**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:04	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	12/14/20 11:25	12/16/20 17:04	7440-50-8	
Iron	**1330**	ug/L	20.0	1	12/14/20 11:25	12/16/20 17:04	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	12/14/20 11:25	12/16/20 17:04	7439-92-1	
Magnesium	**37300**	ug/L	200	1	12/14/20 11:25	12/16/20 17:04	7439-95-4	
Manganese	**30.1**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:04	7439-96-5	
Nickel	**<40.0**	ug/L	40.0	1	12/14/20 11:25	12/16/20 17:04	7440-02-0	
Potassium	**<5000**	ug/L	5000	1	12/14/20 11:25	12/16/20 17:04	7440-09-7	
Selenium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:04	7782-49-2	
Silver	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:04	7440-22-4	
Sodium	**5060**	ug/L	5000	1	12/14/20 11:25	12/16/20 17:04	7440-23-5	
Thallium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:04	7440-28-0	
Zinc	**<20.0**	ug/L	20.0	1	12/14/20 11:25	12/16/20 17:04	7440-66-6	
Mercury 7470A	Analytical Method: EPA 7470A Preparation Method: 7470A Pace National - Mt. Juliet							
Mercury	**<0.200**	ug/L	0.200	1	12/22/20 12:33	12/23/20 00:53	7439-97-6	
180.1 Turbidity	Analytical Method: EPA 180.1 Pace Analytical Services - Melville							
Turbidity	**46.2**	NTU	10.0	10		12/05/20 08:41		
2120B W Apparent Color	Analytical Method: SM22 2120B Pace Analytical Services - Melville							
Apparent Color	**50.0**	units	25.0	5		12/05/20 09:12		
pH	**7.6**	Std. Units	0.10	5		12/05/20 09:12		

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-6D **Lab ID: 70155559004** Collected: 12/03/20 12:30 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**239**	mg/L	1.0	1		12/14/20 16:45		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**419**	mg/L	10.0	1		12/09/20 11:39		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville							
Chemical Oxygen Demand	**18.5**	mg/L	10.0	1	12/18/20 08:55	12/18/20 11:25		
5210B BOD, 5 day	Analytical Method: SM22 5210B Preparation Method: SM22 5210B Pace Analytical Services - Melville							
BOD, 5 day	**<2.0**	mg/L	2.0	1	12/05/20 07:57	12/10/20 09:52		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196A Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		12/05/20 14:45	18540-29-9	H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	**4.6**	mg/L	2.0	1		12/16/20 07:26	16887-00-6	
Sulfate	**<5.0**	mg/L	5.0	1		12/16/20 07:26	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**0.31**	mg/L	0.10	1	12/18/20 06:32	12/18/20 15:46	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**0.45**	mg/L	0.050	1		12/05/20 00:00	14797-55-8	
Nitrate-Nitrite (as N)	**0.45**	mg/L	0.050	1		12/05/20 00:00	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/04/20 22:21	14797-65-0	
Phenolics, Total Recoverable	Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville							
Phenolics, Total Recoverable	**<5.0**	ug/L	5.0	1	12/18/20 10:02	12/18/20 12:02		
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**<0.10**	mg/L	0.10	1		12/18/20 12:45	7664-41-7	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-6D **Lab ID: 70155559004** Collected: 12/03/20 12:30 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	**<10.0**	ug/L	10.0	1	12/12/20 10:05	12/12/20 13:26	57-12-5	
9060A TOC as NPOC	Analytical Method: EPA 9060A Pace Analytical Services - Melville							
Total Organic Carbon	**3.5**	mg/L	1.0	1		12/21/20 18:20	7440-44-0	
Total Organic Carbon	**2.5**	mg/L	1.0	1		12/21/20 18:20	7440-44-0	
Total Organic Carbon	**1.4**	mg/L	1.0	1		12/21/20 18:20	7440-44-0	
Total Organic Carbon	**2.2**	mg/L	1.0	1		12/21/20 18:20	7440-44-0	
Mean Total Organic Carbon	**2.4**	mg/L	1.0	1		12/21/20 18:20	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-8S **Lab ID: 70155559005** Collected: 12/03/20 12:08 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Melville							
Field pH	**8.54**	Std. Units		1		12/03/20 12:08		
Field Temperature	**12.6**	deg C		1		12/03/20 12:08		
Field Specific Conductance	**1049**	umhos/cm		1		12/03/20 12:08		
Oxygen, Dissolved	**4.11**	mg/L		1		12/03/20 12:08	7782-44-7	
Eh	**-121.0**	mV		1		12/03/20 12:08		
Field Turbidity	**6.4**	NTU		1		12/03/20 12:08		
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	**<200**	ug/L	200	1	12/14/20 11:25	12/16/20 17:07	7429-90-5	
Antimony	**<60.0**	ug/L	60.0	1	12/14/20 11:25	12/16/20 17:07	7440-36-0	
Arsenic	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:07	7440-38-2	
Barium	**312**	ug/L	200	1	12/14/20 11:25	12/16/20 17:07	7440-39-3	
Beryllium	**<5.0**	ug/L	5.0	1	12/14/20 11:25	12/16/20 17:07	7440-41-7	
Boron	**88.3**	ug/L	50.0	1	12/14/20 11:25	12/16/20 17:07	7440-42-8	
Cadmium	**<2.5**	ug/L	2.5	1	12/14/20 11:25	12/16/20 17:07	7440-43-9	
Calcium	**174000**	ug/L	200	1	12/14/20 11:25	12/16/20 17:07	7440-70-2	
Chromium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:07	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	12/14/20 11:25	12/16/20 17:07	7440-50-8	
Iron	**41.8**	ug/L	20.0	1	12/14/20 11:25	12/16/20 17:07	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	12/14/20 11:25	12/16/20 17:07	7439-92-1	
Magnesium	**42100**	ug/L	200	1	12/14/20 11:25	12/16/20 17:07	7439-95-4	
Manganese	**2810**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:07	7439-96-5	
Nickel	**<40.0**	ug/L	40.0	1	12/14/20 11:25	12/16/20 17:07	7440-02-0	
Potassium	**6150**	ug/L	5000	1	12/14/20 11:25	12/16/20 17:07	7440-09-7	
Selenium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:07	7782-49-2	
Silver	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:07	7440-22-4	
Sodium	**16800**	ug/L	5000	1	12/14/20 11:25	12/16/20 17:07	7440-23-5	
Thallium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:07	7440-28-0	
Zinc	**<20.0**	ug/L	20.0	1	12/14/20 11:25	12/16/20 17:07	7440-66-6	
Mercury 7470A	Analytical Method: EPA 7470A Preparation Method: 7470A Pace National - Mt. Juliet							
Mercury	**<0.200**	ug/L	0.200	1	12/22/20 12:33	12/23/20 00:55	7439-97-6	
180.1 Turbidity	Analytical Method: EPA 180.1 Pace Analytical Services - Melville							
Turbidity	**31.1**	NTU	10.0	10		12/05/20 08:39		
2120B W Apparent Color	Analytical Method: SM22 2120B Pace Analytical Services - Melville							
Apparent Color	**75.0**	units	25.0	5		12/05/20 09:12		
pH	**6.7**	Std. Units	0.10	5		12/05/20 09:12		

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-8S **Lab ID: 70155559005** Collected: 12/03/20 12:08 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**605**	mg/L	1.0	1		12/14/20 17:09		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**664**	mg/L	10.0	1		12/09/20 11:39		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville							
Chemical Oxygen Demand	**31.3**	mg/L	10.0	1	12/18/20 08:55	12/18/20 11:25		
5210B BOD, 5 day	Analytical Method: SM22 5210B Preparation Method: SM22 5210B Pace Analytical Services - Melville							
BOD, 5 day	**<2.0**	mg/L	2.0	1	12/05/20 07:58	12/10/20 09:54		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196A Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		12/05/20 14:45	18540-29-9	H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	**24.6**	mg/L	2.0	1		12/16/20 08:21	16887-00-6	
Sulfate	**13.0**	mg/L	5.0	1		12/16/20 08:21	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**0.24**	mg/L	0.10	1	12/18/20 06:32	12/18/20 15:47	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**2.4**	mg/L	0.25	5		12/05/20 00:02	14797-55-8	
Nitrate-Nitrite (as N)	**2.5**	mg/L	0.25	5		12/05/20 00:02	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/04/20 22:22	14797-65-0	
Phenolics, Total Recoverable	Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville							
Phenolics, Total Recoverable	**<5.0**	ug/L	5.0	1	12/18/20 10:02	12/18/20 12:03		
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**<0.10**	mg/L	0.10	1		12/18/20 12:46	7664-41-7	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-8S **Lab ID: 70155559005** Collected: 12/03/20 12:08 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	**<10.0**	ug/L	10.0	1	12/12/20 10:05	12/12/20 13:26	57-12-5	
9060A TOC as NPOC	Analytical Method: EPA 9060A Pace Analytical Services - Melville							
Total Organic Carbon	**1.3**	mg/L	1.0	1		12/21/20 18:31	7440-44-0	
Total Organic Carbon	**1.4**	mg/L	1.0	1		12/21/20 18:31	7440-44-0	
Total Organic Carbon	**2.8**	mg/L	1.0	1		12/21/20 18:31	7440-44-0	
Total Organic Carbon	**1.4**	mg/L	1.0	1		12/21/20 18:31	7440-44-0	
Mean Total Organic Carbon	**1.7**	mg/L	1.0	1		12/21/20 18:31	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-8D **Lab ID: 70155559006** Collected: 12/03/20 11:38 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Melville							
Field pH	**8.96**	Std. Units		1		12/03/20 11:38		
Field Temperature	**12.6**	deg C		1		12/03/20 11:38		
Field Specific Conductance	**1613**	umhos/cm		1		12/03/20 11:38		
Oxygen, Dissolved	**4.14**	mg/L		1		12/03/20 11:38	7782-44-7	
Eh	**-155.8**	mV		1		12/03/20 11:38		
Field Turbidity	**75**	NTU		1		12/03/20 11:38		
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	**676**	ug/L	200	1	12/14/20 11:25	12/16/20 17:09	7429-90-5	
Antimony	**<60.0**	ug/L	60.0	1	12/14/20 11:25	12/16/20 17:09	7440-36-0	
Arsenic	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:09	7440-38-2	
Barium	**<200**	ug/L	200	1	12/14/20 11:25	12/16/20 17:09	7440-39-3	
Beryllium	**<5.0**	ug/L	5.0	1	12/14/20 11:25	12/16/20 17:09	7440-41-7	
Boron	**2530**	ug/L	50.0	1	12/14/20 11:25	12/16/20 17:09	7440-42-8	
Cadmium	**<2.5**	ug/L	2.5	1	12/14/20 11:25	12/16/20 17:09	7440-43-9	
Calcium	**272000**	ug/L	200	1	12/14/20 11:25	12/16/20 17:09	7440-70-2	
Chromium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:09	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	12/14/20 11:25	12/16/20 17:09	7440-50-8	
Iron	**65100**	ug/L	20.0	1	12/14/20 11:25	12/16/20 17:09	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	12/14/20 11:25	12/16/20 17:09	7439-92-1	
Magnesium	**27600**	ug/L	200	1	12/14/20 11:25	12/16/20 17:09	7439-95-4	
Manganese	**342**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:09	7439-96-5	
Nickel	**<40.0**	ug/L	40.0	1	12/14/20 11:25	12/16/20 17:09	7440-02-0	
Potassium	**37700**	ug/L	5000	1	12/14/20 11:25	12/16/20 17:09	7440-09-7	
Selenium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:09	7782-49-2	
Silver	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:09	7440-22-4	
Sodium	**72500**	ug/L	5000	1	12/14/20 11:25	12/16/20 17:09	7440-23-5	
Thallium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:09	7440-28-0	
Zinc	**<20.0**	ug/L	20.0	1	12/14/20 11:25	12/16/20 17:09	7440-66-6	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010C Pace Analytical Services - Melville							
Aluminum, Dissolved	**<200**	ug/L	200	1		12/18/20 10:09	7429-90-5	
Antimony, Dissolved	**<60.0**	ug/L	60.0	1		12/18/20 10:09	7440-36-0	
Arsenic, Dissolved	**<10.0**	ug/L	10.0	1		12/18/20 10:09	7440-38-2	
Barium, Dissolved	**<200**	ug/L	200	1		12/18/20 10:09	7440-39-3	
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		12/18/20 10:09	7440-41-7	
Boron, Dissolved	**2640**	ug/L	50.0	1		12/18/20 10:09	7440-42-8	
Cadmium, Dissolved	**<2.5**	ug/L	2.5	1		12/18/20 10:09	7440-43-9	
Calcium, Dissolved	**287000**	ug/L	200	1		12/18/20 10:09	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		12/18/20 10:09	7440-47-3	
Copper, Dissolved	**<25.0**	ug/L	25.0	1		12/18/20 10:09	7440-50-8	
Iron, Dissolved	**494**	ug/L	20.0	1		12/18/20 10:09	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		12/18/20 10:09	7439-92-1	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-8D **Lab ID: 70155559006** Collected: 12/03/20 11:38 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010C Pace Analytical Services - Melville							
Magnesium, Dissolved	**25500**	ug/L	200	1		12/18/20 10:09	7439-95-4	
Manganese, Dissolved	**93.8**	ug/L	10.0	1		12/18/20 10:09	7439-96-5	
Nickel, Dissolved	**<40.0**	ug/L	40.0	1		12/18/20 10:09	7440-02-0	
Potassium, Dissolved	**39800**	ug/L	5000	1		12/18/20 10:09	7440-09-7	
Selenium, Dissolved	**<10.0**	ug/L	10.0	1		12/18/20 10:09	7782-49-2	
Silver, Dissolved	**<10.0**	ug/L	10.0	1		12/18/20 10:09	7440-22-4	
Sodium, Dissolved	**66300**	ug/L	5000	1		12/18/20 10:09	7440-23-5	
Thallium, Dissolved	**<10.0**	ug/L	10.0	1		12/18/20 10:09	7440-28-0	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		12/18/20 10:09	7440-66-6	
Mercury 7470A	Analytical Method: EPA 7470A Preparation Method: 7470A Pace National - Mt. Juliet							
Mercury	**<0.200**	ug/L	0.200	1	12/22/20 12:33	12/23/20 00:57	7439-97-6	
Mercury, Dissolved	**<0.200**	ug/L	0.200	1	12/22/20 12:31	12/23/20 01:41	7439-97-6	
180.1 Turbidity	Analytical Method: EPA 180.1 Pace Analytical Services - Melville							
Turbidity	**54.3**	NTU	10.0	10		12/05/20 08:38		
2120B W Apparent Color	Analytical Method: SM22 2120B Pace Analytical Services - Melville							
Apparent Color	**100**	units	25.0	5		12/05/20 09:12		
pH	**7.3**	Std. Units	0.10	5		12/05/20 09:12		
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**222**	mg/L	1.0	1		12/14/20 17:34		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**1390**	mg/L	10.0	1		12/09/20 11:40		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville							
Chemical Oxygen Demand	**27.0**	mg/L	10.0	1	12/18/20 08:55	12/18/20 11:25		
5210B BOD, 5 day	Analytical Method: SM22 5210B Preparation Method: SM22 5210B Pace Analytical Services - Melville							
BOD, 5 day	**<2.0**	mg/L	2.0	1	12/05/20 08:08	12/10/20 10:01		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196A Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		12/05/20 14:45	18540-29-9	H1

