Town of Van Buren

Kingdom Road Landfill (Closed)

Environmental Monitoring Report

2023 Second Quarter

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

Sample Collection Information

Sampling Firm: Enalytic, LLC

Sampling Date(s): July 10, 2023

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: AG Environmental RSC LLC.

86 Queen Mountain Road
Ferndale, New York 12734
NYSDOH I.D. # 12081

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
2023	-	-*	-	B
2023	-	R	-	-*
2024	-	-*	-	R
2025	-	B	-	-*
2026	-	-*	-	R
2027	-	R	-	-*

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 second quarter 2023 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 second quarter 2023, and AG Environmental RSC, LLC 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.

Groundwater (Overburden)

The 2023 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 second quarter 2023 sampling event. As discussed below, the overburden groundwater quality results for the second quarter 2023 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 second quarter 2023 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 2023 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 2023 second 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, manganese and sodium.

The bedrock groundwater quality concentrations reported for the 2023 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 second quarter of 2023 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 FD-90E. 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 second quarter monitoring event, the water quality at all three residential locations was generally comparable to historical data. 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 second 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

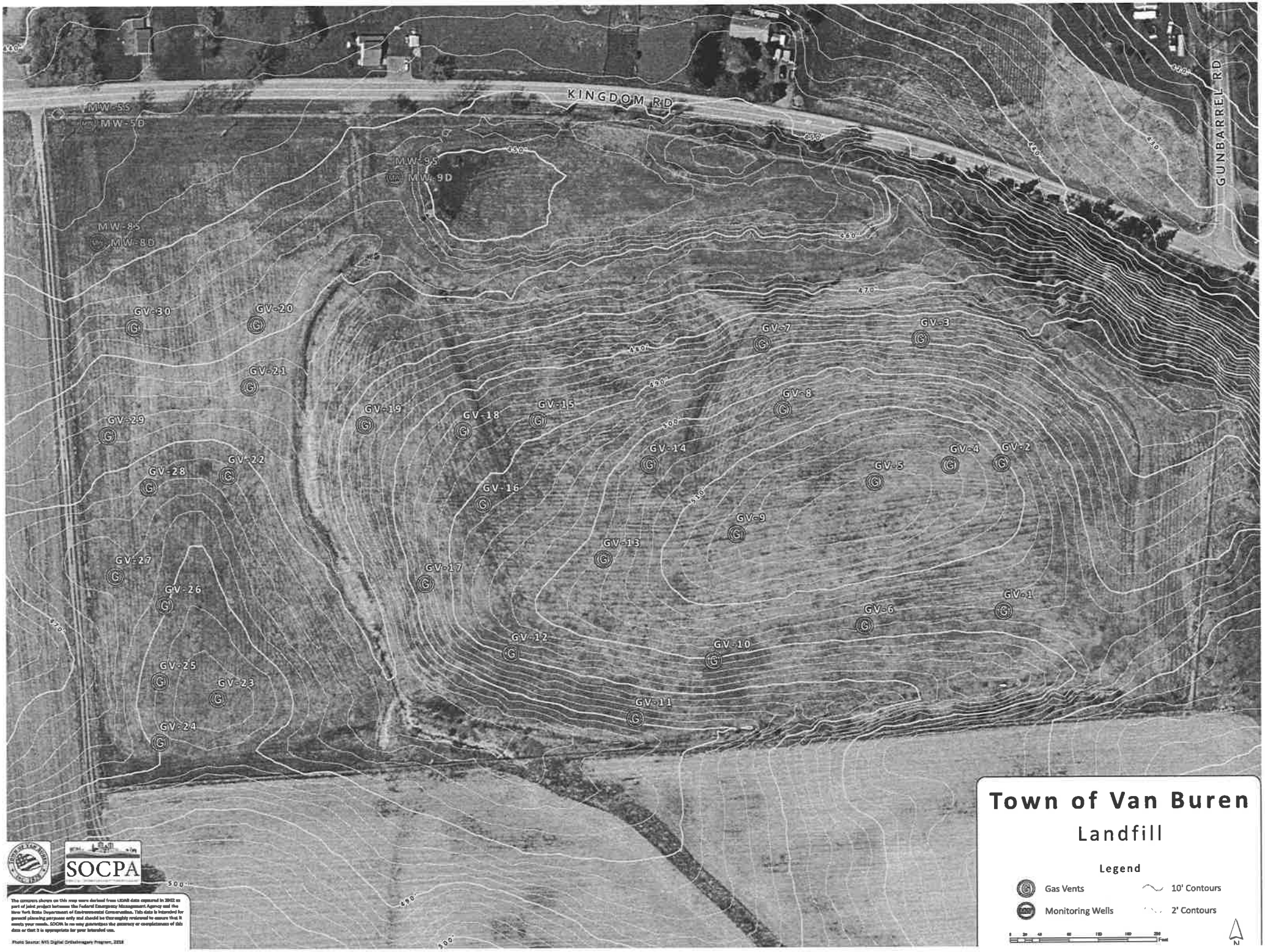
The number of RPD discrepancies has improved compared to previous comparisons since the laboratory reviewed field collection procedures. The RPD exceeded the 20% threshold for Nitrate, TOC, and Sulfate.

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
		Second Quarter	Second Quarter	Second Quarter	Second Quarter	Second Quarter	Second Quarter	Second Quarter	Second Quarter
Ammonia- Nitrogen	2.0 mg/L	2.2	---	---	---	---	---	---	3.7
Sulfate	250 mg/L	---	---	---	---	807	---	928	1430
Total Dissolved Solids	500 mg/L	532	---	577	---	1730	---	1305	2380
Turbidity	5 NTU	2000	29	27	450	320	---	12	12
Iron- T	0.3 mg/L	---	---	0.49	6.7	0.4	---	1.6	5.7
-D		---	---	---	---	---	---	---	---
Magnesium - T	[35] mg/L	---	56	36	60	---	---	---	---
-D		---	---	---	---	---	---	---	---
Manganese - T	0.3 mg/L	1.3	---	4.5	---	---	---	---	---
-D		---	---	---	---	---	---	---	---
Sodium - T	20 mg/L	---	---	---	36	57	---	41	110
-D		---	---	---	---	---	---	--	---

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-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-27
GV-26
GV-1
GV-6
GV-12
GV-10
GV-25
GV-23
GV-11
GV-24
SOCPA
Town of Van Buren
Landfill
Legend
Gas Vents
Monitoring Wells
10' Contours
2' Contours
Feet
NJ
The contours shown on this map were derived from LIDAR data captured in 2002 as part of joint project between the Federal Emergency Management Agency and the New York State Department of Environmental Conservation. This data is intended for general planning purposes only and should be thoroughly reviewed to ensure that it meets your needs. SOCPA in no way guarantees the accuracy or completeness of this data or that it is appropriate for your intended use.
Photo Source: NYS Digital Orthoimagery Program, 2018

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**

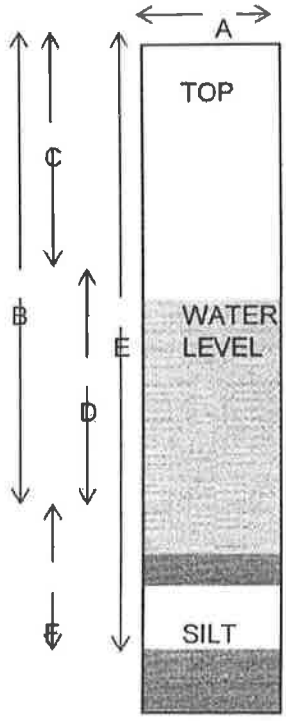
Well ID.: **MW-5S**

LAB ID 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	40.00	feet
C.	Depth to Water (TOC)	31.86	feet
D.	Length of Water Column (calc.)	8.14	feet
	Conversion Factor	X .16	------
	Well Volume (calculated)	1.3	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	3.91	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 Sampling
Date	7/10/2023
Time	1115
ORP	-22.9
Temperature	12.5
pH	7.42
Specific Cond.	881
Turbidity (NTU)	Over 2,000 NTUs
Dissolved Oxygen	0.24
Appearance	Brown tint, cloudy, no odors

Initial Depth to Water

31.86 Feet

Sampler: Brian Nichols
Moriah Nichols

Signature: Brian Nichols
Moriah Nichols

Weather: Light rain, 70 deg

Observations:

Over 50 NYU. Added bottle for dissolved metals. Y [X] N [ ]

Enalytic LLC

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

Client: **Town Of Van Buren**

Project: **VanBuren Landfill**

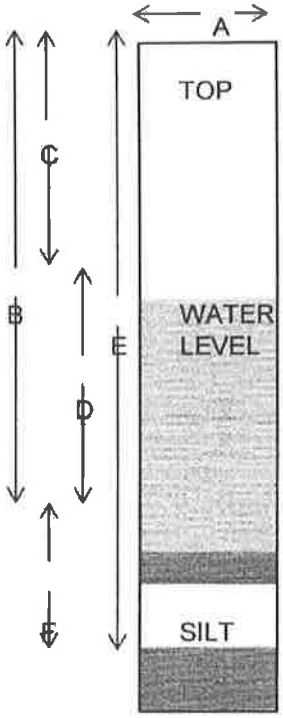
Well ID.: **MW-5D**

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)	32.66	feet
D.	Length of Water Column (calculate	42.84	feet
	Conversion Factor	X .16	------
	Well Volume (calculated)	6.85	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	20.56	gallons
	Actual Volume Evacuated	14	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Sampling
Date	7/10/2023
Time	1110
ORP	-29.5
Temperature	13
pH	7.52
Specific Cond.	2.02
Turbidity (NTU)	65
Dissolved Oxygen	0.26
Appearance	Black tint, strong odors

Initial Depth to Water

32.66 Feet

Sampler: Brian Nichols
Moriah Nichols

Signature: Brian Nichols
Moriah Nichols

Weather: Rain, 70 deg

Observations: Performed MS/MSD

Over 50 NYU. Added bottle for dissolved metals. Y [X] N [ ]

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

Client: **Town Of Van Buren**

Project: **VanBuren Landfill**

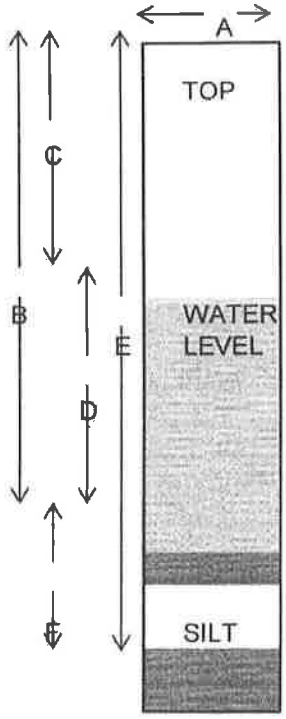
Well ID.: **MW-6S**

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)	9.84	feet
D.	Length of Water Column (calculate	9.77	feet
	Conversion Factor	X .16	------
	Well Volume (calculated)	1.56	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	4.69	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 Sampling
Date	7/10/2023
Time	315
ORP	-69.1
Temperature	15.6
pH	8.2
Specific Cond.	679
Turbidity (NTU)	29
Dissolved Oxygen	0.32
Appearance	Slight brown tint, no odor

Initial Depth to Water: **9.84** Feet

Sampler: Brian Nichols, Moriah Nichols

Signature: Brian Nichols, Moriah Nichols

Weather: Rain 69 deg

Observations:

Over 50 NYU. Added bottle for dissolved metals. Y ☐ N ☒

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

Client: Town Of Van Buren

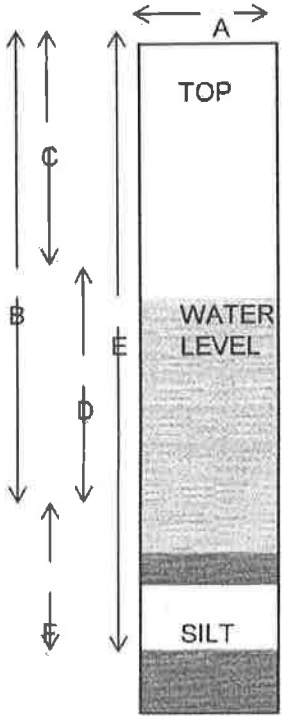
Project: VanBuren Landfill | LAB ID No. (enter by lab)

Well ID.: MW-6D

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)		feet
D.	Length of Water Column (calculate		feet
	Conversion Factor	X .16	------
	Well Volume (calculated)		gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated		gallons
	Actual Volume Evacuated		gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Sampling
Date	
Time	
ORP	
Temperature	
pH	BLOCKAGE IN WELL
Specific Cond.	
Turbidity (NTU)	
Dissolved Oxygen	
Appearance	

Initial Depth to Water

0 Feet

Sampler: Brian Nichols
Moriah Nichols

Signature: Brian Nichols
Moriah Nichols

Weather:

Observations: NO SAMPLE. UNABLE TO PULL OUT ROPE.

