



Town of Van Buren

Kingdom Road Landfill (Closed)

Environmental Monitoring Report

2021 Second Quarter

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

Sample Collection Information

Sampling Firm: Enalytic, LLC

Sampling Date(s): June 22 & 23, 2021

Sampling Locations: (See Appendix A)

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

Sample Testing

Laboratory: Pace Analytical Services. Inc.

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

2013 Parameters Tested:

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

Annual Sampling Schedule:

Year	1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter
2021	-	R	-	_*
2022	-	_*	-	R
2023	-	B	-	_*
2024	-	_*	-	R
2025	-	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 2021 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 2021, and Pace Analytical Services. Inc was responsible for the laboratory analyses of these samples.

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

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

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

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

Two monitoring wells (MW-6S and MW-9S) were found to have turbidity over 50 NTU. Therefore, analysis of dissolved metals was performed.

Groundwater (Overburden)

The 2021 groundwater quality results for the overburden deposits at the Town of Van Buren Landfill are summarized in the tables included in Appendix C. 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 2021 sampling event. As discussed below, the overburden groundwater quality results for the second quarter 2021 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 2021 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 2021 groundwater quality results for the bedrock unit are summarized in the tables contained in Appendix C. The tables in Appendix C 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 2021 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 and sodium. Monitoring well 6D also had an exceedance in magnesium.

The bedrock groundwater quality concentrations reported for the 2021 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 2021 and therefore no samples were collected. The previously analyzed samples collected from the leachate seep locations revealed only slight 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 Analytic 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 taken 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. All three residences have seen decreases in sulfate over the last several sampling times after an uptick during sampling in 2011-2015. The water treatment systems at all three residences were replaced in April 2017 due to the age of the prior systems and frequency of maintenance required.

Quality Control

Duplicate Sample Comparison

Precision and accuracy are measurements of reproducibility and the degree to which data approximate true values. Defining acceptance limits for QC measurements associated with all reported data controls these data qualities. The 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:

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

RPD = Relative Percent Difference

D = Difference between 2 measurements

M = mean of 2 measurements

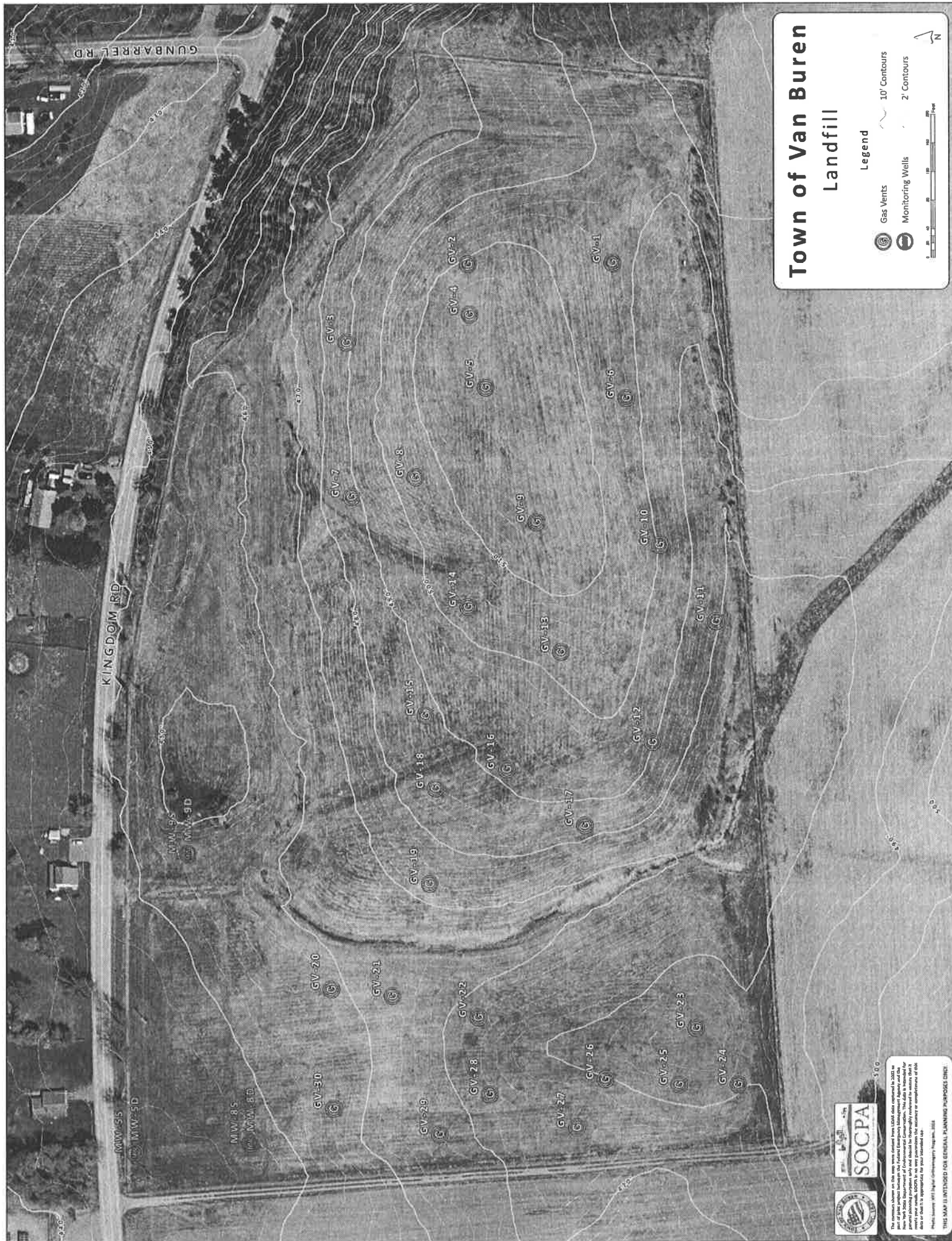
The number of RPD discrepancies has improved compared to previous comparisons since the laboratory reviewed field collection procedures. The RPD exceeded the 20% threshold for Chloride, COD, TOC, and Turbidity.

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

PARAMETER	6 NYCRR PART 703 STANDARD OR [GUIDANCE VALUE]	MONITORING WELL LOCATIONS									
		OVERBURDEN					BEDROCK				
		MW-5S	MW-6S	MW-8S	MW-9S	MW-5D	MW-6D	MW-8D	MW-9D		
		Fourth Quarter	Fourth Quarter	Fourth Quarter	Fourth Quarter	Fourth Quarter	Fourth Quarter	Fourth Quarter	Fourth Quarter	Fourth Quarter	Fourth Quarter
Ammonia- Nitrogen	2.0 mg/L	---	---	---	---	4.1	---	3.4	5		
Sulfate	250 mg/L	---	---	---	---	1440	---	3280	---		
Total Dissolved Solids	500 mg/L	466	504	---	---	1720	522	1350	2340		
Turbidity	5 NTU	27	100	20	340	20	26	35	13		
Iron- T -D	0.3 mg/L	1.0	0.9	---	4.7	3.0	0.6	1.9	2.2		
Magnesium - T -D	[35] mg/L	---	55	---	57	---	44	---	---		
Manganese - T -D	0.3 mg/L	0.7	---	1.2	0.4	---	---	---	---		
Sodium - T -D	20 mg/L	---	---	---	30	60	---	46	98		

Appendix A

Landfill Map



Town of Van Buren Landfill

Legend

- Gas Vents
- Monitoring Wells
- 10' Contours
- 2' Contours



The contents of this map were obtained from SOCPA data collected in 2005 as part of a joint project between the United States Environmental Protection Agency and the State of Michigan. SOCPA is a voluntary program that provides information on the potential for organic carbon pollution from landfills. SOCPA is not a guarantee of accuracy or completeness of data.

THIS MAP IS INTENDED FOR GENERAL PLANNING PURPOSES ONLY.

Appendix B

Field Data

Enalytic LLC

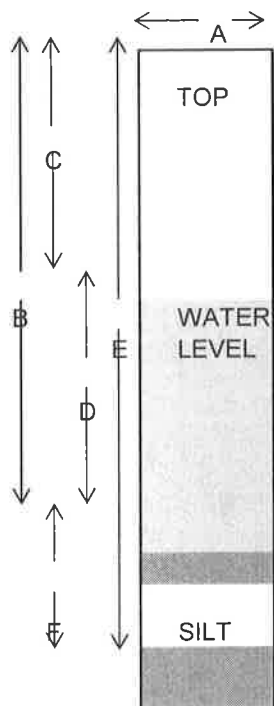
Ground water Field Log

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	<u>2"</u>	inches
B.	Well Depth Measured	<u>40.00</u>	feet
C.	Depth to Water (TOC)	<u>31.76</u>	feet
D.	Length of Water Column (calc.)	<u>8.24</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>1.32</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>3.96</u>	gallons
	Actual Volume Evacuated	<u>2</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Evacuation

Final Sampling

Date	<u>6/22/2021</u>	<u>6/23/2021</u>
Time	<u>1250</u>	<u>835</u>
ORP	<u>-119.9</u>	<u>-118.2</u>
Temperature	<u>12.1</u>	<u>13</u>
pH	<u>8.45</u>	<u>8.24</u>
Specific Cond.	<u>785</u>	<u>824</u>
Turbidity (NTU)	<u>27</u>	<u>11</u>
Dissolved Oxygen	<u>4.49</u>	<u>4.79</u>
Appearance	<u>Cloudy, red tint</u>	<u>Clear to turbid, no odors</u>

% Recharge:

Initial Depth to Water 31.76 feet
 Recharge Depth to Water 31.77 feet
 2nd water column height 100 %
 1st water column height

Sampler: Brian Nichols
Moriah Nichols
Natalia Bayron
 Signature: Brian Nichols
Moriah Nichols
Natalia Bayron

Weather: Cloudy, 61 deg. Sunny, 65 deg.
 Observations:

Over 50 NYU. Added bottle for dissolved metals.

Y ☐ N ☒

Enalytic LLC

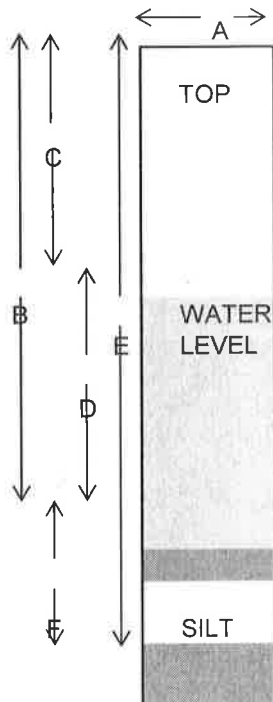
Ground water Field Log

File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-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) 33.55 feet
 D. Length of Water Column (calculated) 41.95 feet
 Conversion Factor X .16 -----
 Well Volume (calculated) 6.71 gallons
 No. of Volumes to be Evacuated X 3 -----
 Total Volume to be Evacuated 20.14 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 Evacuation

Final Sampling

Date	<u>6/22/2021</u>	<u>6/23/2021</u>
Time	<u>1240</u>	<u>840</u>
ORP	<u>-125.8</u>	<u>-125.3</u>
Temperature	<u>13.5</u>	<u>12.6</u>
pH	<u>8.40</u>	<u>8.39</u>
Specific Cond.	<u>2,120</u>	<u>2,122</u>
Turbidity (NTU)	<u>18</u>	<u>9.5</u>
Dissolved Oxygen	<u>36.7</u>	<u>4.77</u>
Appearance	<u>Clear, yellow tint</u>	<u>Clear, no odors</u>

% Recharge:

Initial Depth to Water 33.55 feet
 Recharge Depth to Water 33.59 feet
 2nd water column height 100 %
 1st water column height

Sampler: Brian Nichols
Moriah Nichols
Natalia Bayron

Signature: Brian Nichols
Moriah Nichols
Natalia Bayron

Weather: Cloudy, 61 deg. Sunny, 65 deg.
 Observations: Performed MS/MSD

Over 50 NYU. Added bottle for dissolved metals.

Y ☐ N ☒

Enalytic LLC

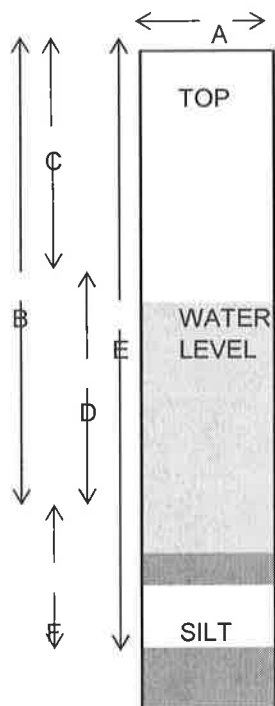
Ground water Field Log

File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-6S

LAB ID No. (enter by lab)

Condition of Well: Good Locked: No
 Method of Evacuation: HDPE Bailer (New) Lock ID: None
 Method of Sampling: HDPE Bailer (New)



A. Diameter of Well 2" inches
 B. Well Depth Measured 19.61 feet
 C. Depth to Water (TOC) 11.03 feet
 D. Length of Water Column (calculated) 8.58 feet
 Conversion Factor X .16 -----
 Well Volume (calculated) 1.37 gallons
 No. of Volumes to be Evacuated X 3 -----
 Total Volume to be Evacuated 4.12 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 Evacuation

Final Sampling

Field Measurements	Initial Evacuation	Final Sampling
Date	6/22/2021	6/23/2021
Time	1415	940
ORP	-141.2	-153
Temperature	14.4	15.2
pH	8.70	8.96
Specific Cond.	673	687
Turbidity (NTU)	14	90
Dissolved Oxygen	4.44	4.61
Appearance	Clear, no odors	Cloudy, no odors

% Recharge:

Initial Depth to Water 11.03 feet
 Recharge Depth to Water 11.1 feet
 2nd water column height 99 %
 1st water column height

Sampler: Brian Nichols
Moriah Nichols
Natalia Bayron
 Signature: Brian Nichols
Moriah Nichols
Natalia Bayron

Weather: Cloudy, 61 deg. | Sunny, 65 deg.
 Observations:

Over 50 NYU. Added bottle for dissolved metals.

Y ☒ N ☐

Enalytic LLC

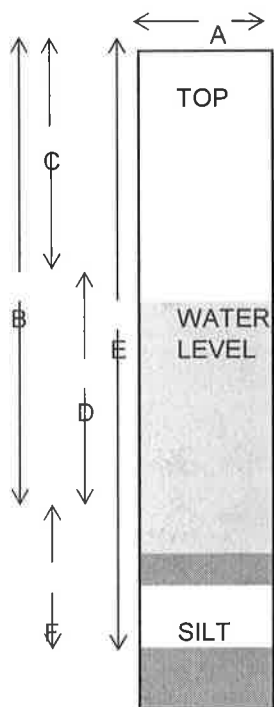
Ground water Field Log

File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-6D

LAB ID No. (enter by lab)

Condition of Well: Good Locked: No
 Method of Evacuation: HDPE Bailer (New) Lock ID: None
 Method of Sampling: HDPE Bailer (New)



A. Diameter of Well 2" inches
 B. Well Depth Measured 62.60 feet
 C. Depth to Water (TOC) 20.2 feet
 D. Length of Water Column (calculated) 42.4 feet
 Conversion Factor X .16 -----
 Well Volume (calculated) 6.78 gallons
 No. of Volumes to be Evacuated X 3 -----
 Total Volume to be Evacuated 20.35 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 Evacuation

Final Sampling

Date	<u>6/22/2021</u>	<u>6/23/2021</u>
Time	<u>1420</u>	<u>945</u>
ORP	<u>-158.3</u>	<u>-156.5</u>
Temperature	<u>13.6</u>	<u>17.4</u>
pH	<u>9.06</u>	<u>8.98</u>
Specific Cond.	<u>665</u>	<u>711</u>
Turbidity (NTU)	<u>26</u>	<u>16</u>
Dissolved Oxygen	<u>4.67</u>	<u>4.22</u>
Appearance	<u>Clear, no odors</u>	<u>Sl. Cloudy, no odors</u>

% Recharge:

Initial Depth to Water 20.20 feet
 Recharge Depth to Water 20.32 feet
 2nd water column height 99 %
 1st water column height

Sampler: Brian Nichols
Moriah Nichols
Natalia Bayron
 Signature: Brian Nichols
Moriah Nichols
Natalia Bayron

Weather: Cloudy, 61 deg. | Sunny, 65 deg.
 Observations:

Over 50 NYU. Added bottle for dissolved metals.

Y ☐ N ☒

Enalytic LLC

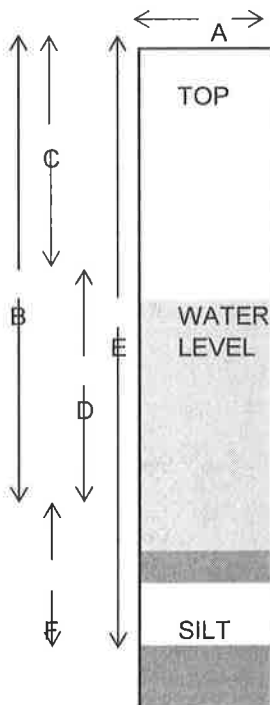
Ground water Field Log

File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren
 Project: 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) 34.14 feet
 D. Length of Water Column (calculated) 5.46 feet
 Conversion Factor X .16 -----
 Well Volume (calculated) 0.87 gallons
 No. of Volumes to be Evacuated X 3 -----
 Total Volume to be Evacuated 2.62 gallons
 Actual Volume Evacuated 1.5 gallons
 E. Installed Well Depth (if known) N/A feet
 F. Depth of Silt (calculated) N/A feet

Field Measurements

Initial Evacuation

Final Sampling

	Initial Evacuation	Final Sampling
Date	<u>6/22/2021</u>	<u>6/23/2021</u>
Time	<u>1230</u>	<u>820</u>
ORP	<u>-105</u>	<u>-118.4</u>
Temperature	<u>14.2</u>	<u>13.1</u>
pH	<u>7.99</u>	<u>8.28</u>
Specific Cond.	<u>719</u>	<u>762</u>
Turbidity (NTU)	<u>2.8</u>	<u>20</u>
Dissolved Oxygen	<u>3.68</u>	<u>4.86</u>
Appearance	<u>Clear, no odors</u>	<u>Sl. Cloudy, pink tint</u>

% Recharge:

Initial Depth to Water 34.14 feet
 Recharge Depth to Water 34.16 feet
 2nd water column height 100 %
 1st water column height

Sampler: Brian Nichols
Moriah Nichols
Natalia Bayron
 Signature: Brian Nichols
Moriah Nichols
Natalia Bayron

Weather: Cloudy, 61 deg. Sunny, 65 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-8D

Condition of Well:

Good

Locked:

No

Method of Evacuation:

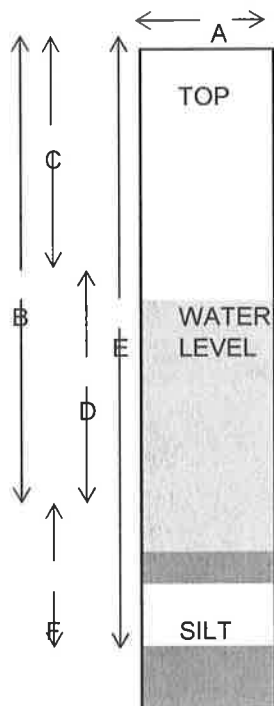
HDPE Bailer (New)

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)	38.75	feet
D.	Length of Water Column (calculated)	55.65	feet
	Conversion Factor	X .16	-----
	Well Volume (calculated)	8.90	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	26.71	gallons
	Actual Volume Evacuated	20	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated)	N/A	feet

Field Measurements

Initial Evacuation

Final Sampling

Date	6/22/2021	6/23/2021
Time	1220	810
ORP	-113.2	-122.6
Temperature	18.6	11.7
pH	8.16	8.34
Specific Cond.	1744	1776
Turbidity (NTU)	38	15
Dissolved Oxygen	3.63	4.7
Appearance	Sl. Cloudy, no odors	Sl. Cloudy, no odors

% Recharge:

Initial Depth to Water	38.75	feet
Recharge Depth to Water	38.78	feet
2nd water column height	100	%
1st water column height		

Sampler: Brian Nichols
Moriah Nichols
Natalia Bayron

Signature: *Brian Nichols*
Moriah Nichols
Natalia Bayron

Weather:

Cloudy, 61 deg.

Sunny, 65 deg.

Observations:

Over 50 NYU. Added bottle for dissolved metals.

Y



N



Enalytic LLC

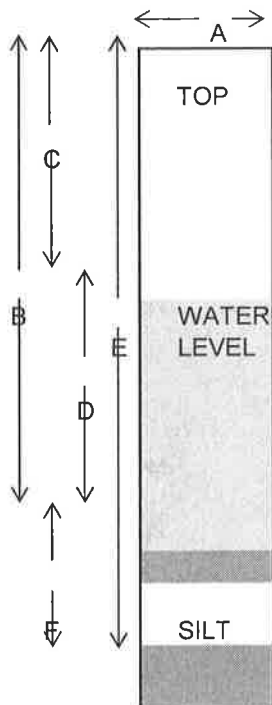
Ground water Field Log

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	<u>2"</u>	inches
B.	Well Depth Measured	<u>40.40</u>	feet
C.	Depth to Water (TOC)	<u>32.17</u>	feet
D.	Length of Water Column (calc.)	<u>8.23</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>1.32</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>3.95</u>	gallons
	Actual Volume Evacuated	<u>2</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>6/22/2021</u>	<u>6/23/2021</u>
Time	<u>1323</u>	<u>905</u>
ORP	<u>-142.1</u>	<u>-155.3</u>
Temperature	<u>11.6</u>	<u>13.3</u>
pH	<u>8.75</u>	<u>8.98</u>
Specific Cond.	<u>887</u>	<u>795</u>
Turbidity (NTU)	<u>340</u>	<u>Over Limit</u>
Dissolved Oxygen	<u>3.63</u>	<u>5.37</u>
Appearance	<u>Turbid, brown, no odors</u>	<u>Turbid, red/brown tint</u>

% Recharge:

Initial Depth to Water 32.17 feet
 Recharge Depth to Water 34.82 feet
 2nd water column height 92 %
 1st water column height

Sampler: Brian Nichols
Moriah Nichols
Natalia Bayron
 Signature: Brian Nichols
Moriah Nichols
Natalia Bayron

Weather: Cloudy, 61 deg. Sunny, 65 deg.
 Observations:

Over 50 NYU. Added bottle for dissolved metals.

Y ☒ N ☐

Enalytic LLC

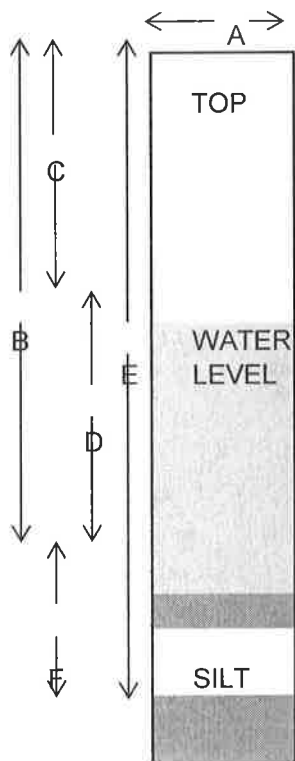
Ground water Field Log

File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-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	<u>2"</u>	inches
B.	Well Depth Measured	<u>96.20</u>	feet
C.	Depth to Water (TOC)	<u>38.84</u>	feet
D.	Length of Water Column (calculated)	<u>57.36</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>9.18</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>27.53</u>	gallons
	Actual Volume Evacuated	<u>20</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Evacuation

Final Sampling

Date	<u>6/22/2021</u>	<u>6/23/2021</u>
Time	<u>1318</u>	<u>910</u>
ORP	<u>-135.6</u>	<u>-129.9</u>
Temperature	<u>13.8</u>	<u>12.2</u>
pH	<u>8.55</u>	<u>8.51</u>
Specific Cond.	<u>2,370</u>	<u>2,740</u>
Turbidity (NTU)	<u>4.4</u>	<u>13</u>
Dissolved Oxygen	<u>3.98</u>	<u>4.41</u>
Appearance	<u>Clear, no odors</u>	<u>Clear, no odors</u>

% Recharge:

Initial Depth to Water	<u>38.84</u>	feet
Recharge Depth to Water	<u>38.90</u>	feet
2nd water column height	<u>100</u>	%
1st water column height		

Sampler: Brian Nichols
Moriah Nichols
Natalia Bayron
 Signature: Brian Nichols
Moriah Nichols
Natalia Bayron

Weather: Cloudy, 61 deg. | Sunny, 65 deg.
 Observations: Performed MW-X (DUPE) on MW-9D @ 912

Over 50 NYU. Added bottle for dissolved metals.