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-8D **Lab ID: 70155559006** Collected: 12/03/20 11:38 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	**61.4**	mg/L	10.0	5		12/16/20 08:34	16887-00-6	
Sulfate	**<25.0**	mg/L	25.0	5		12/16/20 08:34	14808-79-8	D3
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**<0.50**	mg/L	0.50	1	12/18/20 06:32	12/18/20 15:50	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**3.3**	mg/L	0.25	5		12/05/20 00:03	14797-55-8	
Nitrate-Nitrite (as N)	**3.3**	mg/L	0.25	5		12/05/20 00:03	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/04/20 22:23	14797-65-0	
Phenolics, Total Recoverable	Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville							
Phenolics, Total Recoverable	**<5.0**	ug/L	5.0	1	12/18/20 10:02	12/18/20 12:04		
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.83**	mg/L	0.10	1		12/18/20 12:47	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	**<10.0**	ug/L	10.0	1	12/12/20 10:05	12/12/20 13:26	57-12-5	
9060A TOC as NPOC	Analytical Method: EPA 9060A Pace Analytical Services - Melville							
Total Organic Carbon	**1.5**	mg/L	1.0	1		12/21/20 18:42	7440-44-0	
Total Organic Carbon	**1.5**	mg/L	1.0	1		12/21/20 18:42	7440-44-0	
Total Organic Carbon	**1.5**	mg/L	1.0	1		12/21/20 18:42	7440-44-0	
Total Organic Carbon	**1.4**	mg/L	1.0	1		12/21/20 18:42	7440-44-0	
Mean Total Organic Carbon	**1.5**	mg/L	1.0	1		12/21/20 18:42	7440-44-0	

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(631)694-3040

ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-9S **Lab ID: 70155559007** Collected: 12/03/20 10:20 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Melville							
Field pH	**8.94**	Std. Units		1		12/03/20 10:20		
Field Temperature	**14.7**	deg C		1		12/03/20 10:20		
Field Specific Conductance	**831**	umhos/cm		1		12/03/20 10:20		
Oxygen, Dissolved	**4.47**	mg/L		1		12/03/20 10:20	7782-44-7	
Eh	**-157.6**	mV		1		12/03/20 10:20		
Field Turbidity	**800**	NTU		1		12/03/20 10:20		
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	**8240**	ug/L	200	1	12/14/20 11:25	12/16/20 17:11	7429-90-5	
Antimony	**<60.0**	ug/L	60.0	1	12/14/20 11:25	12/16/20 17:11	7440-36-0	
Arsenic	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:11	7440-38-2	
Barium	**<200**	ug/L	200	1	12/14/20 11:25	12/16/20 17:11	7440-39-3	
Beryllium	**<5.0**	ug/L	5.0	1	12/14/20 11:25	12/16/20 17:11	7440-41-7	
Boron	**53.8**	ug/L	50.0	1	12/14/20 11:25	12/16/20 17:11	7440-42-8	
Cadmium	**<2.5**	ug/L	2.5	1	12/14/20 11:25	12/16/20 17:11	7440-43-9	
Calcium	**106000**	ug/L	200	1	12/14/20 11:25	12/16/20 17:11	7440-70-2	
Chromium	**20.2**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:11	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	12/14/20 11:25	12/16/20 17:11	7440-50-8	
Iron	**21200**	ug/L	20.0	1	12/14/20 11:25	12/16/20 17:11	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	12/14/20 11:25	12/16/20 17:11	7439-92-1	
Magnesium	**64100**	ug/L	200	1	12/14/20 11:25	12/16/20 17:11	7439-95-4	
Manganese	**628**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:11	7439-96-5	
Nickel	**60.2**	ug/L	40.0	1	12/14/20 11:25	12/16/20 17:11	7440-02-0	
Potassium	**6670**	ug/L	5000	1	12/14/20 11:25	12/16/20 17:11	7440-09-7	
Selenium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:11	7782-49-2	
Silver	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:11	7440-22-4	
Sodium	**33000**	ug/L	5000	1	12/14/20 11:25	12/16/20 17:11	7440-23-5	
Thallium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:11	7440-28-0	
Zinc	**27.5**	ug/L	20.0	1	12/14/20 11:25	12/16/20 17:11	7440-66-6	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010C Pace Analytical Services - Melville							
Aluminum, Dissolved	**707**	ug/L	200	1		12/18/20 10:16	7429-90-5	
Antimony, Dissolved	**<60.0**	ug/L	60.0	1		12/18/20 10:16	7440-36-0	
Arsenic, Dissolved	**<10.0**	ug/L	10.0	1		12/18/20 10:16	7440-38-2	
Barium, Dissolved	**<200**	ug/L	200	1		12/18/20 10:16	7440-39-3	
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		12/18/20 10:16	7440-41-7	
Boron, Dissolved	**<50.0**	ug/L	50.0	1		12/18/20 10:16	7440-42-8	
Cadmium, Dissolved	**<2.5**	ug/L	2.5	1		12/18/20 10:16	7440-43-9	
Calcium, Dissolved	**67300**	ug/L	200	1		12/18/20 10:16	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		12/18/20 10:16	7440-47-3	
Copper, Dissolved	**<25.0**	ug/L	25.0	1		12/18/20 10:16	7440-50-8	
Iron, Dissolved	**1190**	ug/L	20.0	1		12/18/20 10:16	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		12/18/20 10:16	7439-92-1	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-9S **Lab ID: 70155559007** Collected: 12/03/20 10:20 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010C Pace Analytical Services - Melville							
Magnesium, Dissolved	**49900**	ug/L	200	1		12/18/20 10:16	7439-95-4	
Manganese, Dissolved	**54.9**	ug/L	10.0	1		12/18/20 10:16	7439-96-5	
Nickel, Dissolved	**<40.0**	ug/L	40.0	1		12/18/20 10:16	7440-02-0	
Potassium, Dissolved	**<5000**	ug/L	5000	1		12/18/20 10:16	7440-09-7	
Selenium, Dissolved	**<10.0**	ug/L	10.0	1		12/18/20 10:16	7782-49-2	
Silver, Dissolved	**<10.0**	ug/L	10.0	1		12/18/20 10:16	7440-22-4	
Sodium, Dissolved	**31500**	ug/L	5000	1		12/18/20 10:16	7440-23-5	
Thallium, Dissolved	**<10.0**	ug/L	10.0	1		12/18/20 10:16	7440-28-0	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		12/18/20 10:16	7440-66-6	
Mercury 7470A	Analytical Method: EPA 7470A Preparation Method: 7470A Pace National - Mt. Juliet							
Mercury	**<0.200**	ug/L	0.200	1	12/22/20 12:33	12/23/20 00:59	7439-97-6	
Mercury, Dissolved	**<0.200**	ug/L	0.200	1	12/22/20 12:31	12/23/20 01:42	7439-97-6	
180.1 Turbidity	Analytical Method: EPA 180.1 Pace Analytical Services - Melville							
Turbidity	**915**	NTU	50.0	50		12/05/20 08:30		
2120B W Apparent Color	Analytical Method: SM22 2120B Pace Analytical Services - Melville							
Apparent Color	**1000**	units	500	100		12/05/20 09:12		
pH	**7.6**	Std. Units	0.10	100		12/05/20 09:12		
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**313**	mg/L	1.0	1		12/14/20 17:48		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**489**	mg/L	10.0	1		12/09/20 11:40		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville							
Chemical Oxygen Demand	**61.2**	mg/L	10.0	1	12/18/20 08:55	12/18/20 11:25		
5210B BOD, 5 day	Analytical Method: SM22 5210B Preparation Method: SM22 5210B Pace Analytical Services - Melville							
BOD, 5 day	**<4.0**	mg/L	4.0	2	12/05/20 08:09	12/10/20 10:03		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196A Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		12/05/20 14:45	18540-29-9	H3

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-9S **Lab ID: 70155559007** Collected: 12/03/20 10:20 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	**73.2**	mg/L	10.0	5		12/16/20 09:01	16887-00-6	
Sulfate	**51.6**	mg/L	25.0	5		12/16/20 09:01	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**0.76**	mg/L	0.50	1	12/18/20 06:32	12/18/20 15:51	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**0.12**	mg/L	0.050	1		12/05/20 00:04	14797-55-8	
Nitrate-Nitrite (as N)	**0.13**	mg/L	0.050	1		12/05/20 00:04	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/04/20 22:25	14797-65-0	
Phenolics, Total Recoverable	Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville							
Phenolics, Total Recoverable	**<5.0**	ug/L	5.0	1	12/18/20 10:02	12/18/20 12:05		
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**<0.10**	mg/L	0.10	1		12/18/20 12:51	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	**<10.0**	ug/L	10.0	1	12/12/20 10:05	12/12/20 13:26	57-12-5	
9060A TOC as NPOC	Analytical Method: EPA 9060A Pace Analytical Services - Melville							
Total Organic Carbon	**1.6**	mg/L	1.0	1		12/21/20 18:53	7440-44-0	
Total Organic Carbon	**1.6**	mg/L	1.0	1		12/21/20 18:53	7440-44-0	
Total Organic Carbon	**1.6**	mg/L	1.0	1		12/21/20 18:53	7440-44-0	
Total Organic Carbon	**1.5**	mg/L	1.0	1		12/21/20 18:53	7440-44-0	
Mean Total Organic Carbon	**1.6**	mg/L	1.0	1		12/21/20 18:53	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-9D **Lab ID: 70155559008** Collected: 12/03/20 09:55 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Melville							
Field pH	**8.37**	Std. Units		1		12/03/20 09:55		
Field Temperature	**15.1**	deg C		1		12/03/20 09:55		
Field Specific Conductance	**1417**	umhos/cm		1		12/03/20 09:55		
Oxygen, Dissolved	**4.22**	mg/L		1		12/03/20 09:55	7782-44-7	
Eh	**-122.6**	mV		1		12/03/20 09:55		
Field Turbidity	**12**	NTU		1		12/03/20 09:55		
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	**<200**	ug/L	200	1	12/14/20 11:25	12/16/20 17:18	7429-90-5	
Antimony	**<60.0**	ug/L	60.0	1	12/14/20 11:25	12/16/20 17:18	7440-36-0	
Arsenic	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:18	7440-38-2	
Barium	**<200**	ug/L	200	1	12/14/20 11:25	12/16/20 17:18	7440-39-3	
Beryllium	**<5.0**	ug/L	5.0	1	12/14/20 11:25	12/16/20 17:18	7440-41-7	
Boron	**1410**	ug/L	50.0	1	12/14/20 11:25	12/16/20 17:18	7440-42-8	
Cadmium	**<2.5**	ug/L	2.5	1	12/14/20 11:25	12/16/20 17:18	7440-43-9	
Calcium	**233000**	ug/L	200	1	12/14/20 11:25	12/16/20 17:18	7440-70-2	
Chromium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:18	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	12/14/20 11:25	12/16/20 17:18	7440-50-8	
Iron	**415**	ug/L	20.0	1	12/14/20 11:25	12/16/20 17:18	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	12/14/20 11:25	12/16/20 17:18	7439-92-1	
Magnesium	**19600**	ug/L	200	1	12/14/20 11:25	12/16/20 17:18	7439-95-4	
Manganese	**20.6**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:18	7439-96-5	
Nickel	**<40.0**	ug/L	40.0	1	12/14/20 11:25	12/16/20 17:18	7440-02-0	
Potassium	**30400**	ug/L	5000	1	12/14/20 11:25	12/16/20 17:18	7440-09-7	
Selenium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:18	7782-49-2	
Silver	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:18	7440-22-4	
Sodium	**70700**	ug/L	5000	1	12/14/20 11:25	12/16/20 17:18	7440-23-5	
Thallium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:18	7440-28-0	
Zinc	**22.2**	ug/L	20.0	1	12/14/20 11:25	12/16/20 17:18	7440-66-6	
Mercury 7470A	Analytical Method: EPA 7470A Preparation Method: 7470A Pace National - Mt. Juliet							
Mercury	**<0.200**	ug/L	0.200	1	12/22/20 12:33	12/23/20 01:01	7439-97-6	
180.1 Turbidity	Analytical Method: EPA 180.1 Pace Analytical Services - Melville							
Turbidity	**19.8**	NTU	1.0	1		12/05/20 08:27		
2120B W Apparent Color	Analytical Method: SM22 2120B Pace Analytical Services - Melville							
Apparent Color	**30.0**	units	10.0	2		12/05/20 09:13		
pH	**7.1**	Std. Units	0.10	2		12/05/20 09:13		