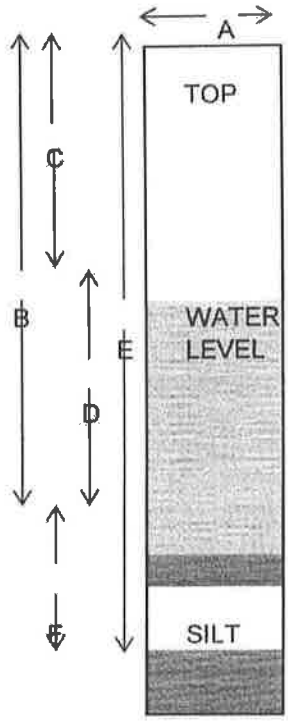
Over 50 NYU. Added bottle for dissolved metals. Y ☐ N ☐

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)	34.25	feet
D.	Length of Water Column (calculate	5.35	feet
	Conversion Factor	X .16	------
	Well Volume (calculated)	0.856	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	2.57	gallons
	Actual Volume Evacuated	2	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Sampling
Date	7/10/2023
Time	1200
ORP	-22.6
Temperature	11.1
pH	7.46
Specific Cond.	997
Turbidity (NTU)	27
Dissolved Oxygen	0.24
Appearance	Clear, green tint, no odors

Initial Depth to Water
34.25 Feet

Sampler: Brian Nichols
Moriah Nichols

Signature: Brian Nichols
Moriah Nichols

Weather: Rain, 70 deg
Observations:

Over 50 NYU. Added bottle for dissolved metals. Y ☐ N ☒

Enalytic LLC

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

Client: **Town Of Van Buren**

Project: **VanBuren Landfill**

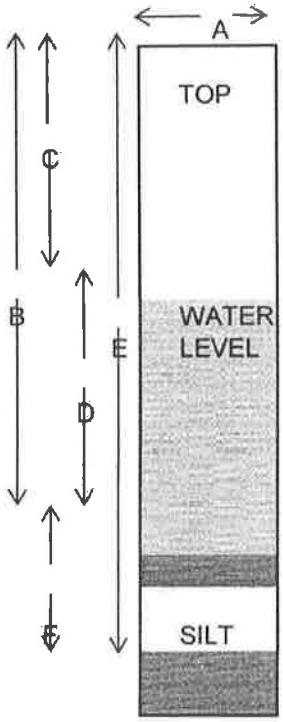
Well ID.: **MW-8D**

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)	39.29	feet
D.	Length of Water Column (calculate	55.11	feet
	Conversion Factor	X .16	------
	Well Volume (calculated)	8.82	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	26.45	gallons
	Actual Volume Evacuated	15	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Sampling
Date	7/10/2023
Time	1150
ORP	-55.4
Temperature	12.5
pH	7.85
Specific Cond.	1656
Turbidity (NTU)	12
Dissolved Oxygen	0.27
Appearance	Clear, no odors

Initial Depth to Water

39.29 Feet

Sampler: Brian Nichols
Moriah Nichols

Signature: Brian Nichols
Moriah Nichols

Weather: Rain, Overcast, 70 deg

Observations:

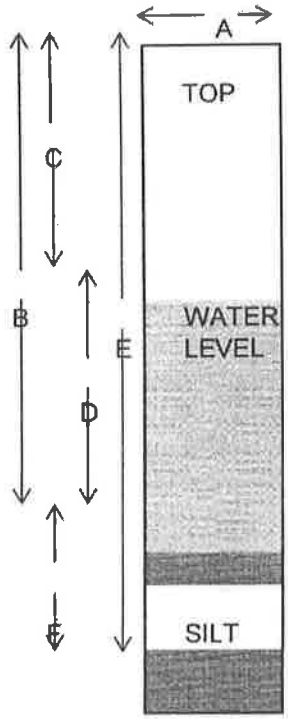
Over 50 NYU. Added bottle for dissolved metals. Y ☐ N ☒

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)	29.76	feet
D.	Length of Water Column (calc.)	10.64	feet
	Conversion Factor	X .16	——
	Well Volume (calculated)	1.7	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	5.11	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 Sampling
Date	7/10/2023
Time	1015
ORP	-68
Temperature	14.8
pH	8.19
Specific Cond.	786
Turbidity (NTU)	Over 2,000 NTUs
Dissolved Oxygen	0.24
Appearance	Brown tint, Cloudy

Initial Depth to Water
29.76 Feet

Sampler: Brian Nichols
Moriah Nichols

Signature: Brian Nichols
Moriah Nichols

Weather: Cloudy, light rain, 69 deg
Observations:

Over 50 NYU. Added bottle for dissolved metals. Y [X] N [ ]

Enalytic LLC

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

Client: **Town Of Van Buren**

Project: **VanBuren Landfill**

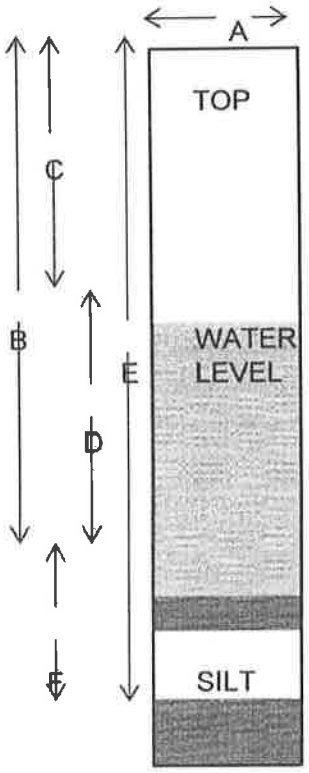
Well ID.: **MW-9D**

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)	38.47	feet
D.	Length of Water Column (calculate	57.73	feet
	Conversion Factor	X .16	------
	Well Volume (calculated)	9.24	gallons
	No. of Volumes to be Evacuated	X 3	------
	Total Volume to be Evacuated	27.71	gallons
	Actual Volume Evacuated	15	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Sampling
Date	7/10/2023
Time	910
ORP	-31.4
Temperature	13.6
pH	7.51
Specific Cond.	2,400
Turbidity (NTU)	12
Dissolved Oxygen	0.23
Appearance	Clear, no odors

Initial Depth to Water

38.47 Feet

Sampler: Brian Nichols
Moriah Nichols

Signature: Brian Nichols
Moriah Nichols

Weather: Cloudy 69 deg

Observations: Performed MW-X (DUPE) on MW-9D @ 910

Over 50 NYU. Added bottle for dissolved metals. Y ☐ N ☒

Enalytic, LLC

FILE:TS-40-01 REVISED: 01/01

Tap Water / Surface Water / Wastewater Field Log

Client: Town of Van Buren

Sampler (print): Brian Nichols, Moriah Nichols

Project: Landfill Residents

Signature: Brian Nichols

Date: July 10, 2023

Location	**RW--A (Miller)**		TIME SAMPLED 530pm	Lab ID
EH	-66.1	mv	**WEATHER CONDITION:** Overcast, Rain 67 deg.	
TEMPERATURE	8.5	c		
PH	7.98	STD.UNITS	**APPEARANCE / OBSERVATIONS:** Clear, no odors	
SPEC. COND.	2,520	UMHOS/CM	Sample collected from the Kitchen Sink RO Tap.	
TURBIDITY	18	NTU		
DIS.OXYGEN	0.21	MG/L		

Location	**RW--A (Miller) Influent**		TIME SAMPLED 600pm	Lab ID
EH	-25.3	mv	**WEATHER CONDITION:** Overcast, Rain 67 deg.	
TEMPERATURE	8.8	c		
PH	7.85	STD.UNITS	**APPEARANCE / OBSERVATIONS:** Clear, no odors	
SPEC. COND.	1976	UMHOS/CM	Sample collected from direct inlet in basement.	
TURBIDITY	20	NTU		
DIS.OXYGEN	0.41	MG/L		

Location	**RW-B (Nolan)**		TIME SAMPLED 345pm	Lab ID
EH	-51.2		**WEATHER CONDITION:** Overcast, Rain 67 deg.	
TEMPERATURE	21.0	c		
PH	7.91	STD.UNITS	**APPEARANCE / OBSERVATIONS:** Clear, no odors	
SPEC. COND.	115	UMHOS/CM	Sample collected from the Kitchen Sink RO Tap.	
TURBIDITY	0	NTU		
DIS.OXYGEN	0.3	MG/L		

Location	**RW-C (Davis)**		TIME SAMPLED 930pm	Lab ID
EH	-50.3		**WEATHER CONDITION:** Overcast, Rain 67 deg.	
TEMPERATURE	9.6	c		
PH	7.9	STD.UNITS	**APPEARANCE / OBSERVATIONS:** Clear, no odors	
SPEC. COND.	2,580	UMHOS/CM	Sample collected from the Kitchen Sink RO Tap.	
TURBIDITY	3.8	NTU		
DIS.OXYGEN	0.26	MG/L		

Appendix C

Historical Spreadsheets

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
23-Jun-21	54	-120	8.2	824	–	**850**	601	360	**466**	13
20-Dec-22	51	-21	7.3	843	8	**> 2000**	560	973	**553**	13
10-Jul-23	55	-23	7.4	881	–	**> 2000**	550	477	**532**	14

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
23-Jun-21	12	–	< 0.25	0.9	–	–	< 10	2.2	**0.0055**	–
20-Dec-22	15	0.07	1.2	0.5	4.3	–	480	1.8	–	–
10-Jul-23	17	–	1.2	0.75	–	–	346	2.4	< 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]	0.01	–	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**
23-Jun-21	–	–	–	–	–	< 0.0025	132	–	–	–	**0.96**
20-Dec-22	36.5	–	–	0.7	–	–	363	**0.06**	–	0.08	**67**
10-Jul-23	–	–	–	–	–	< 0.0033	139	–	–	–	0.28

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
23-Jun-21	< 0.005	29	**0.7**	–	–	5.1	8	–	–	–	–
20-Dec-22	0.028	**102**	**4.1**	–	–	21.9	10	–	–	–	.12
10-Jul-23	–	31	**1.3**	–	–	5.5	11	–	–	–	–

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
23-Jun-21	–	–	–	–	–	–	–	–	–	–	–
20-Dec-22	37	–	–	0.67	–	–	360	0.066	–	0.08	76
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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
23-Jun-21	–	–	–	–	–	–	–	–	–	–	–
20-Dec-22	0.03	106	4.2	–	0.08	21.5	10.6	–	–	–	0.14
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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
23-Jun-21	56	-126	8.4	2122	–	**20**	144	1120	**1720**	89
20-Dec-22	49	-27	7.4	1865	**500**	**71**	150	926	**2030**	96
10-Jul-23	55	-23	7.4	881	–	**320**	483	1120	**1730**	83