Y ☐ N ☒

Analytic, LLC

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

Tap Water / Surface Water / Wastewater Field Log**Client:** Town of Van Buren**Sampler (print):** Brian Nichols**Project:** Landfill Residents**Signature:** Brian Nichols**Date:** June 22, 2021**Location** RW--A (Miller)

EH -87.5 mv
TEMPERATURE 19.2 C
PH 7.62 STD.UNITS
SPEC. COND. 144.8 UMHOS/CM
TURBIDITY 0.95 NTU
DIS.OXYGEN 3.26 MG/L

TIME SAMPLED 15:45 Lab ID **WEATHER CONDITION:** Cloudy, 66 deg.**APPEARANCE / OBSERVATIONS:** Clear, no odorsSample collected from the Kitchen Sink RO Tap.Influent sample @ 1556**Location** RW-B (Nolan)

EH -71.5
TEMPERATURE 24.9 C
PH 7.38 STD.UNITS
SPEC. COND. 65.2 UMHOS/CM
TURBIDITY 1.2 NTU
DIS.OXYGEN 4.38 MG/L

TIME SAMPLED 16:15 Lab ID **WEATHER CONDITION:** Cloudy, 66 deg.**APPEARANCE / OBSERVATIONS:** Clear, no odorsSample collected from the Kitchen Sink RO Tap.**Location** RW-C (Davis)

EH -136.6
TEMPERATURE 17.1 C
PH 8.66 STD.UNITS
SPEC. COND. 177.3 UMHOS/CM
TURBIDITY 1.2 NTU
DIS.OXYGEN 3.37 MG/L

TIME SAMPLED 15:00 Lab ID **WEATHER CONDITION:** Cloudy, 66 deg.**APPEARANCE / OBSERVATIONS:** Clear, no odorsSample collected from the Kitchen Sink RO Tap.**Location**

FLOW
TEMPERATURE C OR F
PH STD.UNITS
SPEC. COND. UMHOS/CM
TURBIDITY NTU
DIS.OXYGEN MG/L

TIME SAMPLED Lab ID **WEATHER CONDITION:** **APPEARANCE / OBSERVATIONS**

Appendix C

Historical Spreadsheets

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

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	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

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-55										
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	—

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-55												
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	—	—	—	0.41	—	—	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	

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-55											
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	—	—	—	—

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-55											
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	—	—	—	—	—	—	—	—	—	—	—

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	—	—	—	—	—	—	—	—	—	—	—

ONONDAGA COUNTY WATER QUALITY TEST DATA				
ORGANIC PARAMETERS (DETECTED)				
GROUND WATER		Dichlorodifluoro- methane (ug/l)	Chloromethane (ug/L)	TOTAL COMPOUNDS
6NYCRR Part 703 GROUNDWATER STANDARD				
	ANALYSIS METHOD	5	5	
MW-55	Method			
29-Mar-96	—	—	—	—
20-Jun-96	(EPA 601/602)	6	< 1	6
5-Sep-96	—	—	—	—
12-Dec-96	—	—	—	—
28-Mar-97	—	—	—	—
3-Jun-97	—	—	—	—
30-Sep-97	(EPA 601/602)	< 1	< 1	0
9-Dec-97	—	—	—	—
30-Mar-98	—	—	—	—
22-Oct-98	(EPA 601/602)	< 1	< 1	0
10-Jun-99	(EPA 601/602)	< 1	< 1	0
7-Oct-99	—	—	—	—
11-May-00	—	—	—	—
19-Oct-00	(EPA 601/602)	< 1	< 1	0
6-Jun-01	(EPA 601/602)	< 1	2	2
12-Nov-01	—	—	—	—
31-May-02	—	—	—	—
21-Nov-02	(EPA 601/602)	< 1	< 1	0
16-May-03	(EPA 601/602)	< 1	< 1	0
18-Dec-03	—	—	—	—
27-May-04	—	—	—	—
14-Dec-04	—	—	—	—
11-May-05	(EPA 601/602)	< 1	< 1	0
17-Nov-05	—	—	—	—
29-Dec-06	(EPA 601/602)	< 1	< 1	0
27-Jun-07	—	—	—	—
31-Oct-08	(EPA 601/602)	<1	< 1	0
1-Jun-09	—	—	—	—
10-Oct-10	—	—	—	—
15-Feb-11	—	—	—	—
30-Jun-11	—	—	—	—
20-Dec-12	—	—	—	—
6-Jun-13	—	—	—	—
28-Oct-14	—	—	—	—
6-May-15	—	—	—	—
1-Nov-16	—	—	—	—
15-Jun-17	—	—	—	—
9-Oct-18	—	—	—	—
12-Jun-19	—	—	—	—
3-Dec-20	—	—	—	—
23-Jun-21	—	—	—	—

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

	FIELD PARAMETERS				INORGANIC PARAMETERS					
	TEMP.	Eh	pH	SPEC. COND			HARD.			
GROUND WATER	(deg.F)	(mv)	(std.Units)	(Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	(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

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	—

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

GROUND WATER	TOTAL METALS										
	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	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	< 0.3	< 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

VAN BUREN LANDFILL (CLOSED) ONONDAGA COUNTY WATER QUALITY TEST DATA											
GROUND WATER	TOTAL METALS										
	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	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	—	—	—	—

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

GROUND WATER	TOTAL METALS										
	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	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	—	—	—	—	—	—	—	—	—	—	—

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

GROUND WATER	TOTAL METALS										
	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	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	—	—	—	—	—	—	—	—	—	—	—

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

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

	FIELD PARAMETERS				INORGANIC PARAMETERS					
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	HARD. (mg/l CaCO ₃)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	—	—	6.5-8.5	—	15	5	—	—	500	250
MW-6S										
29-Mar-96	48	80	7.3	700	—	12	330	320	380	10
20-Jun-96	55	235	7.4	620	21	36	210	320	410	10
5-Sep-96	59	1115	7.6	580	—	19	320	390	490	8
12-Dec-96	46	90	7.4	500	—	29	300	290	350	8
28-Mar-97	52	255	7.6	490	—	48	330	340	410	10
3-Jun-97	50	245	7.3	640	—	58	320	360	380	11
29-Sep-97	55	80	7.5	660	16	80	270	280	350	7
9-Dec-97	46	150	7.6	680	—	21	390	320	420	6
30-Mar-98	54	75	7.7	440	—	20	300	260	380	9
22-Oct-98	54	200	7.2	660	8	38	310	320	420	7
10-Jun-99	54	240	7.4	570	7	65	310	310	320	8
7-Oct-99	DRY	—	—	—	—	—	—	—	—	—
11-May-00	50	95	9	760	—	27	310	280	380	8
19-Oct-00	54	75	7.9	465	60	41	330	350	360	6
6-Jun-01	57	-92	8.1	460	25	14	290	300	660	8
12-Nov-01	49	-74	8.1	510	—	33	300	—	600	4
31-May-02	57	-60	7.7	507	—	25	320	300	320	11
21-Nov-02	53	-52	7.4	478	8	50	330	270	320	7
16-May-03	55	-58	7.9	494	6	10	320	380	370	11
18-Dec-03	46	-84	8.5	406	—	3	330	330	440	7
27-May-04	53	-58	7.5	645	—	1	310	310	367	11
14-Dec-04	48	-30	7.9	584	—	3	420	310	472	15
11-May-05	50	-35	7.5	635	10	8	320	270	322	12
17-Nov-05	51	-40	7.3	626	—	2	260	320	492	9
29-Dec-06	42	166	7.4	628	7	12	300	300	480	11
27-Jun-07	53	-150	8.7	373	—	20	310	350	388	11
31-Oct-08	55	-24	7.4	554	8	9	300	390	400	7
1-Jun-09	48	161	7.7	339	—	10	300	370	380	7
20-Oct-10	57	107	7.85	612	—	6	310	370	400	27
30-Jun-11	52	104	7.7	625	—	41.5	320	390	480	4
20-Dec-12	DRY	—	—	—	—	—	—	—	—	—
4-Jun-13	53	225	7.8	661	—	4	312	145	428	5.5
28-Oct-14	DRY	—	—	—	—	—	—	—	—	—
6-May-15	52	126	7.7	636	—	25	313	1100	422	7
2-Nov-16	DRY	—	—	—	—	—	—	—	—	—
15-Jun-17	64	47	7.6	604	—	73	291	440	401	8
9-Oct-18	60	-12	7.5	663	—	77	321	400	366	12
19-Jun-19	59	-23	7.4	679	—	19	344	350	336	12
3-Dec-20	50	-159	7.5	638	10	45	438	—	374	8
23-Jun-21	58	-141	9.0	687	—	100	370	440	504	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	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	—

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

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

TOTAL METALS											
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
MW-6S											
29-Mar-96	0.004	43	< 0.02	< 0.0004	—	0.9	2.7	—	—	—	—
20-Jun-96	0.002	44	0.02	< 0.0004	< 0.03	0.8	2.1	0.001	< 0.05	< 0.003	0.01
5-Sep-96	0.003	56	0.04	< 0.0004	—	1.2	4.2	—	—	—	—
12-Dec-96	0.001	42	< 0.02	< 0.0004	—	1.3	4.5	—	—	—	—
28-Mar-97	0.002	47	< 0.02	< 0.0004	—	1	4.7	—	—	—	—
3-Jun-97	0.01	50	0.07	< 0.0004	—	1.1	4.1	—	—	—	—
30-Sep-97	0.003	42	0.04	< 0.0004	< 0.03	1.7	5.7	< 0.001	< 0.05	< 0.003	0.08
9-Dec-97	0.002	45	< 0.02	< 0.0004	—	2.1	4.8	—	—	—	—
30-Mar-98	0.015	29	0.03	< 0.0004	—	1.5	5.1	—	—	—	—
22-Oct-98	0.003	49	0.04	< 0.0004	0.03	3.3	6.3	< 0.001	< 0.05	< 0.003	0.03
10-Jun-99	0.002	42	0.09	< 0.0004	< 0.03	1.9	6.1	< 0.001	< 0.05	< 0.003	0.04
7-Oct-99	DRY	—	—	—	—	—	—	—	—	—	—
11-May-00	0.002	39	< 0.02	—	—	3.8	7.2	—	—	—	—
19-Oct-00	0.004	51	0.04	< 0.0004	0.05	2.3	6	< 0.001	< 0.05	0.015	0.03
6-Jun-01	< 0.001	41	< 0.02	< 0.0004	< 0.03	3.2	6.6	< 0.001	< 0.05	< 0.003	0.01
12-Nov-01	0.004	50	0.2	< 0.0004	—	4.5	7.3	—	—	—	—
31-May-02	< 0.001	42	0.2	< 0.0004	—	1.2	5.5	—	—	—	—
21-Nov-02	< 0.001	41	< 0.02	< 0.0004	< 0.03	2.3	5.9	< 0.005	< 0.05	< 0.003	0.03
16-May-03	0.002	50	< 0.02	< 0.0004	0.06	2.1	5.5	< 0.005	< 0.05	< 0.003	0.07
18-Dec-03	0.001	50	0.03	< 0.0004	—	2.1	5.5	—	—	—	—
27-May-04	0.003	41	< 0.02	< 0.0004	—	1.2	5.3	—	—	—	—
14-Dec-04	0.001	46	< 0.02	< 0.0004	—	1.3	4.2	—	—	—	—
11-May-05	< 0.001	38	< 0.02	< 0.0004	< 0.03	1.1	2.9	< 0.005	< 0.05	< 0.003	< 0.01
17-Nov-05	< 0.001	49	0.14	< 0.0004	—	2.4	3.8	—	—	—	—
29-Dec-06	< 0.003	42	0.04	< 0.0004	< 0.03	0.8	2.8	< 0.005	< 0.05	< 0.005	0.29
27-Jun-07	< 0.001	48	< 0.02	< 0.0004	—	1.3	3.2	—	—	—	—
31-Oct-08	< 0.003	64	0.04	< 0.0004	< 0.03	1.9	4.7	< 0.005	< 0.05	< 0.003	< 0.01
1-Jun-09	< 0.003	50	< 0.02	—	—	1.3	5.8	—	—	—	—
20-Oct-10	—	57	—	—	—	2.0	4.8	—	—	—	—
30-Jun-11	—	55	—	—	—	1.4	3.3	—	—	—	—
20-Dec-12	DRY	—	—	—	—	—	—	—	—	—	—
4-Jun-13	< 0.02	48	< 0.01	—	—	1.1	4	—	—	—	—
28-Oct-14	DRY	—	—	—	—	—	—	—	—	—	—
6-May-15	< 0.02	94.5	—	—	—	< 0.5	5.4	—	—	—	—
2-Nov-16	DRY	—	—	—	—	—	—	—	—	—	—
15-Jun-17	0.007	61.6	0.18	—	—	< 5	< 0.5	—	—	—	—
9-Oct-18	< 0.005	61.5	0.27	—	—	< 5	5.5	—	—	—	—
19-Jun-19	< 0.005	57	0.23	—	—	< 5	7.4	—	—	—	—
3-Dec-20	< 0.005	57	0.05	—	< 0.04	< 5	5.5	< 0.01	< 0.01	< 0.01	< 0.02
23-Jun-21	< 0.005	55	0.16	—	—	< 5	7.6	—	—	—	—

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

GROUND WATER	TOTAL METALS										
	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	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

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

TOTAL METALS											
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
MW-6S											
29-Mar-96	—	—	—	—	—	—	—	—	—	—	—
20-Jun-96	—	—	—	—	—	—	—	—	—	—	—
5-Sep-96	—	—	—	—	—	—	—	—	—	—	—
12-Dec-96	—	—	—	—	—	—	—	—	—	—	—
28-Mar-97	—	—	—	—	—	—	—	—	—	—	—
3-Jun-97	0.002	49	< 0.02	< 0.0004	—	1	2.7	—	—	—	—
30-Sep-97	0.003	48	< 0.02	< 0.0004	< 0.03	1	6.2	< 0.001	< 0.05	< 0.003	0.13
9-Dec-97	—	—	—	—	—	—	—	—	—	—	—
30-Mar-98	—	—	—	—	—	—	—	—	—	—	—
22-Oct-98	—	—	—	—	—	—	—	—	—	—	—
10-Jun-99	—	—	—	—	—	—	—	—	—	—	—
7-Oct-99	DRY	—	—	—	—	—	—	—	—	—	—
11-May-00	—	—	—	—	—	—	—	—	—	—	—
19-Oct-00	—	—	—	—	—	—	—	—	—	—	—
6-Jun-01	—	—	—	—	—	—	—	—	—	—	—
12-Nov-01	—	—	—	—	—	—	—	—	—	—	—
31-May-02	—	—	—	—	—	—	—	—	—	—	—
21-Nov-02	—	—	—	—	—	—	—	—	—	—	—
16-May-03	—	—	—	—	—	—	—	—	—	—	—
18-Dec-03	—	—	—	—	—	—	—	—	—	—	—
27-May-04	—	—	—	—	—	—	—	—	—	—	—
14-Dec-04	—	—	—	—	—	—	—	—	—	—	—
11-May-05	—	—	—	—	—	—	—	—	—	—	—
17-Nov-05	—	—	—	—	—	—	—	—	—	—	—
29-Dec-06	—	—	—	—	—	—	—	—	—	—	—
27-Jun-07	—	—	—	—	—	—	—	—	—	—	—
31-Oct-08	—	—	—	—	—	—	—	—	—	—	—
1-Jun-09	—	—	—	—	—	—	—	—	—	—	—
20-Oct-10	—	—	—	—	—	—	—	—	—	—	—
30-Jun-11	—	—	—	—	—	—	—	—	—	—	—
20-Dec-12	DRY	—	—	—	—	—	—	—	—	—	—
4-Jun-13	—	—	—	—	—	—	—	—	—	—	—
28-Oct-14	DRY	—	—	—	—	—	—	—	—	—	—
6-May-15	—	—	—	—	—	—	—	—	—	—	—
2-Nov-16	DRY	—	—	—	—	—	—	—	—	—	—
15-Jun-17	—	—	—	—	—	—	—	—	—	—	—
9-Oct-18	—	—	—	—	—	—	—	—	—	—	—
19-Jun-19	—	—	—	—	—	—	—	—	—	—	—
3-Dec-20	—	—	—	—	—	—	—	—	—	—	—
23-Jun-21	< 0.005	55	< 0.01	< 0.2	< 0.04	< 5.0	8.8	< 0.01	< 0.01	< 0.01	< 0.02

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

	FIELD PARAMETERS				INORGANIC PARAMETERS					
				SPEC.			HARD.			
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	(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

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	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	—

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

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

GROUND WATER	TOTAL METALS										
	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	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	—	—	—	—

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	—	—	—	—	—	—	—	—	—	—	—	

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	—	—	—	—	—	—	—	—	—	—	—

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

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

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC.	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	HARD.	TDS (mg/l)	Cl (mg/l)
				COND (Us/cm)				(mg/l CaCO ₃)		
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

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	—

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

GROUND WATER	TOTAL METALS										
	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	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

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

GROUND WATER	TOTAL METALS										
	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	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-85											
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	—	—	—	—

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	—	—	—	—	—	—	—	—	—	—	—

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

GROUND WATER	TOTAL METALS										
	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	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	—	—	—	—	—	—	—	—	—	—	—

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

ORGANIC PARAMETERS (DETECTED)

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

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

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	—

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

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	—	—	—	—

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

GROUND WATER	TOTAL METALS										
	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	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	—	—	—	—	—	—	—	—	—	—	—

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	—	—	—	—	—	—	—	—	—	—	—

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

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

	FIELD PARAMETERS				INORGANIC PARAMETERS					
				SPEC.			HARD.			
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	(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

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	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	—

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

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

GROUND WATER	TOTAL METALS										
	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
MW-9S											
29-Mar-96	0.004	41	0.13	< 0.0004	—	1.7	17	—	—	—	—
20-Jun-96	0.003	44	0.15	0.0008	< 0.03	2.1	20	0.002	< 0.05	< 0.003	0.05
5-Sep-96	0.004	52	0.09	< 0.0004	—	2.5	18	—	—	—	—
12-Dec-96	0.003	45	0.17	< 0.0004	—	3.2	19	—	—	—	—
28-Mar-97	0.001	39	0.08	< 0.0004	—	1.6	18	—	—	—	—
3-Jun-97	0.005	46	0.13	< 0.0004	—	1.7	19	—	—	—	—
30-Sep-97	0.003	44	0.09	< 0.0004	< 0.03	1.8	22	< 0.001	< 0.05	< 0.003	< 0.01
9-Dec-97	0.002	37	0.04	< 0.0004	—	2.8	28	—	—	—	—
30-Mar-98	0.007	41	0.09	< 0.0004	—	3.6	22	—	—	—	—
22-Oct-98	< 0.001	49	0.27	< 0.0004	0.07	5.4	20	< 0.001	< 0.05	< 0.003	0.05
10-Jun-99	0.003	43	0.07	< 0.0004	< 0.03	4.6	25	< 0.001	< 0.05	< 0.003	0.05
7-Oct-99	0.009	55	0.09	—	—	3.1	24	—	—	—	—
11-May-00	0.004	47	0.12	—	—	4.2	21	—	—	—	—
19-Oct-00	0.006	48	0.13	< 0.0004	0.05	4.3	22	< 0.001	< 0.05	0.013	0.02
6-Jun-01	0.003	42	0.14	< 0.0004	< 0.03	4.6	21	< 0.001	< 0.05	< 0.003	0.01
12-Nov-01	< 0.001	46	0.11	< 0.0004	—	3.3	21	—	—	—	—
31-May-02	0.002	42	0.1	< 0.0004	—	2.3	19	—	—	—	—
21-Nov-02	0.007	45	0.06	< 0.0004	< 0.03	2.7	19	< 0.005	< 0.05	< 0.003	0.03
16-May-03	0.002	42	0.09	< 0.0004	0.04	1.8	19	< 0.005	< 0.05	< 0.003	0.03
18-Dec-03	< 0.001	36	0.18	< 0.0004	—	2.9	33	—	—	—	—
27-May-04	0.002	26	0.07	< 0.0004	—	1.4	23	—	—	—	—
14-Dec-04	0.002	22	0.19	< 0.0004	—	3	25	—	—	—	—
11-May-05	0.003	40	0.44	< 0.0004	0.05	2.8	22	< 0.005	< 0.05	< 0.003	0.05
17-Nov-05	< 0.001	20	0.48	< 0.0004	—	2.9	23	—	—	—	—
29-Dec-06	< 0.003	23	0.17	< 0.0004	< 0.03	2.4	28	< 0.005	< 0.05	0.006	0.26
27-Jun-07	< 0.001	39	0.08	< 0.0004	—	2.8	27	—	—	—	—
31-Oct-08	0.006	62	0.2	< 0.0004	< 0.03	2.6	36	< 0.005	< 0.05	< 0.003	< 0.01
1-Jun-09	< 0.003	38	0.1	—	—	2.9	27	—	—	—	—
20-Oct-10	—	50	0.21	—	—	3.6	34	—	—	—	—
30-Jun-11	—	40	0.11	—	—	3.6	38	—	—	—	—
26-Oct-12	—	48	0.02	—	—	3.5	34	—	—	—	—
6-Jun-13	< 0.02	45	0.06	—	—	3.1	28	—	—	—	—
28-Oct-14	—	52	0.08	—	—	2.5	32	—	—	—	—
5-May-15	< 0.003	48	0.08	—	—	< 5.0	30	—	—	—	—
2-Nov-16	< 0.005	51	0.17	—	—	< 5.0	30	—	—	—	—
15-Jun-17	< 0.005	52	0.09	—	—	< 5.0	28	—	—	—	—
9-Oct-18	< 0.005	49	0.07	—	—	< 5.0	32	—	—	—	—
19-Jun-19	< 0.005	46	0.12	—	< 0.04	< 5.0	34	—	—	—	< 0.02
3-Dec-20	< 0.005	64	0.63	—	0.06	6.7	33	< 0.01	< 0.01	< 0.01	0.028
3-Jun-21	< 0.005	57	0.37	—	—	< 5.0	30	—	—	—	—

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

GROUND WATER	TOTAL METALS										
	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	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-95											
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

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

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

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

	FIELD PARAMETERS				INORGANIC PARAMETERS					
				SPEC.			HARD.			
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	(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

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	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	—

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

GROUND WATER	TOTAL METALS										
	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	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

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	—	—	—	—

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	—	—	—	—	—	—	—	—	—	—	—

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	—	—	—	—	—	—	—	—	—	—	—

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

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

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 R 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	—

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

GROUND WATER	TOTAL METALS										
	AL	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

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

GROUND WATER	TOTAL METALS										
	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	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	—	—	—	—