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-9D **Lab ID: 70155559008** Collected: 12/03/20 09:55 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**133**	mg/L	1.0	1		12/14/20 17:57		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**1770**	mg/L	10.0	1		12/09/20 11:40		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville							
Chemical Oxygen Demand	**31.3**	mg/L	10.0	1	12/18/20 08:55	12/18/20 11:25		
5210B BOD, 5 day	Analytical Method: SM22 5210B Preparation Method: SM22 5210B Pace Analytical Services - Melville							
BOD, 5 day	**<2.0**	mg/L	2.0	1	12/05/20 08:10	12/10/20 10:09		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196A Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		12/05/20 14:45	18540-29-9	H3
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	**98.3**	mg/L	20.0	10		12/16/20 09:15	16887-00-6	
Sulfate	**689**	mg/L	50.0	10		12/16/20 09:15	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**0.73**	mg/L	0.10	1	12/18/20 06:32	12/18/20 15:52	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**3.2**	mg/L	0.25	5		12/05/20 00:05	14797-55-8	
Nitrate-Nitrite (as N)	**3.2**	mg/L	0.25	5		12/05/20 00:05	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/04/20 22:26	14797-65-0	
Phenolics, Total Recoverable	Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville							
Phenolics, Total Recoverable	**<5.0**	ug/L	5.0	1	12/18/20 10:02	12/18/20 12:06		
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.71**	mg/L	0.10	1		12/18/20 12:52	7664-41-7	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-9D **Lab ID: 70155559008** Collected: 12/03/20 09:55 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	**<10.0**	ug/L	10.0	1	12/12/20 10:05	12/12/20 13:26	57-12-5	
9060A TOC as NPOC	Analytical Method: EPA 9060A Pace Analytical Services - Melville							
Total Organic Carbon	**3.2**	mg/L	1.0	1		12/21/20 19:28	7440-44-0	
Total Organic Carbon	**3.1**	mg/L	1.0	1		12/21/20 19:28	7440-44-0	
Total Organic Carbon	**3.0**	mg/L	1.0	1		12/21/20 19:28	7440-44-0	
Total Organic Carbon	**3.1**	mg/L	1.0	1		12/21/20 19:28	7440-44-0	
Mean Total Organic Carbon	**3.1**	mg/L	1.0	1		12/21/20 19:28	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-X (DUPE) **Lab ID: 70155559009** Collected: 12/03/20 10:00 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	**<200**	ug/L	200	1	12/14/20 11:25	12/16/20 17:21	7429-90-5	
Antimony	**<60.0**	ug/L	60.0	1	12/14/20 11:25	12/16/20 17:21	7440-36-0	
Arsenic	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:21	7440-38-2	
Barium	**<200**	ug/L	200	1	12/14/20 11:25	12/16/20 17:21	7440-39-3	
Beryllium	**<5.0**	ug/L	5.0	1	12/14/20 11:25	12/16/20 17:21	7440-41-7	
Boron	**1390**	ug/L	50.0	1	12/14/20 11:25	12/16/20 17:21	7440-42-8	
Cadmium	**<2.5**	ug/L	2.5	1	12/14/20 11:25	12/16/20 17:21	7440-43-9	
Calcium	**227000**	ug/L	200	1	12/14/20 11:25	12/16/20 17:21	7440-70-2	
Chromium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:21	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	12/14/20 11:25	12/16/20 17:21	7440-50-8	
Iron	**415**	ug/L	20.0	1	12/14/20 11:25	12/16/20 17:21	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	12/14/20 11:25	12/16/20 17:21	7439-92-1	
Magnesium	**19000**	ug/L	200	1	12/14/20 11:25	12/16/20 17:21	7439-95-4	
Manganese	**19.9**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:21	7439-96-5	
Nickel	**<40.0**	ug/L	40.0	1	12/14/20 11:25	12/16/20 17:21	7440-02-0	
Potassium	**29800**	ug/L	5000	1	12/14/20 11:25	12/16/20 17:21	7440-09-7	
Selenium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:21	7782-49-2	
Silver	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:21	7440-22-4	
Sodium	**68400**	ug/L	5000	1	12/14/20 11:25	12/16/20 17:21	7440-23-5	
Thallium	**<10.0**	ug/L	10.0	1	12/14/20 11:25	12/16/20 17:21	7440-28-0	
Zinc	**<20.0**	ug/L	20.0	1	12/14/20 11:25	12/16/20 17:21	7440-66-6	
Mercury 7470A	Analytical Method: EPA 7470A Preparation Method: 7470A Pace National - Mt. Juliet							
Mercury	**<0.200**	ug/L	0.200	1	12/22/20 12:33	12/23/20 01:03	7439-97-6	
180.1 Turbidity	Analytical Method: EPA 180.1 Pace Analytical Services - Melville							
Turbidity	**22.6**	NTU	2.0	2		12/05/20 08:30		
2120B W Apparent Color	Analytical Method: SM22 2120B Pace Analytical Services - Melville							
Apparent Color	**40.0**	units	10.0	2		12/05/20 09:13		
pH	**7.1**	Std. Units	0.10	2		12/05/20 09:13		
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**148**	mg/L	1.0	1		12/14/20 18:07		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	**1950**	mg/L	10.0	1		12/09/20 11:41		

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-X (DUPE) **Lab ID: 70155559009** Collected: 12/03/20 10:00 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville							
Chemical Oxygen Demand	**29.2**	mg/L	10.0	1	12/18/20 08:55	12/18/20 11:25		
5210B BOD, 5 day	Analytical Method: SM22 5210B Preparation Method: SM22 5210B Pace Analytical Services - Melville							
BOD, 5 day	**<2.0**	mg/L	2.0	1	12/05/20 08:11	12/10/20 10:11		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196A Pace Analytical Services - Melville							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		12/05/20 14:45	18540-29-9	H3
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	**147**	mg/L	10.0	5		12/16/20 09:56	16887-00-6	
Sulfate	**1150**	mg/L	250	50		12/16/20 13:39	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Melville							
Nitrogen, Kjeldahl, Total	**0.41**	mg/L	0.10	1	12/18/20 06:32	12/18/20 15:52	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**1.1**	mg/L	0.25	5		12/05/20 00:06	14797-55-8	
Nitrate-Nitrite (as N)	**1.1**	mg/L	0.25	5		12/05/20 00:06	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/04/20 22:27	14797-65-0	
Phenolics, Total Recoverable	Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville							
Phenolics, Total Recoverable	**<5.0**	ug/L	5.0	1	12/18/20 10:02	12/18/20 12:06		M1
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**3.7**	mg/L	0.10	1		12/18/20 12:53	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	**<10.0**	ug/L	10.0	1	12/12/20 10:05	12/12/20 13:26	57-12-5	
9060A TOC as NPOC	Analytical Method: EPA 9060A Pace Analytical Services - Melville							
Total Organic Carbon	**2.2**	mg/L	1.0	1		12/21/20 19:39	7440-44-0	
Total Organic Carbon	**2.3**	mg/L	1.0	1		12/21/20 19:39	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-X (DUPE) **Lab ID: 70155559009** Collected: 12/03/20 10:00 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9060A TOC as NPOC	Analytical Method: EPA 9060A Pace Analytical Services - Melville							
Total Organic Carbon	**2.3**	mg/L	1.0	1		12/21/20 19:39	7440-44-0	
Total Organic Carbon	**2.2**	mg/L	1.0	1		12/21/20 19:39	7440-44-0	
Mean Total Organic Carbon	**2.2**	mg/L	1.0	1		12/21/20 19:39	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-5S **Lab ID: 70155559010** Collected: 12/03/20 08:35 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics	Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		12/07/20 15:13	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/07/20 15:13	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/07/20 15:13	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/07/20 15:13	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/07/20 15:13	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 15:13	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/07/20 15:13	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/07/20 15:13	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/07/20 15:13	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/07/20 15:13	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 15:13	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 15:13	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 15:13	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 15:13	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 15:13	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 15:13	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 15:13	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 15:13	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 15:13	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/07/20 15:13	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 15:13	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 15:13	10061-02-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/07/20 15:13	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/07/20 15:13	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/07/20 15:13	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/07/20 15:13	127-18-4	v3
Toluene	**<1.0**	ug/L	1.0	1		12/07/20 15:13	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 15:13	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 15:13	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 15:13	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 15:13	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/07/20 15:13	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		12/07/20 15:13	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	95	%	69-122	1		12/07/20 15:13	460-00-4	
Toluene-d8 (S)	91	%	79-110	1		12/07/20 15:13	2037-26-5	
1,2-Dichloroethane-d4 (S)	112	%	74-119	1		12/07/20 15:13	17060-07-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-5D **Lab ID: 70155559011** Collected: 12/03/20 08:55 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics	Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		12/07/20 15:35	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/07/20 15:35	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/07/20 15:35	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/07/20 15:35	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/07/20 15:35	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 15:35	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/07/20 15:35	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/07/20 15:35	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/07/20 15:35	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/07/20 15:35	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 15:35	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 15:35	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 15:35	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 15:35	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 15:35	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 15:35	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 15:35	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 15:35	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 15:35	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/07/20 15:35	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 15:35	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 15:35	10061-02-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/07/20 15:35	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/07/20 15:35	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/07/20 15:35	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/07/20 15:35	127-18-4	v3
Toluene	**<1.0**	ug/L	1.0	1		12/07/20 15:35	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 15:35	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 15:35	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 15:35	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 15:35	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/07/20 15:35	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		12/07/20 15:35	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	98	%	69-122	1		12/07/20 15:35	460-00-4	
Toluene-d8 (S)	87	%	79-110	1		12/07/20 15:35	2037-26-5	
1,2-Dichloroethane-d4 (S)	112	%	74-119	1		12/07/20 15:35	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-6S **Lab ID: 70155559012** Collected: 12/03/20 13:00 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics	Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		12/07/20 15:57	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/07/20 15:57	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/07/20 15:57	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/07/20 15:57	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/07/20 15:57	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 15:57	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/07/20 15:57	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/07/20 15:57	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/07/20 15:57	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/07/20 15:57	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 15:57	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 15:57	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 15:57	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 15:57	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 15:57	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 15:57	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 15:57	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 15:57	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 15:57	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/07/20 15:57	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 15:57	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 15:57	10061-02-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/07/20 15:57	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/07/20 15:57	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/07/20 15:57	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/07/20 15:57	127-18-4	v3
Toluene	**<1.0**	ug/L	1.0	1		12/07/20 15:57	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 15:57	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 15:57	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 15:57	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 15:57	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/07/20 15:57	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		12/07/20 15:57	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	95	%	69-122	1		12/07/20 15:57	460-00-4	
Toluene-d8 (S)	88	%	79-110	1		12/07/20 15:57	2037-26-5	
1,2-Dichloroethane-d4 (S)	107	%	74-119	1		12/07/20 15:57	17060-07-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-6D **Lab ID: 70155559013** Collected: 12/03/20 12:30 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics	Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		12/07/20 16:18	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/07/20 16:18	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/07/20 16:18	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/07/20 16:18	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/07/20 16:18	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 16:18	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/07/20 16:18	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/07/20 16:18	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/07/20 16:18	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/07/20 16:18	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 16:18	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 16:18	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 16:18	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 16:18	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 16:18	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 16:18	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 16:18	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 16:18	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 16:18	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/07/20 16:18	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 16:18	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 16:18	10061-02-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/07/20 16:18	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/07/20 16:18	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/07/20 16:18	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/07/20 16:18	127-18-4	v3
Toluene	**<1.0**	ug/L	1.0	1		12/07/20 16:18	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 16:18	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 16:18	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 16:18	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 16:18	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/07/20 16:18	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		12/07/20 16:18	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	96	%	69-122	1		12/07/20 16:18	460-00-4	
Toluene-d8 (S)	92	%	79-110	1		12/07/20 16:18	2037-26-5	
1,2-Dichloroethane-d4 (S)	110	%	74-119	1		12/07/20 16:18	17060-07-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-8S **Lab ID: 70155559014** Collected: 12/03/20 12:08 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics	Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		12/07/20 16:40	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/07/20 16:40	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/07/20 16:40	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/07/20 16:40	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/07/20 16:40	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 16:40	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/07/20 16:40	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/07/20 16:40	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/07/20 16:40	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/07/20 16:40	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 16:40	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 16:40	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 16:40	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 16:40	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 16:40	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 16:40	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 16:40	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 16:40	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 16:40	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/07/20 16:40	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 16:40	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 16:40	10061-02-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/07/20 16:40	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/07/20 16:40	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/07/20 16:40	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/07/20 16:40	127-18-4	v3
Toluene	**<1.0**	ug/L	1.0	1		12/07/20 16:40	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 16:40	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 16:40	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 16:40	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 16:40	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/07/20 16:40	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		12/07/20 16:40	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%	69-122	1		12/07/20 16:40	460-00-4	
Toluene-d8 (S)	93	%	79-110	1		12/07/20 16:40	2037-26-5	
1,2-Dichloroethane-d4 (S)	117	%	74-119	1		12/07/20 16:40	17060-07-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-8D **Lab ID: 70155559015** Collected: 12/03/20 11:38 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics	Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		12/07/20 17:02	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/07/20 17:02	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/07/20 17:02	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/07/20 17:02	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/07/20 17:02	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 17:02	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/07/20 17:02	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/07/20 17:02	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/07/20 17:02	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/07/20 17:02	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 17:02	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 17:02	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 17:02	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 17:02	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 17:02	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 17:02	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 17:02	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 17:02	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 17:02	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/07/20 17:02	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 17:02	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 17:02	10061-02-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/07/20 17:02	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/07/20 17:02	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/07/20 17:02	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/07/20 17:02	127-18-4	v3
Toluene	**<1.0**	ug/L	1.0	1		12/07/20 17:02	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 17:02	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 17:02	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 17:02	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 17:02	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/07/20 17:02	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		12/07/20 17:02	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%	69-122	1		12/07/20 17:02	460-00-4	
Toluene-d8 (S)	92	%	79-110	1		12/07/20 17:02	2037-26-5	
1,2-Dichloroethane-d4 (S)	111	%	74-119	1		12/07/20 17:02	17060-07-0	