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
23-Jun-21	**1440**	–	< 0.25	**4.1**	–	–	< 10	1.6	< 0.005	–
20-Dec-22	**1170**	–	0.12	**3.4**	5.2	–	40	3.8	–	–
10-Jul-23	**807**	–	0.66	1.0	–	–	269	24.3	< 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]	0.01	–	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**
23-Jun-21	–	–	–	–	–	< 0.0025	402	–	–	–	**3**
20-Dec-22	0.2	–	–	–	–	–	504	–	–	–	**8.0**
10-Jul-23	–	–	–	–	–	0.0033	416	–	–	–	**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-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
23-Jun-21	< 0.005	18	0.07	–	–	53	**60**	–	–	–	–
20-Dec-22	–	20	0.09	–	–	59	**71**	–	–	–	**0.031**
10-Jul-23	0.0056	19	0.1	–	–	52	**57**	–	–	–	–

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
23-Jun-21	–	–	–	–	–	–	–	–	–	–	–
20-Dec-22	0.14	–	–	–	–	–	478	–	–	–	**8**
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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
23-Jun-21	–	–	–	–	–	–	–	–	–	–	–
20-Dec-22	–	20.6	0.088	–	–	55.5	67	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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
23-Jun-21	58	-141	9.0	687	–	**100**	370	440	**504**	11
20-Dec-22	44	-55	8.4	660	**250**	**21**	330	364	372	12
10-Jul-23	60	-69	8.2	679	–	**29**	325	383	402	11

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
23-Jun-21	51	–	4.8	< 0.1	–	–	–	< 1	< 0.005	–
20-Dec-22	42	0.03	5.8	–	1.5	–	12	–	–	–
10-Jul-23	48	–	–	0.24	–	–	–	1.1	< 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]	0.01	–	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**
23-Jun-21	–	–	–	–	–	< 0.0025	74	–	–	–	**0.9**
20-Dec-22	0.9	–	–	0.1	–	–	64	–	–	–	**1.2**
10-Jul-23	–	–	–	–	–	< 0.0033	66	–	–	–	0.28

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
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
23-Jun-21	< 0.005	**55**	0.16	–	–	< 5	7.6	–	–	–	–
20-Dec-22	–	**62**	0.11	–	–	2	4.2	–	–	–	–
10-Jul-23	–	**53**	0.1	–	–	1.4	3.2	–	–	–	–

VAN BUREN LANDFILL (CLOSED)
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	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	–	–	–	–	–	–	–	–	–	–	–
23-Jun-21	< 0.2	< 0.06	< 0.01	< 0.2	<0.005	< 0.0025	474	< 0.01	–	< 0.025	< 0.02
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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
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	–	–	–	–	–	–	–	–	–	–	–
23-Jun-21	< 0.005	55	< 0.01	< 0.2	< 0.04	< 5.0	8.8	< 0.01	< 0.01	< 0.01	< 0.02
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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
23-Jun-21	56	-158	9.0	711	–	**26**	277	220	**522**	4.1
20-Dec-22	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–

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
23-Jun-21	179	–	< 0.25	< 0.1	–	–	< 10	< 1	< 0.005	–
20-Dec-22	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–

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**
23-Jun-21	–	–	–	–	–	< 0.0025	66	–	–	–	**0.6**
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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
23-Jun-21	< 0.005	**44**	0.08	–	–	< 5.0	< 5.0	–	–	–	–
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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	–	–	–	–	–	–	–	–	–	–	–
23-Jun-21	–	–	–	–	–	–	–	–	–	–	–
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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	–	–	–	–	–	–	–	–	–	–	–
23-Jun-21	–	–	–	–	–	–	–	–	–	–	–
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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
23-Jun-21	58	-105	8.0	719	–	**20**	453	320	382	3
20-Dec-22	47	-11	7.2	842	–	4.9	560	471	**501**	6.5
10-Jul-23	52	-23	7.5	997	–	**27**	545	535	**577**	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-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
23-Jun-21	11	–	< 0.25	< 0.1	–	–	–	1.9	< 0.005	–
20-Dec-22	6	0.07	–	0.19	.72	–	32	1.7	–	–
10-Jul-23	14	–	3.5	0.19	–	–	24	2.3	< 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]	0.01	–	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
23-Jun-21	–	–	–	–	–	< 0.0025	108	–	–	–	< 0.02
20-Dec-22	<0.2	–	–	0.61	–	–	162	–	–	–	**0.374**
10-Jul-23	–	–	–	–	–	< 0.0033	155	–	–	–	**0.49**

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
23-Jun-21	< 0.005	24	**1.2**	–	–	< 5	< 5	–	–	–	–
20-Dec-22	–	**37**	**8.1**	–	–	5.8	8	–	–	–	–
10-Jul-23	0.0056	**36**	**4.5**	–	–	5.6	11	–	–	–	–

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	–	–	–	–	–	–	–	–	–	–	–
23-Jun-21	–	–	–	–	–	–	–	–	–	–	–
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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	–	–	–	–	–	–	–	–	–	–	–
23-Jun-21	–	–	–	–	–	–	–	–	–	–	–
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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
23-Jun-21	65	-113	8.3	1744	–	**35**	154	820	**1350**	67
20-Dec-22	55	-26	7.5	1533	250	**28**	170	938	**1350**	43
10-Jul-23	55	-55	7.9	1656	–	**12**	150	892	**1305**	57

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
23-Jun-21	**3280**	–	< 0.25	**3.4**	–	–	< 10	< 1.0	< 0.005	–
20-Dec-22	**623**	**3.9**	0.5	**2.1**	**2.7**	–	24	1.02	–	–
10-Jul-23	**928**	–	1.1	0.5	–	–	24	< 1.0	–	–

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**
23-Jun-21	–	–	–	–	–	< 0.0025	319	–	–	–	**1.9**
20-Dec-22	0.63	–	–	0.03	–	–	339	–	–	–	**6.4**
10-Jul-23	–	–	–	–	–	< 0.0033	301	–	–	–	**1.6**

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-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
23-Jun-21	< 0.005	15	0.11	–	–	47	**46**	–	–	–	–
20-Dec-22	–	19	0.61	–	–	43	**44**	–	–	–	0.03
10-Jul-23	0.0056	14.3	0.16	–	–	41	**41**	–	–	–	–

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
23-Jun-21	–	–	–	–	–	–	–	–	–	–	–
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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
23-Jun-21	–	–	–	–	–	–	–	–	–	–	–
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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
3-Jun-21	56	-142	8.9	795	–	**340**	424	480	350	78
20-Dec-22	42	-60	8.1	795	1000	**63**	300	303	450	90
10-Jul-23	59	-68	8.2	786	–	**450**	174	566	434	77

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
3-Jun-21	52	–	< 0.25	< 0.1	–	–	16	1.6	< 0.005	–
20-Dec-22	17	–	0.15	0.1	2.1	–	47	1.2	–	–
10-Jul-23	49	–	0.43	0.26	–	–	95	1.3	< 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]	0.01	–	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**
3-Jun-21	–	–	–	–	–	< 0.0025	99	–	–	–	**4.7**
20-Dec-22	5.9	–	–	0.11	–	–	78	0.01	–	–	**6.5**
10-Jul-23	–	–	–	–	–	< 0.0033	129	–	–	–	**6.7**

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**
3-Jun-21	< 0.2	< 0.06	< 0.01	< 0.2	< 0.005	< 0.0025	43	< 0.01	–	< 0.025	< 0.02
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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
3-Jun-21	< 0.005	**49**	< 0.01	–	< 0.04	< 5.0	**35**	< 0.01	< 0.01	< 0.01	< 0.02
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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
23-Jun-21	57	-136	8.5	2370	–	**13**	154	1540	**2340**	801
20-Dec-22	45	-54	8	2170	**500**	**10**	140	1140	**2150**	145
10-Jul-23	56	-31	7.5	2400	–	**12**	149	1460	**2380**	177

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
23-Jun-21	< 5.0	–	< 0.025	**5.0**	–	–	16	< 1.0	0.0052	–
20-Dec-22	**1140**	**3.4**	0.08	**3.7**	**5.3**	–	56	1.2	–	–
10-Jul-23	**1430**	–	1.12	**3.7**	–	–	32	2.0	< 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]	0.01	–	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**
23-Jun-21	–	–	–	–	–	< 0.0025	464	–	–	–	**2.2**
20-Dec-22	0.21	–	–	–	–	–	551	–	–	–	**9.8**
10-Jul-23	–	–	–	–	–	< 0.0033	540	–	–	–	**5.7**

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
23-Jun-21	< 0.005	19	0.08	–	–	62	**98**	–	–	–	–
20-Dec-22	–	22	0.14	–	–	61	**106**	–	–	–	–
10-Jul-23	< 0.00556	22	0.11	–	–	63	**110**	–	–	–	–

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	–	–	–	–	–	–	–	–	–	–	–
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	–	–	–	–	–	–	–	–	–	–	–
23-Jun-21	–	–	–	–	–	–	–	–	–	–	–
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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	–	–	–	–	–	–	–	–	–	–	–
23-Jun-21	–	–	–	–	–	–	–	–	–	–	–
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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
23-Jun-21	66	-88	7.62	145	–	< 1	13	< 5	112	4.6
18-Nov-21	60	44	6.7	125	–	< 1	11	12	67	4
1-Jun-22	59	42	7.0	121	–	1.2	63	< 5	128	27
20-Dec-22	49	-69	8.2	2460	–	< 1	200	34	**1850**	57
10-Jul-23	47	-66	8.0	2520	–	18	111	3	188	34

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
22-Jun-21	32	–	< 0.25	< 0.1	–	–	< 10	< 1	< 0.005	–
18-Nov-21	30	–	0.12	< 0.1	–	–	16	< 1	< 0.005	–
1-Jun-22	23	–	0.31	0.12	–	–	< 10	< 1	< 0.005	–
20-Dec-22	1190	**3.6**	0.64	1.05	1.7	–	44	< 1	< 0.005	–
10-Jul-23	27	–	0.44	0.25	–	–	13	< 1	< 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
23-Jun-21	–	–	–	–	–	< 0.0025	0.25	–	–	–	< 0.02
18-Nov-21	–	–	–	–	–	< 0.0025	0.25	–	–	–	< 0.1
1-Jun-22	–	–	–	–	–	< 0.0025	0.5	–	–	–	< 0.1
20-Dec-22	0.11	–	–	–	–	–	12.5	–	–	–	–
10-Jul-23	–	–	–	–	–	< 0.0033	1.1	–	–	–	0.28

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
23-Jun-21	< 0.005	< 0.2	< 0.01	–	–	< 5	**21**	–	–	–	–
18-Nov-21	< 0.005	< 0.2	< 0.01	–	–	< 5	23	–	–	–	–
1-Jun-22	< 0.005	< 0.2	< 0.01	–	–	< 5	**52**	–	–	–	–
20-Dec-22	< 0.005	0.46	< 0.01	–	–	17	638	–	–	–	0.05
10-Jul-23	< 0.006	< 0.056	< 0.006	–	–	2	**68**	–	–	–	–

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
23-Jun-21	–	–	–	–	–	–	–	–	–	–	–
18-Nov-21	–	–	–	–	–	–	–	–	–	–	–
1-Jun-22	–	–	–	–	–	–	–	–	–	–	–
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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
23-Jun-21	–	–	–	–	–	–	–	–	–	–	–
18-Nov-21	–	–	–	–	–	–	–	–	–	–	–
1-Jun-22	–	–	–	–	–	–	–	–	–	–	–
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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	6.0	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
22-Jun-21	77	-72	7.4	65	–	< 1.0	6.4	< 5	82	4.0
18-Nov-21	67	44	6.3	162	–	< 1.0	13.3	6	67	8.1
1-Jun-22	60	-34	6.9	156	–	< 1.0	6	< 5	29	4.3
20-Dec-22	50	-30	7.6	2600	–	< 1.0	140	22	2260	92
10-Jul-23	70	-51	7.9	2580	–	0	9	1.1	45	6.0