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

TOTAL METALS											
GROUND WATER	AL	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	—	—	—	—	—	—	—	—	—	—	—

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)	Ti (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	—	—	—	—	—	—	—	—	—	—	—

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

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	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-8 (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

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 R 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	—

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

GROUND WATER	TOTAL METALS										
	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	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

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

GROUND WATER	TOTAL METALS										
	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
ENVYCR 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	—	—	—	—

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

GROUND WATER	TOTAL METALS										
	AL	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	—	—	—	—	—	—	—	—	—	—	—

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

GROUND WATER	TOTAL METALS										
	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	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	—	—	—	—	—	—	—	—	—	—	—

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

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	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

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	—

ONONDAGA COUNTY
WATER QUALITY TEST DATA

GROUND WATER	TOTAL METALS										
	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	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

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

GROUND WATER	TOTAL METALS										
	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	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	—	—	—	—

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)	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	—	—	—	—	—	—	—	—	—	—	—

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	—	—	—	—	—	—	—	—	—	—	—

Appendix D

Sampling Data



Pace Analytical Services, LLC

575 Broad Hollow Road

Melville, NY 11747

(631)694-3040

CERTIFICATIONS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

Sample: MW-5S		Lab ID: 70178157001	Collected: 06/23/21 08:35	Received: 06/24/21 10:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Cadmium	<2.5	ug/L	2.5	1	07/02/21 07:08	07/08/21 10:49	7440-43-9	
Calcium	132000	ug/L	200	1	07/02/21 07:08	07/08/21 10:49	7440-70-2	
Iron	952	ug/L	20.0	1	07/02/21 07:08	07/08/21 10:49	7439-89-6	
Lead	<5.0	ug/L	5.0	1	07/02/21 07:08	07/08/21 10:49	7439-92-1	
Magnesium	28800	ug/L	200	1	07/02/21 07:08	07/08/21 10:49	7439-95-4	
Manganese	712	ug/L	10.0	1	07/02/21 07:08	07/08/21 10:49	7439-96-5	
Potassium	5060	ug/L	5000	1	07/02/21 07:08	07/08/21 10:49	7440-09-7	
Sodium	7990	ug/L	5000	1	07/02/21 07:08	07/08/21 10:49	7440-23-5	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		06/28/21 14:30	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/28/21 14:30	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/28/21 14:30	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/28/21 14:30	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/28/21 14:30	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/28/21 14:30	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/28/21 14:30	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/28/21 14:30	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/28/21 14:30	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/28/21 14:30	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 14:30	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 14:30	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 14:30	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/28/21 14:30	75-71-8	v3
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 14:30	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 14:30	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 14:30	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 14:30	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 14:30	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/28/21 14:30	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 14:30	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 14:30	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/28/21 14:30	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/28/21 14:30	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/28/21 14:30	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/28/21 14:30	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/28/21 14:30	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 14:30	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 14:30	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/28/21 14:30	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/28/21 14:30	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/28/21 14:30	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/28/21 14:30	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	99	%	69-122	1		06/28/21 14:30	460-00-4	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-5S		Lab ID: 70178157001		Collected: 06/23/21 08:35		Received: 06/24/21 10:50		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Surrogates									
Toluene-d8 (S)		98	%	79-110	1		06/28/21 14:30	2037-26-5	
1,2-Dichloroethane-d4 (S)		103	%	74-119	1		06/28/21 14:30	17060-07-0	
180.1 Turbidity		Analytical Method: EPA 180.1 Pace Analytical Services - Melville							
Turbidity		850	NTU	100	100		06/24/21 14:22		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3		601	mg/L	1.0	1		07/01/21 23:27		
2340C Hardness, Total		Analytical Method: SM22 2340C Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B		360	mg/L	5.0	1		07/02/21 14:42		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids		466	mg/L	20.0	1		06/30/21 12:26		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville							
Chemical Oxygen Demand		<10.0	mg/L	10.0	1	06/28/21 07:54	06/28/21 10:05		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride		13.1	mg/L	2.0	1		07/02/21 02:46	16887-00-6	
Sulfate		11.8	mg/L	5.0	1		07/02/21 02:46	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N		<0.25	mg/L	0.25	5		06/25/21 00:07	14797-55-8	
Nitrate-Nitrite (as N)		<0.25	mg/L	0.25	5		06/25/21 00:07	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N		<0.050	mg/L	0.050	1		06/24/21 21:39	14797-65-0	
Phenolics, Total Recoverable		Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville							
Phenolics, Total Recoverable		5.5	ug/L	5.0	1	07/02/21 09:32	07/02/21 11:48		

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-5S		Lab ID: 70178157001	Collected: 06/23/21 08:35		Received: 06/24/21 10:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville						
Nitrogen, Ammonia	0.90	mg/L	0.10	1		07/02/21 13:10	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A Pace Analytical Services - Melville						
Total Organic Carbon	2.1	mg/L	1.0	1		07/03/21 10:25	7440-44-0	
Total Organic Carbon	2.1	mg/L	1.0	1		07/03/21 10:25	7440-44-0	
Total Organic Carbon	2.3	mg/L	1.0	1		07/03/21 10:25	7440-44-0	
Total Organic Carbon	2.2	mg/L	1.0	1		07/03/21 10:25	7440-44-0	
Mean Total Organic Carbon	2.2	mg/L	1.0	1		07/03/21 10:25	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-5D		Lab ID: 70178157002	Collected: 06/23/21 08:40	Received: 06/24/21 10:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

6010 MET ICP

Analytical Method: EPA 6010C Preparation Method: EPA 3005A

Pace Analytical Services - Melville

Cadmium	<2.5	ug/L	2.5	1	07/02/21 07:08	07/08/21 10:51	7440-43-9	
Calcium	402000	ug/L	200	1	07/02/21 07:08	07/08/21 10:51	7440-70-2	
Iron	2990	ug/L	20.0	1	07/02/21 07:08	07/08/21 10:51	7439-89-6	
Lead	<5.0	ug/L	5.0	1	07/02/21 07:08	07/08/21 10:51	7439-92-1	
Magnesium	18300	ug/L	200	1	07/02/21 07:08	07/08/21 10:51	7439-95-4	
Manganese	74.2	ug/L	10.0	1	07/02/21 07:08	07/08/21 10:51	7439-96-5	
Potassium	52700	ug/L	5000	1	07/02/21 07:08	07/08/21 10:51	7440-09-7	
Sodium	60300	ug/L	5000	1	07/02/21 07:08	07/08/21 10:51	7440-23-5	

624.1 Volatile Organics

Analytical Method: EPA 624.1

Pace Analytical Services - Melville

Benzene	<1.0	ug/L	1.0	1		06/28/21 14:49	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/28/21 14:49	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/28/21 14:49	75-25-2	M1
Bromomethane	<1.0	ug/L	1.0	1		06/28/21 14:49	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/28/21 14:49	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/28/21 14:49	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/28/21 14:49	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/28/21 14:49	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/28/21 14:49	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/28/21 14:49	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 14:49	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 14:49	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 14:49	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/28/21 14:49	75-71-8	v3
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 14:49	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 14:49	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 14:49	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 14:49	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 14:49	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/28/21 14:49	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 14:49	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 14:49	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/28/21 14:49	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/28/21 14:49	75-09-2	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/28/21 14:49	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/28/21 14:49	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/28/21 14:49	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 14:49	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 14:49	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/28/21 14:49	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/28/21 14:49	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/28/21 14:49	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/28/21 14:49	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	100	%	69-122	1		06/28/21 14:49	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-5D		Lab ID: 70178157002		Collected: 06/23/21 08:40		Received: 06/24/21 10:50		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Surrogates									
Toluene-d8 (S)		99	%	79-110	1		06/28/21 14:49	2037-26-5	
1,2-Dichloroethane-d4 (S)		102	%	74-119	1		06/28/21 14:49	17060-07-0	
180.1 Turbidity		Analytical Method: EPA 180.1 Pace Analytical Services - Melville							
Turbidity		20.0	NTU	1.0	1		06/24/21 14:22		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3		144	mg/L	1.0	1		07/01/21 23:37		
2340C Hardness, Total		Analytical Method: SM22 2340C Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B)		1120	mg/L	5.0	1		07/02/21 14:42		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids		1720	mg/L	20.0	1		06/30/21 12:27		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville							
Chemical Oxygen Demand		<10.0	mg/L	10.0	1	06/28/21 07:54	06/28/21 10:06		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride		89.0	mg/L	2.0	1		07/02/21 03:00	16887-00-6	M1
Sulfate		1440	mg/L	1000	200		07/03/21 17:18	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N		<0.25	mg/L	0.25	5		06/25/21 00:08	14797-55-8	
Nitrate-Nitrite (as N)		<0.25	mg/L	0.25	5		06/25/21 00:08	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N		<0.050	mg/L	0.050	1		06/24/21 21:40	14797-65-0	
Phenolics, Total Recoverable		Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville							
Phenolics, Total Recoverable		<5.0	ug/L	5.0	1	07/02/21 09:32	07/02/21 11:49		

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-5D		Lab ID: 70178157002		Collected: 06/23/21 08:40		Received: 06/24/21 10:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H								
	Pace Analytical Services - Melville								
Nitrogen, Ammonia	4.1	mg/L	0.10	1		07/02/21 13:11	7664-41-7		
9060A TOC as NPOC	Analytical Method: EPA 9060A								
	Pace Analytical Services - Melville								
Total Organic Carbon	1.5	mg/L	1.0	1		07/06/21 21:06	7440-44-0	D6	
Total Organic Carbon	1.7	mg/L	1.0	1		07/06/21 21:06	7440-44-0	D6	
Total Organic Carbon	1.7	mg/L	1.0	1		07/06/21 21:06	7440-44-0	D6	
Total Organic Carbon	1.6	mg/L	1.0	1		07/06/21 21:06	7440-44-0	D6	
Mean Total Organic Carbon	1.6	mg/L	1.0	1		07/06/21 21:06	7440-44-0	D6	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-6S		Lab ID: 70178157003	Collected: 06/23/21 09:40	Received: 06/24/21 10:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Cadmium	<2.5	ug/L	2.5	1	07/02/21 07:08	07/08/21 11:03	7440-43-9	
Calcium	74000	ug/L	200	1	07/02/21 07:08	07/08/21 11:03	7440-70-2	
Iron	934	ug/L	20.0	1	07/02/21 07:08	07/08/21 11:03	7439-89-6	
Lead	<5.0	ug/L	5.0	1	07/02/21 07:08	07/08/21 11:03	7439-92-1	
Magnesium	55300	ug/L	200	1	07/02/21 07:08	07/08/21 11:03	7439-95-4	
Manganese	157	ug/L	10.0	1	07/02/21 07:08	07/08/21 11:03	7439-96-5	
Potassium	<5000	ug/L	5000	1	07/02/21 07:08	07/08/21 11:03	7440-09-7	
Sodium	7590	ug/L	5000	1	07/02/21 07:08	07/08/21 11:03	7440-23-5	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010C Pace Analytical Services - Melville						
Aluminum, Dissolved	<200	ug/L	200	1		07/05/21 21:09	7429-90-5	
Antimony, Dissolved	<60.0	ug/L	60.0	1		07/05/21 21:09	7440-36-0	
Arsenic, Dissolved	<10.0	ug/L	10.0	1		07/05/21 21:09	7440-38-2	
Barium, Dissolved	<200	ug/L	200	1		07/05/21 21:09	7440-39-3	
Beryllium, Dissolved	<5.0	ug/L	5.0	1		07/05/21 21:09	7440-41-7	
Boron, Dissolved	<50.0	ug/L	50.0	1		07/05/21 21:09	7440-42-8	
Cadmium, Dissolved	<2.5	ug/L	2.5	1		07/05/21 21:09	7440-43-9	
Calcium, Dissolved	47400	ug/L	200	1		07/05/21 21:09	7440-70-2	
Chromium, Dissolved	<10.0	ug/L	10.0	1		07/05/21 21:09	7440-47-3	
Copper, Dissolved	<25.0	ug/L	25.0	1		07/05/21 21:09	7440-50-8	
Iron, Dissolved	<20.0	ug/L	20.0	1		07/05/21 21:09	7439-89-6	
Lead, Dissolved	<5.0	ug/L	5.0	1		07/05/21 21:09	7439-92-1	
Magnesium, Dissolved	55000	ug/L	200	1		07/05/21 21:09	7439-95-4	
Manganese, Dissolved	<10.0	ug/L	10.0	1		07/05/21 21:09	7439-96-5	
Nickel, Dissolved	<40.0	ug/L	40.0	1		07/05/21 21:09	7440-02-0	
Potassium, Dissolved	<5000	ug/L	5000	1		07/05/21 21:09	7440-09-7	
Selenium, Dissolved	<10.0	ug/L	10.0	1		07/05/21 21:09	7782-49-2	
Silver, Dissolved	<10.0	ug/L	10.0	1		07/05/21 21:09	7440-22-4	
Sodium, Dissolved	8750	ug/L	5000	1		07/05/21 21:09	7440-23-5	
Thallium, Dissolved	<10.0	ug/L	10.0	1		07/05/21 21:09	7440-28-0	
Zinc, Dissolved	<20.0	ug/L	20.0	1		07/05/21 21:09	7440-66-6	
7470 Mercury, Dissolved		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Melville						
Mercury, Dissolved	<0.20	ug/L	0.20	1	06/29/21 09:16	06/30/21 15:36	7439-97-6	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		06/28/21 15:08	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/28/21 15:08	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/28/21 15:08	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/28/21 15:08	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/28/21 15:08	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/28/21 15:08	108-90-7	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-6S		Lab ID: 70178157003	Collected: 06/23/21 09:40	Received: 06/24/21 10:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville						
Chloroethane	<1.0	ug/L	1.0	1		06/28/21 15:08	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/28/21 15:08	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/28/21 15:08	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/28/21 15:08	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 15:08	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 15:08	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 15:08	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/28/21 15:08	75-71-8	v3
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 15:08	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 15:08	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 15:08	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 15:08	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 15:08	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/28/21 15:08	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 15:08	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 15:08	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/28/21 15:08	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/28/21 15:08	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/28/21 15:08	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/28/21 15:08	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/28/21 15:08	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 15:08	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 15:08	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/28/21 15:08	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/28/21 15:08	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/28/21 15:08	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/28/21 15:08	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	100	%	69-122	1		06/28/21 15:08	460-00-4	
Toluene-d8 (S)	97	%	79-110	1		06/28/21 15:08	2037-26-5	
1,2-Dichloroethane-d4 (S)	103	%	74-119	1		06/28/21 15:08	17060-07-0	
180.1 Turbidity		Analytical Method: EPA 180.1 Pace Analytical Services - Melville						
Turbidity	100	NTU	10.0	10		06/24/21 14:22		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville						
Alkalinity, Total as CaCO ₃	370	mg/L	1.0	1		07/02/21 00:12		
2340C Hardness, Total		Analytical Method: SM22 2340C Pace Analytical Services - Melville						
Tot Hardness asCaCO ₃ (SM 2340B)	440	mg/L	5.0	1		07/02/21 14:42		

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-6S		Lab ID: 70178157003	Collected: 06/23/21 09:40	Received: 06/24/21 10:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville						
Total Dissolved Solids	504	mg/L	20.0	1		06/30/21 12:35		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville						
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	06/28/21 07:54	06/28/21 10:07		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville						
Chloride	11.1	mg/L	2.0	1		07/02/21 04:07	16887-00-6	
Sulfate	50.6	mg/L	5.0	1		07/02/21 04:07	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville						
Nitrate as N	4.7	mg/L	0.25	5		06/25/21 00:14	14797-55-8	
Nitrate-Nitrite (as N)	4.8	mg/L	0.25	5		06/25/21 00:14	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville						
Nitrite as N	0.17	mg/L	0.050	1		06/24/21 21:46	14797-65-0	
Phenolics, Total Recoverable		Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville						
Phenolics, Total Recoverable	<5.0	ug/L	5.0	1	07/02/21 09:32	07/02/21 11:51		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/02/21 13:15	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A Pace Analytical Services - Melville						
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 22:08	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 22:08	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 22:08	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 22:08	7440-44-0	
Mean Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 22:08	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-6D		Lab ID: 70178157004		Collected: 06/23/21 09:45		Received: 06/24/21 10:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Cadmium	<2.5	ug/L	2.5	1	07/02/21 07:08	07/08/21 11:05	7440-43-9		
Calcium	66300	ug/L	200	1	07/02/21 07:08	07/08/21 11:05	7440-70-2		
Iron	591	ug/L	20.0	1	07/02/21 07:08	07/08/21 11:05	7439-89-6		
Lead	<5.0	ug/L	5.0	1	07/02/21 07:08	07/08/21 11:05	7439-92-1		
Magnesium	44000	ug/L	200	1	07/02/21 07:08	07/08/21 11:05	7439-95-4		
Manganese	76.7	ug/L	10.0	1	07/02/21 07:08	07/08/21 11:05	7439-96-5		
Potassium	<5000	ug/L	5000	1	07/02/21 07:08	07/08/21 11:05	7440-09-7		
Sodium	<5000	ug/L	5000	1	07/02/21 07:08	07/08/21 11:05	7440-23-5		
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		06/28/21 15:28	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		06/28/21 15:28	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		06/28/21 15:28	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		06/28/21 15:28	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/28/21 15:28	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		06/28/21 15:28	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		06/28/21 15:28	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		06/28/21 15:28	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		06/28/21 15:28	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		06/28/21 15:28	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 15:28	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 15:28	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 15:28	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/28/21 15:28	75-71-8	v3	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 15:28	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 15:28	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 15:28	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 15:28	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 15:28	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/28/21 15:28	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 15:28	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 15:28	10061-02-6		
Ethylbenzene	<1.0	ug/L	1.0	1		06/28/21 15:28	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		06/28/21 15:28	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/28/21 15:28	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		06/28/21 15:28	127-18-4		
Toluene	<1.0	ug/L	1.0	1		06/28/21 15:28	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 15:28	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 15:28	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		06/28/21 15:28	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/28/21 15:28	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		06/28/21 15:28	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		06/28/21 15:28	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	100	%	69-122	1		06/28/21 15:28	460-00-4		

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

Sample: MW-6D		Lab ID: 70178157004		Collected: 06/23/21 09:45		Received: 06/24/21 10:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Surrogates									
Toluene-d8 (S)	99	%	79-110	1		06/28/21 15:28	2037-26-5		
1,2-Dichloroethane-d4 (S)	102	%	74-119	1		06/28/21 15:28	17060-07-0		
180.1 Turbidity		Analytical Method: EPA 180.1 Pace Analytical Services - Melville							
Turbidity	26.0	NTU	10.0	10		06/24/21 14:22			
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	277	mg/L	1.0	1		07/02/21 00:25			
2340C Hardness, Total		Analytical Method: SM22 2340C Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	220	mg/L	5.0	1		07/02/21 14:43			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	522	mg/L	20.0	1		06/30/21 12:35			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville							
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	06/28/21 07:54	06/28/21 10:07			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	4.1	mg/L	2.0	1		07/02/21 04:21	16887-00-6		
Sulfate	179	mg/L	50.0	10		07/02/21 15:12	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.25	mg/L	0.25	5		06/25/21 00:15	14797-55-8		
Nitrate-Nitrite (as N)	<0.25	mg/L	0.25	5		06/25/21 00:15	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		06/24/21 21:48	14797-65-0		
Phenolics, Total Recoverable		Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville							
Phenolics, Total Recoverable	<5.0	ug/L	5.0	1	07/02/21 09:32	07/02/21 11:52			

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-6D		Lab ID: 70178157004	Collected: 06/23/21 09:45		Received: 06/24/21 10:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H							
	Pace Analytical Services - Melville							
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/02/21 13:16	7664-41-7	
9060A TOC as NPOC	Analytical Method: EPA 9060A							
	Pace Analytical Services - Melville							
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 22:19	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 22:19	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 22:19	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 22:19	7440-44-0	
Mean Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 22:19	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-8S		Lab ID: 70178157005	Collected: 06/23/21 08:20	Received: 06/24/21 10:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Cadmium	<2.5	ug/L	2.5	1	07/02/21 07:08	07/08/21 11:12	7440-43-9	
Calcium	108000	ug/L	200	1	07/02/21 07:08	07/08/21 11:12	7440-70-2	
Iron	<20.0	ug/L	20.0	1	07/02/21 07:08	07/08/21 11:12	7439-89-6	
Lead	<5.0	ug/L	5.0	1	07/02/21 07:08	07/08/21 11:12	7439-92-1	
Magnesium	24100	ug/L	200	1	07/02/21 07:08	07/08/21 11:12	7439-95-4	
Manganese	1220	ug/L	10.0	1	07/02/21 07:08	07/08/21 11:12	7439-96-5	
Potassium	<5000	ug/L	5000	1	07/02/21 07:08	07/08/21 11:12	7440-09-7	
Sodium	<5000	ug/L	5000	1	07/02/21 07:08	07/08/21 11:12	7440-23-5	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		06/28/21 15:47	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/28/21 15:47	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/28/21 15:47	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/28/21 15:47	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/28/21 15:47	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/28/21 15:47	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/28/21 15:47	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/28/21 15:47	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/28/21 15:47	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/28/21 15:47	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 15:47	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 15:47	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 15:47	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/28/21 15:47	75-71-8	v3
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 15:47	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 15:47	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 15:47	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 15:47	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 15:47	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/28/21 15:47	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 15:47	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 15:47	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/28/21 15:47	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/28/21 15:47	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/28/21 15:47	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/28/21 15:47	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/28/21 15:47	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 15:47	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 15:47	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/28/21 15:47	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/28/21 15:47	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/28/21 15:47	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/28/21 15:47	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%	69-122	1		06/28/21 15:47	460-00-4	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-8S		Lab ID: 70178157005		Collected: 06/23/21 08:20		Received: 06/24/21 10:50		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Surrogates									
Toluene-d8 (S)		101	%	79-110	1		06/28/21 15:47	2037-26-5	
1,2-Dichloroethane-d4 (S)		103	%	74-119	1		06/28/21 15:47	17060-07-0	
180.1 Turbidity		Analytical Method: EPA 180.1 Pace Analytical Services - Melville							
Turbidity		20.0	NTU	1.0	1		06/24/21 14:21		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3		453	mg/L	1.0	1		07/02/21 00:44		
2340C Hardness, Total		Analytical Method: SM22 2340C Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B)		320	mg/L	5.0	1		07/02/21 14:43		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids		382	mg/L	20.0	1		06/30/21 12:35		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville							
Chemical Oxygen Demand		<10.0	mg/L	10.0	1	06/28/21 07:54	06/28/21 10:07		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride		2.7	mg/L	2.0	1		07/02/21 04:34	16887-00-6	
Sulfate		10.6	mg/L	5.0	1		07/02/21 04:34	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N		<0.25	mg/L	0.25	5		06/25/21 00:16	14797-55-8	
Nitrate-Nitrite (as N)		<0.25	mg/L	0.25	5		06/25/21 00:16	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N		<0.050	mg/L	0.050	1		06/24/21 21:49	14797-65-0	
Phenolics, Total Recoverable		Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville							
Phenolics, Total Recoverable		<5.0	ug/L	5.0	1	07/02/21 09:32	07/02/21 11:53		