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-9S **Lab ID: 70155559016** Collected: 12/03/20 10:20 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics	Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		12/07/20 17:23	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/07/20 17:23	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/07/20 17:23	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/07/20 17:23	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/07/20 17:23	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 17:23	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/07/20 17:23	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/07/20 17:23	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/07/20 17:23	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/07/20 17:23	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 17:23	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 17:23	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 17:23	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 17:23	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 17:23	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 17:23	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 17:23	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 17:23	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 17:23	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/07/20 17:23	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 17:23	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 17:23	10061-02-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/07/20 17:23	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/07/20 17:23	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/07/20 17:23	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/07/20 17:23	127-18-4	v3
Toluene	**<1.0**	ug/L	1.0	1		12/07/20 17:23	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 17:23	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 17:23	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 17:23	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 17:23	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/07/20 17:23	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		12/07/20 17:23	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	99	%	69-122	1		12/07/20 17:23	460-00-4	
Toluene-d8 (S)	91	%	79-110	1		12/07/20 17:23	2037-26-5	
1,2-Dichloroethane-d4 (S)	113	%	74-119	1		12/07/20 17:23	17060-07-0	

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(631)694-3040

ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-9D **Lab ID: 70155559017** Collected: 12/03/20 09:55 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics	Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		12/07/20 17:45	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/07/20 17:45	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/07/20 17:45	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/07/20 17:45	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/07/20 17:45	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 17:45	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/07/20 17:45	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/07/20 17:45	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/07/20 17:45	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/07/20 17:45	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 17:45	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 17:45	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 17:45	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 17:45	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 17:45	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 17:45	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 17:45	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 17:45	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 17:45	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/07/20 17:45	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 17:45	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 17:45	10061-02-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/07/20 17:45	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/07/20 17:45	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/07/20 17:45	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/07/20 17:45	127-18-4	v3
Toluene	**<1.0**	ug/L	1.0	1		12/07/20 17:45	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 17:45	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 17:45	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 17:45	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 17:45	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/07/20 17:45	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		12/07/20 17:45	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	95	%	69-122	1		12/07/20 17:45	460-00-4	
Toluene-d8 (S)	93	%	79-110	1		12/07/20 17:45	2037-26-5	
1,2-Dichloroethane-d4 (S)	115	%	74-119	1		12/07/20 17:45	17060-07-0	

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(631)694-3040

ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: MW-X (DUPE) **Lab ID: 70155559018** Collected: 12/03/20 10:00 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics	Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		12/07/20 18:06	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/07/20 18:06	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/07/20 18:06	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/07/20 18:06	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/07/20 18:06	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 18:06	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/07/20 18:06	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/07/20 18:06	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/07/20 18:06	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/07/20 18:06	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 18:06	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 18:06	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 18:06	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 18:06	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 18:06	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 18:06	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 18:06	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 18:06	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 18:06	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/07/20 18:06	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 18:06	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 18:06	10061-02-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/07/20 18:06	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/07/20 18:06	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/07/20 18:06	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/07/20 18:06	127-18-4	v3
Toluene	**<1.0**	ug/L	1.0	1		12/07/20 18:06	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 18:06	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 18:06	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 18:06	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 18:06	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/07/20 18:06	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		12/07/20 18:06	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	94	%	69-122	1		12/07/20 18:06	460-00-4	
Toluene-d8 (S)	89	%	79-110	1		12/07/20 18:06	2037-26-5	
1,2-Dichloroethane-d4 (S)	111	%	74-119	1		12/07/20 18:06	17060-07-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: TRIP BLANK **Lab ID: 70155559019** Collected: 12/03/20 00:00 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics	Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		12/07/20 18:28	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/07/20 18:28	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/07/20 18:28	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/07/20 18:28	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/07/20 18:28	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 18:28	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/07/20 18:28	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/07/20 18:28	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/07/20 18:28	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/07/20 18:28	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 18:28	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 18:28	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/07/20 18:28	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 18:28	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 18:28	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 18:28	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 18:28	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 18:28	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 18:28	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/07/20 18:28	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 18:28	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/07/20 18:28	10061-02-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/07/20 18:28	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/07/20 18:28	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/07/20 18:28	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/07/20 18:28	127-18-4	v3
Toluene	**<1.0**	ug/L	1.0	1		12/07/20 18:28	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 18:28	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/07/20 18:28	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/07/20 18:28	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/07/20 18:28	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/07/20 18:28	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		12/07/20 18:28	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	95	%	69-122	1		12/07/20 18:28	460-00-4	
Toluene-d8 (S)	90	%	79-110	1		12/07/20 18:28	2037-26-5	
1,2-Dichloroethane-d4 (S)	113	%	74-119	1		12/07/20 18:28	17060-07-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Sample: STORAGE BLANK **Lab ID: 70155559020** Collected: 12/03/20 00:00 Received: 12/04/20 10:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics	Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		12/07/20 18:49	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/07/20 18:49	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		12/07/20 18:49	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		12/07/20 18:49	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/07/20 18:49	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		12/07/20 18:49	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		12/07/20 18:49	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		12/07/20 18:49	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/07/20 18:49	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		12/07/20 18:49	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		12/07/20 18:49	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		12/07/20 18:49	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		12/07/20 18:49	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		12/07/20 18:49	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/07/20 18:49	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		12/07/20 18:49	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/07/20 18:49	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/07/20 18:49	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/07/20 18:49	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/07/20 18:49	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/07/20 18:49	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/07/20 18:49	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		12/07/20 18:49	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		12/07/20 18:49	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/07/20 18:49	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		12/07/20 18:49	127-18-4	v3
Toluene	<1.0	ug/L	1.0	1		12/07/20 18:49	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/07/20 18:49	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/07/20 18:49	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		12/07/20 18:49	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		12/07/20 18:49	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		12/07/20 18:49	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		12/07/20 18:49	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	93	%	69-122	1		12/07/20 18:49	460-00-4	
Toluene-d8 (S)	85	%	79-110	1		12/07/20 18:49	2037-26-5	
1,2-Dichloroethane-d4 (S)	111	%	74-119	1		12/07/20 18:49	17060-07-0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 190005
QC Batch Method: EPA 6010C
Analysis Method: EPA 6010C
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559001, 70155559002, 70155559006, 70155559007

METHOD BLANK: 932829 Matrix: Water
Associated Lab Samples: 70155559001, 70155559002, 70155559006, 70155559007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	<200	200	12/18/20 09:48	
Antimony, Dissolved	ug/L	<60.0	60.0	12/18/20 09:48	
Arsenic, Dissolved	ug/L	<10.0	10.0	12/18/20 09:48	
Barium, Dissolved	ug/L	<200	200	12/18/20 09:48	
Beryllium, Dissolved	ug/L	<5.0	5.0	12/18/20 09:48	
Boron, Dissolved	ug/L	<50.0	50.0	12/18/20 09:48	
Cadmium, Dissolved	ug/L	<2.5	2.5	12/18/20 09:48	
Calcium, Dissolved	ug/L	<200	200	12/18/20 09:48	
Chromium, Dissolved	ug/L	<10.0	10.0	12/18/20 09:48	
Copper, Dissolved	ug/L	<25.0	25.0	12/18/20 09:48	
Iron, Dissolved	ug/L	<20.0	20.0	12/18/20 09:48	
Lead, Dissolved	ug/L	<5.0	5.0	12/18/20 09:48	
Magnesium, Dissolved	ug/L	<200	200	12/18/20 09:48	
Manganese, Dissolved	ug/L	<10.0	10.0	12/18/20 09:48	
Nickel, Dissolved	ug/L	<40.0	40.0	12/18/20 09:48	
Potassium, Dissolved	ug/L	<5000	5000	12/18/20 09:48	
Selenium, Dissolved	ug/L	<10.0	10.0	12/18/20 09:48	
Silver, Dissolved	ug/L	<10.0	10.0	12/18/20 09:48	
Sodium, Dissolved	ug/L	<5000	5000	12/18/20 09:48	
Thallium, Dissolved	ug/L	<10.0	10.0	12/18/20 09:48	
Zinc, Dissolved	ug/L	<20.0	20.0	12/18/20 09:48	

LABORATORY CONTROL SAMPLE: 932830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	5000	4970	99	80-120	
Antimony, Dissolved	ug/L	750	773	103	80-120	
Arsenic, Dissolved	ug/L	500	487	97	80-120	
Barium, Dissolved	ug/L	500	490	98	80-120	
Beryllium, Dissolved	ug/L	50	49.7	99	80-120	
Boron, Dissolved	ug/L	2500	2460	98	80-120	
Cadmium, Dissolved	ug/L	50	49.4	99	80-120	
Calcium, Dissolved	ug/L	25000	25000	100	80-120	
Chromium, Dissolved	ug/L	250	245	98	80-120	
Copper, Dissolved	ug/L	250	238	95	80-120	
Iron, Dissolved	ug/L	2000	1970	99	80-120	
Lead, Dissolved	ug/L	500	497	99	80-120	
Magnesium, Dissolved	ug/L	25000	24600	98	80-120	
Manganese, Dissolved	ug/L	250	244	98	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

LABORATORY CONTROL SAMPLE: 932830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel, Dissolved	ug/L	250	249	100	80-120	
Potassium, Dissolved	ug/L	50000	49000	98	80-120	
Selenium, Dissolved	ug/L	750	740	99	80-120	
Silver, Dissolved	ug/L	250	247	99	80-120	
Sodium, Dissolved	ug/L	50000	48300	97	80-120	
Thallium, Dissolved	ug/L	750	737	98	80-120	
Zinc, Dissolved	ug/L	1000	963	96	80-120	

MATRIX SPIKE SAMPLE: 932832

Parameter	Units	70155526001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	<200	5000	5200	104	75-125	
Antimony, Dissolved	ug/L	<60.0	750	832	110	75-125	
Arsenic, Dissolved	ug/L	<10.0	500	509	101	75-125	
Barium, Dissolved	ug/L	<200	500	514	103	75-125	
Beryllium, Dissolved	ug/L	<5.0	50	51.4	103	75-125	
Boron, Dissolved	ug/L	2080	2500	4550	99	75-125	
Cadmium, Dissolved	ug/L	<2.5	50	51.9	104	75-125	
Calcium, Dissolved	ug/L	<200	25000	26300	104	75-125	
Chromium, Dissolved	ug/L	<10.0	250	259	104	75-125	
Copper, Dissolved	ug/L	<25.0	250	249	100	75-125	
Iron, Dissolved	ug/L	<20.0	2000	2070	104	75-125	
Lead, Dissolved	ug/L	<5.0	500	521	104	75-125	
Magnesium, Dissolved	ug/L	<200	25000	25900	104	75-125	
Manganese, Dissolved	ug/L	<10.0	250	259	103	75-125	
Nickel, Dissolved	ug/L	<40.0	250	262	105	75-125	
Potassium, Dissolved	ug/L	<5000	50000	52100	103	75-125	
Selenium, Dissolved	ug/L	<10.0	750	763	102	75-125	
Silver, Dissolved	ug/L	<10.0	250	62.3	25	75-125	M1
Sodium, Dissolved	ug/L	20100	50000	71200	102	75-125	
Thallium, Dissolved	ug/L	<10.0	750	787	105	75-125	
Zinc, Dissolved	ug/L	<20.0	1000	1020	102	75-125	

SAMPLE DUPLICATE: 932831

Parameter	Units	70155526001 Result	Dup Result	RPD	Qualifiers
Aluminum, Dissolved	ug/L	<200	<200		
Antimony, Dissolved	ug/L	<60.0	<60.0		
Arsenic, Dissolved	ug/L	<10.0	<10.0		
Barium, Dissolved	ug/L	<200	<200		
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Boron, Dissolved	ug/L	2080	2030	2	
Cadmium, Dissolved	ug/L	<2.5	<2.5		
Calcium, Dissolved	ug/L	<200	<200		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

SAMPLE DUPLICATE: 932831

Parameter	Units	70155526001 Result	Dup Result	RPD	Qualifiers
Chromium, Dissolved	ug/L	<10.0	<10.0		
Copper, Dissolved	ug/L	<25.0	<25.0		
Iron, Dissolved	ug/L	<20.0	<20.0		
Lead, Dissolved	ug/L	<5.0	<5.0		
Magnesium, Dissolved	ug/L	<200	<200		
Manganese, Dissolved	ug/L	<10.0	<10.0		
Nickel, Dissolved	ug/L	<40.0	<40.0		
Potassium, Dissolved	ug/L	<5000	<5000		
Selenium, Dissolved	ug/L	<10.0	<10.0		
Silver, Dissolved	ug/L	<10.0	<10.0		
Sodium, Dissolved	ug/L	20100	19900	1	
Thallium, Dissolved	ug/L	<10.0	<10.0		
Zinc, Dissolved	ug/L	<20.0	<20.0		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 1595241
QC Batch Method: 7470A
Analysis Method: EPA 7470A
Analysis Description: Mercury 7470A
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples:

METHOD BLANK: R3606437-1 Matrix: Water
Associated Lab Samples: 70155559001, 70155559002, 70155559006, 70155559007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.200	0.200	12/23/20 01:15	

LABORATORY CONTROL SAMPLE: R3606437-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	3.00	3.20	107	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3606437-3 R3606437-4

Parameter	Units	L1298800-08 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury, Dissolved	ug/L	ND	3.00	3.00	3.40	3.20	113	107	75.0-125	6.14	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 1595798
QC Batch Method: 7470A
Analysis Method: EPA 7470A
Analysis Description: Mercury 7470A
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

METHOD BLANK: R3606425-1 Matrix: Water
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.200	0.200	12/23/20 00:14	

LABORATORY CONTROL SAMPLE: R3606425-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	3.00	3.18	106	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3606425-3 R3606425-4