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
22-Jun-21	11	–	0.38	< 0.1	–	–	< 10	< 1	< 0.005	–
18-Nov-21	64	–	0.3	< 0.1	–	–	16	< 1	< 0.005	–
1-Jun-22	13	–	0.23	< 0.1	–	–	< 10	< 1	5.2	–
20-Dec-22	**1250**	–	0.28	< 0.1	–	–	65	< 1	–	–
10-Jul-23	14	–	0.67	0.2	–	–	14	< 1	< 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]	0.01	–	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
22-Jun-21	–	–	–	–	–	<0.0025	2.1	–	–	–	< 0.02
18-Nov-21	–	–	–	–	–	<0.0025	< 0.2	–	–	–	<0.1
1-Jun-22	–	–	–	–	–	<0.0025	< 0.2	–	–	–	<0.1
20-Dec-22	0.11	–	–	–	–	–	7.7	–	–	–	–
10-Jul-23	–	–	–	–	–	<0.0033	0.4	–	–	–	0.28

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
22-Jun-21	< 0.005	< 0.2	< 0.01	–	–	< 5	5.8	–	–	–	–
18-Nov-21	< 0.005	< 0.2	< 0.01	–	–	< 5	14.7	–	–	–	–
1-Jun-22	< 0.005	< 0.2	< 0.01	–	–	–	10.8	–	–	–	–
20-Dec-22	0.007	0.3	–	–	–	7.5	713	–	–	–	0.085
10-Jul-23	< 0.006	< 0.056	< 0.006	–	–	< 5	13	–	–	–	–

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
22-Jun-21	–	–	–	–	–	–	–	–	–	–	–
18-Nov-21	–	–	–	–	–	–	–	–	–	–	–
1-Jun-22	–	–	–	–	–	–	–	–	–	–	–
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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
22-Jun-21	–	–	–	–	–	–	–	–	–	–	–
18-Nov-21	–	–	–	–	–	–	–	–	–	–	–
1-Jun-22	–	–	–	–	–	–	–	–	–	–	–
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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
22-Jun-21	63	-137	8.7	177	–	< 1.0	9.1	< 5	90	11
1-Jun-22	61	-119	8.3	156	–	< 1.0	7.3	< 5	140	10
20-Dec-22	50	-53	8	2620	–	0.8	160	35	2060	94
10-Jul-23	49	-50	7.9	2580	–	4	45	< 5	29	10

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
22-Jun-21	40	–	<0.25	< 0.10	–	–	25	< 1.0	< 0.005	–
1-Jun-22	28	–	<0.25	< 0.10	–	–	25	< 1.0	< 0.005	–
20-Dec-22	**1230**	**3.5**	0.06	2.2	2.3	–	36	< 1.0	< 0.005	–
10-Jul-23	24	–	0.1	0.25	–	–	15	< 1.0	< 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]	0.01	–	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
22-Jun-21	–	–	–	–	–	< 0.0025	< 0.2	–	–	–	< 0.02
1-Jun-22	–	–	–	–	–	< 0.0025	0.3	–	–	–	< 0.02
20-Dec-22	0.13	–	–	–	–	–	12	–	–	0.025	< 0.02
10-Jul-23	–	–	–	–	–	< 0.0033	0.4	–	–	–	< 0.28

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
22-Jun-21	< 0.005	< 0.2	< 0.01	–	–	< 5	**237**	–	–	–	–
1-Jun-22	< 0.005	< 0.2	< 0.01	–	–	< 5	**21**	–	–	–	–
20-Dec-22	0.006	0.9	–	–	–	27	**697**	–	–	–	–
10-Jul-23	< 0.006	< 0.006	< 0.006	–	–	< 5	**19**	–	–	–	–

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
22-Jun-21	–	–	–	–	–	–	–	–	–	–	–
1-Jun-22	–	–	–	–	–	–	–	–	–	–	–
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

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	–	–	–	–	–	–	–	–	–	–	–
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
22-Jun-21	–	–	–	–	–	–	–	–	–	–	–
1-Jun-22	–	–	–	–	–	–	–	–	–	–	–
20-Dec-22	–	–	–	–	–	–	–	–	–	–	–
10-Jul-23	–	–	–	–	–	–	–	–	–	–	–

Appendix D

Sampling Data

AG ENVIRONMENTAL RSC, LLC

LABORATORY CERTIFICATE OF RESULTS

NYSDOH ELAP # 12081
PA DEP # 68-05705
FLORIDA (Legionella) # E871152

86 Queen Mountain Road, Ferndale, New York, 12734 / Phone: 845.704.8151 / Fax: 845.414.0051

Original Report #: 39074
LCR Issue Date: 08/08/2023

Bill-to Customer Information (C53289)		**Water Source Location X53289-13**	
Customer Name:	Enalytic, LLC	**Source Name:**	Town of Van Buren Landfill WELLS
Address:	6034 Corporate Drive	**Address:**	Kingdom Road
Town:	EAST SYRACUSE **State:** NY **Zip:** 13057	**Town:**	Baldwinsville **State:** NY **Zip:** 13027
Phone:	315-437-0255	**PWSID/SPDES:**	
Email:	tony.scala@enalytic.com,carole@enalytic.com,cherie@enalytic.com	**Contact Name:**	Anthony Scala
Fax:		**Phone:**	315-437-0255

Sample(s) delivered on 07/11/2023 **at** 01:10 PM — **From COC#:** 34085

Sample#	MTX	Sample Point	Sampled Date & Time	Temp	Pres. Y/N/T	Res Cl	Int	Anal/Prep Date & Time	Analyte/Test Method	Comment (see table)	Results	MCL/SMCL (Limits)
SB00001807	SW-G	MW-5S	07/10/2023 11:15 AM	6.0°C	Y	-	BN	07/12/2023 03:28 PM	Nitrate as (N) (calculated)	M1 B90204	Nitrate as (N) : 1.204 mg/L	
SB00001817	SW-G	MW-5S	07/10/2023 11:15 AM	6.0°C	N	-	BN	07/12/2023 09:15 AM	Total Dissolved Solids by SM22 2540C Method	TDS-00161	Total Dissolved Solids : 532 mg/L	
SB00001808	SW-G	MW-5S	07/10/2023 11:15 AM	6.0°C	N	-	BN	07/15/2023 07:17 PM	Sulfate by 300.0 Method	Y 23G0581-02/	Sulfate : 16.5 mg/L	
SB00001809	SW-G	MW-5S	07/10/2023 11:15 AM	6.0°C	N	-	BN	07/14/2023 03:48 PM	Alkalinity by Analytical Method: SM22 2320B	AL-900019	Alkalinity : 550 mg/L	
SB00001810	SW-G	MW-5S	07/10/2023 11:15 AM	6.0°C	N	-	BN	07/18/2023 07:12 PM	Chloride by SM22 4500-Cl-E Method	Y 23G0581-03/	Chloride : 14.0 mg/L	
SB00001811	SW-G	MW-5S	07/10/2023 11:15 AM	6.0°C	N	-	BN	07/11/2023 04:00 PM	Turbidity by EPA 180.1	N T-00240	Turbidity : 2000 NTU	
SB00001816	SW-G	MW-5S	07/10/2023 11:15 AM	6.0°C	Y	-	BN	07/12/2023 04:34 PM	Ammonia as (N) by EPA 350.1 Method	N A-00161	Ammonia as (N) : 0.746 mg/L	
SB00001812	SW-G	MW-5S	07/10/2023 11:15 AM	6.0°C	Y	-	BN	07/12/2023 02:32 PM	COD by EPA 410.4 Method	COD-00038	COD : 346 mg/L	
SB00001813	SW-G	MW-5S	07/10/2023 11:15 AM	6.0°C	Y	-	BN	07/19/2023 02:44 PM	Total Phenolics by EPA 420.1 Method	Y 23G0581-04/	Total Phenolics : <0.0500 mg/L	
SB00001814	SW-G	MW-5S	07/11/2023 11:15 AM	6.0°C	Y	-	BN	07/19/2023 08:38 AM	Total Organic Carbon by SM22 5310B	Y 23G0581-05/	TOC : 2.36 mg/L	
SB00001815	SW-G	MW-5S	07/11/2023 11:15 AM	6.0°C	Y	-	BN	07/18/2023 09:16 AM	Metals (Cd, Ca, Fe, Pb, Mg, Mn, K, Na, Total Hardness)) by EPA 6010	Y 23G0581-06/	Cadmium : <0.00333 mg/L Calcium : 139 mg/L Iron : <0.278 mg/L Lead : <0.00556 mg/L Magnesium : 31.0 mg/L Manganese : 1.26 mg/L Potassium : 5.47 mg/L Sodium : 11.0 mg/L Total Hardness : 474 mg/L	
S000172310	SW-G	MW-5S LAB FILTERED DISSOLVED METALS	07/11/2023 11:15 AM	6.0°C	Y	-	BN	07/18/2023 09:29 AM	NPDES Metals List by EPA 200.7/200.8 method	Y 23G0581-01/	See attached : See Attached	

Comment Table: Y - Sample ran at York Laboratories ELAP #10854 & ELAP #12058 | M1 - Matrix spike recovery exceeded QC limits. Batch accepted based on lab control sample recovery. | N - No Comment |
Remarks:

Authorized By:

K. Chilson

Krista Chilson
Quality Assurance

AG ENVIRONMENTAL RSC, LLC

LABORATORY CERTIFICATE OF RESULTS

NYSDOH ELAP # 12081
PA DEP # 68-05705
FLORIDA (Legionella) # E871152

86 Queen Mountain Road, Ferndale, New York, 12734 / Phone: 845.704.8151 / Fax: 845.414.0051

Original Report #: 39072
LCR Issue Date: 08/08/2023

Bill-to Customer Information (C53289)		**Water Source Location X53289-13**	
Customer Name:	Enalytic, LLC	**Source Name:**	Town of Van Buren Landfill WELLS
Address:	6034 Corporate Drive	**Address:**	Kingdom Road
Town:	EAST SYRACUSE **State:** NY **Zip:** 13057	**Town:**	Baldwinsville **State:** NY **Zip:** 13027
Phone:	315-437-0255	**PWSID/SPDES:**	
Email:	tony.scala@enalytic.com,carole@enalytic.com,cherie@enalytic.com	**Contact Name:**	Anthony Scala
Fax:		**Phone:**	315-437-0255