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

Sample: MW-8S		Lab ID: 70178157005	Collected: 06/23/21 08:20		Received: 06/24/21 10:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/02/21 13:19	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A Pace Analytical Services - Melville						
Total Organic Carbon	1.9	mg/L	1.0	1		07/06/21 22:32	7440-44-0	
Total Organic Carbon	1.9	mg/L	1.0	1		07/06/21 22:32	7440-44-0	
Total Organic Carbon	1.9	mg/L	1.0	1		07/06/21 22:32	7440-44-0	
Total Organic Carbon	1.9	mg/L	1.0	1		07/06/21 22:32	7440-44-0	
Mean Total Organic Carbon	1.9	mg/L	1.0	1		07/06/21 22:32	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-8D		Lab ID: 70178157006	Collected: 06/23/21 08:10	Received: 06/24/21 10:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Cadmium	<2.5	ug/L	2.5	1	07/02/21 07:08	07/08/21 11:14	7440-43-9	
Calcium	319000	ug/L	200	1	07/02/21 07:08	07/08/21 11:14	7440-70-2	
Iron	1860	ug/L	20.0	1	07/02/21 07:08	07/08/21 11:14	7439-89-6	
Lead	<5.0	ug/L	5.0	1	07/02/21 07:08	07/08/21 11:14	7439-92-1	
Magnesium	14700	ug/L	200	1	07/02/21 07:08	07/08/21 11:14	7439-95-4	
Manganese	107	ug/L	10.0	1	07/02/21 07:08	07/08/21 11:14	7439-96-5	
Potassium	46500	ug/L	5000	1	07/02/21 07:08	07/08/21 11:14	7440-09-7	
Sodium	45800	ug/L	5000	1	07/02/21 07:08	07/08/21 11:14	7440-23-5	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		06/28/21 16:07	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/28/21 16:07	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/28/21 16:07	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/28/21 16:07	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/28/21 16:07	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/28/21 16:07	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/28/21 16:07	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/28/21 16:07	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/28/21 16:07	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/28/21 16:07	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 16:07	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 16:07	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 16:07	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/28/21 16:07	75-71-8	v3
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 16:07	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 16:07	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 16:07	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 16:07	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 16:07	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/28/21 16:07	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 16:07	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 16:07	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/28/21 16:07	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/28/21 16:07	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/28/21 16:07	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/28/21 16:07	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/28/21 16:07	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 16:07	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 16:07	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/28/21 16:07	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/28/21 16:07	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/28/21 16:07	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/28/21 16:07	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	100	%	69-122	1		06/28/21 16:07	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

Sample: MW-8D		Lab ID: 70178157006		Collected: 06/23/21 08:10		Received: 06/24/21 10:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Surrogates									
Toluene-d8 (S)	98	%	79-110	1		06/28/21 16:07	2037-26-5		
1,2-Dichloroethane-d4 (S)	103	%	74-119	1		06/28/21 16:07	17060-07-0		
180.1 Turbidity		Analytical Method: EPA 180.1 Pace Analytical Services - Melville							
Turbidity	35.0	NTU	10.0	10		06/24/21 14:21			
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	154	mg/L	1.0	1		07/02/21 00:54			
2340C Hardness, Total		Analytical Method: SM22 2340C Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B)	820	mg/L	5.0	1		07/02/21 14:43			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	1350	mg/L	20.0	1		06/30/21 12:36			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville							
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	06/28/21 07:54	06/28/21 10:08			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	67.3	mg/L	2.0	1		07/02/21 04:48	16887-00-6		
Sulfate	3280	mg/L	500	100		07/02/21 15:26	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.25	mg/L	0.25	5		06/25/21 00:20	14797-55-8		
Nitrate-Nitrite (as N)	<0.25	mg/L	0.25	5		06/25/21 00:20	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		06/24/21 21:50	14797-65-0		
Phenolics, Total Recoverable		Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville							
Phenolics, Total Recoverable	<5.0	ug/L	5.0	1	07/02/21 09:32	07/02/21 11:54			

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-8D		Lab ID: 70178157006		Collected: 06/23/21 08:10		Received: 06/24/21 10:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	3.4	mg/L	0.10	1		07/02/21 13:21	7664-41-7		
9060A TOC as NPOC		Analytical Method: EPA 9060A Pace Analytical Services - Melville							
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 23:09	7440-44-0		
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 23:09	7440-44-0		
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 23:09	7440-44-0		
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 23:09	7440-44-0		
Mean Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 23:09	7440-44-0		

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Page 20 of 64

ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-9S		Lab ID: 70178157007	Collected: 06/23/21 09:05	Received: 06/24/21 10:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Cadmium	<2.5	ug/L	2.5	1	07/02/21 07:08	07/08/21 11:17	7440-43-9	
Calcium	98900	ug/L	200	1	07/02/21 07:08	07/08/21 11:17	7440-70-2	
Iron	4680	ug/L	20.0	1	07/02/21 07:08	07/08/21 11:17	7439-89-6	
Lead	<5.0	ug/L	5.0	1	07/02/21 07:08	07/08/21 11:17	7439-92-1	
Magnesium	56700	ug/L	200	1	07/02/21 07:08	07/08/21 11:17	7439-95-4	
Manganese	370	ug/L	10.0	1	07/02/21 07:08	07/08/21 11:17	7439-96-5	
Potassium	<5000	ug/L	5000	1	07/02/21 07:08	07/08/21 11:17	7440-09-7	
Sodium	29500	ug/L	5000	1	07/02/21 07:08	07/08/21 11:17	7440-23-5	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010C Pace Analytical Services - Melville						
Aluminum, Dissolved	<200	ug/L	200	1		07/05/21 21:11	7429-90-5	
Antimony, Dissolved	<60.0	ug/L	60.0	1		07/05/21 21:11	7440-36-0	
Arsenic, Dissolved	<10.0	ug/L	10.0	1		07/05/21 21:11	7440-38-2	
Barium, Dissolved	<200	ug/L	200	1		07/05/21 21:11	7440-39-3	
Beryllium, Dissolved	<5.0	ug/L	5.0	1		07/05/21 21:11	7440-41-7	
Boron, Dissolved	<50.0	ug/L	50.0	1		07/05/21 21:11	7440-42-8	
Cadmium, Dissolved	<2.5	ug/L	2.5	1		07/05/21 21:11	7440-43-9	
Calcium, Dissolved	43300	ug/L	200	1		07/05/21 21:11	7440-70-2	
Chromium, Dissolved	<10.0	ug/L	10.0	1		07/05/21 21:11	7440-47-3	
Copper, Dissolved	<25.0	ug/L	25.0	1		07/05/21 21:11	7440-50-8	
Iron, Dissolved	<20.0	ug/L	20.0	1		07/05/21 21:11	7439-89-6	
Lead, Dissolved	<5.0	ug/L	5.0	1		07/05/21 21:11	7439-92-1	
Magnesium, Dissolved	48800	ug/L	200	1		07/05/21 21:11	7439-95-4	
Manganese, Dissolved	<10.0	ug/L	10.0	1		07/05/21 21:11	7439-96-5	
Nickel, Dissolved	<40.0	ug/L	40.0	1		07/05/21 21:11	7440-02-0	
Potassium, Dissolved	<5000	ug/L	5000	1		07/05/21 21:11	7440-09-7	
Selenium, Dissolved	<10.0	ug/L	10.0	1		07/05/21 21:11	7782-49-2	
Silver, Dissolved	<10.0	ug/L	10.0	1		07/05/21 21:11	7440-22-4	
Sodium, Dissolved	34600	ug/L	5000	1		07/05/21 21:11	7440-23-5	
Thallium, Dissolved	<10.0	ug/L	10.0	1		07/05/21 21:11	7440-28-0	
Zinc, Dissolved	<20.0	ug/L	20.0	1		07/05/21 21:11	7440-66-6	
7470 Mercury, Dissolved		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Melville						
Mercury, Dissolved	<0.20	ug/L	0.20	1	06/29/21 09:16	06/30/21 15:40	7439-97-6	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		06/28/21 16:26	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/28/21 16:26	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/28/21 16:26	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/28/21 16:26	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/28/21 16:26	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/28/21 16:26	108-90-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

Sample: MW-9S		Lab ID: 70178157007	Collected: 06/23/21 09:05	Received: 06/24/21 10:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville						
Chloroethane	<1.0	ug/L	1.0	1		06/28/21 16:26	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/28/21 16:26	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/28/21 16:26	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/28/21 16:26	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 16:26	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 16:26	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 16:26	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/28/21 16:26	75-71-8	v3
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 16:26	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 16:26	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 16:26	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 16:26	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 16:26	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/28/21 16:26	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 16:26	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 16:26	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/28/21 16:26	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/28/21 16:26	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/28/21 16:26	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/28/21 16:26	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/28/21 16:26	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 16:26	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 16:26	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/28/21 16:26	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/28/21 16:26	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/28/21 16:26	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/28/21 16:26	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	100	%	69-122	1		06/28/21 16:26	460-00-4	
Toluene-d8 (S)	97	%	79-110	1		06/28/21 16:26	2037-26-5	
1,2-Dichloroethane-d4 (S)	103	%	74-119	1		06/28/21 16:26	17060-07-0	
180.1 Turbidity		Analytical Method: EPA 180.1 Pace Analytical Services - Melville						
Turbidity	5100	NTU	1000	1000		06/24/21 14:22		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville						
Alkalinity, Total as CaCO3	424	mg/L	1.0	1		07/02/21 14:46		
2340C Hardness, Total		Analytical Method: SM22 2340C Pace Analytical Services - Melville						
Tot Hardness asCaCO3 (SM 2340B)	480	mg/L	5.0	1		07/02/21 14:43		

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-9S		Lab ID: 70178157007	Collected: 06/23/21 09:05		Received: 06/24/21 10:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville						
Total Dissolved Solids	350	mg/L	100	1		06/30/21 12:36		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville						
Chemical Oxygen Demand	16.3	mg/L	10.0	1	06/28/21 07:54	06/28/21 10:08		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville						
Chloride	77.6	mg/L	2.0	1		07/02/21 05:02	16887-00-6	
Sulfate	52.0	mg/L	5.0	1		07/02/21 05:02	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville						
Nitrate as N	<0.25	mg/L	0.25	5		06/25/21 00:21	14797-55-8	
Nitrate-Nitrite (as N)	<0.25	mg/L	0.25	5		06/25/21 00:21	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville						
Nitrite as N	<0.050	mg/L	0.050	1		06/24/21 21:51	14797-65-0	
Phenolics, Total Recoverable		Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville						
Phenolics, Total Recoverable	<5.0	ug/L	5.0	1	07/02/21 09:32	07/02/21 11:55		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/02/21 13:25	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A Pace Analytical Services - Melville						
Total Organic Carbon	1.6	mg/L	1.0	1		07/12/21 11:41	7440-44-0	
Total Organic Carbon	1.6	mg/L	1.0	1		07/12/21 11:41	7440-44-0	
Total Organic Carbon	1.5	mg/L	1.0	1		07/12/21 11:41	7440-44-0	
Total Organic Carbon	1.6	mg/L	1.0	1		07/12/21 11:41	7440-44-0	
Mean Total Organic Carbon	1.5	mg/L	1.0	1		07/12/21 11:41	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-9D		Lab ID: 70178157008	Collected: 06/23/21 09:10		Received: 06/24/21 10:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Cadmium	<2.5	ug/L	2.5	1	07/02/21 07:08	07/08/21 11:19	7440-43-9	
Calcium	464000	ug/L	200	1	07/02/21 07:08	07/08/21 11:19	7440-70-2	
Iron	2210	ug/L	20.0	1	07/02/21 07:08	07/08/21 11:19	7439-89-6	
Lead	<5.0	ug/L	5.0	1	07/02/21 07:08	07/08/21 11:19	7439-92-1	
Magnesium	18900	ug/L	200	1	07/02/21 07:08	07/08/21 11:19	7439-95-4	
Manganese	78.5	ug/L	10.0	1	07/02/21 07:08	07/08/21 11:19	7439-96-5	
Potassium	61900	ug/L	5000	1	07/02/21 07:08	07/08/21 11:19	7440-09-7	
Sodium	98400	ug/L	5000	1	07/02/21 07:08	07/08/21 11:19	7440-23-5	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		06/28/21 16:45	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/28/21 16:45	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/28/21 16:45	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/28/21 16:45	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/28/21 16:45	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/28/21 16:45	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/28/21 16:45	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/28/21 16:45	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/28/21 16:45	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/28/21 16:45	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 16:45	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 16:45	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 16:45	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/28/21 16:45	75-71-8	v3
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 16:45	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 16:45	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 16:45	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 16:45	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 16:45	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/28/21 16:45	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 16:45	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 16:45	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/28/21 16:45	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/28/21 16:45	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/28/21 16:45	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/28/21 16:45	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/28/21 16:45	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 16:45	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 16:45	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/28/21 16:45	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/28/21 16:45	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/28/21 16:45	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/28/21 16:45	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	99	%	69-122	1		06/28/21 16:45	460-00-4	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-9D		Lab ID: 70178157008		Collected: 06/23/21 09:10		Received: 06/24/21 10:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Surrogates									
Toluene-d8 (S)	98	%	79-110	1		06/28/21 16:45	2037-26-5		
1,2-Dichloroethane-d4 (S)	103	%	74-119	1		06/28/21 16:45	17060-07-0		
180.1 Turbidity		Analytical Method: EPA 180.1 Pace Analytical Services - Melville							
Turbidity	8.4	NTU	1.0	1		06/24/21 14:22			
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	154	mg/L	1.0	1		07/02/21 14:56			
2340C Hardness, Total		Analytical Method: SM22 2340C Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B)	1540	mg/L	5.0	1		07/02/21 14:43			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	2340	mg/L	20.0	1		06/30/21 12:48			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville							
Chemical Oxygen Demand	16.3	mg/L	10.0	1	06/28/21 07:54	06/28/21 10:08			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	801	mg/L	200	100		07/02/21 15:39	16887-00-6		
Sulfate	<5.0	mg/L	5.0	1		07/02/21 05:15	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.25	mg/L	0.25	5		06/25/21 00:22	14797-55-8		
Nitrate-Nitrite (as N)	<0.25	mg/L	0.25	5		06/25/21 00:22	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	0.12	mg/L	0.050	1		06/24/21 21:52	14797-65-0		
Phenolics, Total Recoverable		Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville							
Phenolics, Total Recoverable	5.2	ug/L	5.0	1	07/02/21 09:32	07/02/21 11:57			

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-9D		Lab ID: 70178157008	Collected: 06/23/21 09:10		Received: 06/24/21 10:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville						
Nitrogen, Ammonia	5.0	mg/L	0.10	1		07/02/21 13:27	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A Pace Analytical Services - Melville						
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 23:32	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 23:32	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 23:32	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 23:32	7440-44-0	
Mean Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 23:32	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-X		Lab ID: 70178157009	Collected: 06/23/21 09:12	Received: 06/24/21 10:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Cadmium	<2.5	ug/L	2.5	1	07/02/21 07:08	07/08/21 11:21	7440-43-9	
Calcium	464000	ug/L	200	1	07/02/21 07:08	07/08/21 11:21	7440-70-2	
Iron	2210	ug/L	20.0	1	07/02/21 07:08	07/08/21 11:21	7439-89-6	
Lead	<5.0	ug/L	5.0	1	07/02/21 07:08	07/08/21 11:21	7439-92-1	
Magnesium	18900	ug/L	200	1	07/02/21 07:08	07/08/21 11:21	7439-95-4	
Manganese	79.3	ug/L	10.0	1	07/02/21 07:08	07/08/21 11:21	7439-96-5	
Potassium	61400	ug/L	5000	1	07/02/21 07:08	07/08/21 11:21	7440-09-7	
Sodium	97700	ug/L	5000	1	07/02/21 07:08	07/08/21 11:21	7440-23-5	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		06/28/21 17:05	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/28/21 17:05	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/28/21 17:05	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/28/21 17:05	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/28/21 17:05	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/28/21 17:05	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/28/21 17:05	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/28/21 17:05	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/28/21 17:05	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/28/21 17:05	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 17:05	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 17:05	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 17:05	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/28/21 17:05	75-71-8	v3
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 17:05	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 17:05	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 17:05	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 17:05	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 17:05	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/28/21 17:05	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 17:05	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 17:05	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/28/21 17:05	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/28/21 17:05	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/28/21 17:05	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/28/21 17:05	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/28/21 17:05	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 17:05	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 17:05	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/28/21 17:05	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/28/21 17:05	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/28/21 17:05	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/28/21 17:05	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	99	%	69-122	1		06/28/21 17:05	460-00-4	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-X		Lab ID: 70178157009		Collected: 06/23/21 09:12		Received: 06/24/21 10:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Surrogates									
Toluene-d8 (S)	98	%	79-110	1		06/28/21 17:05	2037-26-5		
1,2-Dichloroethane-d4 (S)	103	%	74-119	1		06/28/21 17:05	17060-07-0		
180.1 Turbidity		Analytical Method: EPA 180.1 Pace Analytical Services - Melville							
Turbidity	15.0	NTU	1.0	1		06/24/21 14:22			
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	149	mg/L	1.0	1		07/02/21 15:05			
2340C Hardness, Total		Analytical Method: SM22 2340C Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	1500	mg/L	5.0	1		07/02/21 14:43			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	2410	mg/L	20.0	1		06/30/21 12:48			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville							
Chemical Oxygen Demand	12.1	mg/L	10.0	1	06/28/21 07:54	06/28/21 10:08			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	228	mg/L	20.0	10		07/02/21 15:53	16887-00-6		
Sulfate	<5.0	mg/L	5.0	1		07/02/21 05:29	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.25	mg/L	0.25	5		06/25/21 00:23	14797-55-8		
Nitrate-Nitrite (as N)	<0.25	mg/L	0.25	5		06/25/21 00:23	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	0.098	mg/L	0.050	1		06/24/21 21:53	14797-65-0		
Phenolics, Total Recoverable		Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville							
Phenolics, Total Recoverable	<5.0	ug/L	5.0	1	07/02/21 09:32	07/02/21 11:58			

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: MW-X		Lab ID: 70178157009		Collected: 06/23/21 09:12		Received: 06/24/21 10:50		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia		5.0	mg/L	0.10	1		07/02/21 13:28	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A Pace Analytical Services - Melville							
Total Organic Carbon		1.6	mg/L	1.0	1		07/06/21 23:44	7440-44-0	
Total Organic Carbon		1.5	mg/L	1.0	1		07/06/21 23:44	7440-44-0	
Total Organic Carbon		1.4	mg/L	1.0	1		07/06/21 23:44	7440-44-0	
Total Organic Carbon		1.4	mg/L	1.0	1		07/06/21 23:44	7440-44-0	
Mean Total Organic Carbon		1.5	mg/L	1.0	1		07/06/21 23:44	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

Sample: TRIP BLANK		Lab ID: 70178157010	Collected: 06/23/21 00:00	Received: 06/24/21 10:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		06/28/21 14:10	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/28/21 14:10	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/28/21 14:10	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/28/21 14:10	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/28/21 14:10	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/28/21 14:10	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/28/21 14:10	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/28/21 14:10	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/28/21 14:10	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/28/21 14:10	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 14:10	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 14:10	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/28/21 14:10	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/28/21 14:10	75-71-8	v3
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 14:10	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/28/21 14:10	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 14:10	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 14:10	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/28/21 14:10	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/28/21 14:10	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 14:10	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/28/21 14:10	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/28/21 14:10	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/28/21 14:10	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/28/21 14:10	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/28/21 14:10	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/28/21 14:10	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 14:10	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/28/21 14:10	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/28/21 14:10	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/28/21 14:10	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/28/21 14:10	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/28/21 14:10	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	101	%	69-122	1		06/28/21 14:10	460-00-4	
Toluene-d8 (S)	99	%	79-110	1		06/28/21 14:10	2037-26-5	
1,2-Dichloroethane-d4 (S)	103	%	74-119	1		06/28/21 14:10	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

QC Batch: 216267

Analysis Method: EPA 6010C

QC Batch Method: EPA 6010C

Analysis Description: 6010 MET Dissolved

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70178157003, 70178157007

METHOD BLANK: 1088770

Matrix: Water

Associated Lab Samples: 70178157003, 70178157007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	<200	200	07/05/21 20:36	
Antimony, Dissolved	ug/L	<60.0	60.0	07/05/21 20:36	
Arsenic, Dissolved	ug/L	<10.0	10.0	07/05/21 20:36	
Barium, Dissolved	ug/L	<200	200	07/05/21 20:36	
Beryllium, Dissolved	ug/L	<5.0	5.0	07/05/21 20:36	
Boron, Dissolved	ug/L	<50.0	50.0	07/05/21 20:36	
Cadmium, Dissolved	ug/L	<2.5	2.5	07/05/21 20:36	
Calcium, Dissolved	ug/L	<200	200	07/05/21 20:36	
Chromium, Dissolved	ug/L	<10.0	10.0	07/05/21 20:36	
Copper, Dissolved	ug/L	<25.0	25.0	07/05/21 20:36	
Iron, Dissolved	ug/L	<20.0	20.0	07/05/21 20:36	
Lead, Dissolved	ug/L	<5.0	5.0	07/05/21 20:36	
Magnesium, Dissolved	ug/L	<200	200	07/05/21 20:36	
Manganese, Dissolved	ug/L	<10.0	10.0	07/05/21 20:36	
Nickel, Dissolved	ug/L	<40.0	40.0	07/05/21 20:36	
Potassium, Dissolved	ug/L	<5000	5000	07/05/21 20:36	
Selenium, Dissolved	ug/L	<10.0	10.0	07/05/21 20:36	
Silver, Dissolved	ug/L	<10.0	10.0	07/05/21 20:36	
Sodium, Dissolved	ug/L	<5000	5000	07/05/21 20:36	
Thallium, Dissolved	ug/L	<10.0	10.0	07/05/21 20:36	
Zinc, Dissolved	ug/L	<20.0	20.0	07/05/21 20:36	

LABORATORY CONTROL SAMPLE: 1088771

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	25000	25300	101	80-120	
Antimony, Dissolved	ug/L	1000	1020	102	80-120	
Arsenic, Dissolved	ug/L	500	504	101	80-120	
Barium, Dissolved	ug/L	500	507	101	80-120	
Beryllium, Dissolved	ug/L	500	501	100	80-120	
Boron, Dissolved	ug/L	1000	1040	104	80-120	
Cadmium, Dissolved	ug/L	500	493	99	80-120	
Calcium, Dissolved	ug/L	25000	25400	102	80-120	
Chromium, Dissolved	ug/L	500	504	101	80-120	
Copper, Dissolved	ug/L	500	489	98	80-120	
Iron, Dissolved	ug/L	12500	12400	99	80-120	
Lead, Dissolved	ug/L	500	513	103	80-120	
Magnesium, Dissolved	ug/L	25000	25200	101	80-120	
Manganese, Dissolved	ug/L	500	502	100	80-120	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

LABORATORY CONTROL SAMPLE: 1088771

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel, Dissolved	ug/L	500	505	101	80-120	
Potassium, Dissolved	ug/L	25000	25200	101	80-120	
Selenium, Dissolved	ug/L	500	487	97	80-120	
Silver, Dissolved	ug/L	250	255	102	80-120	
Sodium, Dissolved	ug/L	25000	25100	100	80-120	
Thallium, Dissolved	ug/L	250	243	97	80-120	
Zinc, Dissolved	ug/L	500	493	99	80-120	