Parameter	Units	L1297308-15 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	ND	3.00	3.00	2.61	2.73	87.0	91.0	75.0-125	4.47	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 189082
QC Batch Method: EPA 3005A
Analysis Method: EPA 6010C
Analysis Description: 6010 MET Water
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70155559001

METHOD BLANK: 927743 Matrix: Water
Associated Lab Samples: 70155559001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<200	200	12/16/20 10:24	
Antimony	ug/L	<60.0	60.0	12/16/20 10:24	
Arsenic	ug/L	<10.0	10.0	12/16/20 10:24	
Barium	ug/L	<200	200	12/16/20 10:24	
Beryllium	ug/L	<5.0	5.0	12/16/20 10:24	
Boron	ug/L	<50.0	50.0	12/16/20 10:24	
Cadmium	ug/L	<2.5	2.5	12/16/20 10:24	
Calcium	ug/L	<200	200	12/16/20 10:24	
Chromium	ug/L	<10.0	10.0	12/16/20 10:24	
Copper	ug/L	<25.0	25.0	12/16/20 10:24	
Iron	ug/L	<20.0	20.0	12/16/20 10:24	
Lead	ug/L	<5.0	5.0	12/16/20 10:24	
Magnesium	ug/L	<200	200	12/16/20 10:24	
Manganese	ug/L	<10.0	10.0	12/16/20 10:24	
Nickel	ug/L	<40.0	40.0	12/16/20 10:24	
Potassium	ug/L	<5000	5000	12/16/20 10:24	
Selenium	ug/L	<10.0	10.0	12/16/20 10:24	
Silver	ug/L	<10.0	10.0	12/16/20 10:24	
Sodium	ug/L	<5000	5000	12/16/20 10:24	
Thallium	ug/L	<10.0	10.0	12/16/20 10:24	
Zinc	ug/L	<20.0	20.0	12/16/20 10:24	

LABORATORY CONTROL SAMPLE: 927744

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	4680	94	80-120	
Antimony	ug/L	750	714	95	80-120	
Arsenic	ug/L	500	462	92	80-120	
Barium	ug/L	500	470	94	80-120	
Beryllium	ug/L	50	47.4	95	80-120	
Boron	ug/L	2500	2370	95	80-120	
Cadmium	ug/L	50	47.0	94	80-120	
Calcium	ug/L	25000	23400	94	80-120	
Chromium	ug/L	250	236	94	80-120	
Copper	ug/L	250	242	97	80-120	
Iron	ug/L	2000	1870	93	80-120	
Lead	ug/L	500	472	94	80-120	
Magnesium	ug/L	25000	23200	93	80-120	
Manganese	ug/L	250	234	94	80-120	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

LABORATORY CONTROL SAMPLE: 927744

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	ug/L	250	234	94	80-120	
Potassium	ug/L	50000	46900	94	80-120	
Selenium	ug/L	750	685	91	80-120	
Silver	ug/L	250	236	94	80-120	
Sodium	ug/L	50000	47300	95	80-120	
Thallium	ug/L	750	707	94	80-120	
Zinc	ug/L	1000	918	92	80-120	

MATRIX SPIKE SAMPLE: 927746

Parameter	Units	70155559001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	24800	5000	57900	662	75-125	M1
Antimony	ug/L	<60.0	750	608	81	75-125	
Arsenic	ug/L	28.2	500	485	91	75-125	
Barium	ug/L	538	500	1050	102	75-125	
Beryllium	ug/L	<5.0	50	47.5	93	75-125	
Boron	ug/L	138	2500	2620	99	75-125	
Cadmium	ug/L	<2.5	50	44.7	89	75-125	
Calcium	ug/L	270000	25000	290000	80	75-125	
Chromium	ug/L	54.2	250	306	101	75-125	
Copper	ug/L	60.1	250	283	89	75-125	
Iron	ug/L	51500	2000	60100	431	75-125	M1
Lead	ug/L	18.0	500	470	90	75-125	
Magnesium	ug/L	76300	25000	103000	107	75-125	
Manganese	ug/L	3030	250	3270	96	75-125	
Nickel	ug/L	156	250	472	126	75-125	M1
Potassium	ug/L	15400	50000	80600	130	75-125	M1
Selenium	ug/L	<10.0	750	674	89	75-125	
Silver	ug/L	<10.0	250	89.1	34	75-125	M1
Sodium	ug/L	13400	50000	62100	97	75-125	
Thallium	ug/L	<10.0	750	669	89	75-125	
Zinc	ug/L	113	1000	962	85	75-125	

SAMPLE DUPLICATE: 927745

Parameter	Units	70155559001 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	24800	25700	4	
Antimony	ug/L	<60.0	<60.0		
Arsenic	ug/L	28.2	27.2	4	
Barium	ug/L	538	533	1	
Beryllium	ug/L	<5.0	<5.0		
Boron	ug/L	138	142	3	
Cadmium	ug/L	<2.5	<2.5		
Calcium	ug/L	270000	268000	1	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

SAMPLE DUPLICATE: 927745

Parameter	Units	70155559001 Result	Dup Result	RPD	Qualifiers
Chromium	ug/L	54.2	55.8	3	
Copper	ug/L	60.1	61.5	2	
Iron	ug/L	51500	52500	2	
Lead	ug/L	18.0	17.7	2	
Magnesium	ug/L	76300	75800	1	
Manganese	ug/L	3030	3000	1	
Nickel	ug/L	156	158	1	
Potassium	ug/L	15400	15900	3	
Selenium	ug/L	<10.0	<10.0		
Silver	ug/L	<10.0	<10.0		
Sodium	ug/L	13400	13300	1	
Thallium	ug/L	<10.0	<10.0		
Zinc	ug/L	113	113	0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 189443
QC Batch Method: EPA 3005A
Analysis Method: EPA 6010C
Analysis Description: 6010 MET Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

METHOD BLANK: 930054 Matrix: Water
Associated Lab Samples: 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<200	200	12/16/20 16:41	
Antimony	ug/L	<60.0	60.0	12/16/20 16:41	
Arsenic	ug/L	<10.0	10.0	12/16/20 16:41	
Barium	ug/L	<200	200	12/16/20 16:41	
Beryllium	ug/L	<5.0	5.0	12/16/20 16:41	
Boron	ug/L	<50.0	50.0	12/16/20 16:41	
Cadmium	ug/L	<2.5	2.5	12/16/20 16:41	
Calcium	ug/L	<200	200	12/16/20 16:41	
Chromium	ug/L	<10.0	10.0	12/16/20 16:41	
Copper	ug/L	<25.0	25.0	12/16/20 16:41	
Iron	ug/L	<20.0	20.0	12/16/20 16:41	
Lead	ug/L	<5.0	5.0	12/16/20 16:41	
Magnesium	ug/L	<200	200	12/16/20 16:41	
Manganese	ug/L	<10.0	10.0	12/16/20 16:41	
Nickel	ug/L	<40.0	40.0	12/16/20 16:41	
Potassium	ug/L	<5000	5000	12/16/20 16:41	
Selenium	ug/L	<10.0	10.0	12/16/20 16:41	
Silver	ug/L	<10.0	10.0	12/16/20 16:41	
Sodium	ug/L	<5000	5000	12/16/20 16:41	
Thallium	ug/L	<10.0	10.0	12/16/20 16:41	
Zinc	ug/L	<20.0	20.0	12/16/20 16:41	

LABORATORY CONTROL SAMPLE: 930055

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	5010	100	80-120	
Antimony	ug/L	750	765	102	80-120	
Arsenic	ug/L	500	494	99	80-120	
Barium	ug/L	500	506	101	80-120	
Beryllium	ug/L	50	50.8	102	80-120	
Boron	ug/L	2500	2510	100	80-120	
Cadmium	ug/L	50	50.1	100	80-120	
Calcium	ug/L	25000	25100	100	80-120	
Chromium	ug/L	250	255	102	80-120	
Copper	ug/L	250	256	102	80-120	
Iron	ug/L	2000	2000	100	80-120	
Lead	ug/L	500	505	101	80-120	

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REPORT OF LABORATORY ANALYSIS

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(631)694-3040

QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

LABORATORY CONTROL SAMPLE: 930055

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium	ug/L	25000	25000	100	80-120	
Manganese	ug/L	250	252	101	80-120	
Nickel	ug/L	250	253	101	80-120	
Potassium	ug/L	50000	50500	101	80-120	
Selenium	ug/L	750	702	94	80-120	
Silver	ug/L	250	251	100	80-120	
Sodium	ug/L	50000	50900	102	80-120	
Thallium	ug/L	750	754	101	80-120	
Zinc	ug/L	1000	1010	101	80-120	

MATRIX SPIKE SAMPLE: 930057

Parameter	Units	70155559002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	<200	5000	5110	101	75-125	
Antimony	ug/L	<60.0	750	764	102	75-125	
Arsenic	ug/L	32.2	500	534	100	75-125	
Barium	ug/L	<200	500	512	101	75-125	
Beryllium	ug/L	<5.0	50	48.3	97	75-125	
Boron	ug/L	3440	2500	6000	102	75-125	
Cadmium	ug/L	<2.5	50	47.3	95	75-125	
Calcium	ug/L	415000	25000	440000	100	75-125	
Chromium	ug/L	<10.0	250	251	100	75-125	
Copper	ug/L	<25.0	250	239	96	75-125	
Iron	ug/L	7160	2000	9150	100	75-125	
Lead	ug/L	<5.0	500	479	96	75-125	
Magnesium	ug/L	19600	25000	44000	98	75-125	
Manganese	ug/L	105	250	359	102	75-125	
Nickel	ug/L	<40.0	250	255	98	75-125	
Potassium	ug/L	57500	50000	111000	107	75-125	
Selenium	ug/L	<10.0	750	703	94	75-125	
Silver	ug/L	<10.0	250	85.1	34	75-125	M1
Sodium	ug/L	66900	50000	118000	102	75-125	
Thallium	ug/L	<10.0	750	708	94	75-125	
Zinc	ug/L	<20.0	1000	959	95	75-125	

SAMPLE DUPLICATE: 930056

Parameter	Units	70155559002 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	<200	<200		
Antimony	ug/L	<60.0	<60.0		
Arsenic	ug/L	32.2	32.2	0	
Barium	ug/L	<200	<200		
Beryllium	ug/L	<5.0	<5.0		
Boron	ug/L	3440	3480	1	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

SAMPLE DUPLICATE: 930056

Parameter	Units	70155559002 Result	Dup Result	RPD	Qualifiers
Cadmium	ug/L	<2.5	<2.5		
Calcium	ug/L	415000	419000	1	
Chromium	ug/L	<10.0	<10.0		
Copper	ug/L	<25.0	<25.0		
Iron	ug/L	7160	7200	1	
Lead	ug/L	<5.0	<5.0		
Magnesium	ug/L	19600	19800	1	
Manganese	ug/L	105	106	1	
Nickel	ug/L	<40.0	<40.0		
Potassium	ug/L	57500	58000	1	
Selenium	ug/L	<10.0	<10.0		
Silver	ug/L	<10.0	<10.0		
Sodium	ug/L	66900	67400	1	
Thallium	ug/L	<10.0	<10.0		
Zinc	ug/L	<20.0	<20.0		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 188612
QC Batch Method: EPA 624.1
Analysis Method: EPA 624.1
Analysis Description: 624.1 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559010, 70155559011, 70155559012, 70155559013, 70155559014, 70155559015, 70155559016, 70155559017, 70155559018, 70155559019, 70155559020

METHOD BLANK: 925587
Matrix: Water
Associated Lab Samples: 70155559010, 70155559011, 70155559012, 70155559013, 70155559014, 70155559015, 70155559016, 70155559017, 70155559018, 70155559019, 70155559020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	12/07/20 11:45	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	12/07/20 11:45	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	12/07/20 11:45	
1,1-Dichloroethane	ug/L	<1.0	1.0	12/07/20 11:45	
1,1-Dichloroethene	ug/L	<1.0	1.0	12/07/20 11:45	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	12/07/20 11:45	
1,2-Dichloroethane	ug/L	<1.0	1.0	12/07/20 11:45	
1,2-Dichloropropane	ug/L	<1.0	1.0	12/07/20 11:45	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	12/07/20 11:45	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	12/07/20 11:45	
Benzene	ug/L	<1.0	1.0	12/07/20 11:45	
Bromodichloromethane	ug/L	<1.0	1.0	12/07/20 11:45	
Bromoform	ug/L	<1.0	1.0	12/07/20 11:45	
Bromomethane	ug/L	<1.0	1.0	12/07/20 11:45	
Carbon tetrachloride	ug/L	<1.0	1.0	12/07/20 11:45	
Chlorobenzene	ug/L	<1.0	1.0	12/07/20 11:45	
Chloroethane	ug/L	<1.0	1.0	12/07/20 11:45	
Chloroform	ug/L	<1.0	1.0	12/07/20 11:45	
Chloromethane	ug/L	<1.0	1.0	12/07/20 11:45	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	12/07/20 11:45	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	12/07/20 11:45	
Dibromochloromethane	ug/L	<1.0	1.0	12/07/20 11:45	
Dichlorodifluoromethane	ug/L	<1.0	1.0	12/07/20 11:45	
Ethylbenzene	ug/L	<1.0	1.0	12/07/20 11:45	
Methylene Chloride	ug/L	<1.0	1.0	12/07/20 11:45	
Tetrachloroethene	ug/L	<1.0	1.0	12/07/20 11:45	v3
Toluene	ug/L	<1.0	1.0	12/07/20 11:45	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	12/07/20 11:45	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	12/07/20 11:45	
Trichloroethene	ug/L	<1.0	1.0	12/07/20 11:45	
Trichlorofluoromethane	ug/L	<1.0	1.0	12/07/20 11:45	
Vinyl chloride	ug/L	<1.0	1.0	12/07/20 11:45	
Xylene (Total)	ug/L	<1.0	1.0	12/07/20 11:45	
1,2-Dichloroethane-d4 (S)	%	105	74-119	12/07/20 11:45	
4-Bromofluorobenzene (S)	%	100	69-122	12/07/20 11:45	
Toluene-d8 (S)	%	95	79-110	12/07/20 11:45	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