Sample(s) delivered on 07/11/2023 **at** 01:10 PM — **From COC#:** 34099

Sample#	MTX	Sample Point	Sampled Date & Time	Temp	Pres. Y/N/T	Res Cl	Int	Anal/Prep Date & Time	Analyte/Test Method	Comment (see table)	Results	MCL/SMCL (Limits)
SB00001818	SW-G	MW-5D	07/10/2023 11:10 AM	6.0°C	Y	-	BN	07/12/2023 03:28 PM	Nitrate as (N) (calculated)	B90204	Nitrate as (N) : 0.661 mg/L	
SB00001827	SW-G	MW-5D	07/10/2023 11:10 AM	6.0°C	N	-	BN	07/12/2023 09:15 AM	Total Dissolved Solids by SM22 2540C Method	TDS-00161	Total Dissolved Solids : 1730 mg/L	
SB00001819	SW-G	MW-5D	07/10/2023 11:10 AM	6.0°C	N	-	BN	07/18/2023 06:43 PM	Sulfate by 300.0 Method	Y 23G0575-02/	Sulfate : 807 mg/L	
SB00001820	SW-G	MW-5D	07/10/2023 11:10 AM	6.0°C	N	-	BN	07/14/2023 03:48 PM	Alkalinity by Analytical Method: SM22 2320B	AL-900019	Alkalinity : 483 mg/L	
SB00001821	SW-G	MW-5D	07/10/2023 11:10 AM	6.0°C	N	-	BN	07/15/2023 05:57 PM	Chloride by SM22 4500-Cl-E Method	Y 23G0575-03/	Chloride : 82.6 mg/L	
SB00001822	SW-G	MW-5D	07/10/2023 11:10 AM	6.0°C	N	-	BN	07/11/2023 06:00 PM	Turbidity by EPA 180.1	N T-00241	Turbidity : 320 NTU	
SB00001828	SW-G	MW-5D	07/10/2023 11:10 AM	6.0°C	Y	-	BN	07/12/2023 04:34 PM	Ammonia as (N) by EPA 350.1 Method	A-00161	Ammonia as (N) : 1.001 mg/L	
SB00001823	SW-G	MW-5D	07/10/2023 11:10 AM	6.0°C	Y	-	BN	07/12/2023 02:32 PM	COD by EPA 410.4 Method	COD-00038	COD : 269 mg/L	
SB00001824	SW-G	MW-5D	07/10/2023 11:10 AM	6.0°C	Y	-	BN	07/19/2023 02:44 PM	Total Phenolics by EPA 420.1 Method	Y 23G0575-04/	Total Phenolics : <0.0500 mg/L	
SB00001825	SW-G	MW-5D	07/10/2023 11:10 AM	6.0°C	Y	-	BN	07/19/2023 08:38 AM	Total Organic Carbon by SM22 5310B	Y 23G0575-05/	TOC : 24.3 mg/L	
SB00001826	SW-G	MW-5D	07/10/2023 11:10 AM	6.0°C	Y	-	BN	07/18/2023 09:16 AM	Metals (Cd, Ca, Fe, Pb, Mg, Mn, K, Na, Total Hardness)) by EPA 6010	Y 23G0575-06/	Cadmium : <0.00333 mg/L Calcium : 416 mg/L Iron : 0.354 mg/L Lead : <0.00556 mg/L Magnesium : 18.5 mg/L Manganese : 0.104 mg/L Potassium : 52.2 mg/L Sodium : 56.8 mg/L Total Hardness : 1120 mg/L	
S000172312	SW-G	MW-5D	07/10/2023 11:10 AM	6.0°C	Y	-	BN	07/18/2023 09:29 AM	NPDES Metals List by EPA 200.7/200.8 method	Y 23G0575-01/	See attached : See Attached	

AG ENVIRONMENTAL RSC, LLC

LABORATORY CERTIFICATE OF RESULTS

NYSDOH ELAP # 12081
PA DEP # 68-05705
FLORIDA (Legionella) # E871152

86 Queen Mountain Road, Ferndale, New York, 12734 / Phone: 845.704.8151 / Fax: 845.414.0051

Bill-to Customer Information (C53289)

Water Source Location X53289-13

Original Report #: 39061
LCR Issue Date: 08/08/2023

Customer Name:	Enalytic, LLC	**Source Name:**	Town of Van Buren Landfill WELLS
Address:	6034 Corporate Drive	**Address:**	Kingdom Road
Town:	EAST SYRACUSE **State:** NY **Zip:** 13057	**Town:**	Baldwinsville **State:** NY **Zip:** 13027
Phone:	315-437-0255	**PWSID/SPDES:**	
Email:	tony.scala@enalytic.com,carole@enalytic.com,cherie@enalytic.com	**Contact Name:**	Anthony Scala
Fax:		**Phone:**	315-437-0255

Sample(s) delivered on 07/11/2023 **at** 01:10 PM — **From COC#:** 34100

Sample#	MTX	Sample Point	Sampled Date & Time	Temp	Pres. Y/N/T	Res Cl	Int	Anal/Prep Date & Time	Analyte/Test Method	Comment (see table)	Results	MCL/SMCL (Limits)
SB00001829	SW-G	MW-6S	07/10/2023 03:15 PM	6.0°C	Y	-	BN	07/12/2023 03:28 PM	Nitrate as (N) (calculated)	B90204	Nitrate as (N) : 6.748 mg/L	
SB00001838	SW-G	MW-6S	07/10/2023 03:15 PM	6.0°C	N	-	BN	07/12/2023 09:15 AM	Total Dissolved Solids by SM22 2540C Method	TDS-00161	Total Dissolved Solids : 402 mg/L	
SB00001830	SW-G	MW-6S	07/10/2023 03:15 PM	6.0°C	N	-	BN	07/20/2023 02:32 PM	Sulfate by 300.0 Method	Y 23G0550-01/	Sulfate : 48.0 mg/L	
SB00001831	SW-G	MW-6S	07/10/2023 03:15 PM	6.0°C	N	-	BN	07/15/2023 01:29 PM	Alkalinity by Analytical Method: SM22 2320B	TALKA-SW-WWAL00020A	Alkalinity : 325 mg/L	
SB00001832	SW-G	MW-6S	07/10/2023 03:15 PM	6.0°C	N	-	BN	07/15/2023 06:48 AM	Chloride by SM22 4500-Cl-E Method	Y 23G0550-02/	Chloride : 11.3 mg/L	
SB00001833	SW-G	MW-6S	07/10/2023 03:15 PM	6.0°C	N	-	BN	07/11/2023 06:00 PM	Turbidity by EPA 180.1	N T-00241	Turbidity : 260 NTU	
SB00001839	SW-G	MW-6S	07/10/2023 03:15 PM	6.0°C	Y	-	BN	07/12/2023 04:34 PM	Ammonia as (N) by EPA 350.1 Method	A-00161	Ammonia as (N) : 0.238 mg/L	
SB00001834	SW-G	MW-6S	07/10/2023 03:15 PM	6.0°C	Y	-	BN	07/12/2023 02:32 PM	COD by EPA 410.4 Method	COD-00038	COD : 71.6 mg/L	
SB00001835	SW-G	MW-6S	07/10/2023 03:15 PM	6.0°C	Y	-	BN	07/17/2023 02:49 PM	Total Phenolics by EPA 420.1 Method	Y 23G0550-03/	Total Phenolics : <0.0500 mg/L	
SB00001836	SW-G	MW-6S	07/10/2023 03:15 PM	6.0°C	Y	-	BN	07/19/2023 08:38 AM	Total Organic Carbon by SM22 5310B	Y 23G0550-04/	TOC : 1.10 mg/L	
SB00001837	SW-G	MW-6S	07/10/2023 03:15 PM	6.0°C	Y	-	BN	07/18/2023 09:16 AM	Metals (Cd, Ca, Fe, Pb, Mg, Mn, K, Na, Total Hardness)) by EPA 6010	Y 23G0550-05/	Cadmium : <0.00333 mg/L Calcium : 66.4 mg/L Iron : <0.278 mg/L Lead : <0.00556 mg/L Magnesium : 52.7 mg/L Manganese : 0.103 mg/L Potassium : 1.42 mg/L Sodium : 3.17 mg/L Total Hardness : 383 mg/L	

Comment Table: Y - Sample ran at York Laboratories ELAP #10854 & ELAP #12058 | N - No Comment |
Remarks:

AG ENVIRONMENTAL RSC, LLC

LABORATORY CERTIFICATE OF RESULTS

NYSDOH ELAP # 12081
PA DEP # 68-05705
FLORIDA (Legionella) # E871152

86 Queen Mountain Road, Ferndale, New York, 12734 / Phone: 845.704.8151 / Fax: 845.414.0051

Original Report #: 39057
LCR Issue Date: 08/08/2023

Bill-to Customer Information (C53289)		**Water Source Location X53289-13**	
Customer Name:	Enalytic, LLC	**Source Name:**	Town of Van Buren Landfill WELLS
Address:	6034 Corporate Drive	**Address:**	Kingdom Road
Town:	EAST SYRACUSE **State:** NY **Zip:** 13057	**Town:**	Baldwinsville **State:** NY **Zip:** 13027
Phone:	315-437-0255	**PWSID/SPDES:**	
Email:	tony.scala@enalytic.com,carole@enalytic.com,cherie@enalytic.com	**Contact Name:**	Anthony Scala
Fax:		**Phone:**	315-437-0255

Sample(s) delivered on 07/11/2023 **at** 01:10 PM — **From COC#:** 34110

Sample#	MTX	Sample Point	Sampled Date & Time	Temp	Pres. Y/N/T	Res Cl	Int	Anal/Prep Date & Time	Analyte/Test Method	Comment (see table)	Results	MCL/SMCL (Limits)
SB00001895	SW-G	MW-8S	07/10/2023 12:00 PM	6.0°C	Y		BN	07/12/2023 03:28 PM	Nitrate as (N) (calculated)	B90204	Nitrate as (N) : 3.518 mg/L	
SB00001904	SW-G	MW-8S	07/10/2023 12:00 PM	6.0°C	N		BN	07/12/2023 09:15 AM	Total Dissolved Solids by SM22 2540C Method	TDS-00161	Total Dissolved Solids : 577 mg/L	
SB00001896	SW-G	MW-8S	07/10/2023 12:00 PM	6.0°C	N		BN	07/15/2023 07:15 AM	Sulfate by 300.0 Method	Y 23G0553-01/	Sulfate : 13.6 mg/L	
SB00001897	SW-G	MW-8S	07/10/2023 12:00 PM	6.0°C	N		BN	07/15/2023 01:29 PM	Alkalinity by Analytical Method: SM22 2320B	TALKA-SW-WWAL00020A	Alkalinity : 545 mg/L	
SB00001898	SW-G	MW-8S	07/10/2023 12:00 PM	6.0°C	N		BN	07/15/2023 07:41 AM	Chloride by SM22 4500-Cl-E Method	Y 23G0553-02/	Chloride : 20.0 mg/L	
SB00001899	SW-G	MW-8S	07/10/2023 12:00 PM	6.0°C	N		BN	07/11/2023 06:00 PM	Turbidity by EPA 180.1	N T-00241	Turbidity : 22 NTU	
SB00001905	SW-G	MW-8S	07/10/2023 12:00 PM	6.0°C	Y		BN	07/12/2023 04:34 PM	Ammonia as (N) by EPA 350.1 Method	A-00161	Ammonia as (N) : 0.193 mg/L	
SB00001900	SW-G	MW-8S	07/10/2023 12:00 PM	6.0°C	Y		BN	07/12/2023 02:32 PM	COD by EPA 410.4 Method	COD-00038	COD : 23.7 mg/L	
SB00001901	SW-G	MW-8S	07/10/2023 12:00 PM	6.0°C	Y		BN	07/17/2023 02:49 PM	Total Phenolics by EPA 420.1 Method	Y 23G0553-03/	Total Phenolics : <0.0500 mg/L	
SB00001902	SW-G	MW-8S	07/10/2023 12:00 PM	6.0°C	Y		BN	07/19/2023 08:38 AM	Total Organic Carbon by SM22 5310B	Y 23G0553-04/	TOC : 2.26 mg/L	
SB00001903	SW-G	MW-8S	07/10/2023 12:00 PM	6.0°C	Y		BN	07/18/2023 09:16 AM	Metals (Cd, Ca, Fe, Pb, Mg, Mn, K, Na, Total Hardness)) by EPA 6010	Y 23G0553-05/	Cadmium : <0.00333 mg/L Calcium : 155 mg/L Iron : 0.493 mg/L Lead : <0.00556 mg/L Magnesium : 35.7 mg/L Manganese : 4.50 mg/L Potassium : 5.55 mg/L Sodium : 10.5 mg/L Total Hardness : 535 mg/L	

Comment Table: Y - Sample ran at York Laboratories ELAP #10854 & ELAP #12058 | N - No Comment |
Remarks:

AG ENVIRONMENTAL RSC, LLC

LABORATORY CERTIFICATE OF RESULTS

NYSDOH ELAP # 12081
PA DEP # 68-05705
FLORIDA (Legionella) # E871152

86 Queen Mountain Road, Ferndale, New York, 12734 / Phone: 845.704.8151 / Fax: 845.414.0051

Original Report #: 39077
LCR Issue Date: 08/08/2023

Bill-to Customer Information (C53289)		**Water Source Location X53289-13**	
Customer Name:	Enalytic, LLC	**Source Name:**	Town of Van Buren Landfill WELLS
Address:	6034 Corporate Drive	**Address:**	Kingdom Road
Town:	EAST SYRACUSE **State:** NY **Zip:** 13057	**Town:**	Baldwinsville **State:** NY **Zip:** 13027
Phone:	315-437-0255	**PWSID/SPDES:**	
Email:	tony.scala@enalytic.com,carole@enalytic.com,cherie@enalytic.com	**Contact Name:**	Anthony Scala
Fax:		**Phone:**	315-437-0255

Sample(s) delivered on 07/11/2023 **at** 01:10 PM — **From COC#:** 34111

Sample#	MTX	Sample Point	Sampled Date & Time	Temp	Pres. Y/N/T	Res Cl	Int	Anal/Prep Date & Time	Analyte/Test Method	Comment (see table)	Results	MCL/SMCL (Limits)
SB00001915	SW-G	MW-8D	07/10/2023 11:50 AM	6.0°C	N	-	BN	07/12/2023 09:15 AM	Total Dissolved Solids by SM22 2540C Method	TDS-00161	Total Dissolved Solids : 1305 mg/L	
SB00001906	SW-G	MW-8D	07/10/2023 11:50 AM	6.0°C	Y	-	BN	07/12/2023 03:28 PM	Nitrate as (N) (calculated)	B90204	Nitrate as (N) : 1119 mg/L	
SB00001907	SW-G	MW-8D	07/10/2023 11:50 AM	6.0°C	N	-	BN	07/18/2023 06:14 PM	Sulfate by 300.0 Method	Y 23G0536-01/	Sulfate : 928 mg/L	
SB00001908	SW-G	MW-8D	07/10/2023 11:50 AM	6.0°C	N	-	BN	07/15/2023 01:29 PM	Alkalinity by Analytical Method: SM22 2320B	TALKA-SW-WWAL00020A	Alkalinity : 150 mg/L	
SB00001909	SW-G	MW-8D	07/10/2023 11:50 AM	6.0°C	N	-	BN	07/15/2023 03:11 AM	Chloride by SM22 4500-Cl-E Method	Y 23G0536-02/	Chloride : 57.3 mg/L	
SB00001910	SW-G	MW-8D	07/10/2023 11:50 AM	6.0°C	N	-	BN	07/11/2023 06:00 PM	Turbidity by EPA 180.1	N T-00241	Turbidity : 15 NTU	
SB00001916	SW-G	MW-8D	07/10/2023 11:50 AM	6.0°C	Y	-	BN	07/12/2023 04:34 PM	Ammonia as (N) by EPA 350.1 Method	A-00161	Ammonia as (N) 0.526 mg/L	
SB00001911	SW-G	MW-8D	07/10/2023 11:50 AM	6.0°C	Y	-	BN	07/12/2023 02:32 PM	COD by EPA 410.4 Method	COD-00038	COD : 24.0 mg/L	
SB00001912	SW-G	MW-8D	07/10/2023 11:50 AM	6.0°C	Y	-	BN	07/17/2023 02:49 PM	Total Phenolics by EPA 420.1 Method	Y 23G0536-03/	Total Phenolics :<0.0500 mg/L	
SB00001913	SW-G	MW-8D	07/10/2023 11:50 AM	6.0°C	Y	-	BN	07/19/2023 08:38 AM	Total Organic Carbon by SM22 5310B	Y 23G0536-04/	TOC : <1.00 mg/L	
SB00001914	SW-G	MW-8D	07/10/2023 11:50 AM	6.0°C	Y	-	BN	07/16/2023 08:05 AM	Metals (Cd, Ca, Fe, Pb, Mg, Mn, K, Na, Total Hardness)) by EPA 6010	Y 23G0536-05/	Cadmium : <0.0333 mg/L Calcium : 301 mg/L Iron : 1.63 mg/L Lead : <0.00556mg/L Magnesium : 143 mg/L Manganese : 0.161 mg/L Potassium : 41.0mg/L Sodium : 40.9 mg/L Total Hardness :892 mg/L	

Comment Table: Y - Sample ran at York Laboratories ELAP #10854 & ELAP #12058 | N - No Comment |
Remarks:

AG ENVIRONMENTAL RSC, LLC

LABORATORY CERTIFICATE OF RESULTS

NYSDOH ELAP # 12081
PA DEP # 68-05705
FLORIDA (Legionella) # E871152

86 Queen Mountain Road, Ferndale, New York, 12734 / Phone: 845.704.8151 / Fax: 845.414.0051

Original Report #: 39052
LCR Issue Date: 08/08/2023

Bill-to Customer Information (C53289)		**Water Source Location X53289-13**	
Customer Name:	Enalytic, LLC	**Source Name:**	Town of Van Buren Landfill WELLS
Address:	6034 Corporate Drive	**Address:**	Kingdom Road
Town:	EAST SYRACUSE **State:** NY **Zip:** 13057	**Town:**	Baldwinsville **State:** NY **Zip:** 13027
Phone:	315-437-0255	**PWSID/SPDES:**	
Email:	tony.scala@enalytic.com,carole@enalytic.com,cherie@enalytic.com	**Contact Name:**	Anthony Scala
Fax:		**Phone:**	315-437-0255

Sample(s) delivered on 07/11/2023 **at** 01:10 PM — **From COC#:** 34108

Sample#	MTX	Sample Point	Sampled Date & Time	Temp	Pres. Y/N/T	Res Cl	Int	Anal/Prep Date & Time	Analyte/Test Method	Comment (see table)	Results	MCL/SMCL (Limits)
SB00001917	SW-G	MW-9S	07/10/2023 10:15 AM	6.0°C	Y	-	BN	07/12/2023 03:28 PM	Nitrate as (N) (calculated)	B90204	Nitrate as (N) : 0.427 mg/L	
SB00001926	SW-G	MW-9S	07/10/2023 10:15 AM	6.0°C	N	-	BN	07/12/2023 09:15 AM	Total Dissolved Solids by SM22 2540C Method	TDS-00161	Total Dissolved Solids : 434 mg/L	
SB00001918	SW-G	MW-9S	07/10/2023 10:15 AM	6.0°C	N	-	BN	07/18/2023 01:30 AM	Sulfate by 300.0 Method	Y 23G0572-02/	Sulfate : 49.1 mg/L	
SB00001919	SW-G	MW-9S	07/10/2023 10:15 AM	6.0°C	N	-	BN	07/15/2023 01:29 PM	Alkalinity by Analytical Method: SM22 2320B	TALKA-SW-WWAL00020A	Alkalinity : 174 mg/L	
SB00001920	SW-G	MW-9S	07/10/2023 10:15 AM	6.0°C	N	-	BN	07/15/2023 05:03 PM	Chloride by SM22 4500-Cl-E Method	Y 23G0572-03/	Chloride : 77.3 mg/L	
SB00001921	SW-G	MW-9S	07/10/2023 10:15 AM	6.0°C	N	-	BN	07/11/2023 06:00 PM	Turbidity by EPA 180.1	N T-00241	Turbidity : 450 NTU	
SB00001927	SW-G	MW-9S	07/10/2023 10:15 AM	6.0°C	Y	-	BN	07/12/2023 04:34 PM	Ammonia as (N) by EPA 350.1 Method	A-00161	Ammonia as (N) : 0.256 mg/L	
SB00001922	SW-G	MW-9S	07/10/2023 10:15 AM	6.0°C	Y	-	BN	07/12/2023 02:32 PM	COD by EPA 410.4 Method	COD-00038	COD : 95 mg/L	
SB00001923	SW-G	MW-9S	07/10/2023 10:15 AM	6.0°C	Y	-	BN	07/18/2023 02:51 PM	Total Phenolics by EPA 420.1 Method	Y 23G0572-04/	Total Phenolics : <0.0500 mg/L	
SB00001925	SW-G	MW-9S	07/10/2023 10:15 AM	6.0°C	Y	-	BN	07/18/2023 09:16 AM	Metals (Cd, Ca, Fe, Pb, Mg, Mn, K, Na, Total Hardness)) by EPA 6010	Y 23G0572-06/	Cadmium : <0.00333 mg/L Calcium : 129 mg/L Iron : 6.74 mg/L Lead : <0.00556 mg/L Magnesium : 59.6 mg/L Manganese : 0.464 mg/L Potassium : 3.83 mg/L Sodium : 36.0 mg/L Total Hardness : 566 mg/L	
SB00001924	SW-G	MW-9S	07/10/2023 10:15 AM	6.0°C	Y	-	BN	07/19/2023 08:38 AM	Total Organic Carbon by SM22 5310B	Y 23G0572-05/	TOC : 1.29 mg/L	
S000172313	SW-G	MW-9S	07/10/2023 10:15 AM	6.0°C	Y	-	BN	07/18/2023 09:29 AM	NPDES Metals List by EPA 200.7/200.8 method	Y 23G0572-01/	See attached : See Attached	

LABORATORY CERTIFICATE OF RESULTS

AG ENVIRONMENTAL RSC, LLC

NYSDOH ELAP # 12081
PA DEP # 68-05705
FLORIDA (Legionella) # E871152

86 Queen Mountain Road, Ferndale, New York, 12734 / Phone: 845.704.8151 / Fax: 845.414.0051

Original Report #: 39050
LCR Issue Date: 08/08/2023

Bill-to Customer Information (C53289)		**Water Source Location X53289-13**	
Customer Name:	Enalytic, LLC	**Source Name:**	Town of Van Buren Landfill WELLS
Address:	6034 Corporate Drive	**Address:**	Kingdom Road
Town:	EAST SYRACUSE **State:** NY **Zip:** 13057	**Town:**	Baldwinsville **State:** NY **Zip:** 13027
Phone:	315-437-0255	**PWSID/SPDES:**	
Email:	tony.scala@enalytic.com,carole@enalytic.com,cherie@enalytic.com	**Contact Name:**	Anthony Scala
Fax:		**Phone:**	315-437-0255