MATRIX SPIKE SAMPLE: 1088773

Parameter	Units	70177251001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	<200	10000	11700	117	75-125	
Antimony, Dissolved	ug/L	<60.0	400	473	118	75-125	
Arsenic, Dissolved	ug/L	18.6	200	246	114	75-125	
Barium, Dissolved	ug/L	4.2J	200	<200	86	75-125	
Beryllium, Dissolved	ug/L	<5.0	200	233	116	75-125	
Boron, Dissolved	ug/L	<50.0	400	462	115	75-125	
Cadmium, Dissolved	ug/L	<2.5	200	230	115	75-125	
Calcium, Dissolved	ug/L	8530	10000	24000	155	75-125 M1	
Chromium, Dissolved	ug/L	<10.0	200	230	115	75-125	
Copper, Dissolved	ug/L	<25.0	200	226	112	75-125	
Iron, Dissolved	ug/L	21.9	5000	5420	108	75-125	
Lead, Dissolved	ug/L	<5.0	200	185	92	75-125	
Magnesium, Dissolved	ug/L	2460	10000	14800	123	75-125	
Manganese, Dissolved	ug/L	<10.0	200	235	117	75-125	
Nickel, Dissolved	ug/L	12.3J	200	251	119	75-125	
Potassium, Dissolved	ug/L	<5000	10000	12500	119	75-125	
Selenium, Dissolved	ug/L	<10.0	200	215	106	75-125	
Silver, Dissolved	ug/L	<10.0	100	61.9	62	75-125 M1	
Sodium, Dissolved	ug/L	5860	10000	17400	115	75-125	
Thallium, Dissolved	ug/L	<10.0	100	103	103	75-125	
Zinc, Dissolved	ug/L	<20.0	200	233	116	75-125	

SAMPLE DUPLICATE: 1088772

Parameter	Units	70177251001 Result	Dup Result	RPD	Qualifiers
Aluminum, Dissolved	ug/L	<200	<200		
Antimony, Dissolved	ug/L	<60.0	<60.0		
Arsenic, Dissolved	ug/L	18.6	17.4	7	
Barium, Dissolved	ug/L	4.2J	<200		
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Boron, Dissolved	ug/L	<50.0	<50.0		
Cadmium, Dissolved	ug/L	<2.5	<2.5		
Calcium, Dissolved	ug/L	8530	8110	5	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

SAMPLE DUPLICATE: 1088772

Parameter	Units	70177251001 Result	Dup Result	RPD	Qualifiers
Chromium, Dissolved	ug/L	<10.0	<10.0		
Copper, Dissolved	ug/L	<25.0	<25.0		
Iron, Dissolved	ug/L	21.9	20.6	6	
Lead, Dissolved	ug/L	<5.0	<5.0		
Magnesium, Dissolved	ug/L	2460	2370	4	
Manganese, Dissolved	ug/L	<10.0	<10.0		
Nickel, Dissolved	ug/L	12.3J	<40.0		
Potassium, Dissolved	ug/L	<5000	<5000		
Selenium, Dissolved	ug/L	<10.0	<10.0		
Silver, Dissolved	ug/L	<10.0	<10.0		
Sodium, Dissolved	ug/L	5860	5900	1	
Thallium, Dissolved	ug/L	<10.0	<10.0		
Zinc, Dissolved	ug/L	<20.0	<20.0		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

QC Batch: 215613

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury Dissolved

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70178157003, 70178157007

METHOD BLANK: 1085753

Matrix: Water

Associated Lab Samples: 70178157003, 70178157007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.20	0.20	06/30/21 15:15	

LABORATORY CONTROL SAMPLE: 1085754

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	1	0.96	96	80-120	

MATRIX SPIKE SAMPLE: 1085755

Parameter	Units	70176101013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	<0.20	1	0.83	83	75-125	

SAMPLE DUPLICATE: 1085756

Parameter	Units	70176101013 Result	Dup Result	RPD	Qualifiers
Mercury, Dissolved	ug/L	<0.20	<0.20		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

QC Batch: 216070

Analysis Method: EPA 6010C

QC Batch Method: EPA 3005A

Analysis Description: 6010 MET Water

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157007, 70178157008, 70178157009

METHOD BLANK: 1087638

Matrix: Water

Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157007, 70178157008, 70178157009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	ug/L	<2.5	2.5	07/08/21 10:44	
Calcium	ug/L	<200	200	07/08/21 10:44	
Iron	ug/L	<20.0	20.0	07/08/21 10:44	
Lead	ug/L	<5.0	5.0	07/08/21 10:44	
Magnesium	ug/L	<200	200	07/08/21 10:44	
Manganese	ug/L	<10.0	10.0	07/08/21 10:44	
Potassium	ug/L	<5000	5000	07/08/21 10:44	
Sodium	ug/L	<5000	5000	07/08/21 10:44	

LABORATORY CONTROL SAMPLE: 1087639

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	500	518	104	80-120	
Calcium	ug/L	25000	26200	105	80-120	
Iron	ug/L	12500	13100	105	80-120	
Lead	ug/L	500	523	105	80-120	
Magnesium	ug/L	25000	25500	102	80-120	
Manganese	ug/L	500	516	103	80-120	
Potassium	ug/L	25000	23800	95	80-120	
Sodium	ug/L	25000	24900	100	80-120	

MATRIX SPIKE SAMPLE: 1087641

Parameter	Units	70178157002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	<2.5	200	190	95	75-125	
Calcium	ug/L	402000	10000	414000	120	75-125	
Iron	ug/L	2990	5000	7900	98	75-125	
Lead	ug/L	<5.0	200	191	95	75-125	
Magnesium	ug/L	18300	10000	27600	93	75-125	
Manganese	ug/L	74.2	200	266	96	75-125	
Potassium	ug/L	52700	10000	62800	101	75-125	
Sodium	ug/L	60300	10000	69800	95	75-125	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

SAMPLE DUPLICATE: 1087640

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Cadmium	ug/L	<2.5	<2.5		
Calcium	ug/L	402000	414000	3	
Iron	ug/L	2990	3090	4	
Lead	ug/L	<5.0	<5.0		
Magnesium	ug/L	18300	18900	3	
Manganese	ug/L	74.2	76.2	3	
Potassium	ug/L	52700	54400	3	
Sodium	ug/L	60300	62100	3	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

QC Batch: 215475

Analysis Method: EPA 624.1

QC Batch Method: EPA 624.1

Analysis Description: 624.1 MSV

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157007, 70178157008, 70178157009, 70178157010

METHOD BLANK: 1085050

Matrix: Water

Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157007, 70178157008, 70178157009, 70178157010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	06/28/21 11:20	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	06/28/21 11:20	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	06/28/21 11:20	
1,1-Dichloroethane	ug/L	<1.0	1.0	06/28/21 11:20	
1,1-Dichloroethene	ug/L	<1.0	1.0	06/28/21 11:20	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	06/28/21 11:20	
1,2-Dichloroethane	ug/L	<1.0	1.0	06/28/21 11:20	
1,2-Dichloropropane	ug/L	<1.0	1.0	06/28/21 11:20	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	06/28/21 11:20	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	06/28/21 11:20	
Benzene	ug/L	<1.0	1.0	06/28/21 11:20	
Bromodichloromethane	ug/L	<1.0	1.0	06/28/21 11:20	
Bromoform	ug/L	<1.0	1.0	06/28/21 11:20	
Bromomethane	ug/L	<1.0	1.0	06/28/21 11:20	
Carbon tetrachloride	ug/L	<1.0	1.0	06/28/21 11:20	
Chlorobenzene	ug/L	<1.0	1.0	06/28/21 11:20	
Chloroethane	ug/L	<1.0	1.0	06/28/21 11:20	
Chloroform	ug/L	<1.0	1.0	06/28/21 11:20	
Chloromethane	ug/L	<1.0	1.0	06/28/21 11:20	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	06/28/21 11:20	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	06/28/21 11:20	
Dibromochloromethane	ug/L	<1.0	1.0	06/28/21 11:20	
Dichlorodifluoromethane	ug/L	<1.0	1.0	06/28/21 11:20	v3
Ethylbenzene	ug/L	<1.0	1.0	06/28/21 11:20	
Methylene Chloride	ug/L	<1.0	1.0	06/28/21 11:20	
Tetrachloroethene	ug/L	<1.0	1.0	06/28/21 11:20	
Toluene	ug/L	<1.0	1.0	06/28/21 11:20	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	06/28/21 11:20	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	06/28/21 11:20	
Trichloroethene	ug/L	<1.0	1.0	06/28/21 11:20	
Trichlorofluoromethane	ug/L	<1.0	1.0	06/28/21 11:20	
Vinyl chloride	ug/L	<1.0	1.0	06/28/21 11:20	
Xylene (Total)	ug/L	<1.0	1.0	06/28/21 11:20	
1,2-Dichloroethane-d4 (S)	%	102	74-119	06/28/21 11:20	
4-Bromofluorobenzene (S)	%	98	69-122	06/28/21 11:20	
Toluene-d8 (S)	%	98	79-110	06/28/21 11:20	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

LABORATORY CONTROL SAMPLE: 1085051

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.4	92	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	17.2	86	60-140	
1,1,2-Trichloroethane	ug/L	20	19.9	99	70-130	
1,1-Dichloroethane	ug/L	20	19.4	97	70-130	
1,1-Dichloroethene	ug/L	20	18.4	92	70-130	
1,2-Dichlorobenzene	ug/L	20	19.4	97	65-135	
1,2-Dichloroethane	ug/L	20	19.2	96	70-130	
1,2-Dichloropropane	ug/L	20	21.1	105	35-165	
1,3-Dichlorobenzene	ug/L	20	19.9	99	70-130	
1,4-Dichlorobenzene	ug/L	20	19.5	98	65-135	
Benzene	ug/L	20	20.1	101	65-135	
Bromodichloromethane	ug/L	20	19.8	99	65-135	
Bromoform	ug/L	20	15.1	76	70-130	
Bromomethane	ug/L	20	22.3	112	15-185	
Carbon tetrachloride	ug/L	20	18.0	90	70-130	
Chlorobenzene	ug/L	20	19.4	97	65-135	
Chloroethane	ug/L	20	17.1	85	40-160	
Chloroform	ug/L	20	20.1	100	70-135	
Chloromethane	ug/L	20	15.2	76	10-205	
cis-1,2-Dichloroethene	ug/L	20	19.3	97	57-138	
cis-1,3-Dichloropropene	ug/L	20	20.0	100	25-175	
Dibromochloromethane	ug/L	20	17.2	86	70-135	
Dichlorodifluoromethane	ug/L	20	11.9	59	10-139 v3	
Ethylbenzene	ug/L	20	18.2	91	60-140	
Methylene Chloride	ug/L	20	19.7	98	60-140	
Tetrachloroethene	ug/L	20	17.6	88	65-135	
Toluene	ug/L	20	20.2	101	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.5	103	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.9	99	50-150	
Trichloroethene	ug/L	20	19.3	96	65-135	
Trichlorofluoromethane	ug/L	20	16.8	84	50-150	
Vinyl chloride	ug/L	20	15.8	79	5-195	
Xylene (Total)	ug/L	60	57.3	95	67-132	
1,2-Dichloroethane-d4 (S)	%			104	74-119	
4-Bromofluorobenzene (S)	%			99	69-122	
Toluene-d8 (S)	%			98	79-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1085052 1085053

Parameter	Units	70178157002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	<1.0	20	20	18.9	22.7	95	114	70-130	18	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	20	16.6	18.9	83	94	40-160	13	
1,1,2-Trichloroethane	ug/L	<1.0	20	20	17.9	20.6	89	103	70-130	14	
1,1-Dichloroethane	ug/L	<1.0	20	20	19.5	23.4	97	117	70-130	18	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1085052 1085053											
Parameter	Units	70178157002		MS	MSD	MS		MS	MSD	% Rec	Qual
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	
1,1-Dichloroethene	ug/L	<1.0	20	20	20	18.3	21.3	91	106	50-150	15
1,2-Dichlorobenzene	ug/L	<1.0	20	20	20	18.1	21.4	91	107	62-135	16
1,2-Dichloroethane	ug/L	<1.0	20	20	20	18.2	20.8	91	104	70-130	14
1,2-Dichloropropane	ug/L	<1.0	20	20	20	20.6	23.8	103	119	35-165	14
1,3-Dichlorobenzene	ug/L	<1.0	20	20	20	18.4	22.2	92	111	70-130	18
1,4-Dichlorobenzene	ug/L	<1.0	20	20	20	18.4	21.8	92	109	65-135	17
Benzene	ug/L	<1.0	20	20	20	19.8	23.0	99	115	37-151	15
Bromodichloromethane	ug/L	<1.0	20	20	20	18.5	21.8	93	109	65-135	16
Bromoform	ug/L	<1.0	20	20	20	12.6	15.0	63	75	70-130	17 M1
Bromomethane	ug/L	<1.0	20	20	20	18.8	23.2	94	116	15-185	21
Carbon tetrachloride	ug/L	<1.0	20	20	20	18.6	22.4	93	112	70-130	18
Chlorobenzene	ug/L	<1.0	20	20	20	18.6	21.9	93	109	65-135	16
Chloroethane	ug/L	<1.0	20	20	20	15.9	18.7	79	93	40-160	16
Chloroform	ug/L	<1.0	20	20	20	19.8	22.8	99	114	70-135	14
Chloromethane	ug/L	<1.0	20	20	20	12.5	14.1	63	71	10-205	12
cis-1,2-Dichloroethene	ug/L	<1.0	20	20	20	18.2	21.5	91	107	57-139	17
cis-1,3-Dichloropropene	ug/L	<1.0	20	20	20	18.8	21.9	94	109	25-175	15
Dibromochloromethane	ug/L	<1.0	20	20	20	14.7	17.5	74	88	70-135	17
Dichlorodifluoromethane	ug/L	<1.0	20	20	20	7.5	8.7	37	44	10-139	15 v3
Ethylbenzene	ug/L	<1.0	20	20	20	18.0	21.9	90	109	40-160	20
Methylene Chloride	ug/L	<1.0	20	20	20	19.1	22.3	95	111	40-160	15
Tetrachloroethene	ug/L	<1.0	20	20	20	17.7	21.6	89	108	70-130	20
Toluene	ug/L	<1.0	20	20	20	19.7	23.4	99	117	70-130	17
trans-1,2-Dichloroethene	ug/L	<1.0	20	20	20	18.8	22.8	94	114	70-130	19
trans-1,3-Dichloropropene	ug/L	<1.0	20	20	20	18.0	21.4	90	107	50-150	18
Trichloroethene	ug/L	<1.0	20	20	20	19.4	22.6	97	113	65-135	15
Trichlorofluoromethane	ug/L	<1.0	20	20	20	17.5	20.8	88	104	50-150	17
Vinyl chloride	ug/L	<1.0	20	20	20	13.8	15.9	69	79	40-160	14
Xylene (Total)	ug/L	<1.0	60	60	60	55.0	66.7	92	111	67-132	19
1,2-Dichloroethane-d4 (S)	%							105	100	74-119	
4-Bromofluorobenzene (S)	%							100	101	69-122	
Toluene-d8 (S)	%							97	98	79-110	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

QC Batch:	215105	Analysis Method:	EPA 180.1
QC Batch Method:	EPA 180.1	Analysis Description:	180.1 Turbidity
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157007, 70178157008, 70178157009		

METHOD BLANK:	1082499	Matrix:	Water
Associated Lab Samples:	70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157007, 70178157008, 70178157009		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Turbidity	NTU	<1.0	1.0	06/24/21 14:21	

LABORATORY CONTROL SAMPLE: 1082500

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Turbidity	NTU	10	10.0	100	90-110	

SAMPLE DUPLICATE: 1082501

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Turbidity	NTU	20.0	20.0	0	

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REPORT OF LABORATORY ANALYSIS

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Page 40 of 64

QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

QC Batch: 216166 Analysis Method: SM22 2320B
QC Batch Method: SM22 2320B Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006

METHOD BLANK: 1088396 Matrix: Water
Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<1.0	1.0	07/01/21 22:33	

LABORATORY CONTROL SAMPLE: 1088397

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	25	24.3	97	85-115	

MATRIX SPIKE SAMPLE: 1088399

Parameter	Units	70178157002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	144	50	184	80	75-125	

SAMPLE DUPLICATE: 1088398

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	144	153	6	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

QC Batch: 216228

Analysis Method: SM22 2320B

QC Batch Method: SM22 2320B

Analysis Description: 2320B Alkalinity

Laboratory:

Pace Analytical Services - Melville

Associated Lab Samples: 70178157007, 70178157008, 70178157009

METHOD BLANK: 1088618

Matrix: Water

Associated Lab Samples: 70178157007, 70178157008, 70178157009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<1.0	1.0	07/02/21 13:17	

LABORATORY CONTROL SAMPLE: 1088619

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	25	24.1	96	85-115	

MATRIX SPIKE SAMPLE: 1088692

Parameter	Units	70177732003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	24.6	50	73.1	97	75-125	

SAMPLE DUPLICATE: 1088693

Parameter	Units	70177732003 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	24.6	24.3	1	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

QC Batch:	216247	Analysis Method:	SM22 2340C
QC Batch Method:	SM22 2340C	Analysis Description:	2340C Hardness, Total
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157007, 70178157008, 70178157009		

METHOD BLANK:	1088649	Matrix:	Water
Associated Lab Samples:	70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157007, 70178157008, 70178157009		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tot Hardness asCaCO ₃ (SM 2340B)	mg/L	ND	5.0	07/02/21 14:41	

LABORATORY CONTROL SAMPLE: 1088650

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tot Hardness asCaCO ₃ (SM 2340B)	mg/L	100	100	100	90-110	

MATRIX SPIKE SAMPLE: 1088651

Parameter	Units	70177251025 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Tot Hardness asCaCO ₃ (SM 2340B)	mg/L	220	2000	2220	100	75-125	

MATRIX SPIKE SAMPLE: 1088653

Parameter	Units	70178157002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Tot Hardness asCaCO ₃ (SM 2340B)	mg/L	1120	2000	3120	100	75-125	

SAMPLE DUPLICATE: 1088652

Parameter	Units	70177251025 Result	Dup Result	RPD	Qualifiers
Tot Hardness asCaCO ₃ (SM 2340B)	mg/L	220	220	0	

SAMPLE DUPLICATE: 1088654

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Tot Hardness asCaCO ₃ (SM 2340B)	mg/L	1120	1120	0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

QC Batch: 215816 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157007, 70178157008, 70178157009

METHOD BLANK: 1086640 Matrix: Water
Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157007, 70178157008, 70178157009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	06/30/21 12:14	

LABORATORY CONTROL SAMPLE: 1086641

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	494	99	85-115	

MATRIX SPIKE SAMPLE: 1086643

Parameter	Units	70178119007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	378	600	946	95	75-125	

MATRIX SPIKE SAMPLE: 1086645

Parameter	Units	70178157002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1720	600	2450	123	75-125	

SAMPLE DUPLICATE: 1086642

Parameter	Units	70178119007 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	378	384	2	

SAMPLE DUPLICATE: 1086644

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	1720	1720	0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

QC Batch: 215399 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157007, 70178157008, 70178157009

METHOD BLANK: 1084847 Matrix: Water
Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157007, 70178157008, 70178157009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	10.0	06/28/21 10:03	

LABORATORY CONTROL SAMPLE: 1084848

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	527	105	90-110	

MATRIX SPIKE SAMPLE: 1084849

Parameter	Units	70178157002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	1000	1010	101	90-110	

MATRIX SPIKE SAMPLE: 1084851

Parameter	Units	70178159001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	1000	1010	101	90-110	

SAMPLE DUPLICATE: 1084850

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	<10.0		

SAMPLE DUPLICATE: 1084852

Parameter	Units	70178159001 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	<10.0		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

QC Batch:	216162	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157007, 70178157008, 70178157009

METHOD BLANK: 1088358 Matrix: Water

Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157007, 70178157008, 70178157009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	07/02/21 00:03	
Sulfate	mg/L	<5.0	5.0	07/02/21 00:03	

LABORATORY CONTROL SAMPLE: 1088359

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.2	102	90-110	
Sulfate	mg/L	10	10.2	102	90-110	

MATRIX SPIKE SAMPLE: 1088360

Parameter	Units	70178030002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	27.5	10	37.0	96	90-110	
Sulfate	mg/L	25.5	10	35.2	96	90-110	

MATRIX SPIKE SAMPLE: 1088362

Parameter	Units	70178157002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	89.0	10	95.5	65	90-110	M1
Sulfate	mg/L	1440	10	<5.0	-14400	90-110	M1

SAMPLE DUPLICATE: 1088361

Parameter	Units	70178030002 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	27.5	27.5	0	
Sulfate	mg/L	25.5	25.6	0	

SAMPLE DUPLICATE: 1088363

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	89.0	88.3	1	

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

QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

SAMPLE DUPLICATE: 1088363

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	1440	<5.0		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

QC Batch: 215164 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrite, Unpres.
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157007, 70178157008, 70178157009

METHOD BLANK: 1083177 Matrix: Water
Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157007, 70178157008, 70178157009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.050	06/24/21 21:37	

LABORATORY CONTROL SAMPLE: 1083178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	0.99	99	90-110	

MATRIX SPIKE SAMPLE: 1083179

Parameter	Units	70178157002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.49	95	90-110	

MATRIX SPIKE SAMPLE: 1083181

Parameter	Units	70178112001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.51	99	90-110	

SAMPLE DUPLICATE: 1083180

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 1083182

Parameter	Units	70178112001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

QC Batch: 215175 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate, Unpres.
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005

METHOD BLANK: 1083211 Matrix: Water
Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	ND	0.050	06/24/21 23:37	

LABORATORY CONTROL SAMPLE: 1083212

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	0.98	98	90-110	

MATRIX SPIKE SAMPLE: 1083213

Parameter	Units	70178157002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.25	2.5	2.4	95	90-110	

MATRIX SPIKE SAMPLE: 1083215

Parameter	Units	70178266001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	6.7	2.5	8.9	86	90-110	M1

SAMPLE DUPLICATE: 1083214

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.25	<0.25		

SAMPLE DUPLICATE: 1083216

Parameter	Units	70178266001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	6.7	6.7	1	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

QC Batch: 215176 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate, Unpres.
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70178157006, 70178157007, 70178157008, 70178157009

METHOD BLANK: 1083217 Matrix: Water
Associated Lab Samples: 70178157006, 70178157007, 70178157008, 70178157009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	ND	0.050	06/25/21 00:17	

LABORATORY CONTROL SAMPLE: 1083218

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	0.99	99	90-110	

MATRIX SPIKE SAMPLE: 1083219

Parameter	Units	70178191001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.23	0.5	0.73	100	90-110	

MATRIX SPIKE SAMPLE: 1083221

Parameter	Units	70178234001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	3.5	2.5	5.8	94	90-110	

SAMPLE DUPLICATE: 1083220

Parameter	Units	70178191001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.23	0.23	1	

SAMPLE DUPLICATE: 1083222

Parameter	Units	70178234001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	3.5	3.5	0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

QC Batch: 216184 Analysis Method: EPA 420.1
QC Batch Method: EPA 420.1 Analysis Description: 420.1 Phenolics Macro
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157007, 70178157008, 70178157009

METHOD BLANK: 1088462 Matrix: Water
Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157007, 70178157008, 70178157009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenolics, Total Recoverable	ug/L	<5.0	5.0	07/02/21 11:38	

LABORATORY CONTROL SAMPLE: 1088463

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	ug/L	100	105	105	90-110	

MATRIX SPIKE SAMPLE: 1088464

Parameter	Units	70177251025 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	ug/L	<5.0	50	62.4	116	75-125	

MATRIX SPIKE SAMPLE: 1088466

Parameter	Units	70178157002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	ug/L	<5.0	50	59.1	114	75-125	

SAMPLE DUPLICATE: 1088465

Parameter	Units	70177251025 Result	Dup Result	RPD	Qualifiers
Phenolics, Total Recoverable	ug/L	<5.0	<5.0		

SAMPLE DUPLICATE: 1088467

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Phenolics, Total Recoverable	ug/L	<5.0	<5.0		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

QC Batch: 216196 Analysis Method: SM22 4500 NH3 H
QC Batch Method: SM22 4500 NH3 H Analysis Description: 4500 Ammonia
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006