LABORATORY CONTROL SAMPLE: 925588

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.9	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.5	103	60-140	
1,1,2-Trichloroethane	ug/L	20	22.1	110	70-130	
1,1-Dichloroethane	ug/L	20	24.0	120	70-130	
1,1-Dichloroethene	ug/L	20	18.6	93	70-130	
1,2-Dichlorobenzene	ug/L	20	19.1	96	65-135	
1,2-Dichloroethane	ug/L	20	23.0	115	70-130	
1,2-Dichloropropane	ug/L	20	20.7	104	35-165	
1,3-Dichlorobenzene	ug/L	20	18.9	95	70-130	
1,4-Dichlorobenzene	ug/L	20	18.0	90	65-135	
Benzene	ug/L	20	19.1	96	65-135	
Bromodichloromethane	ug/L	20	21.4	107	65-135	
Bromoform	ug/L	20	16.7	83	70-130	
Bromomethane	ug/L	20	15.8	79	15-185	
Carbon tetrachloride	ug/L	20	20.4	102	70-130	
Chlorobenzene	ug/L	20	17.3	87	65-135	
Chloroethane	ug/L	20	16.3	82	40-160	
Chloroform	ug/L	20	22.4	112	70-135	
Chloromethane	ug/L	20	12.6	63	10-205	
cis-1,2-Dichloroethene	ug/L	20	21.0	105	57-138	
cis-1,3-Dichloropropene	ug/L	20	22.0	110	25-175	
Dibromochloromethane	ug/L	20	19.6	98	70-135	
Dichlorodifluoromethane	ug/L	20	6.0	30	10-139	
Ethylbenzene	ug/L	20	18.1	91	60-140	
Methylene Chloride	ug/L	20	21.6	108	60-140	
Tetrachloroethene	ug/L	20	16.2	81	65-135	v3
Toluene	ug/L	20	19.3	97	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.0	100	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.2	106	50-150	
Trichloroethene	ug/L	20	19.8	99	65-135	
Trichlorofluoromethane	ug/L	20	16.6	83	50-150	
Vinyl chloride	ug/L	20	15.6	78	5-195	
Xylene (Total)	ug/L	60	56.0	93	67-132	
1,2-Dichloroethane-d4 (S)	%			108	74-119	
4-Bromofluorobenzene (S)	%			96	69-122	
Toluene-d8 (S)	%			88	79-110	

MATRIX SPIKE SAMPLE: 925589

Parameter	Units	70155649001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	20	20.7	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	20.3	102	40-160	
1,1,2-Trichloroethane	ug/L	<1.0	20	21.3	106	70-130	
1,1-Dichloroethane	ug/L	<1.0	20	25.2	126	70-130	
1,1-Dichloroethene	ug/L	<1.0	20	19.8	99	50-150	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

MATRIX SPIKE SAMPLE: 925589

Parameter	Units	70155649001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	<1.0	20	19.0	95	62-135	
1,2-Dichloroethane	ug/L	<1.0	20	22.6	113	70-130	
1,2-Dichloropropane	ug/L	<1.0	20	21.5	107	35-165	
1,3-Dichlorobenzene	ug/L	<1.0	20	19.6	98	70-130	
1,4-Dichlorobenzene	ug/L	<1.0	20	19.3	97	65-135	
Benzene	ug/L	<1.0	20	19.8	99	37-151	
Bromodichloromethane	ug/L	<1.0	20	20.6	103	65-135	
Bromoform	ug/L	<1.0	20	16.3	82	70-130	
Bromomethane	ug/L	<1.0	20	12.0	60	15-185	
Carbon tetrachloride	ug/L	<1.0	20	21.6	108	70-130	
Chlorobenzene	ug/L	<1.0	20	17.2	86	65-135	
Chloroethane	ug/L	<1.0	20	16.2	81	40-160	
Chloroform	ug/L	<1.0	20	23.6	118	70-135	
Chloromethane	ug/L	<1.0	20	11.8	59	10-205	
cis-1,2-Dichloroethene	ug/L	<1.0	20	22.0	110	57-139	
cis-1,3-Dichloropropene	ug/L	<1.0	20	20.4	102	25-175	
Dibromochloromethane	ug/L	<1.0	20	18.2	91	70-135	
Dichlorodifluoromethane	ug/L	<1.0	20	6.2	31	10-139	
Ethylbenzene	ug/L	<1.0	20	18.1	90	40-160	
Methylene Chloride	ug/L	<1.0	20	20.7	103	40-160	
Tetrachloroethene	ug/L	<1.0	20	11.2	56	70-130	M1,v3
Toluene	ug/L	<1.0	20	21.1	105	70-130	
trans-1,2-Dichloroethene	ug/L	<1.0	20	20.8	104	70-130	
trans-1,3-Dichloropropene	ug/L	<1.0	20	21.3	106	50-150	
Trichloroethene	ug/L	<1.0	20	20.6	103	65-135	
Trichlorofluoromethane	ug/L	<1.0	20	18.5	92	50-150	
Vinyl chloride	ug/L	<1.0	20	16.7	83	40-160	
Xylene (Total)	ug/L	<1.0	60	56.8	95	67-132	
1,2-Dichloroethane-d4 (S)	%				108	74-119	
4-Bromofluorobenzene (S)	%				102	69-122	
Toluene-d8 (S)	%				87	79-110	

SAMPLE DUPLICATE: 925592

Parameter	Units	70155217001 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,2-Dichlorobenzene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,4-Dichlorobenzene	ug/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

SAMPLE DUPLICATE: 925592

Parameter	Units	70155217001 Result	Dup Result	RPD	Qualifiers
Benzene	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	6.8	7.3	8	
Bromomethane	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,2-Dichloroethene	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		v3
Toluene	ug/L	<1.0	<1.0		
trans-1,2-Dichloroethene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		
Trichlorofluoromethane	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<1.0	<1.0		
1,2-Dichloroethane-d4 (S)	%	111	110		
4-Bromofluorobenzene (S)	%	99	94		
Toluene-d8 (S)	%	91	86		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 188361
QC Batch Method: EPA 180.1
Analysis Method: EPA 180.1
Analysis Description: 180.1 Turbidity
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

METHOD BLANK: 924137 Matrix: Water
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Turbidity	NTU	<1.0	1.0	12/05/20 08:17	

LABORATORY CONTROL SAMPLE: 924138

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Turbidity	NTU	10	10	100	90-110	

SAMPLE DUPLICATE: 924139

Parameter	Units	70155559008 Result	Dup Result	RPD	Qualifiers
Turbidity	NTU	19.8	19.7	1	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 188367
QC Batch Method: SM22 2120B
Analysis Method: SM22 2120B
Analysis Description: 2120B Color
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

METHOD BLANK: 924151 Matrix: Water
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Apparent Color	units	<5.0	5.0	12/05/20 08:03	
True Color	units	<5.0	5.0	12/05/20 08:03	

LABORATORY CONTROL SAMPLE: 924152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Apparent Color	units	40	40.0	100	90-110	
True Color	units	40	40.0	100	90-110	

SAMPLE DUPLICATE: 924153

Parameter	Units	70155559001 Result	Dup Result	RPD	Qualifiers
Apparent Color	units	5.0	5.0	0	
pH	Std. Units	6.8	6.8	0	
True Color	units	5.0	5.0	0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 189475
QC Batch Method: SM22 2320B
Analysis Method: SM22 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

METHOD BLANK: 930192 Matrix: Water
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<1.0	1.0	12/14/20 14:51	

LABORATORY CONTROL SAMPLE: 930193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	25	26.2	105	85-115	

MATRIX SPIKE SAMPLE: 930195

Parameter	Units	70155526001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	11.8	50	65.4	107	75-125	

SAMPLE DUPLICATE: 930194

Parameter	Units	70155526001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	11.8	11.0	7	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 188767
QC Batch Method: SM22 2540C
Analysis Method: SM22 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

METHOD BLANK: 926558 Matrix: Water
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	12/09/20 11:06	

LABORATORY CONTROL SAMPLE: 926559

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	560	112	85-115	

MATRIX SPIKE SAMPLE: 926561

Parameter	Units	70155526001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	100	300	387	96	75-125	

MATRIX SPIKE SAMPLE: 926563

Parameter	Units	70155526002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	52.0	300	338	95	75-125	

SAMPLE DUPLICATE: 926560

Parameter	Units	70155526001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	100	92.0	8	D6

SAMPLE DUPLICATE: 926562

Parameter	Units	70155526002 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	52.0	57.0	9	D6

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 190062
QC Batch Method: EPA 410.4
Analysis Method: EPA 410.4
Analysis Description: 410.4 COD
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

METHOD BLANK: 932988 Matrix: Water
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	10.0	12/18/20 11:24	

LABORATORY CONTROL SAMPLE: 932989

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	529	106	90-110	

MATRIX SPIKE SAMPLE: 932990

Parameter	Units	70155526001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	12.1	1000	990	98	90-110	

MATRIX SPIKE SAMPLE: 932992

Parameter	Units	70156232001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	33.4	1000	1080	105	90-110	

SAMPLE DUPLICATE: 932991

Parameter	Units	70155526001 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	12.1	12.1	0	

SAMPLE DUPLICATE: 932993

Parameter	Units	70156232001 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	33.4	35.6	6	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 188359
QC Batch Method: SM22 5210B
Analysis Method: SM22 5210B
Analysis Description: 5210B BOD, 5 day
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005

METHOD BLANK: 924131 Matrix: Water
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	12/10/20 08:19	

LABORATORY CONTROL SAMPLE: 924132

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	195	98	84.5-115.4	

SAMPLE DUPLICATE: 924133

Parameter	Units	70155445001 Result	Dup Result	RPD	Qualifiers
BOD, 5 day	mg/L	186	171	9	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 188366
QC Batch Method: SM22 5210B
Analysis Method: SM22 5210B
Analysis Description: 5210B BOD, 5 day
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559006, 70155559007, 70155559008, 70155559009

METHOD BLANK: 924148 Matrix: Water
Associated Lab Samples: 70155559006, 70155559007, 70155559008, 70155559009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	12/10/20 09:56	

LABORATORY CONTROL SAMPLE: 924149

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	186	94	84.5-115.4	

SAMPLE DUPLICATE: 924150

Parameter	Units	70155585001 Result	Dup Result	RPD	Qualifiers
BOD, 5 day	mg/L	153	153	0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 188369
QC Batch Method: EPA 7196A
Analysis Method: EPA 7196A
Analysis Description: 7196 Chromium, Hexavalent
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

METHOD BLANK: 924158 Matrix: Water
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.020	12/05/20 14:44	

LABORATORY CONTROL SAMPLE: 924159

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	0.2	0.21	104	85-115	

MATRIX SPIKE SAMPLE: 924194

Parameter	Units	70155526001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.2	0.20	98	85-115	H3

SAMPLE DUPLICATE: 924195

Parameter	Units	70155526001 Result	Dup Result	RPD	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	<0.020		H3

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 189722
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

METHOD BLANK: 931500 Matrix: Water
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	12/16/20 03:36	
Sulfate	mg/L	<5.0	5.0	12/16/20 03:36	

LABORATORY CONTROL SAMPLE: 931501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.3	103	90-110	
Sulfate	mg/L	10	10	100	90-110	

MATRIX SPIKE SAMPLE: 931502

Parameter	Units	70155554001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	<2.0	10	<2.0	0	90-110	M1
Sulfate	mg/L	11.6	10	20.3	87	90-110	M1

MATRIX SPIKE SAMPLE: 931504

Parameter	Units	70155794002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	36.1	10	45.6	94	90-110	
Sulfate	mg/L	<5.0	10	27.9	279	90-110	M1

SAMPLE DUPLICATE: 931503

Parameter	Units	70155554001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	<2.0	<2.0		
Sulfate	mg/L	11.6	11.6	0	

SAMPLE DUPLICATE: 931505

Parameter	Units	70155794002 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	36.1	36.1	0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

SAMPLE DUPLICATE: 931505

Parameter	Units	70155794002 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	<5.0	19.4		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 190060
QC Batch Method: EPA 351.2
Analysis Method: EPA 351.2
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

METHOD BLANK: 932976 Matrix: Water
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.10	12/18/20 15:38	

LABORATORY CONTROL SAMPLE: 932977

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4	4.3	107	90-110	

MATRIX SPIKE SAMPLE: 932978

Parameter	Units	70155526001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.14	4	4.2	101	90-110	

MATRIX SPIKE SAMPLE: 932980

Parameter	Units	70155926002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	10.0	4	13.9	97	90-110	

SAMPLE DUPLICATE: 932979

Parameter	Units	70155526001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.14	<0.10		

SAMPLE DUPLICATE: 932981

Parameter	Units	70155926002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	10.0	8.8	13	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 188351
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrite, Unpres.
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

METHOD BLANK: 924098 Matrix: Water
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.050	12/04/20 21:56	

LABORATORY CONTROL SAMPLE: 924099

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	105	90-110	

MATRIX SPIKE SAMPLE: 924100

Parameter	Units	70155559001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.51	99	90-110	

MATRIX SPIKE SAMPLE: 924102

Parameter	Units	70155526001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.51	100	90-110	

SAMPLE DUPLICATE: 924101

Parameter	Units	70155559001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 924103

Parameter	Units	70155526001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 188354
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate, Unpres.
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

METHOD BLANK: 924114 Matrix: Water
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	ND	0.050	12/04/20 23:47	

LABORATORY CONTROL SAMPLE: 924115

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.0	101	90-110	

MATRIX SPIKE SAMPLE: 924116

Parameter	Units	70155559001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.17	0.5	0.66	98	90-110	

MATRIX SPIKE SAMPLE: 924118

Parameter	Units	70155569001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	5.6	2.5	8.1	100	90-110	

SAMPLE DUPLICATE: 924117

Parameter	Units	70155559001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.17	0.17	0	