Sample(s) delivered on 07/11/2023 **at** 01:10 PM — **From COC#:** 34089

Sample#	MTX	Sample Point	Sampled Date & Time	Temp	Pres. Y/N/T	Res Cl	Int	Anal/Prep Date & Time	Analyte/Test Method	Comment (see table)	Results	MCL/SMCL (Limits)
SB00001928	SW-G	MW-9D	07/10/2023 09:10 AM	6.0°C	Y	-	BN	07/12/2023 03:28 PM	Nitrate as (N) (calculated)	B90204	Nitrate as (N) : 1.174 mg/L	
SB00001937	SW-G	MW-9D	07/10/2023 09:10 AM	6.0°C	N	-	BN	07/12/2023 09:15 AM	Total Dissolved Solids by SM22 2540C Method	TDS-00161	Total Dissolved Solids : 2380 mg/L	
SB00001929	SW-G	MW-9D	07/10/2023 09:10 AM	6.0°C	N	-	BN	07/18/2023 12:22 AM	Sulfate by 300.0 Method	Y 23G0542-01/	Sulfate : 1430 mg/L	
SB00001930	SW-G	MW-9D	07/10/2023 09:10 AM	6.0°C	N	-	BN	07/14/2023 03:48 PM	Alkalinity by Analytical Method: SM22 2320B	AL-900019	Alkalinity : 149 mg/L	
SB00001931	SW-G	MW-9D	07/10/2023 09:10 AM	6.0°C	N	-	BN	07/15/2023 04:05 AM	Chloride by SM22 4500-Cl-E Method	Y 23G0542-02/	Chloride : 177 mg/L	
SB00001932	SW-G	MW-9D	07/10/2023 09:10 AM	6.0°C	N	-	BN	07/11/2023 04:00 PM	Turbidity by EPA 180.1	N T-00240	Turbidity : 50 NTU	
SB00001938	SW-G	MW-9D	07/10/2023 09:10 AM	6.0°C	Y	-	BN	07/12/2023 04:34 PM	Ammonia as (N) by EPA 350.1 Method	A-00161	Ammonia as (N) : 3.694 mg/L	
SB00001933	SW-G	MW-9D	07/10/2023 09:10 AM	6.0°C	Y	-	BN	07/12/2023 02:32 PM	COD by EPA 410.4 Method	COD-00038	COD : 32.0 mg/L	
SB00001934	SW-G	MW-9D	07/10/2023 09:10 AM	6.0°C	Y	-	BN	07/17/2023 02:49 PM	Total Phenolics by EPA 420.1 Method	Y 23G0542-03/	Total Phenolics : <0.0500 mg/L	
SB00001935	SW-G	MW-9D	07/10/2023 09:10 AM	6.0°C	Y	-	BN	07/19/2023 08:38 AM	Total Organic Carbon by SM22 5310B	Y 23G0542-04/	TOC : 1.97 mg/L	
SB00001936	SW-G	MW-9D	07/10/2023 09:10 AM	6.0°C	Y	-	BN	07/16/2023 08:05 AM	Metals (Cd, Ca, Fe, Pb, Mg, Mn, K, Na, Total Hardness)) by EPA 6010	Y 23G0542-05/	Cadmium : <0.00333 mg/L Calcium : 540 mg/L Iron : 5.95 mg/L Lead : <0.00556 mg/L Magnesium : 22.0 mg/L Manganese : 0.109 mg/L Potassium : 63.0 mg/L Sodium : 110 mg/L Total Hardness : 1460 mg/L	

AG ENVIRONMENTAL RSC, LLC

LABORATORY CERTIFICATE OF RESULTS

NYSDOH ELAP # 12081
PA DEP # 68-05705
FLORIDA (Legionella) # E871152

86 Queen Mountain Road, Ferndale, New York, 12734 / Phone: 845.704.8151 / Fax: 845.414.0051

Original Report #: 39055
LCR Issue Date: 08/08/2023

Bill-to Customer Information (C53289)		**Water Source Location X53289-13**	
Customer Name:	Enalytic, LLC	**Source Name:**	Town of Van Buren Landfill WELLS
Address:	6034 Corporate Drive	**Address:**	Kingdom Road
Town:	EAST SYRACUSE **State:** NY **Zip:** 13057	**Town:**	Baldwinsville **State:** NY **Zip:** 13027
Phone:	315-437-0255	**PWSID/SPDES:**	
Email:	tony.scala@enalytic.com,carole@enalytic.com,cherie@enalytic.com	**Contact Name:**	Anthony Scala
Fax:		**Phone:**	315-437-0255

Sample(s) delivered on 07/11/2023 **at** 01:10 PM — **From COC#:** 34127

Sample#	MTX	Sample Point	Sampled Date & Time	Temp	Pres. Y/N/T	Res Cl	Int	Anal/Prep Date & Time	Analyte/Test Method	Comment (see table)	Results	MCL/SMCL (Limits)
SB00001939	SW-G	MW-X (DUPE)	07/10/2023 09:10 AM	6.0°C	Y		BN	07/12/2023 03:28 PM	Nitrate as (N) (calculated)	B90204	Nitrate as (N) : 0.544 mg/L	
SB00001949	SW-G	MW-X (DUPE)	07/10/2023 09:10 AM	6.0°C	N		BN	07/12/2023 03:29 PM	Total Dissolved Solids by SM22 2540C Method	TDS-00162	Total Dissolved Solids : 2372 mg/L	
SB00001940	SW-G	MW-X (DUPE)	07/10/2023 09:10 AM	6.0°C	N		BN	07/18/2023 06:33 PM	Sulfate by 300.0 Method	Y 23G0556-01/	Sulfate : 1960 mg/L	
SB00001941	SW-G	MW-X (DUPE)	07/10/2023 09:10 AM	6.0°C	N		BN	07/15/2023 01:29 PM	Alkalinity by Analytical Method: SM22 2320B	TALKA-SW-WWAL00020A	Alkalinity : 154 mg/L	
SB00001942	SW-G	MW-X (DUPE)	07/10/2023 09:10 AM	6.0°C	N		BN	07/15/2023 08:35 AM	Chloride by SM22 4500-Cl-E Method	Y 23G0556-02/	Chloride : 182 mg/L	
SB00001943	SW-G	MW-X (DUPE)	07/10/2023 09:10 AM	6.0°C	N		BN	07/11/2023 06:25 PM	Turbidity by EPA 180.1	N T-00242	Turbidity : 50 NTU	
SB00001948	SW-G	MW-X (DUPE)	07/10/2023 09:10 AM	6.0°C	Y		BN	07/12/2023 04:34 PM	Ammonia as (N) by EPA 350.1 Method	A-00161	Ammonia as (N) : 3.891 mg/L	
SB00001944	SW-G	MW-X (DUPE)	07/10/2023 09:10 AM	6.0°C	Y		BN	07/12/2023 02:32 PM	COD by EPA 410.4 Method	COD-00038	COD : 30.0 mg/L	
SB00001945	SW-G	MW-X (DUPE)	07/10/2023 09:10 AM	6.0°C	Y		BN	07/18/2023 02:51 PM	Total Phenolics by EPA 420.1 Method	Y 23G0556-03/	Total Phenolics : <0.0500 mg/L	
SB00001946	SW-G	MW-X (DUPE)	07/10/2023 09:10 AM	6.0°C	Y		BN	07/19/2023 08:38 AM	Total Organic Carbon by SM22 5310B	Y 23G0556-04/	TOC : 3.50 mg/L	
SB00001947	SW-G	MW-X (DUPE)	07/10/2023 09:10 AM	6.0°C	Y		BN	07/18/2023 09:16 AM	Metals (Cd, Ca, Fe, Pb, Mg, Mn, K, Na, Total Hardness)) by EPA 6010	Y 23G0556-05/	Cadmium : <0.00333 mg/L Calcium : 512 mg/L Iron : 5.38 mg/L Lead : <0.00556 mg/L Magnesium : 21.2 mg/L Manganese : 0.104 mg/L Potassium : 58.7 mg/L Sodium : 100 mg/L Total Hardness : 1690 mg/L	

Comment Table: Y - Sample ran at York Laboratories ELAP #10854 & ELAP #12058 | N - No Comment |
Remarks:

AG ENVIRONMENTAL RSC, LLC

LABORATORY CERTIFICATE OF RESULTS

NYSDOH ELAP # 12081
PA DEP # 68-05705
FLORIDA (Legionella) # E871152

86 Queen Mountain Road, Ferndale, New York, 12734 / Phone: 845.704.8151 / Fax: 845.414.0051

Original Report #: 39059
LCR Issue Date: 08/08/2023

Bill-to Customer Information (C53289)		**Water Source Location X53289-13**	
Customer Name:	Enalytic, LLC	**Source Name:**	Town of Van Buren Landfill WELLS
Address:	6034 Corporate Drive	**Address:**	Kingdom Road
Town:	EAST SYRACUSE **State:** NY **Zip:** 13057	**Town:**	Baldwinsville **State:** NY **Zip:** 13027
Phone:	315-437-0255	**PWSID/SPDES:**	
Email:	tony.scala@enalytic.com,carole@enalytic.com,cherie@enalytic.com	**Contact Name:**	Anthony Scala
Fax:		**Phone:**	315-437-0255

Sample(s) delivered on 07/11/2023 **at** 01:10 PM — **From COC#:** 34096

Sample#	MTX	Sample Point	Sampled Date & Time	Temp	Pres. Y/N/T	Res Cl	Int	Anal/Prep Date & Time	Analyte/Test Method	Comment (see table)	Results	MCL/SMCL (Limits)
SB00001873	SW-G	MW-5D-MS	07/10/2023 11:10 AM	6.0°C	Y		BN	07/12/2023 03:28 PM	Nitrate as (N) (calculated)	B90204	Nitrate as (N) : 0.544 mg/L	
SB00001882	SW-G	MW-5D-MS	07/10/2023 11:10 AM	6.0°C	N		BN	07/12/2023 09:15 AM	Total Dissolved Solids by SM22 2540C Method	N TDS-00161	Total Dissolved Solids : 1802 mg/L	
SB00001874	SW-G	MW-5D-MS	07/10/2023 11:10 AM	6.0°C	N		BN	07/18/2023 06:53 PM	Sulfate by 300.0 Method	Y 23G0577-02/	Sulfate : 86.0 mg/L	
SB00001875	SW-G	MW-5D-MS	07/10/2023 11:10 AM	6.0°C	N		BN	07/14/2023 03:48 PM	Alkalinity by Analytical Method: SM22 2320B	AL-900019	Alkalinity : 490 mg/L	
SB00001876	SW-G	MW-5D-MS	07/10/2023 11:10 AM	6.0°C	N		BN	07/15/2023 06:50 PM	Chloride by SM22 4500-Cl-E Method	Y 23G0577-03/	Chloride : 87.0 mg/L	
SB00001877	SW-G	MW-5D-MS	07/10/2023 11:10 AM	6.0°C	N		BN	07/11/2023 06:00 PM	Turbidity by EPA 180.1	N T-00241	Turbidity : 220 NTU	
SB00001883	SW-G	MW-5D-MS	07/10/2023 11:10 AM	6.0°C	Y		BN	07/12/2023 04:34 PM	Ammonia as (N) by EPA 350.1 Method	A-00161	Ammonia as (N) : 0.545 mg/L	
SB00001878	SW-G	MW-5D-MS	07/10/2023 11:10 AM	6.0°C	Y		BN	07/12/2023 02:32 PM	COD by EPA 410.4 Method	COD-00038	COD : 244 mg/L	
SB00001879	SW-G	MW-5D-MS	07/10/2023 11:10 AM	6.0°C	Y		BN	07/19/2023 02:44 PM	Total Phenolics by EPA 420.1 Method	Y 23G0577-04/	Total Phenolics : <0.0500 mg/L	
SB00001880	SW-G	MW-5D-MS	07/10/2023 11:10 AM	6.0°C	Y		BN	07/19/2023 08:38 AM	Total Organic Carbon by SM22 5310B	Y 23G0577-05/	TOC : 16.6 mg/L	
SB00001881	SW-G	MW-5D-MS	07/10/2023 11:10 AM	6.0°C	Y		BN	07/18/2023 09:16 AM	Metals (Cd, Ca, Fe, Pb, Mg, Mn, K, Na, Total Hardness)) by EPA 6010	Y 23G0577-06/	Cadmium : <0.00333 mg/L Calcium : 427 mg/L Iron : 4.57 mg/L Lead : <0.00556 mg/L Magnesium : 19.2 mg/L Manganese : 0.121 mg/L Potassium : 50.8 mg/L Sodium : 58.0 mg/L Total Hardness : 1140 mg/L	
S000172306	SW-G	MW-5D-MS	07/11/2023 11:10 AM	6.0°C	Y		BN	07/18/2023 09:29 AM	NPDES Metals List by EPA 200.7/200.8 method	Y 23G0577-01/	See attached : See Attached	

LABORATORY CERTIFICATE OF RESULTS

AG ENVIRONMENTAL RSC, LLC
86 Queen Mountain Road, Ferndale, New York, 12734 / Phone: 845.704.8151 / Fax: 845.414.0051