METHOD BLANK: 1088537 Matrix: Water
Associated Lab Samples: 70178157001, 70178157002, 70178157003, 70178157004, 70178157005, 70178157006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	07/02/21 13:22	

LABORATORY CONTROL SAMPLE: 1088538

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.97	97	90-110	

MATRIX SPIKE SAMPLE: 1088539

Parameter	Units	70178157002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	4.1	1	4.9	80	75-125	

SAMPLE DUPLICATE: 1088540

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	4.1	4.1	1	

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REPORT OF LABORATORY ANALYSIS

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Page 52 of 64

QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

QC Batch:	216197	Analysis Method:	SM22 4500 NH3 H
QC Batch Method:	SM22 4500 NH3 H	Analysis Description:	4500 Ammonia
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70178157007, 70178157008, 70178157009

METHOD BLANK: 1088541 Matrix: Water

Associated Lab Samples: 70178157007, 70178157008, 70178157009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	07/02/21 13:23	

LABORATORY CONTROL SAMPLE: 1088542

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.97	97	90-110	

MATRIX SPIKE SAMPLE: 1088543

Parameter	Units	70178417001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1.2	1	2.4	118	75-125	

SAMPLE DUPLICATE: 1088544

Parameter	Units	70178417001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	1.2	1.2	1	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

QC Batch: 216341

Analysis Method: EPA 9060A

QC Batch Method: EPA 9060A

Analysis Description: 9060 TOC

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70178157001

METHOD BLANK: 1089365

Matrix: Water

Associated Lab Samples: 70178157001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	ND	1.0	07/03/21 06:00	
Total Organic Carbon	mg/L	ND	1.0	07/03/21 06:00	
Total Organic Carbon	mg/L	ND	1.0	07/03/21 06:00	
Total Organic Carbon	mg/L	ND	1.0	07/03/21 06:00	
Total Organic Carbon	mg/L	ND	1.0	07/03/21 06:00	

LABORATORY CONTROL SAMPLE: 1089366

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	10	9.8	98	85-115	
Total Organic Carbon	mg/L	10	9.3	93	85-115	
Total Organic Carbon	mg/L	10	10.4	104	85-115	
Total Organic Carbon	mg/L	10	9.7	97	85-115	
Total Organic Carbon	mg/L	10	9.7	97	85-115	

MATRIX SPIKE SAMPLE: 1089377

Parameter	Units	70177251025 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	1.0	10	12.4	114	75-125	
Total Organic Carbon	mg/L	0.97J	10	12.5	115	75-125	
Total Organic Carbon	mg/L	1.0	10	12.5	114	75-125	
Total Organic Carbon	mg/L	1.1	10	12.1	110	75-125	
Total Organic Carbon	mg/L	0.87J	10	12.4	115	75-125	

SAMPLE DUPLICATE: 1089376

Parameter	Units	70177251025 Result	Dup Result	RPD	Qualifiers
Mean Total Organic Carbon	mg/L	1.0	<1.0		
Total Organic Carbon	mg/L	1.1	1.0	10	
Total Organic Carbon	mg/L	0.87J	1.1		
Total Organic Carbon	mg/L	0.97J	1.0		
Total Organic Carbon	mg/L	1.0	<1.0		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS

Pace Project No.: 70178157

QC Batch: 216458

Analysis Method: EPA 9060A

QC Batch Method: EPA 9060A

Analysis Description: 9060 TOC

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157008, 70178157009

METHOD BLANK: 1089920

Matrix: Water

Associated Lab Samples: 70178157002, 70178157003, 70178157004, 70178157005, 70178157006, 70178157008, 70178157009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	ND	1.0	07/06/21 20:39	
Total Organic Carbon	mg/L	ND	1.0	07/06/21 20:39	
Total Organic Carbon	mg/L	ND	1.0	07/06/21 20:39	
Total Organic Carbon	mg/L	ND	1.0	07/06/21 20:39	
Total Organic Carbon	mg/L	ND	1.0	07/06/21 20:39	

LABORATORY CONTROL SAMPLE: 1089921

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	10	10.6	106	85-115	
Total Organic Carbon	mg/L	10	10.5	105	85-115	
Total Organic Carbon	mg/L	10	10.8	108	85-115	
Total Organic Carbon	mg/L	10	10.5	105	85-115	
Total Organic Carbon	mg/L	10	10.8	108	85-115	

MATRIX SPIKE SAMPLE: 1089922

Parameter	Units	70178157002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	1.6	10	13.3	116	75-125	
Total Organic Carbon	mg/L	1.5	10	13.4	118	75-125	
Total Organic Carbon	mg/L	1.7	10	13.2	115	75-125	
Total Organic Carbon	mg/L	1.6	10	13.2	116	75-125	
Total Organic Carbon	mg/L	1.7	10	13.4	116	75-125	

SAMPLE DUPLICATE: 1089923

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Mean Total Organic Carbon	mg/L	1.6	2.5	43	D6
Total Organic Carbon	mg/L	1.5	2.9	62	D6
Total Organic Carbon	mg/L	1.7	2.4	37	D6
Total Organic Carbon	mg/L	1.7	2.4	30	D6
Total Organic Carbon	mg/L	1.6	2.5	43	D6

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

QC Batch: 216637 Analysis Method: EPA 9060A
QC Batch Method: EPA 9060A Analysis Description: 9060 TOC
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70178157007

METHOD BLANK: 1090952 Matrix: Water
Associated Lab Samples: 70178157007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	ND	1.0	07/12/21 11:15	
Total Organic Carbon	mg/L	ND	1.0	07/12/21 11:15	
Total Organic Carbon	mg/L	ND	1.0	07/12/21 11:15	
Total Organic Carbon	mg/L	ND	1.0	07/12/21 11:15	
Total Organic Carbon	mg/L	ND	1.0	07/12/21 11:15	

LABORATORY CONTROL SAMPLE: 1090953

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	10	10.4	104	85-115	
Total Organic Carbon	mg/L	10	10.3	103	85-115	
Total Organic Carbon	mg/L	10	10.5	105	85-115	
Total Organic Carbon	mg/L	10	10.6	106	85-115	
Total Organic Carbon	mg/L	10	10.4	104	85-115	

MATRIX SPIKE SAMPLE: 1090955

Parameter	Units	70178119004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	3.0	10	14.9	119	75-125	
Total Organic Carbon	mg/L	3.0	10	15.0	120	75-125	
Total Organic Carbon	mg/L	3.1	10	14.7	117	75-125	
Total Organic Carbon	mg/L	3.0	10	15.1	121	75-125	
Total Organic Carbon	mg/L	3.0	10	14.9	119	75-125	

SAMPLE DUPLICATE: 1090954

Parameter	Units	70178119004 Result	Dup Result	RPD	Qualifiers
Mean Total Organic Carbon	mg/L	3.0	3.0	1	
Total Organic Carbon	mg/L	3.1	2.9	6	
Total Organic Carbon	mg/L	3.0	3.0	2	
Total Organic Carbon	mg/L	3.0	3.1	3	
Total Organic Carbon	mg/L	3.0	3.0	3	

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REPORT OF LABORATORY ANALYSIS

QUALIFIERS

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 70178157001
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70178157002
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70178157003
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70178157004
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70178157005
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70178157006
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70178157007
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70178157008
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70178157009
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

SAMPLE QUALIFIERS

Sample: 70178157010

[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.

Sample: 1085052

[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.

Sample: 1085053

[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
v3 The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70178157001	MW-5S	EPA 3005A	216070	EPA 6010C	216236
70178157002	MW-5D	EPA 3005A	216070	EPA 6010C	216236
70178157003	MW-6S	EPA 3005A	216070	EPA 6010C	216236
70178157004	MW-6D	EPA 3005A	216070	EPA 6010C	216236
70178157005	MW-8S	EPA 3005A	216070	EPA 6010C	216236
70178157006	MW-8D	EPA 3005A	216070	EPA 6010C	216236
70178157007	MW-9S	EPA 3005A	216070	EPA 6010C	216236
70178157008	MW-9D	EPA 3005A	216070	EPA 6010C	216236
70178157009	MW-X	EPA 3005A	216070	EPA 6010C	216236
70178157003	MW-6S	EPA 6010C	216267		
70178157007	MW-9S	EPA 6010C	216267		
70178157003	MW-6S	EPA 7470A	215613	EPA 7470A	215667
70178157007	MW-9S	EPA 7470A	215613	EPA 7470A	215667
70178157001	MW-5S	EPA 624.1	215475		
70178157002	MW-5D	EPA 624.1	215475		
70178157003	MW-6S	EPA 624.1	215475		
70178157004	MW-6D	EPA 624.1	215475		
70178157005	MW-8S	EPA 624.1	215475		
70178157006	MW-8D	EPA 624.1	215475		
70178157007	MW-9S	EPA 624.1	215475		
70178157008	MW-9D	EPA 624.1	215475		
70178157009	MW-X	EPA 624.1	215475		
70178157010	TRIP BLANK	EPA 624.1	215475		
70178157001	MW-5S	EPA 180.1	215105		
70178157002	MW-5D	EPA 180.1	215105		
70178157003	MW-6S	EPA 180.1	215105		
70178157004	MW-6D	EPA 180.1	215105		
70178157005	MW-8S	EPA 180.1	215105		
70178157006	MW-8D	EPA 180.1	215105		
70178157007	MW-9S	EPA 180.1	215105		
70178157008	MW-9D	EPA 180.1	215105		
70178157009	MW-X	EPA 180.1	215105		
70178157001	MW-5S	SM22 2320B	216166		
70178157002	MW-5D	SM22 2320B	216166		
70178157003	MW-6S	SM22 2320B	216166		
70178157004	MW-6D	SM22 2320B	216166		
70178157005	MW-8S	SM22 2320B	216166		
70178157006	MW-8D	SM22 2320B	216166		
70178157007	MW-9S	SM22 2320B	216228		
70178157008	MW-9D	SM22 2320B	216228		
70178157009	MW-X	SM22 2320B	216228		
70178157001	MW-5S	SM22 2340C	216247		
70178157002	MW-5D	SM22 2340C	216247		
70178157003	MW-6S	SM22 2340C	216247		
70178157004	MW-6D	SM22 2340C	216247		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70178157005	MW-8S	SM22 2340C	216247		
70178157006	MW-8D	SM22 2340C	216247		
70178157007	MW-9S	SM22 2340C	216247		
70178157008	MW-9D	SM22 2340C	216247		
70178157009	MW-X	SM22 2340C	216247		
70178157001	MW-5S	SM22 2540C	215816		
70178157002	MW-5D	SM22 2540C	215816		
70178157003	MW-6S	SM22 2540C	215816		
70178157004	MW-6D	SM22 2540C	215816		
70178157005	MW-8S	SM22 2540C	215816		
70178157006	MW-8D	SM22 2540C	215816		
70178157007	MW-9S	SM22 2540C	215816		
70178157008	MW-9D	SM22 2540C	215816		
70178157009	MW-X	SM22 2540C	215816		
70178157001	MW-5S	EPA 410.4	215399	EPA 410.4	215434
70178157002	MW-5D	EPA 410.4	215399	EPA 410.4	215434
70178157003	MW-6S	EPA 410.4	215399	EPA 410.4	215434
70178157004	MW-6D	EPA 410.4	215399	EPA 410.4	215434
70178157005	MW-8S	EPA 410.4	215399	EPA 410.4	215434
70178157006	MW-8D	EPA 410.4	215399	EPA 410.4	215434
70178157007	MW-9S	EPA 410.4	215399	EPA 410.4	215434
70178157008	MW-9D	EPA 410.4	215399	EPA 410.4	215434
70178157009	MW-X	EPA 410.4	215399	EPA 410.4	215434
70178157001	MW-5S	EPA 300.0	216162		
70178157002	MW-5D	EPA 300.0	216162		
70178157003	MW-6S	EPA 300.0	216162		
70178157004	MW-6D	EPA 300.0	216162		
70178157005	MW-8S	EPA 300.0	216162		
70178157006	MW-8D	EPA 300.0	216162		
70178157007	MW-9S	EPA 300.0	216162		
70178157008	MW-9D	EPA 300.0	216162		
70178157009	MW-X	EPA 300.0	216162		
70178157001	MW-5S	EPA 353.2	215175		
70178157002	MW-5D	EPA 353.2	215175		
70178157003	MW-6S	EPA 353.2	215175		
70178157004	MW-6D	EPA 353.2	215175		
70178157005	MW-8S	EPA 353.2	215175		
70178157006	MW-8D	EPA 353.2	215176		
70178157007	MW-9S	EPA 353.2	215176		
70178157008	MW-9D	EPA 353.2	215176		
70178157009	MW-X	EPA 353.2	215176		
70178157001	MW-5S	EPA 353.2	215164		
70178157002	MW-5D	EPA 353.2	215164		
70178157003	MW-6S	EPA 353.2	215164		
70178157004	MW-6D	EPA 353.2	215164		
70178157005	MW-8S	EPA 353.2	215164		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF VAN BUREN LF WELLS
Pace Project No.: 70178157

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70178157006	MW-8D	EPA 353.2	215164		
70178157007	MW-9S	EPA 353.2	215164		
70178157008	MW-9D	EPA 353.2	215164		
70178157009	MW-X	EPA 353.2	215164		
70178157001	MW-5S	EPA 420.1	216184	EPA 420.1	216257
70178157002	MW-5D	EPA 420.1	216184	EPA 420.1	216257
70178157003	MW-6S	EPA 420.1	216184	EPA 420.1	216257
70178157004	MW-6D	EPA 420.1	216184	EPA 420.1	216257
70178157005	MW-8S	EPA 420.1	216184	EPA 420.1	216257
70178157006	MW-8D	EPA 420.1	216184	EPA 420.1	216257
70178157007	MW-9S	EPA 420.1	216184	EPA 420.1	216257
70178157008	MW-9D	EPA 420.1	216184	EPA 420.1	216257
70178157009	MW-X	EPA 420.1	216184	EPA 420.1	216257
70178157001	MW-5S	SM22 4500 NH3 H	216196		
70178157002	MW-5D	SM22 4500 NH3 H	216196		
70178157003	MW-6S	SM22 4500 NH3 H	216196		
70178157004	MW-6D	SM22 4500 NH3 H	216196		
70178157005	MW-8S	SM22 4500 NH3 H	216196		
70178157006	MW-8D	SM22 4500 NH3 H	216196		
70178157007	MW-9S	SM22 4500 NH3 H	216197		
70178157008	MW-9D	SM22 4500 NH3 H	216197		
70178157009	MW-X	SM22 4500 NH3 H	216197		
70178157001	MW-5S	EPA 9060A	216341		
70178157002	MW-5D	EPA 9060A	216458		
70178157003	MW-6S	EPA 9060A	216458		
70178157004	MW-6D	EPA 9060A	216458		
70178157005	MW-8S	EPA 9060A	216458		
70178157006	MW-8D	EPA 9060A	216458		
70178157007	MW-9S	EPA 9060A	216637		
70178157008	MW-9D	EPA 9060A	216458		
70178157009	MW-X	EPA 9060A	216458		

REPORT OF LABORATORY ANALYSIS

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Enalytic, LLC

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

Chain of Custody Record

Client: Enalytic, LLC Project #/ Project Name: Town of Van Buren Landfill Wells

Client Contact: Anthony Scala (315) 437-0255 x11 Date: 6-23-21

Sample ID: MW-5S Matrix: Water Time: 835

Lab Internal Use Only: GRAB OR COMP: Grab

Number of Containers: 6

Remarks: 1988 NYSDEC Part 360 Routine List Non-ASP

MW-5D (MS/MSD)

MW-6S

MW-6D

MW-8S

MW-8D

MW-9S

MW-9D

MW-X (DUPE)

WO#: 70178157



Parameter and Method	Sample bottle:	Type	Size	Preservative	Sampled by (Print)	Name of Courier
1 Field Parameters: pH, Eh, Temp., Cond., SWL, Turbidity	N/A	N/A	N/A	N/A	Brian Nichols	Zion Environmental
2 Nitrate, TDS, Sulfate, Alkalinity, Chloride, Turbidity	2 Plastic	2 Plastic	1 Liter	NONE	Relinquished by: (sign)	Received by: (sign)
3 Ammonia, COD, Total Phenols	Amber	Amber	250 ML	H2SO4	Relinquished by: (sign)	Received by: (sign)
4 TOC	2 Vials	2 Vials	40 ml	H2SO4	Relinquished by: (sign)	Received by: (sign)
5 T-Cd, Ca, Fe, Pb, Mg, Mn, K, Na and Total Hardness	Plastic	Plastic	250 ML	HNO3	Relinquished by: (sign)	Received by: (sign)
6 Dissolved Metals	Plastic	Plastic	500 mL	None	Relinquished by: (sign)	Received by: (sign)
7					Relinquished by: (sign)	Received by: (sign)
8					Relinquished by: (sign)	Received by: (sign)
9					Relinquished by: (sign)	Received by: (sign)
10					Relinquished by: (sign)	Received by: (sign)

visit our website at: www.enalytic.com



Sample Condition Upon Receipt

WO#: 70178157

Client Name:

Project

PM: LS1

Due Date: 07/02/21

CLIENT: ENALYTIC

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

Tracking #: 7740 8027 5712

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals intact: ☐ Yes ☐ NoPacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Thermometer Used: TH091

Correction Factor: +0.0

Cooler Temperature(°C): 1.3

Cooler Temperature Corrected(°C): 1.3

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

Date and Initials of person examining contents: UN 6/24/21

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ NoDid samples originate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☒ No

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

Chain of Custody Present:				1.
☒ Yes ☐ No				2.
Chain of Custody Filled Out:				3.
☒ Yes ☐ No				4.
Chain of Custody Relinquished:				5.
☒ Yes ☐ No ☐ N/A				6.
Sampler Name & Signature on COC:				7.
☒ Yes ☐ No				8.
Samples Arrived within Hold Time:				9.
☒ Yes ☐ No				10.
Short Hold Time Analysis (<72hr):				11.
☒ Yes ☐ No				12.
Rush Turn Around Time Requested:				13.
☐ Yes ☒ No				14.
Sufficient Volume: (Triple volume provided for)				15.
☒ Yes ☐ No				16.
Correct Containers Used:				17.
☒ Yes ☐ No				18.
-Pace Containers Used:				19.
☒ Yes ☐ No				20.
Containers Intact:				21.
☒ Yes ☐ No ☐ N/A				22.
Filtered volume received for Dissolved tests				23.
☐ Yes ☐ No ☐ N/A				24.
Sample Labels match COC:				25.
☒ Yes ☐ No				26.
-Includes date/time/ID, Matrix: SL WT OIL				27.
All containers needing preservation have been checked?				28.
☒ Yes ☐ No ☐ N/A				29.
pH paper Lot # HCU5968				30.
All containers needing preservation are found to be in compliance with method recommendation?				31.
☒ Yes ☐ No ☐ N/A				32.
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)				33.
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				34.
Per Method, VOA pH is checked after analysis				35.
Samples checked for dechlorination:				36.
☐ Yes ☐ No ☐ N/A				37.
KI starch test strips Lot #				38.
Residual chlorine strips Lot #				39.
SM 4500 CN samples checked for sulfide?				40.
☐ Yes ☐ No ☐ N/A				41.
Lead Acetate Strips Lot #				42.
Headspace in VOA Vials (>6mm):				43.
☒ Yes ☒ No ☐ N/A				44.
Trip Blank Present:				45.
☒ Yes ☒ No ☐ N/A				46.
Trip Blank Custody Seals Present				47.
☒ Yes ☐ No ☐ N/A				48.
Pace Trip Blank Lot # (if applicable):				49.

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:



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

July 09, 2021

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

RE: Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 70178159

Dear Tony Scala:

Enclosed are the analytical results for sample(s) received by the laboratory on June 24, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

Lea Sherman
lea.sherman@pacelabs.com
(631)694-3040
Project Manager

Enclosures

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



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 70178159

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 70178159

Sample: RW-A (MILLER)		Lab ID: 70178159001	Collected: 06/22/21 15:45		Received: 06/24/21 10:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Cadmium	<2.5	ug/L	2.5	1	07/02/21 07:08	07/08/21 11:24	7440-43-9	
Calcium	248	ug/L	200	1	07/02/21 07:08	07/08/21 11:24	7440-70-2	
Iron	<20.0	ug/L	20.0	1	07/02/21 07:08	07/08/21 11:24	7439-89-6	
Lead	<5.0	ug/L	5.0	1	07/02/21 07:08	07/08/21 11:24	7439-92-1	
Magnesium	<200	ug/L	200	1	07/02/21 07:08	07/08/21 11:24	7439-95-4	
Manganese	<10.0	ug/L	10.0	1	07/02/21 07:08	07/08/21 11:24	7439-96-5	
Potassium	<5000	ug/L	5000	1	07/02/21 07:08	07/08/21 11:24	7440-09-7	
Sodium	20500	ug/L	5000	1	07/02/21 07:08	07/08/21 11:24	7440-23-5	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		06/24/21 22:02	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/24/21 22:02	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/24/21 22:02	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/24/21 22:02	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/24/21 22:02	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/24/21 22:02	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/24/21 22:02	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/24/21 22:02	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/24/21 22:02	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/24/21 22:02	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/24/21 22:02	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/24/21 22:02	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/24/21 22:02	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/24/21 22:02	75-71-8	v3
1,1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/24/21 22:02	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/24/21 22:02	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/24/21 22:02	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/24/21 22:02	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/24/21 22:02	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/24/21 22:02	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/24/21 22:02	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/24/21 22:02	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/24/21 22:02	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/24/21 22:02	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/24/21 22:02	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/24/21 22:02	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/24/21 22:02	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/24/21 22:02	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/24/21 22:02	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/24/21 22:02	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/24/21 22:02	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/24/21 22:02	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/24/21 22:02	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	99	%	69-122	1		06/24/21 22:02	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 70178159

Sample: RW-A (MILLER)		Lab ID: 70178159001	Collected: 06/22/21 15:45	Received: 06/24/21 10:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville						
Surrogates								
Toluene-d8 (S)	99	%	79-110	1		06/24/21 22:02	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%	74-119	1		06/24/21 22:02	17060-07-0	
180.1 Turbidity		Analytical Method: EPA 180.1 Pace Analytical Services - Melville						
Turbidity	<1.0	NTU		1		06/24/21 14:21		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville						
Alkalinity, Total as CaCO ₃	12.6	mg/L		1		07/02/21 15:10		
2340C Hardness, Total		Analytical Method: SM22 2340C Pace Analytical Services - Melville						
Tot Hardness asCaCO ₃ (SM 2340B	<5.0	mg/L		1		07/02/21 14:43		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville						
Total Dissolved Solids	112	mg/L		1		06/28/21 16:47		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville						
Chemical Oxygen Demand	<10.0	mg/L		1	06/28/21 07:54	06/28/21 10:09		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville						
Chloride	4.6	mg/L		1		07/02/21 05:42	16887-00-6	
Sulfate	31.9	mg/L		1		07/02/21 05:42	14808-79-8	
353.2 Nitrogen, NO₂/NO₃ unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville						
Nitrate as N	<0.25	mg/L		5		06/25/21 00:33	14797-55-8	
Nitrate-Nitrite (as N)	<0.25	mg/L		5		06/25/21 00:33	7727-37-9	H1
353.2 Nitrogen, NO₂		Analytical Method: EPA 353.2 Pace Analytical Services - Melville						
Nitrite as N	<0.050	mg/L		1		06/24/21 21:55	14797-65-0	H1
Phenolics, Total Recoverable		Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville						
Phenolics, Total Recoverable	<5.0	ug/L		1	07/02/21 09:32	07/02/21 11:59		