SAMPLE DUPLICATE: 924119

Parameter	Units	70155569001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	5.6	5.7	2	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 189759
QC Batch Method: EPA 420.1
Analysis Method: EPA 420.1
Analysis Description: 420.1 Phenolics Macro
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559001, 70155559002, 70155559003

METHOD BLANK: 931728 Matrix: Water
Associated Lab Samples: 70155559001, 70155559002, 70155559003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenolics, Total Recoverable	ug/L	<5.0	5.0	12/16/20 11:48	

LABORATORY CONTROL SAMPLE: 931729

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	ug/L	100	109	109	90-110	

MATRIX SPIKE SAMPLE: 931730

Parameter	Units	70155526002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	ug/L	5.7	50	56.6	102	75-125	

SAMPLE DUPLICATE: 931731

Parameter	Units	70155526002 Result	Dup Result	RPD	Qualifiers
Phenolics, Total Recoverable	ug/L	5.7	<5.0		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 190070
QC Batch Method: EPA 420.1
Analysis Method: EPA 420.1
Analysis Description: 420.1 Phenolics Macro
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

METHOD BLANK: 933020 Matrix: Water
Associated Lab Samples: 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenolics, Total Recoverable	ug/L	<5.0	5.0	12/18/20 12:01	

LABORATORY CONTROL SAMPLE: 933021

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	ug/L	100	108	108	90-110	

MATRIX SPIKE SAMPLE: 933022

Parameter	Units	70155559009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	ug/L	<5.0	50	63.7	127	75-125	M1

SAMPLE DUPLICATE: 933023

Parameter	Units	70155559009 Result	Dup Result	RPD	Qualifiers
Phenolics, Total Recoverable	ug/L	<5.0	<5.0		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 190092
QC Batch Method: SM22 4500 NH3 H
Analysis Method: SM22 4500 NH3 H
Analysis Description: 4500 Ammonia
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

METHOD BLANK: 933069 Matrix: Water
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	12/18/20 12:27	

LABORATORY CONTROL SAMPLE: 933070

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 933071

Parameter	Units	70155526001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.18	1	1.3	112	75-125	

SAMPLE DUPLICATE: 933072

Parameter	Units	70155526001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.18	0.19	4	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 189202
QC Batch Method: EPA 9010C
Analysis Method: EPA 9014 Total Cyanide
Analysis Description: 9014 Cyanide, Total
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559001, 70155559002, 70155559003

METHOD BLANK: 928376 Matrix: Water
Associated Lab Samples: 70155559001, 70155559002, 70155559003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	12/11/20 16:30	

LABORATORY CONTROL SAMPLE: 928377

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	64.9	87	85-115	

MATRIX SPIKE SAMPLE: 928378

Parameter	Units	70155526001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	<10.0	100	121	119	75-125	

SAMPLE DUPLICATE: 928379

Parameter	Units	70155526001 Result	Dup Result	RPD	Qualifiers
Cyanide	ug/L	<10.0	<10.0		

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Pace Analytical
www.pacelabs.com

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 189356
QC Batch Method: EPA 9010C
Analysis Method: EPA 9014 Total Cyanide
Analysis Description: 9014 Cyanide, Total
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

METHOD BLANK: 929222 Matrix: Water
Associated Lab Samples: 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	12/12/20 13:26	

LABORATORY CONTROL SAMPLE: 929223

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	69.5	93	85-115	

MATRIX SPIKE SAMPLE: 929224

Parameter	Units	70155559004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	<10.0	100	102	101	75-125	

SAMPLE DUPLICATE: 929225

Parameter	Units	70155559004 Result	Dup Result	RPD	Qualifiers
Cyanide	ug/L	<10.0	<10.0		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

QC Batch: 190334
QC Batch Method: EPA 9060A
Analysis Method: EPA 9060A
Analysis Description: 9060 TOC
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

METHOD BLANK: 933892 Matrix: Water
Associated Lab Samples: 70155559001, 70155559002, 70155559003, 70155559004, 70155559005, 70155559006, 70155559007, 70155559008, 70155559009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	ND	1.0	12/21/20 16:50	
Total Organic Carbon	mg/L	ND	1.0	12/21/20 16:50	
Total Organic Carbon	mg/L	ND	1.0	12/21/20 16:50	
Total Organic Carbon	mg/L	ND	1.0	12/21/20 16:50	
Total Organic Carbon	mg/L	ND	1.0	12/21/20 16:50	

LABORATORY CONTROL SAMPLE: 933893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	10	9.0	90	85-115	
Total Organic Carbon	mg/L	10	9.0	90	85-115	
Total Organic Carbon	mg/L	10	9.0	90	85-115	
Total Organic Carbon	mg/L	10	9.0	90	85-115	
Total Organic Carbon	mg/L	10	9.1	91	85-115	

MATRIX SPIKE SAMPLE: 933895

Parameter	Units	70155559002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	2.0	10	11.3	92	75-125	
Total Organic Carbon	mg/L	2.0	10	11.3	93	75-125	
Total Organic Carbon	mg/L	2.0	10	11.3	93	75-125	
Total Organic Carbon	mg/L	2.1	10	11.2	91	75-125	
Total Organic Carbon	mg/L	2.0	10	11.3	92	75-125	

SAMPLE DUPLICATE: 933894

Parameter	Units	70155559001 Result	Dup Result	RPD	Qualifiers
Mean Total Organic Carbon	mg/L	2.8	2.5	12	
Total Organic Carbon	mg/L	2.8	2.5	13	
Total Organic Carbon	mg/L	2.8	2.5	13	
Total Organic Carbon	mg/L	2.8	2.5	12	
Total Organic Carbon	mg/L	2.8	2.5	11	

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QUALIFIERS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 70155559010
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70155559011
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70155559012
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70155559013
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70155559014
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70155559015
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70155559016
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70155559017
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70155559018
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.

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QUALIFIERS

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

SAMPLE QUALIFIERS

Sample: 70155559019
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70155559020
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 925589
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 925592
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H1	Analysis conducted outside the EPA method holding time.
H3	Sample was received or analysis requested beyond the recognized method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70155559001	MW-5S				
70155559002	MW-5D				
70155559003	MW-6S				
70155559004	MW-6D				
70155559005	MW-8S				
70155559006	MW-8D				
70155559007	MW-9S				
70155559008	MW-9D				
70155559001	MW-5S	EPA 3005A	189082	EPA 6010C	189090
70155559002	MW-5D	EPA 3005A	189443	EPA 6010C	189459
70155559003	MW-6S	EPA 3005A	189443	EPA 6010C	189459
70155559004	MW-6D	EPA 3005A	189443	EPA 6010C	189459
70155559005	MW-8S	EPA 3005A	189443	EPA 6010C	189459
70155559006	MW-8D	EPA 3005A	189443	EPA 6010C	189459
70155559007	MW-9S	EPA 3005A	189443	EPA 6010C	189459
70155559008	MW-9D	EPA 3005A	189443	EPA 6010C	189459
70155559009	MW-X (DUPE)	EPA 3005A	189443	EPA 6010C	189459
70155559001	MW-5S	EPA 6010C	190005		
70155559002	MW-5D	EPA 6010C	190005		
70155559006	MW-8D	EPA 6010C	190005		
70155559007	MW-9S	EPA 6010C	190005		
70155559001	MW-5S	7470A	1595241	EPA 7470A	1595241
70155559001	MW-5S	7470A	1595798	EPA 7470A	1595798
70155559002	MW-5D	7470A	1595241	EPA 7470A	1595241
70155559002	MW-5D	7470A	1595798	EPA 7470A	1595798
70155559003	MW-6S	7470A	1595798	EPA 7470A	1595798
70155559004	MW-6D	7470A	1595798	EPA 7470A	1595798
70155559005	MW-8S	7470A	1595798	EPA 7470A	1595798
70155559006	MW-8D	7470A	1595241	EPA 7470A	1595241
70155559006	MW-8D	7470A	1595798	EPA 7470A	1595798
70155559007	MW-9S	7470A	1595241	EPA 7470A	1595241
70155559007	MW-9S	7470A	1595798	EPA 7470A	1595798
70155559008	MW-9D	7470A	1595798	EPA 7470A	1595798
70155559009	MW-X (DUPE)	7470A	1595798	EPA 7470A	1595798
70155559010	MW-5S	EPA 624.1	188612		
70155559011	MW-5D	EPA 624.1	188612		
70155559012	MW-6S	EPA 624.1	188612		
70155559013	MW-6D	EPA 624.1	188612		
70155559014	MW-8S	EPA 624.1	188612		
70155559015	MW-8D	EPA 624.1	188612		
70155559016	MW-9S	EPA 624.1	188612		
70155559017	MW-9D	EPA 624.1	188612		
70155559018	MW-X (DUPE)	EPA 624.1	188612		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70155559019	TRIP BLANK	EPA 624.1	188612		
70155559020	STORAGE BLANK	EPA 624.1	188612		
70155559001	MW-5S	EPA 180.1	188361		
70155559002	MW-5D	EPA 180.1	188361		
70155559003	MW-6S	EPA 180.1	188361		
70155559004	MW-6D	EPA 180.1	188361		
70155559005	MW-8S	EPA 180.1	188361		
70155559006	MW-8D	EPA 180.1	188361		
70155559007	MW-9S	EPA 180.1	188361		
70155559008	MW-9D	EPA 180.1	188361		
70155559009	MW-X (DUPE)	EPA 180.1	188361		
70155559001	MW-5S	SM22 2120B	188367		
70155559002	MW-5D	SM22 2120B	188367		
70155559003	MW-6S	SM22 2120B	188367		
70155559004	MW-6D	SM22 2120B	188367		
70155559005	MW-8S	SM22 2120B	188367		
70155559006	MW-8D	SM22 2120B	188367		
70155559007	MW-9S	SM22 2120B	188367		
70155559008	MW-9D	SM22 2120B	188367		
70155559009	MW-X (DUPE)	SM22 2120B	188367		
70155559001	MW-5S	SM22 2320B	189475		
70155559002	MW-5D	SM22 2320B	189475		
70155559003	MW-6S	SM22 2320B	189475		
70155559004	MW-6D	SM22 2320B	189475		
70155559005	MW-8S	SM22 2320B	189475		
70155559006	MW-8D	SM22 2320B	189475		
70155559007	MW-9S	SM22 2320B	189475		
70155559008	MW-9D	SM22 2320B	189475		
70155559009	MW-X (DUPE)	SM22 2320B	189475		
70155559001	MW-5S	SM22 2540C	188767		
70155559002	MW-5D	SM22 2540C	188767		
70155559003	MW-6S	SM22 2540C	188767		
70155559004	MW-6D	SM22 2540C	188767		
70155559005	MW-8S	SM22 2540C	188767		
70155559006	MW-8D	SM22 2540C	188767		
70155559007	MW-9S	SM22 2540C	188767		
70155559008	MW-9D	SM22 2540C	188767		
70155559009	MW-X (DUPE)	SM22 2540C	188767		
70155559001	MW-5S	EPA 410.4	190062	EPA 410.4	190085
70155559002	MW-5D	EPA 410.4	190062	EPA 410.4	190085
70155559003	MW-6S	EPA 410.4	190062	EPA 410.4	190085
70155559004	MW-6D	EPA 410.4	190062	EPA 410.4	190085
70155559005	MW-8S	EPA 410.4	190062	EPA 410.4	190085
70155559006	MW-8D	EPA 410.4	190062	EPA 410.4	190085
70155559007	MW-9S	EPA 410.4	190062	EPA 410.4	190085
70155559008	MW-9D	EPA 410.4	190062	EPA 410.4	190085

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70155559009	MW-X (DUPE)	EPA 410.4	190062	EPA 410.4	190085
70155559001	MW-5S	SM22 5210B	188359	SM22 5210B	189269
70155559002	MW-5D	SM22 5210B	188359	SM22 5210B	189269
70155559003	MW-6S	SM22 5210B	188359	SM22 5210B	189269
70155559004	MW-6D	SM22 5210B	188359	SM22 5210B	189269
70155559005	MW-8S	SM22 5210B	188359	SM22 5210B	189269
70155559006	MW-8D	SM22 5210B	188366	SM22 5210B	189271
70155559007	MW-9S	SM22 5210B	188366	SM22 5210B	189271
70155559008	MW-9D	SM22 5210B	188366	SM22 5210B	189271
70155559009	MW-X (DUPE)	SM22 5210B	188366	SM22 5210B	189271
70155559001	MW-5S	EPA 7196A	188369		
70155559002	MW-5D	EPA 7196A	188369		
70155559003	MW-6S	EPA 7196A	188369		
70155559004	MW-6D	EPA 7196A	188369		
70155559005	MW-8S	EPA 7196A	188369		
70155559006	MW-8D	EPA 7196A	188369		
70155559007	MW-9S	EPA 7196A	188369		
70155559008	MW-9D	EPA 7196A	188369		
70155559009	MW-X (DUPE)	EPA 7196A	188369		
70155559001	MW-5S	EPA 300.0	189722		
70155559002	MW-5D	EPA 300.0	189722		
70155559003	MW-6S	EPA 300.0	189722		
70155559004	MW-6D	EPA 300.0	189722		
70155559005	MW-8S	EPA 300.0	189722		
70155559006	MW-8D	EPA 300.0	189722		
70155559007	MW-9S	EPA 300.0	189722		
70155559008	MW-9D	EPA 300.0	189722		
70155559009	MW-X (DUPE)	EPA 300.0	189722		
70155559001	MW-5S	EPA 351.2	190060	EPA 351.2	190072
70155559002	MW-5D	EPA 351.2	190060	EPA 351.2	190072
70155559003	MW-6S	EPA 351.2	190060	EPA 351.2	190072
70155559004	MW-6D	EPA 351.2	190060	EPA 351.2	190072
70155559005	MW-8S	EPA 351.2	190060	EPA 351.2	190072
70155559006	MW-8D	EPA 351.2	190060	EPA 351.2	190072
70155559007	MW-9S	EPA 351.2	190060	EPA 351.2	190072
70155559008	MW-9D	EPA 351.2	190060	EPA 351.2	190072
70155559009	MW-X (DUPE)	EPA 351.2	190060	EPA 351.2	190072
70155559001	MW-5S	EPA 353.2	188354		
70155559002	MW-5D	EPA 353.2	188354		
70155559003	MW-6S	EPA 353.2	188354		
70155559004	MW-6D	EPA 353.2	188354		
70155559005	MW-8S	EPA 353.2	188354		
70155559006	MW-8D	EPA 353.2	188354		
70155559007	MW-9S	EPA 353.2	188354		
70155559008	MW-9D	EPA 353.2	188354		
70155559009	MW-X (DUPE)	EPA 353.2	188354		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF VAN BUREN LANDFILL12/3
Pace Project No.: 70155559