NYSDOH ELAP # 12081
PA DEP # 68-05705
FLORIDA (Legionella) # E871152

Original Report #: 39078
LCR Issue Date: 08/08/2023

Bill-to Customer Information (C53289)

Water Source Location X53289-13

Customer Name:	Enalytic, LLC	**Source Name:**	Town of Van Buren Landfill WELLS
Address:	6034 Corporate Drive	**Address:**	Kingdom Road
Town:	EAST SYRACUSE **State:** NY **Zip:** 13057	**Town:**	Baldwinsville **State:** NY **Zip:** 13027
Phone:	315-437-0255	**PWSID/SPDES:**	
Email:	tony.scala@enalytic.com,carole@enalytic.com,cherie@enalytic.com	**Contact Name:**	Anthony Scala
Fax:		**Phone:**	315-437-0255

Sample(s) delivered on 07/11/2023 **at** 01:10 PM

From COC#: 34092

Sample#	MTX	Sample Point	Sampled Date & Time	Temp	Pres. Y/N/T	Res Cl	Int	Anal/Prep Date & Time	Analyte/Test Method	Comment (see table)	Results	MCL/SMCL (Limits)
SB00001862	SW-G	MW-5D MSD	07/10/2023 11:10 AM	6.0°C	Y	-	BN	07/12/2023 03:28 PM	Nitrate as (N) (calculated)	B90204	Nitrate as (N) : 0.461 mg/L	
SB00001871	SW-G	MW-5D MSD	07/10/2023 11:10 AM	6.0°C	N	-	BN	07/12/2023 09:15 AM	Total Dissolved Solids by SM22 2540C Method	TDS-00161	Total Dissolved Solids : 1804 mg/L	
SB00001863	SW-G	MW-5D MSD	07/10/2023 11:10 AM	6.0°C	N	-	BN	07/18/2023 06:24 PM	Sulfate by 300.0 Method	Y 23G0547-01/	Sulfate : 902 mg/L	
SB00001864	SW-G	MW-5D MSD	07/10/2023 11:10 AM	6.0°C	N	-	BN	07/15/2023 01:29 PM	Alkalinity by Analytical Method: SM22 2320B	TALKA-SW-WWAL00020A	Alkalinity : 256 mg/L	
SB00001865	SW-G	MW-5D MSD	07/10/2023 11:10 AM	6.0°C	N	-	BN	07/15/2023 05:54 AM	Chloride by SM22 4500-Cl-E Method	Y 23G0547-02/	Chloride : 93.8 mg/L	
SB00001866	SW-G	MW-5D MSD	07/10/2023 11:10 AM	6.0°C	N	-	BN	07/11/2023 06:00 PM	Turbidity by EPA 180.1	N T-00241	Turbidity : 250 NTU	
SB00001872	SW-G	MW-5D MSD	07/10/2023 11:10 AM	6.0°C	Y	-	BN	07/12/2023 04:34 PM	Ammonia as (N) by EPA 350.1 Method	A-00161	Ammonia as (N): 1.468 mg/L	
SB00001867	SW-G	MW-5D MSD	07/10/2023 11:10 AM	6.0°C	Y	-	BN	07/12/2023 02:32 PM	COD by EPA 410.4 Method	COD-00038	COD : 214 mg/L	
SB00001868	SW-G	MW-5D MSD	07/10/2023 11:10 AM	6.0°C	Y	-	BN	07/17/2023 02:49 PM	Total Phenolics by EPA 420.1 Method	Y 23G0547-03/	Total Phenolics : <0.0500 mg/L	
SB00001869	SW-G	MW-5D MSD	07/10/2023 11:10 AM	6.0°C	Y	-	BN	07/19/2023 08:38 AM	Total Organic Carbon by SM22 5310B	Y 23G0547-04/	TOC : 5.88 mg/L	
SB00001870	SW-G	MW-5D MSD	07/10/2023 11:10 AM	6.0°C	Y	-	BN	07/16/2023 08:05 AM	Metals (Cd, Ca, Fe, Pb, Mg, Mn, K, Na, Total Hardness)) by EPA 6010	Y 23G0547-05/	Cadmium : <0.00333 mg/L Calcium : 431 mg/L Iron : 1.41 mg/L Lead : <0.00556 mg/L Magnesium : 19.6 mg/L Manganese : 0.136 mg/L Potassium : 55.4 mg/L Sodium : 64.5 mg/L Total Hardness : 1140 mg/L	

Comment Table: Y - Sample ran at York Laboratories ELAP #10854 & ELAP #12058 | N - No Comment |
Remarks: Amended to correct sample point for all samples

Technical Report

prepared for:

Sullivan County Labs
86 Queen Mountain Road
Ferndale NY, 12734
Attention: Jerry Berger

Report Date: 07/19/2023
Client Project ID: X53289-13/34083
York Project (SDG) No.: 23G0570

Report Date: 07/19/2023
Client Project ID: X53289-13/34083
York Project (SDG) No.: 23G0570

Sullivan County Labs
86 Queen Mountain Road
Ferndale NY, 12734
Attention: Jerry Berger

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 12, 2023 and listed below. The project was identified as your project: **X53289-13/34083.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23G0570-01	SB00001735	Water	07/10/2023	07/12/2023

General Notes for York Project (SDG) No.: 23G0570

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: Cassie L. Mosher

Date: 07/19/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: SB00001735 **York Sample ID:** 23G0570-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23G0570	X53289-13/34083	Water	July 10, 2023 11:15 am	07/12/2023

Volatile Organics, 624 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 16:15	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 16:15	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 16:15	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 16:15	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 16:15	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 16:15	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 16:15	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 16:15	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 16:15	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 16:15	SMA
110-75-8	2-Chloroethylvinyl ether	ND	CCVE, QL-02	ug/L	20	1	EPA 624.1 Certifications:	07/18/2023 09:00 NELAC-NY10854,NJDEP,PADEP	07/18/2023 16:15	SMA
107-02-8	Acrolein	ND		ug/L	10	1	EPA 624.1 Certifications:	07/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/18/2023 16:15	SMA
107-13-1	Acrylonitrile	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/18/2023 16:15	SMA
71-43-2	Benzene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 16:15	SMA
75-27-4	Bromodichloromethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 16:15	SMA
75-25-2	Bromoform	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 16:15	SMA
74-83-9	Bromomethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 16:15	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/18/2023 16:15	SMA

Sample Information

Client Sample ID: SB00001735 **York Sample ID:** 23G0570-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23G0570	X53289-13/34083	Water	July 10, 2023 11:15 am	07/12/2023

Volatile Organics, 624 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00	07/18/2023 16:15 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	SMA
75-00-3	Chloroethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00	07/18/2023 16:15 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	SMA
67-66-3	Chloroform	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00	07/18/2023 16:15 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	SMA
74-87-3	Chloromethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00	07/18/2023 16:15 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00	07/18/2023 16:15 CTDOH-PH-0723,NELAC-NY10854,NJDEP	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00	07/18/2023 16:15 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	SMA
124-48-1	Dibromochloromethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00	07/18/2023 16:15 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	SMA
100-41-4	Ethyl Benzene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00	07/18/2023 16:15 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	SMA
1634-04-4	* Methyl tert-butyl ether (MTBE)	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00	07/18/2023 16:15	SMA
75-09-2	Methylene chloride	ND		ug/L	10	1	EPA 624.1 Certifications:	07/18/2023 09:00	07/18/2023 16:15 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	SMA
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00	07/18/2023 16:15 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	SMA
108-88-3	Toluene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00	07/18/2023 16:15 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00	07/18/2023 16:15 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00	07/18/2023 16:15 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	SMA
79-01-6	Trichloroethylene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00	07/18/2023 16:15 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00	07/18/2023 16:15 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	SMA
75-01-4	Vinyl Chloride	ND		ug/L	5.0	1	EPA 624.1 Certifications:	07/18/2023 09:00	07/18/2023 16:15 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	SMA

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*78-126*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.7 %*	*84-117*

Sample Information

Client Sample ID: SB00001735 **York Sample ID:** 23G0570-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23G0570	X53289-13/34083	Water	July 10, 2023 11:15 am	07/12/2023

Volatile Organics, 624 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*			*71-130*					

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23G0570-01	SB00001735	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average RF or >20% Drift for quadratic fit).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon current NELAC/TNI Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCBs value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Appendix E

Landfill Gas Sampling

enalytic
Analytical Testing Laboratory

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

Logged By:	**Brian Nichols**
Temperature (°F)/Weather:	**67 deg.**
Instrument Model: Gas Detector Model: FD-90E	

Date	Gas Monitoring Vent Location	Gas Reading (PPM)	Comments
7/11/2023	GV-1	> 10,000	
7/11/2023	GV-2	ND	
7/11/2023	GV-3	ND	
7/11/2023	GV-4	ND	
7/11/2023	GV-5	ND	
7/11/2023	GV-6	7,685	
7/11/2023	GV-7	2,728	
7/11/2023	GV-8	ND	
7/11/2023	GV-9	> 10,000	
7/11/2023	GV-10	ND	
7/11/2023	GV-11	> 10,000	
7/11/2023	GV-12	870	
7/11/2023	GV-13	ND	
7/11/2023	GV-14	> 10,000	
7/11/2023	GV-15	> 10,000	
7/11/2023	GV-16	ND	
7/11/2023	GV-17	ND	
7/11/2023	GV-18	> 10,000	
7/11/2023	GV-19	ND	
7/11/2023	GV-20	ND	
7/11/2023	GV-21	ND	
7/11/2023	GV-22	ND	
7/11/2023	GV-23	549	
7/11/2023	GV-24	> 10,000	
7/11/2023	GV-25	ND	
7/11/2023	GV-26	ND	
7/11/2023	GV-27	694	
7/11/2023	GV-28	ND	
7/11/2023	GV-29	ND	
7/11/2023	GV-30	ND	

Notes: ND = Not Detected

enalytic
Analytical Testing Laboratory

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

Logged By:	Brian Nichols
Temperature (°F)/Weather:	67 deg.
Instrument Model: Gas Detector Model: FD-90E	

Date	Gas Monitoring Point Location	Gas Reading (PPM)	Comments
7/11/2023	GP-1	ND	
7/11/2023	GP-2	ND	
7/11/2023	GP-3	ND	
7/11/2023	GP-4	ND	
7/11/2023	GP-5	ND	
7/11/2023	GP-6	ND	
7/11/2023	GP-7	ND	
7/11/2023	GP-8	ND	
7/11/2023	GP-9	ND	
7/11/2023	GP-10	ND	
7/11/2023	GP-11	ND	
7/11/2023	GP-12	ND	
7/11/2023	GP-13	ND	
7/11/2023	GP-14	ND	
7/11/2023	GP-15	ND	
7/11/2023	GP-16	ND	
7/11/2023	GP-17	ND	
7/11/2023	GP-18	ND	
7/11/2023	GP-19	ND	
7/11/2023	GP-20	ND	
7/11/2023	GP-21	ND	
7/11/2023	GP-22	ND	
7/11/2023	GP-23	ND	
7/11/2023	GP-24	ND	
7/11/2023	GP-25	ND	
7/11/2023	GP-26	ND	
7/11/2023	GP-27	ND	
7/11/2023	GP-28	ND	
7/11/2023	GP-29	ND	
7/11/2023	GP-30	ND	
7/11/2023	GP-31	ND	
7/11/2023	GP-32	ND	
7/11/2023	GP-33	ND	
7/11/2023	GP-34	ND	
7/11/2023	GP-35	ND	
7/11/2023	GP-36	ND	
7/11/2023	GP-37	ND	
7/11/2023	GP-38	ND	
7/11/2023	GP-39	ND	
7/11/2023	GP-40	ND	

Notes: ND = Not Detected