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 70178159

Sample: RW-A (MILLER)		Lab ID: 70178159001	Collected: 06/22/21 15:45	Received: 06/24/21 10:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/02/21 13:29	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A Pace Analytical Services - Melville						
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 23:55	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 23:55	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 23:55	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 23:55	7440-44-0	
Mean Total Organic Carbon	<1.0	mg/L	1.0	1		07/06/21 23:55	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 70178159

Sample: RW-A INFLUENT		Lab ID: 70178159002	Collected: 06/22/21 15:56		Received: 06/24/21 10:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		06/24/21 22:22	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/24/21 22:22	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/24/21 22:22	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/24/21 22:22	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/24/21 22:22	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/24/21 22:22	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/24/21 22:22	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/24/21 22:22	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/24/21 22:22	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/24/21 22:22	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/24/21 22:22	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/24/21 22:22	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/24/21 22:22	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/24/21 22:22	75-71-8	v3
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/24/21 22:22	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/24/21 22:22	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/24/21 22:22	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/24/21 22:22	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/24/21 22:22	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/24/21 22:22	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/24/21 22:22	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/24/21 22:22	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/24/21 22:22	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/24/21 22:22	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/24/21 22:22	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/24/21 22:22	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/24/21 22:22	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/24/21 22:22	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/24/21 22:22	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/24/21 22:22	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/24/21 22:22	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/24/21 22:22	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/24/21 22:22	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	98	%	69-122	1		06/24/21 22:22	460-00-4	
Toluene-d8 (S)	100	%	79-110	1		06/24/21 22:22	2037-26-5	
1,2-Dichloroethane-d4 (S)	100	%	74-119	1		06/24/21 22:22	17060-07-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 70178159

Sample: RW-B (NOLAN)		Lab ID: 70178159003	Collected: 06/22/21 16:15	Received: 06/24/21 10:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Cadmium	<2.5	ug/L	2.5	1	07/02/21 07:08	07/08/21 11:26	7440-43-9	
Calcium	2140	ug/L	200	1	07/02/21 07:08	07/08/21 11:26	7440-70-2	
Iron	<20.0	ug/L	20.0	1	07/02/21 07:08	07/08/21 11:26	7439-89-6	
Lead	<5.0	ug/L	5.0	1	07/02/21 07:08	07/08/21 11:26	7439-92-1	
Magnesium	<200	ug/L	200	1	07/02/21 07:08	07/08/21 11:26	7439-95-4	
Manganese	<10.0	ug/L	10.0	1	07/02/21 07:08	07/08/21 11:26	7439-96-5	
Potassium	<5000	ug/L	5000	1	07/02/21 07:08	07/08/21 11:26	7440-09-7	
Sodium	5800	ug/L	5000	1	07/02/21 07:08	07/08/21 11:26	7440-23-5	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		06/24/21 21:43	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/24/21 21:43	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/24/21 21:43	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/24/21 21:43	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/24/21 21:43	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/24/21 21:43	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/24/21 21:43	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/24/21 21:43	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/24/21 21:43	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/24/21 21:43	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/24/21 21:43	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/24/21 21:43	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/24/21 21:43	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/24/21 21:43	75-71-8	v3
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/24/21 21:43	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/24/21 21:43	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/24/21 21:43	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/24/21 21:43	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/24/21 21:43	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/24/21 21:43	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/24/21 21:43	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/24/21 21:43	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/24/21 21:43	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/24/21 21:43	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/24/21 21:43	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/24/21 21:43	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/24/21 21:43	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/24/21 21:43	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/24/21 21:43	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/24/21 21:43	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/24/21 21:43	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/24/21 21:43	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/24/21 21:43	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	99	%	69-122	1		06/24/21 21:43	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 70178159

Sample: RW-B (NOLAN)		Lab ID: 70178159003		Collected: 06/22/21 16:15		Received: 06/24/21 10:50		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Surrogates									
Toluene-d8 (S)		100	%	79-110	1		06/24/21 21:43	2037-26-5	
1,2-Dichloroethane-d4 (S)		101	%	74-119	1		06/24/21 21:43	17060-07-0	
180.1 Turbidity		Analytical Method: EPA 180.1 Pace Analytical Services - Melville							
Turbidity		<1.0	NTU	1.0	1		06/24/21 14:21		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3		6.4	mg/L	1.0	1		07/02/21 15:13		
2340C Hardness, Total		Analytical Method: SM22 2340C Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B		<5.0	mg/L	5.0	1		07/02/21 14:43		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids		82.0	mg/L	10.0	1		06/28/21 16:48		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville							
Chemical Oxygen Demand		<10.0	mg/L	10.0	1	06/28/21 07:54	06/28/21 10:09		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride		4.0	mg/L	2.0	1		07/02/21 06:23	16887-00-6	
Sulfate		10.6	mg/L	5.0	1		07/02/21 06:23	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N		0.37	mg/L	0.25	5		06/25/21 00:34	14797-55-8	
Nitrate-Nitrite (as N)		0.38	mg/L	0.25	5		06/25/21 00:34	7727-37-9	H1
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N		<0.050	mg/L	0.050	1		06/24/21 21:56	14797-65-0	H1
Phenolics, Total Recoverable		Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville							
Phenolics, Total Recoverable		<5.0	ug/L	5.0	1	07/02/21 09:32	07/02/21 12:00		

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

ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 70178159

Sample: RW-B (NOLAN)		Lab ID: 70178159003	Collected: 06/22/21 16:15	Received: 06/24/21 10:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/02/21 13:30	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A Pace Analytical Services - Melville						
Total Organic Carbon	<1.0	mg/L	1.0	1		07/07/21 00:06	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		07/07/21 00:06	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		07/07/21 00:06	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		07/07/21 00:06	7440-44-0	
Mean Total Organic Carbon	<1.0	mg/L	1.0	1		07/07/21 00:06	7440-44-0	

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Page 9 of 34



ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 70178159

Sample: RW-C (DAVIS)		Lab ID: 70178159004	Collected: 06/22/21 15:00	Received: 06/24/21 10:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Cadmium	<2.5	ug/L	2.5	1	07/02/21 07:08	07/08/21 11:28	7440-43-9	
Calcium	<200	ug/L	200	1	07/02/21 07:08	07/08/21 11:28	7440-70-2	
Iron	<20.0	ug/L	20.0	1	07/02/21 07:08	07/08/21 11:28	7439-89-6	
Lead	<5.0	ug/L	5.0	1	07/02/21 07:08	07/08/21 11:28	7439-92-1	
Magnesium	<200	ug/L	200	1	07/02/21 07:08	07/08/21 11:28	7439-95-4	
Manganese	<10.0	ug/L	10.0	1	07/02/21 07:08	07/08/21 11:28	7439-96-5	
Potassium	<5000	ug/L	5000	1	07/02/21 07:08	07/08/21 11:28	7440-09-7	
Sodium	27300	ug/L	5000	1	07/02/21 07:08	07/08/21 11:28	7440-23-5	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		06/24/21 21:04	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/24/21 21:04	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/24/21 21:04	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/24/21 21:04	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/24/21 21:04	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/24/21 21:04	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/24/21 21:04	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/24/21 21:04	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/24/21 21:04	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/24/21 21:04	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/24/21 21:04	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/24/21 21:04	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/24/21 21:04	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/24/21 21:04	75-71-8	v3
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/24/21 21:04	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/24/21 21:04	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/24/21 21:04	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/24/21 21:04	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/24/21 21:04	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/24/21 21:04	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/24/21 21:04	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/24/21 21:04	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/24/21 21:04	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/24/21 21:04	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/24/21 21:04	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/24/21 21:04	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/24/21 21:04	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/24/21 21:04	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/24/21 21:04	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/24/21 21:04	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/24/21 21:04	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/24/21 21:04	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/24/21 21:04	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	99	%	69-122	1		06/24/21 21:04	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 70178159

Sample: RW-C (DAVIS)		Lab ID: 70178159004		Collected: 06/22/21 15:00		Received: 06/24/21 10:50		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Surrogates									
Toluene-d8 (S)		100	%	79-110	1		06/24/21 21:04	2037-26-5	
1,2-Dichloroethane-d4 (S)		101	%	74-119	1		06/24/21 21:04	17060-07-0	
180.1 Turbidity		Analytical Method: EPA 180.1 Pace Analytical Services - Melville							
Turbidity		<1.0	NTU	1.0	1		06/24/21 14:21		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3		9.1	mg/L	1.0	1		07/02/21 15:18		
2340C Hardness, Total		Analytical Method: SM22 2340C Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B)		<5.0	mg/L	5.0	1		07/02/21 14:43		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids		90.0	mg/L	10.0	1		06/28/21 16:59		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville							
Chemical Oxygen Demand		24.9	mg/L	10.0	1	06/28/21 07:54	06/28/21 10:09		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride		10.6	mg/L	2.0	1		07/02/21 06:37	16887-00-6	
Sulfate		39.4	mg/L	5.0	1		07/02/21 06:37	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N		<0.25	mg/L	0.25	5		06/25/21 00:35	14797-55-8	
Nitrate-Nitrite (as N)		<0.25	mg/L	0.25	5		06/25/21 00:35	7727-37-9	H1
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N		<0.050	mg/L	0.050	1		06/24/21 21:57	14797-65-0	H1
Phenolics, Total Recoverable		Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - Melville							
Phenolics, Total Recoverable		<5.0	ug/L	5.0	1	07/02/21 09:32	07/02/21 12:00		

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

ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 70178159

Sample: RW-C (DAVIS)		Lab ID: 70178159004	Collected: 06/22/21 15:00	Received: 06/24/21 10:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/02/21 13:31	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A Pace Analytical Services - Melville						
Total Organic Carbon	<1.0	mg/L	1.0	1		07/07/21 03:26	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		07/07/21 03:26	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		07/07/21 03:26	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		07/07/21 03:26	7440-44-0	
Mean Total Organic Carbon	<1.0	mg/L	1.0	1		07/07/21 03:26	7440-44-0	

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Page 12 of 34



ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 70178159

Sample: TRIP BLANK		Lab ID: 70178159005	Collected: 06/22/21 00:00	Received: 06/24/21 10:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		06/24/21 21:24	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/24/21 21:24	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/24/21 21:24	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/24/21 21:24	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/24/21 21:24	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/24/21 21:24	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/24/21 21:24	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/24/21 21:24	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/24/21 21:24	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/24/21 21:24	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/24/21 21:24	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/24/21 21:24	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/24/21 21:24	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/24/21 21:24	75-71-8	v3
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/24/21 21:24	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/24/21 21:24	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/24/21 21:24	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/24/21 21:24	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/24/21 21:24	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/24/21 21:24	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/24/21 21:24	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/24/21 21:24	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/24/21 21:24	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/24/21 21:24	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/24/21 21:24	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/24/21 21:24	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/24/21 21:24	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/24/21 21:24	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/24/21 21:24	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/24/21 21:24	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/24/21 21:24	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/24/21 21:24	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/24/21 21:24	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	98	%	69-122	1		06/24/21 21:24	460-00-4	
Toluene-d8 (S)	100	%	79-110	1		06/24/21 21:24	2037-26-5	
1,2-Dichloroethane-d4 (S)	101	%	74-119	1		06/24/21 21:24	17060-07-0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 70178159

QC Batch: 216070

Analysis Method: EPA 6010C

QC Batch Method: EPA 3005A

Analysis Description: 6010 MET Water

Laboratory:

Pace Analytical Services - Melville

Associated Lab Samples: 70178159001, 70178159003, 70178159004

METHOD BLANK: 1087638

Matrix: Water

Associated Lab Samples: 70178159001, 70178159003, 70178159004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	ug/L	<2.5	2.5	07/08/21 10:44	
Calcium	ug/L	<200	200	07/08/21 10:44	
Iron	ug/L	<20.0	20.0	07/08/21 10:44	
Lead	ug/L	<5.0	5.0	07/08/21 10:44	
Magnesium	ug/L	<200	200	07/08/21 10:44	
Manganese	ug/L	<10.0	10.0	07/08/21 10:44	
Potassium	ug/L	<5000	5000	07/08/21 10:44	
Sodium	ug/L	<5000	5000	07/08/21 10:44	

LABORATORY CONTROL SAMPLE: 1087639

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	500	518	104	80-120	
Calcium	ug/L	25000	26200	105	80-120	
Iron	ug/L	12500	13100	105	80-120	
Lead	ug/L	500	523	105	80-120	
Magnesium	ug/L	25000	25500	102	80-120	
Manganese	ug/L	500	516	103	80-120	
Potassium	ug/L	25000	23800	95	80-120	
Sodium	ug/L	25000	24900	100	80-120	

MATRIX SPIKE SAMPLE: 1087641

Parameter	Units	70178157002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	<2.5	200	190	95	75-125	
Calcium	ug/L	402000	10000	414000	120	75-125	
Iron	ug/L	2990	5000	7900	98	75-125	
Lead	ug/L	<5.0	200	191	95	75-125	
Magnesium	ug/L	18300	10000	27600	93	75-125	
Manganese	ug/L	74.2	200	266	96	75-125	
Potassium	ug/L	52700	10000	62800	101	75-125	
Sodium	ug/L	60300	10000	69800	95	75-125	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 70178159

SAMPLE DUPLICATE: 1087640

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Cadmium	ug/L	<2.5	<2.5		
Calcium	ug/L	402000	414000	3	
Iron	ug/L	2990	3090	4	
Lead	ug/L	<5.0	<5.0		
Magnesium	ug/L	18300	18900	3	
Manganese	ug/L	74.2	76.2	3	
Potassium	ug/L	52700	54400	3	
Sodium	ug/L	60300	62100	3	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 70178159

QC Batch:	215206	Analysis Method:	EPA 624.1
QC Batch Method:	EPA 624.1	Analysis Description:	624.1 MSV
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70178159001, 70178159002, 70178159003, 70178159004, 70178159005

METHOD BLANK: 1083282 Matrix: Water

Associated Lab Samples: 70178159001, 70178159002, 70178159003, 70178159004, 70178159005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	06/24/21 15:29	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	06/24/21 15:29	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	06/24/21 15:29	
1,1-Dichloroethane	ug/L	<1.0	1.0	06/24/21 15:29	
1,1-Dichloroethene	ug/L	<1.0	1.0	06/24/21 15:29	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	06/24/21 15:29	
1,2-Dichloroethane	ug/L	<1.0	1.0	06/24/21 15:29	
1,2-Dichloropropane	ug/L	<1.0	1.0	06/24/21 15:29	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	06/24/21 15:29	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	06/24/21 15:29	
Benzene	ug/L	<1.0	1.0	06/24/21 15:29	
Bromodichloromethane	ug/L	<1.0	1.0	06/24/21 15:29	
Bromoform	ug/L	<1.0	1.0	06/24/21 15:29	
Bromomethane	ug/L	<1.0	1.0	06/24/21 15:29	
Carbon tetrachloride	ug/L	<1.0	1.0	06/24/21 15:29	
Chlorobenzene	ug/L	<1.0	1.0	06/24/21 15:29	
Chloroethane	ug/L	<1.0	1.0	06/24/21 15:29	
Chloroform	ug/L	<1.0	1.0	06/24/21 15:29	
Chloromethane	ug/L	<1.0	1.0	06/24/21 15:29	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	06/24/21 15:29	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	06/24/21 15:29	
Dibromochloromethane	ug/L	<1.0	1.0	06/24/21 15:29	
Dichlorodifluoromethane	ug/L	<1.0	1.0	06/24/21 15:29	v3
Ethylbenzene	ug/L	<1.0	1.0	06/24/21 15:29	
Methylene Chloride	ug/L	<1.0	1.0	06/24/21 15:29	
Tetrachloroethene	ug/L	<1.0	1.0	06/24/21 15:29	
Toluene	ug/L	<1.0	1.0	06/24/21 15:29	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	06/24/21 15:29	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	06/24/21 15:29	
Trichloroethene	ug/L	<1.0	1.0	06/24/21 15:29	
Trichlorofluoromethane	ug/L	<1.0	1.0	06/24/21 15:29	
Vinyl chloride	ug/L	<1.0	1.0	06/24/21 15:29	
Xylene (Total)	ug/L	<1.0	1.0	06/24/21 15:29	
1,2-Dichloroethane-d4 (S)	%	102	74-119	06/24/21 15:29	
4-Bromofluorobenzene (S)	%	101	69-122	06/24/21 15:29	
Toluene-d8 (S)	%	99	79-110	06/24/21 15:29	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 70178159

LABORATORY CONTROL SAMPLE: 1083283

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	17.1	85	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	17.2	86	60-140	
1,1,2-Trichloroethane	ug/L	20	20.0	100	70-130	
1,1-Dichloroethane	ug/L	20	18.7	93	70-130	
1,1-Dichloroethene	ug/L	20	16.5	82	70-130	
1,2-Dichlorobenzene	ug/L	20	19.9	99	65-135	
1,2-Dichloroethane	ug/L	20	19.2	96	70-130	
1,2-Dichloropropane	ug/L	20	20.9	104	35-165	
1,3-Dichlorobenzene	ug/L	20	19.9	99	70-130	
1,4-Dichlorobenzene	ug/L	20	19.9	99	65-135	
Benzene	ug/L	20	19.4	97	65-135	
Bromodichloromethane	ug/L	20	20.0	100	65-135	
Bromoform	ug/L	20	15.0	75	70-130	
Bromomethane	ug/L	20	21.3	106	15-185	
Carbon tetrachloride	ug/L	20	16.1	81	70-130	
Chlorobenzene	ug/L	20	19.7	98	65-135	
Chloroethane	ug/L	20	15.8	79	40-160	
Chloroform	ug/L	20	19.0	95	70-135	
Chloromethane	ug/L	20	14.2	71	10-205	
cis-1,2-Dichloroethene	ug/L	20	18.9	94	57-138	
cis-1,3-Dichloropropene	ug/L	20	20.4	102	25-175	
Dibromochloromethane	ug/L	20	17.6	88	70-135	
Dichlorodifluoromethane	ug/L	20	11.1	55	10-139 v3	
Ethylbenzene	ug/L	20	18.3	91	60-140	
Methylene Chloride	ug/L	20	19.8	99	60-140	
Tetrachloroethene	ug/L	20	17.2	86	65-135	
Toluene	ug/L	20	19.7	99	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.3	91	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.4	102	50-150	
Trichloroethene	ug/L	20	18.0	90	65-135	
Trichlorofluoromethane	ug/L	20	15.1	75	50-150	
Vinyl chloride	ug/L	20	13.7	68	5-195	
Xylene (Total)	ug/L	60	56.6	94	67-132	
1,2-Dichloroethane-d4 (S)	%			97	74-119	
4-Bromofluorobenzene (S)	%			99	69-122	
Toluene-d8 (S)	%			99	79-110	

MATRIX SPIKE SAMPLE: 1083284

Parameter	Units	70178159003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	20	20.8	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	17.4	87	40-160	
1,1,2-Trichloroethane	ug/L	<1.0	20	19.7	98	70-130	
1,1-Dichloroethane	ug/L	<1.0	20	20.8	104	70-130	
1,1-Dichloroethene	ug/L	<1.0	20	21.4	107	50-150	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 70178159

MATRIX SPIKE SAMPLE:		1083284	70178159003	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers	
1,2-Dichlorobenzene	ug/L	<1.0	20	20.6	103	62-135		
1,2-Dichloroethane	ug/L	<1.0	20	19.5	98	70-130		
1,2-Dichloropropane	ug/L	<1.0	20	22.1	111	35-165		
1,3-Dichlorobenzene	ug/L	<1.0	20	21.4	107	70-130		
1,4-Dichlorobenzene	ug/L	<1.0	20	21.0	105	65-135		
Benzene	ug/L	<1.0	20	21.7	108	37-151		
Bromodichloromethane	ug/L	<1.0	20	19.7	98	65-135		
Bromoform	ug/L	<1.0	20	14.1	70	70-130		
Bromomethane	ug/L	<1.0	20	23.1	116	15-185		
Carbon tetrachloride	ug/L	<1.0	20	20.3	101	70-130		
Chlorobenzene	ug/L	<1.0	20	21.4	107	65-135		
Chloroethane	ug/L	<1.0	20	19.5	98	40-160		
Chloroform	ug/L	<1.0	20	21.1	105	70-135		
Chloromethane	ug/L	<1.0	20	17.5	87	10-205		
cis-1,2-Dichloroethene	ug/L	<1.0	20	20.4	102	57-139		
cis-1,3-Dichloropropene	ug/L	<1.0	20	20.2	101	25-175		
Dibromochloromethane	ug/L	<1.0	20	16.8	84	70-135		
Dichlorodifluoromethane	ug/L	<1.0	20	15.8	79	10-139 v3		
Ethylbenzene	ug/L	<1.0	20	21.0	105	40-160		
Methylene Chloride	ug/L	<1.0	20	21.0	105	40-160		
Tetrachloroethene	ug/L	<1.0	20	21.5	108	70-130		
Toluene	ug/L	<1.0	20	22.5	112	70-130		
trans-1,2-Dichloroethene	ug/L	<1.0	20	22.0	110	70-130		
trans-1,3-Dichloropropene	ug/L	<1.0	20	19.4	97	50-150		
Trichloroethene	ug/L	<1.0	20	21.5	107	65-135		
Trichlorofluoromethane	ug/L	<1.0	20	20.7	104	50-150		
Vinyl chloride	ug/L	<1.0	20	18.8	94	40-160		
Xylene (Total)	ug/L	<1.0	60	64.6	108	67-132		
1,2-Dichloroethane-d4 (S)	%				96	74-119		
4-Bromofluorobenzene (S)	%				100	69-122		
Toluene-d8 (S)	%				99	79-110		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 70178159

QC Batch:	215105	Analysis Method:	EPA 180.1
QC Batch Method:	EPA 180.1	Analysis Description:	180.1 Turbidity
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70178159001, 70178159003, 70178159004

METHOD BLANK: 1082499 Matrix: Water

Associated Lab Samples: 70178159001, 70178159003, 70178159004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Turbidity	NTU	<1.0	1.0	06/24/21 14:21	

LABORATORY CONTROL SAMPLE: 1082500

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Turbidity	NTU	10	10.0	100	90-110	

SAMPLE DUPLICATE: 1082501

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Turbidity	NTU	20.0	20.0	0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 70178159

QC Batch: 216228 Analysis Method: SM22 2320B
QC Batch Method: SM22 2320B Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70178159001, 70178159003, 70178159004

METHOD BLANK: 1088618 Matrix: Water
Associated Lab Samples: 70178159001, 70178159003, 70178159004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<1.0	1.0	07/02/21 13:17	

LABORATORY CONTROL SAMPLE: 1088619

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	25	24.1	96	85-115	

MATRIX SPIKE SAMPLE: 1088692

Parameter	Units	70177732003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	24.6	50	73.1	97	75-125	

SAMPLE DUPLICATE: 1088693

Parameter	Units	70177732003 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	24.6	24.3	1	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 70178159

QC Batch: 216247 Analysis Method: SM22 2340C
QC Batch Method: SM22 2340C Analysis Description: 2340C Hardness, Total
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70178159001, 70178159003, 70178159004

METHOD BLANK: 1088649 Matrix: Water
Associated Lab Samples: 70178159001, 70178159003, 70178159004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tot Hardness asCaCO ₃ (SM 2340B	mg/L	ND	5.0	07/02/21 14:41	

LABORATORY CONTROL SAMPLE: 1088650

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tot Hardness asCaCO ₃ (SM 2340B	mg/L	100	100	100	90-110	

MATRIX SPIKE SAMPLE: 1088651

Parameter	Units	70177251025 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Tot Hardness asCaCO ₃ (SM 2340B	mg/L	220	2000	2220	100	75-125	

MATRIX SPIKE SAMPLE: 1088653

Parameter	Units	70178157002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Tot Hardness asCaCO ₃ (SM 2340B	mg/L	1120	2000	3120	100	75-125	

SAMPLE DUPLICATE: 1088652

Parameter	Units	70177251025 Result	Dup Result	RPD	Qualifiers
Tot Hardness asCaCO ₃ (SM 2340B	mg/L	220	220	0	

SAMPLE DUPLICATE: 1088654

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Tot Hardness asCaCO ₃ (SM 2340B	mg/L	1120	1120	0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 70178159

QC Batch:	215460	Analysis Method:	SM22 2540C
QC Batch Method:	SM22 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70178159001, 70178159003, 70178159004

METHOD BLANK: 1084991 Matrix: Water

Associated Lab Samples: 70178159001, 70178159003, 70178159004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	06/28/21 16:20	

LABORATORY CONTROL SAMPLE: 1084992

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	510	102	85-115	

MATRIX SPIKE SAMPLE: 1084994

Parameter	Units	70178159001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	112	300	388	92	75-125	

MATRIX SPIKE SAMPLE: 1084996

Parameter	Units	70178159003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	82.0	300	385	101	75-125	

SAMPLE DUPLICATE: 1084993

Parameter	Units	70178159001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	112	110	2	

SAMPLE DUPLICATE: 1084995

Parameter	Units	70178159003 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	82.0	85.0	4	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 70178159

QC Batch: 215399

Analysis Method: EPA 410.4

QC Batch Method: EPA 410.4

Analysis Description: 410.4 COD

Laboratory:

Pace Analytical Services - Melville

Associated Lab Samples: 70178159001, 70178159003, 70178159004

METHOD BLANK: 1084847

Matrix: Water

Associated Lab Samples: 70178159001, 70178159003, 70178159004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	10.0	06/28/21 10:03	

LABORATORY CONTROL SAMPLE: 1084848

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	527	105	90-110	

MATRIX SPIKE SAMPLE: 1084849

Parameter	Units	70178157002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	1000	1010	101	90-110	

MATRIX SPIKE SAMPLE: 1084851

Parameter	Units	70178159001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	1000	1010	101	90-110	

SAMPLE DUPLICATE: 1084850

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	<10.0		

SAMPLE DUPLICATE: 1084852

Parameter	Units	70178159001 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	<10.0		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 70178159

QC Batch: 216162

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Laboratory:

Pace Analytical Services - Melville

Associated Lab Samples: 70178159001, 70178159003, 70178159004

METHOD BLANK: 1088358

Matrix: Water

Associated Lab Samples: 70178159001, 70178159003, 70178159004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	07/02/21 00:03	
Sulfate	mg/L	<5.0	5.0	07/02/21 00:03	

LABORATORY CONTROL SAMPLE: 1088359

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.2	102	90-110	
Sulfate	mg/L	10	10.2	102	90-110	

MATRIX SPIKE SAMPLE: 1088360

Parameter	Units	70178030002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	27.5	10	37.0	96	90-110	
Sulfate	mg/L	25.5	10	35.2	96	90-110	

MATRIX SPIKE SAMPLE: 1088362

Parameter	Units	70178157002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L		10	95.5	65	90-110	M1
Sulfate	mg/L	1440	10	<5.0	-14400	90-110	M1

SAMPLE DUPLICATE: 1088361

Parameter	Units	70178030002 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	27.5	27.5	0	
Sulfate	mg/L	25.5	25.6	0	

SAMPLE DUPLICATE: 1088363

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L		88.3	1	
Sulfate	mg/L	1440	<5.0		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 70178159

QC Batch: 215164

Analysis Method: EPA 353.2

QC Batch Method: EPA 353.2

Analysis Description: 353.2 Nitrite, Unpres.