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70155559001	MW-5S	EPA 353.2	188351		
70155559002	MW-5D	EPA 353.2	188351		
70155559003	MW-6S	EPA 353.2	188351		
70155559004	MW-6D	EPA 353.2	188351		
70155559005	MW-8S	EPA 353.2	188351		
70155559006	MW-8D	EPA 353.2	188351		
70155559007	MW-9S	EPA 353.2	188351		
70155559008	MW-9D	EPA 353.2	188351		
70155559009	MW-X (DUPE)	EPA 353.2	188351		
70155559001	MW-5S	EPA 420.1	189759	EPA 420.1	189833
70155559002	MW-5D	EPA 420.1	189759	EPA 420.1	189833
70155559003	MW-6S	EPA 420.1	189759	EPA 420.1	189833
70155559004	MW-6D	EPA 420.1	190070	EPA 420.1	190132
70155559005	MW-8S	EPA 420.1	190070	EPA 420.1	190132
70155559006	MW-8D	EPA 420.1	190070	EPA 420.1	190132
70155559007	MW-9S	EPA 420.1	190070	EPA 420.1	190132
70155559008	MW-9D	EPA 420.1	190070	EPA 420.1	190132
70155559009	MW-X (DUPE)	EPA 420.1	190070	EPA 420.1	190132
70155559001	MW-5S	SM22 4500 NH3 H	190092		
70155559002	MW-5D	SM22 4500 NH3 H	190092		
70155559003	MW-6S	SM22 4500 NH3 H	190092		
70155559004	MW-6D	SM22 4500 NH3 H	190092		
70155559005	MW-8S	SM22 4500 NH3 H	190092		
70155559006	MW-8D	SM22 4500 NH3 H	190092		
70155559007	MW-9S	SM22 4500 NH3 H	190092		
70155559008	MW-9D	SM22 4500 NH3 H	190092		
70155559009	MW-X (DUPE)	SM22 4500 NH3 H	190092		
70155559001	MW-5S	EPA 9010C	189202	EPA 9014 Total Cyanide	189241
70155559002	MW-5D	EPA 9010C	189202	EPA 9014 Total Cyanide	189241
70155559003	MW-6S	EPA 9010C	189202	EPA 9014 Total Cyanide	189241
70155559004	MW-6D	EPA 9010C	189356	EPA 9014 Total Cyanide	189366
70155559005	MW-8S	EPA 9010C	189356	EPA 9014 Total Cyanide	189366
70155559006	MW-8D	EPA 9010C	189356	EPA 9014 Total Cyanide	189366
70155559007	MW-9S	EPA 9010C	189356	EPA 9014 Total Cyanide	189366
70155559008	MW-9D	EPA 9010C	189356	EPA 9014 Total Cyanide	189366
70155559009	MW-X (DUPE)	EPA 9010C	189356	EPA 9014 Total Cyanide	189366
70155559001	MW-5S	EPA 9060A	190334		
70155559002	MW-5D	EPA 9060A	190334		
70155559003	MW-6S	EPA 9060A	190334		
70155559004	MW-6D	EPA 9060A	190334		
70155559005	MW-8S	EPA 9060A	190334		
70155559006	MW-8D	EPA 9060A	190334		
70155559007	MW-9S	EPA 9060A	190334		
70155559008	MW-9D	EPA 9060A	190334		
70155559009	MW-X (DUPE)	EPA 9060A	190334		

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Enalytic Laboratories

6034 Corporate Drive E. Syracuse New York 13057
Phone: (315) 437 0255 Fax: (315) 437 1209

Chain of Custody Record

WO#: 70155559

70155559

Client:	Project #/ Project Name	
Enalytic, LLC	Town of Van Buren Landfill	
Client Contact:	**Phone #**	**Location (city/state) Address**
Anthony Scala (315) 437-0255	x211	Baldwinsville NY

Sample ID	Date	Time	Matrix	GRAB OR COMP	ULI Internal Use Only	No. of containers	1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	Baseline List Test Parameters
MW-5S	12-3-20	835	GW	Grab		8	X	X	X	X	X	X	X	X			
MW-5D		855	GW	Grab		8	X	X	X	X	X	X	X	X			
MW-6S		1300	GW	Grab		7	X	X	X	X	X	X	X				
MW-6D		1230	GW	Grab		7	X	X	X	X	X	X	X				
MW-8S		1208	GW	Grab		7	X	X	X	X	X	X	X				
MW-8D		1138	GW	Grab		8	X	X	X	X	X	X	X	X			
MW-9S		1020	GW	Grab		8	X	X	X	X	X	X	X	X			
MW-9D	↓	955	GW	Grab		7	X	X	X	X	X	X	X				
MW-X (DUPE)	12-3-20	1000	GW	Grab		7	X	X	X	X	X	X	X				

Parameter and Method	Sample bottle: Type	Size	Preservative
1 Field: pH,Temp,Eh,Cond,SWL,Turbidity	N/A	N/A	N/A
2 BOD5,TDS,Sulfate,Alkalinity,Chloride,	Plastic	1 Liter	None
3 Turbidity,Color,Nitrate,Hex-Chromium	Plastic	1 Liter	None
4 TKN,Ammonia,COD and Total Phenols	A-Glass	250 ML	H2SO4
5 TOC	2 Vials	40 ml	H2SO4
6 Total Cyanide	Plastic	250 ml	NaOH
7 Total Baseline List Metals (Including Boron)	Plastic	250 ml	HNO3
8 Dissolved Baseline List Metals	Plastic	500 ml	None
9			

Basline Metals: Al,Sb,As,Be,Ba,B,Cd,Ca,Cr, Cu,Fe,Pb,Mg,Mn,Hg,Ni,K,Se,Ag,Na,Tl,Zn and Hardness.

Sampled by (Print) Brian Nichols	Name of Courier PACE
Company: Zion Environmental	

Relinquished by:(sign)	Date	Time	Received by: (sign)
Brian	12/3/20	1330	
Relinquished by:(sign)	Date	Time	Received by: (sign)
	12-3	1700	12/4/20 10:25
Relinquished by:(sign)	Date	Time	Rec'd for Lab by:

Enalytic Laboratories

6034 Corporate Drive E. Syracuse New York 13057
Phone: (315) 437 0255 Fax: (315) 437 1209

Chain of Custody Record

WO# : 70155559

PM: JSA **Due Date: 12/18/20**
CLIENT: ENALYTIC

Client:	Project #/ Project Name	
Enalytic, LLC	Town of Van Buren Landfill	
Client Contact:	**Phone #**	**Location (city/state) Address**
Anthony Scala (315) 437-0255	x211	Baldwinsville NY

Sample ID	Date	Time	Matrix	GRAB OR COMP	ULI Internal Use Only	No. of containers	1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	1988 Part 360 Baseline List Test Parameters
MW-5S	12-3-20	835	GW	Grab		2	X										
MW-5D		855	GW	Grab		2	X										
MW-6S		1300	GW	Grab		2	X										
MW-6D		1230	GW	Grab		2	X										
MW-8S		1208	GW	Grab		2	X										
MW-8D		1138	GW	Grab		2	X										
MW-9S		1020	GW	Grab		2	X										
MW-9D		955	GW	Grab		2	X										
MW-X (DUPE)	12-3-20	1000	GW	Grab		2	X										
TRIP BLANK	12-3-20	LAB	Water	Grab		1	X										

Parameter and Method	Sample bottle:	Type	Size	Preservative
1 1988 Part 360 VOCs EPA 601/602 (by 624)		Vials	40 ml	1:1 HCl
2				
3				
4				
5				
6				
7				
8				
9				

Sampled by (Print) Brian Nichols
Company: Zion Environmental

Name of Courier: PACE

Relinquished by:(sign)	Date	Time	Received by: (sign)
Brian	12/3/20	1330	
Relinquished by:(sign)	Date	Time	Received by: (sign)
	12-3	1700	
Relinquished by:(sign)	Date	Time	Rec'd for Lab by:

12/4/20 10:03

Sample Condition Upon Receipt

Pace Analytical®

Client Name: Proje

WO#: 70155559

PM: JSA **Due Date: 12/18/20**

CLIENT: ENALYTIC

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #: 7722 5684 6000

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No Seals intact: ☒ Yes ☐ No

Temperature Blank Present: ☐ Yes ☑ No

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Type of Ice: ☑ Wet Blue None

Thermometer Used: TH091 Correction Factor: -0.2

☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 3.4 Cooler Temperature Corrected(°C): 3.2

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample) Date and Initials of person examining contents: KD 12/14/20

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples orignate from a foreign source (including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑ Yes	☐ No		1.
Chain of Custody Filled Out:	☑ Yes	☐ No		2.
Chain of Custody Relinquished:	☑ Yes	☐ No		3.
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☑ Yes	☐ No		6.
Rush Turn Around Time Requested:	☐ Yes	☑ No		7.
Sufficient Volume: (Triple volume provided for	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☑ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☑ Yes	☐ No	☐ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑ Yes	☐ No		12.
-Includes date/time/ID, Matrix: SL WT OIL				
All containers needing preservation have been checked?	☑ Yes	☐ No	☐ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC 998372				
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☑ Yes	☐ No	☐ N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☑ Yes	☐ No	☐ N/A	14.
KI starch test strips Lot # 19-960				
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide?	☑ Yes	☐ No	☐ N/A	15.
Lead Acetate Strips Lot # 560125				
Headspace in VOA Vials (>6mm):	☐ Yes	☑ No	☐ N/A	16.
Trip Blank Present:	☑ Yes	☐ No	☐ N/A	17.
Trip Blank Custody Seals Present	☑ Yes	☐ No	☐ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

Appendix E

Landfill Gas Sampling

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Analytical Testing Laboratory

Town of Van Buren Landfill (CLOSED)
Gas Point Survey Log

Logged By:	Brian Nichols
Temperature (°F) /Weather:	Cloudy, Cold, Snow, 28 deg.(F)
Instrument Model:	Gas Detector Model: FD-90E

Date	Gas Monitoring Point Location	Gas Reading (PPM)	Comments
12/2/2020	GP-1	ND	
12/2/2020	GP-2	ND	
12/2/2020	GP-3	ND	
12/2/2020	GP-4	ND	
12/2/2020	GP-5	ND	
12/2/2020	GP-6	ND	
12/2/2020	GP-7	ND	
12/2/2020	GP-8	ND	
12/2/2020	GP-9	ND	
12/2/2020	GP-10	ND	
12/2/2020	GP-11	ND	
12/2/2020	GP-12	ND	
12/2/2020	GP-13	ND	
12/2/2020	GP-14	ND	
12/2/2020	GP-15	ND	
12/2/2020	GP-16	ND	
12/2/2020	GP-17	ND	
12/2/2020	GP-18	ND	
12/2/2020	GP-19	ND	
12/2/2020	GP-20	ND	
12/2/2020	GP-21	ND	
12/2/2020	GP-22	ND	
12/2/2020	GP-23	ND	
12/2/2020	GP-24	ND	
12/2/2020	GP-25	ND	
12/2/2020	GP-26	ND	
12/2/2020	GP-27	ND	
12/2/2020	GP-28	ND	
12/2/2020	GP-29	ND	
12/2/2020	GP-30	ND	
12/2/2020	GP-31	ND	
12/2/2020	GP-32	ND	
12/2/2020	GP-33	ND	
12/2/2020	GP-34	ND	
12/2/2020	GP-35	ND	
12/2/2020	GP-36	ND	
12/2/2020	GP-37	ND	
12/2/2020	GP-38	ND	
12/2/2020	GP-39	ND	
12/2/2020	GP-40	ND	

Notes: ND = Not Detected

enalytic
Analytical Testing Laboratory

Town of Van Buren Landfill (CLOSED)
Gas Vent Survey Log

Logged By:	**Brian Nichols**
Temperature (°F)/Weather:	**Partly Sunny, 38 deg.(F)**
Instrument Model: Gas Detector Model: FD-90E	

Date	Gas Monitoring Vent Location	Gas Reading (PPM)	Comments
12/3/2020	GV-1	795	
12/3/2020	GV-2	2,497	
12/3/2020	GV-3	946	
12/3/2020	GV-4	1,927	
12/3/2020	GV-5	7,382	
12/3/2020	GV-6	772	
12/3/2020	GV-7	1,014	
12/3/2020	GV-8	3,742	
12/3/2020	GV-9	2,046	
12/3/2020	GV-10	698	
12/3/2020	GV-11	752	
12/3/2020	GV-12	902	
12/3/2020	GV-13	4,525	
12/3/2020	GV-14	8,746	
12/3/2020	GV-15	6,971	
12/3/2020	GV-16	9,462	
12/3/2020	GV-17	993	
12/3/2020	GV-18	5,744	
12/3/2020	GV-19	581	
12/3/2020	GV-20	662	
12/3/2020	GV-21	0	
12/3/2020	GV-22	0	
12/3/2020	GV-23	0	
12/3/2020	GV-24	> 10,000	
12/3/2020	GV-25	0	
12/3/2020	GV-26	0	
12/3/2020	GV-27	339	
12/3/2020	GV-28	0	
12/3/2020	GV-29	2,003	
12/3/2020	GV-30	0	

Notes:	ND = Not Detected