Laboratory:

Pace Analytical Services - Melville

Associated Lab Samples: 70178159001, 70178159003, 70178159004

METHOD BLANK: 1083177

Matrix: Water

Associated Lab Samples: 70178159001, 70178159003, 70178159004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.050	06/24/21 21:37	

LABORATORY CONTROL SAMPLE: 1083178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	0.99	99	90-110	

MATRIX SPIKE SAMPLE: 1083179

Parameter	Units	70178157002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.49	95	90-110	

MATRIX SPIKE SAMPLE: 1083181

Parameter	Units	70178112001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.51	99	90-110	

SAMPLE DUPLICATE: 1083180

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 1083182

Parameter	Units	70178112001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 70178159

QC Batch: 215176 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate, Unpres.
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70178159001, 70178159003, 70178159004

METHOD BLANK: 1083217 Matrix: Water
Associated Lab Samples: 70178159001, 70178159003, 70178159004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	ND	0.050	06/25/21 00:17	

LABORATORY CONTROL SAMPLE: 1083218

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	0.99	99	90-110	

MATRIX SPIKE SAMPLE: 1083219

Parameter	Units	70178191001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.23	0.5	0.73	100	90-110	

MATRIX SPIKE SAMPLE: 1083221

Parameter	Units	70178234001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	3.5	2.5	5.8	94	90-110	

SAMPLE DUPLICATE: 1083220

Parameter	Units	70178191001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.23	0.23	1	

SAMPLE DUPLICATE: 1083222

Parameter	Units	70178234001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	3.5	3.5	0	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 70178159

QC Batch:	216184	Analysis Method:	EPA 420.1
QC Batch Method:	EPA 420.1	Analysis Description:	420.1 Phenolics Macro
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70178159001, 70178159003, 70178159004

METHOD BLANK: 1088462 Matrix: Water

Associated Lab Samples: 70178159001, 70178159003, 70178159004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenolics, Total Recoverable	ug/L	<5.0	5.0	07/02/21 11:38	

LABORATORY CONTROL SAMPLE: 1088463

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	ug/L	100	105	105	90-110	

MATRIX SPIKE SAMPLE: 1088464

Parameter	Units	70177251025 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	ug/L	<5.0	50	62.4	116	75-125	

MATRIX SPIKE SAMPLE: 1088466

Parameter	Units	70178157002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	ug/L	<5.0	50	59.1	114	75-125	

SAMPLE DUPLICATE: 1088465

Parameter	Units	70177251025 Result	Dup Result	RPD	Qualifiers
Phenolics, Total Recoverable	ug/L	<5.0	<5.0		

SAMPLE DUPLICATE: 1088467

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Phenolics, Total Recoverable	ug/L	<5.0	<5.0		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 70178159

QC Batch: 216197 Analysis Method: SM22 4500 NH3 H
QC Batch Method: SM22 4500 NH3 H Analysis Description: 4500 Ammonia
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70178159001, 70178159003, 70178159004

METHOD BLANK: 1088541 Matrix: Water
Associated Lab Samples: 70178159001, 70178159003, 70178159004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	07/02/21 13:23	

LABORATORY CONTROL SAMPLE: 1088542

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.97	97	90-110	

MATRIX SPIKE SAMPLE: 1088543

Parameter	Units	70178417001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1.2	1	2.4	118	75-125	

SAMPLE DUPLICATE: 1088544

Parameter	Units	70178417001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	1.2	1.2	1	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 70178159

QC Batch: 216458 Analysis Method: EPA 9060A
QC Batch Method: EPA 9060A Analysis Description: 9060 TOC
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70178159001, 70178159003

METHOD BLANK: 1089920 Matrix: Water
Associated Lab Samples: 70178159001, 70178159003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	ND	1.0	07/06/21 20:39	
Total Organic Carbon	mg/L	ND	1.0	07/06/21 20:39	
Total Organic Carbon	mg/L	ND	1.0	07/06/21 20:39	
Total Organic Carbon	mg/L	ND	1.0	07/06/21 20:39	
Total Organic Carbon	mg/L	ND	1.0	07/06/21 20:39	

LABORATORY CONTROL SAMPLE: 1089921

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	10	10.6	106	85-115	
Total Organic Carbon	mg/L	10	10.5	105	85-115	
Total Organic Carbon	mg/L	10	10.5	105	85-115	
Total Organic Carbon	mg/L	10	10.8	108	85-115	
Total Organic Carbon	mg/L	10	10.8	108	85-115	

MATRIX SPIKE SAMPLE: 1089922

Parameter	Units	70178157002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	1.6	10	13.3	116	75-125	
Total Organic Carbon	mg/L	1.5	10	13.4	118	75-125	
Total Organic Carbon	mg/L	1.7	10	13.2	115	75-125	
Total Organic Carbon	mg/L	1.6	10	13.2	116	75-125	
Total Organic Carbon	mg/L	1.7	10	13.4	116	75-125	

SAMPLE DUPLICATE: 1089923

Parameter	Units	70178157002 Result	Dup Result	RPD	Qualifiers
Mean Total Organic Carbon	mg/L	1.6	2.5	43	D6
Total Organic Carbon	mg/L	1.5	2.9	62	D6
Total Organic Carbon	mg/L	1.7	2.4	37	D6
Total Organic Carbon	mg/L	1.7	2.4	30	D6
Total Organic Carbon	mg/L	1.6	2.5	43	D6

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 70178159

QC Batch:	216459	Analysis Method:	EPA 9060A
QC Batch Method:	EPA 9060A	Analysis Description:	9060 TOC
Associated Lab Samples:	70178159004	Laboratory:	Pace Analytical Services - Melville

METHOD BLANK: 1089934 Matrix: Water
Associated Lab Samples: 70178159004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	ND	1.0	07/07/21 00:17	
Total Organic Carbon	mg/L	ND	1.0	07/07/21 00:17	
Total Organic Carbon	mg/L	ND	1.0	07/07/21 00:17	
Total Organic Carbon	mg/L	ND	1.0	07/07/21 00:17	
Total Organic Carbon	mg/L	ND	1.0	07/07/21 00:17	

LABORATORY CONTROL SAMPLE: 1089935

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	10	10.2	102	85-115	
Total Organic Carbon	mg/L	10	10.2	102	85-115	
Total Organic Carbon	mg/L	10	10.3	103	85-115	
Total Organic Carbon	mg/L	10	10	100	85-115	
Total Organic Carbon	mg/L	10	10.4	104	85-115	

MATRIX SPIKE SAMPLE: 1089937

Parameter	Units	70176874003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	8.8	10	21.1	123	75-125	
Total Organic Carbon	mg/L	8.9	10	21.2	123	75-125	
Total Organic Carbon	mg/L	8.8	10	21.0	122	75-125	
Total Organic Carbon	mg/L	8.6	10	20.7	121	75-125	
Total Organic Carbon	mg/L	8.9	10	21.4	126	75-125 M1	

SAMPLE DUPLICATE: 1089936

Parameter	Units	70176874003 Result	Dup Result	RPD	Qualifiers
Mean Total Organic Carbon	mg/L	8.8	9.1	3	
Total Organic Carbon	mg/L	8.6	8.9	4	
Total Organic Carbon	mg/L	8.8	9.2	5	
Total Organic Carbon	mg/L	8.9	9.0	1	
Total Organic Carbon	mg/L	8.9	9.2	4	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 70178159

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 70178159001
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70178159002
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70178159003
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70178159004
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 70178159005
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 1083284
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.
H1 Analysis conducted outside the EPA method holding time.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
v3 The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 70178159

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70178159001	RW-A (MILLER)	EPA 3005A	216070	EPA 6010C	216236
70178159003	RW-B (NOLAN)	EPA 3005A	216070	EPA 6010C	216236
70178159004	RW-C (DAVIS)	EPA 3005A	216070	EPA 6010C	216236
70178159001	RW-A (MILLER)	EPA 624.1	215206		
70178159002	RW-A INFLUENT	EPA 624.1	215206		
70178159003	RW-B (NOLAN)	EPA 624.1	215206		
70178159004	RW-C (DAVIS)	EPA 624.1	215206		
70178159005	TRIP BLANK	EPA 624.1	215206		
70178159001	RW-A (MILLER)	EPA 180.1	215105		
70178159003	RW-B (NOLAN)	EPA 180.1	215105		
70178159004	RW-C (DAVIS)	EPA 180.1	215105		
70178159001	RW-A (MILLER)	SM22 2320B	216228		
70178159003	RW-B (NOLAN)	SM22 2320B	216228		
70178159004	RW-C (DAVIS)	SM22 2320B	216228		
70178159001	RW-A (MILLER)	SM22 2340C	216247		
70178159003	RW-B (NOLAN)	SM22 2340C	216247		
70178159004	RW-C (DAVIS)	SM22 2340C	216247		
70178159001	RW-A (MILLER)	SM22 2540C	215460		
70178159003	RW-B (NOLAN)	SM22 2540C	215460		
70178159004	RW-C (DAVIS)	SM22 2540C	215460		
70178159001	RW-A (MILLER)	EPA 410.4	215399	EPA 410.4	215434
70178159003	RW-B (NOLAN)	EPA 410.4	215399	EPA 410.4	215434
70178159004	RW-C (DAVIS)	EPA 410.4	215399	EPA 410.4	215434
70178159001	RW-A (MILLER)	EPA 300.0	216162		
70178159003	RW-B (NOLAN)	EPA 300.0	216162		
70178159004	RW-C (DAVIS)	EPA 300.0	216162		
70178159001	RW-A (MILLER)	EPA 353.2	215176		
70178159003	RW-B (NOLAN)	EPA 353.2	215176		
70178159004	RW-C (DAVIS)	EPA 353.2	215176		
70178159001	RW-A (MILLER)	EPA 353.2	215164		
70178159003	RW-B (NOLAN)	EPA 353.2	215164		
70178159004	RW-C (DAVIS)	EPA 353.2	215164		
70178159001	RW-A (MILLER)	EPA 420.1	216184	EPA 420.1	216257
70178159003	RW-B (NOLAN)	EPA 420.1	216184	EPA 420.1	216257
70178159004	RW-C (DAVIS)	EPA 420.1	216184	EPA 420.1	216257
70178159001	RW-A (MILLER)	SM22 4500 NH3 H	216197		
70178159003	RW-B (NOLAN)	SM22 4500 NH3 H	216197		
70178159004	RW-C (DAVIS)	SM22 4500 NH3 H	216197		
70178159001	RW-A (MILLER)	EPA 9060A	216458		
70178159003	RW-B (NOLAN)	EPA 9060A	216458		
70178159004	RW-C (DAVIS)	EPA 9060A	216459		

REPORT OF LABORATORY ANALYSIS

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Enalytic, LLC

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

Chain of Custody Record

Client		Project #/Project Name		Town of Van Buren Residents		Number of Containers										Remarks																																																																																									
Client Contact	Phone #	Date	Time	Matrix	GRAB OR COMP	Lab Internal Use Only	1	2	3	4	5	6	7	8	9	10	1988 NYSDEC Part 360 Routine List w/VOCs Non-ASP																																																																																								
Enalytic, LLC																																																																																																									
Anthony Scala	(315) 437-0255	x11																																																																																																							
Sample ID																																																																																																									
RW-A (Miller)		6-22-21	1545	Water	Grab		8	X	X	X	X	X																																																																																													
RW-A Influent		6-22-21	1556	Water	Grab		2					X																																																																																													
RW-B (Nolan)		6-22-21	1615	Water	Grab		8	X	X	X	X	X	X																																																																																												
RW-C (Davis)		6-22-21	1500	Water	Grab		8	X	X	X	X	X	X																																																																																												
Trip Blank		6-22-21	1145	Water	Grab		2					X																																																																																													
WO# : 70178159 																																																																																																									
<table border="1"> <thead> <tr> <th colspan="2">Parameter and Method</th> <th>Sample bottle:</th> <th>Type</th> <th>Size</th> <th>Preservative</th> <th>Sampled by (Print)</th> <th>Name of Courier</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Field Parameters: pH, Eh, Temp., Cond., Turbidity</td> <td></td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>Brian Nicholas</td> <td>Zion Environmental</td> </tr> <tr> <td>2</td> <td>Nitrate, TDS, Sulfate, Alkalinity, Chloride</td> <td></td> <td>2 Plastic</td> <td>1 Liter</td> <td>NONE</td> <td>Company: Zion Environmental</td> <td>Received by: (sign)</td> </tr> <tr> <td>3</td> <td>Ammonia, COD, Total Phenols</td> <td></td> <td>A-Glass</td> <td>250 ML</td> <td>H2SO4</td> <td>Relinquished by: (sign)</td> <td>Relinquished by: (sign)</td> </tr> <tr> <td>4</td> <td>TOC</td> <td></td> <td>2 Vials</td> <td>40 ml</td> <td>H2SO4</td> <td>Relinquished by: (sign)</td> <td>Relinquished by: (sign)</td> </tr> <tr> <td>5</td> <td>T-Cd, Ca, Fe, Pb, Mg, Mn, K, Na and Total Hardness</td> <td></td> <td>Plastic</td> <td>250 ML</td> <td>HNO3</td> <td>Relinquished by: (sign)</td> <td>Relinquished by: (sign)</td> </tr> <tr> <td>6</td> <td>EPA 601/602 (BY EPA Method 624)</td> <td></td> <td>2 Vials</td> <td>40 ml</td> <td>1:1 HCl</td> <td>Relinquished by: (sign)</td> <td>Relinquished by: (sign)</td> </tr> <tr> <td>7</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>																		Parameter and Method		Sample bottle:	Type	Size	Preservative	Sampled by (Print)	Name of Courier	1	Field Parameters: pH, Eh, Temp., Cond., Turbidity		N/A	N/A	N/A	Brian Nicholas	Zion Environmental	2	Nitrate, TDS, Sulfate, Alkalinity, Chloride		2 Plastic	1 Liter	NONE	Company: Zion Environmental	Received by: (sign)	3	Ammonia, COD, Total Phenols		A-Glass	250 ML	H2SO4	Relinquished by: (sign)	Relinquished by: (sign)	4	TOC		2 Vials	40 ml	H2SO4	Relinquished by: (sign)	Relinquished by: (sign)	5	T-Cd, Ca, Fe, Pb, Mg, Mn, K, Na and Total Hardness		Plastic	250 ML	HNO3	Relinquished by: (sign)	Relinquished by: (sign)	6	EPA 601/602 (BY EPA Method 624)		2 Vials	40 ml	1:1 HCl	Relinquished by: (sign)	Relinquished by: (sign)	7								8								9								10							
Parameter and Method		Sample bottle:	Type	Size	Preservative	Sampled by (Print)	Name of Courier																																																																																																		
1	Field Parameters: pH, Eh, Temp., Cond., Turbidity		N/A	N/A	N/A	Brian Nicholas	Zion Environmental																																																																																																		
2	Nitrate, TDS, Sulfate, Alkalinity, Chloride		2 Plastic	1 Liter	NONE	Company: Zion Environmental	Received by: (sign)																																																																																																		
3	Ammonia, COD, Total Phenols		A-Glass	250 ML	H2SO4	Relinquished by: (sign)	Relinquished by: (sign)																																																																																																		
4	TOC		2 Vials	40 ml	H2SO4	Relinquished by: (sign)	Relinquished by: (sign)																																																																																																		
5	T-Cd, Ca, Fe, Pb, Mg, Mn, K, Na and Total Hardness		Plastic	250 ML	HNO3	Relinquished by: (sign)	Relinquished by: (sign)																																																																																																		
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10																																																																																																									



Sample Condition Upon Receipt

WO#: 70178159

Client Name:

Project:

PM: LS1

Due Date: 07/02/21

CLIENT: ENALYTIC

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

Tracking #: 774080275712

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals intact: ☒ Yes ☐ NoPacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Thermometer Used: TH091

Correction Factor: +0.0

Cooler Temperature (°C): 1.3

Cooler Temperature Corrected (°C): 1.3

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

Date and Initials of person examining contents: UN 6/24/21

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ NoDid samples originate from a foreign source including Hawaii and Puerto Rico? ☐ Yes ☒ No

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

		COMMENTS:
Chain of Custody Present:	☒ Yes ☐ No	1.
Chain of Custody Filled Out:	☒ Yes ☐ No	2.
Chain of Custody Relinquished:	☒ Yes ☐ No	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No	5.
Short Hold Time Analysis (<72hr):	☒ Yes ☐ No	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No	7.
Sufficient Volume: (Triple volume provided for)	☒ Yes ☐ No	8.
Correct Containers Used:	☒ Yes ☐ No	9.
-Pace Containers Used:	☒ Yes ☐ No	10.
Containers Intact:	☒ Yes ☐ No	11.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒ Yes ☐ No	12.
-Includes date/time/ID, Matrix: SL/WT OIL		
All containers needing preservation have been checked?	☒ Yes ☐ No ☐ N/A	13.
pH paper Lot # HUS5468		
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)	☒ Yes ☐ No ☐ N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).		
Per Method, VOA pH is checked after analysis		Initial when completed: Lot # of added preservative: Date/Time preservative added:
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14.
KI starch test strips Lot #		
Residual chlorine strips Lot #		Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide?	☐ Yes ☐ No ☒ N/A	15.
Lead Acetate Strips Lot #		
Headspace in VOA Vials (>6mm):	☐ Yes ☒ No ☐ N/A	16.
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	17.
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

Appendix E

Landfill Gas Sampling

Town of Van Buren Landfill (CLOSED)

Gas Vent Survey Log

Logged By:	Brian Nichols
Temperature (°F)/Weather:	Sunny 65 deg.
Instrument Model:	Gas Detector Model: FD-90E

Date	Gas Monitoring Vent Location	Gas Reading (PPM)	Comments
6/23/2021	GV-1	ND	
6/23/2021	GV-2	ND	
6/23/2021	GV-3	ND	
6/23/2021	GV-4	ND	
6/23/2021	GV-5	ND	
6/23/2021	GV-6	ND	
6/23/2021	GV-7	972	
6/23/2021	GV-8	ND	
6/23/2021	GV-9	ND	
6/23/2021	GV-10	ND	
6/23/2021	GV-11	> 10,000	
6/23/2021	GV-12	264	
6/23/2021	GV-13	ND	
6/23/2021	GV-14	ND	
6/23/2021	GV-15	ND	
6/23/2021	GV-16	ND	
6/23/2021	GV-17	ND	
6/23/2021	GV-18	ND	
6/23/2021	GV-19	ND	
6/23/2021	GV-20	ND	
6/23/2021	GV-21	ND	
6/23/2021	GV-22	ND	
6/23/2021	GV-23	301	
6/23/2021	GV-24	> 10,000	
6/23/2021	GV-25	ND	
6/23/2021	GV-26	ND	
6/23/2021	GV-27	236	
6/23/2021	GV-28	ND	
6/23/2021	GV-29	ND	
6/23/2021	GV-30	ND	

Notes:	ND = Not Detected
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Town of Van Buren Landfill (CLOSED) Gas Point Survey Log

Logged By:	Brian Nichols
Temperature (°F)/Weather:	Cloudy 61 deg.
Instrument Model:	Gas Detector Model: FD-90E

Date	Gas Monitoring Point Location	Gas Reading (PPM)	Comments
6/22/2021	GP-1	ND	
6/22/2021	GP-2	ND	
6/22/2021	GP-3	ND	
6/22/2021	GP-4	ND	
6/22/2021	GP-5	ND	
6/22/2021	GP-6	ND	
6/22/2021	GP-7	ND	
6/22/2021	GP-8	ND	
6/22/2021	GP-9	ND	
6/22/2021	GP-10	ND	
6/22/2021	GP-11	ND	
6/22/2021	GP-12	ND	
6/22/2021	GP-13	ND	
6/22/2021	GP-14	ND	
6/22/2021	GP-15	ND	
6/22/2021	GP-16	ND	
6/22/2021	GP-17	ND	
6/22/2021	GP-18	ND	
6/22/2021	GP-19	ND	
6/22/2021	GP-20	ND	
6/22/2021	GP-21	ND	
6/22/2021	GP-22	ND	
6/22/2021	GP-23	ND	
6/22/2021	GP-24	ND	
6/22/2021	GP-25	ND	
6/22/2021	GP-26	ND	
6/22/2021	GP-27	ND	
6/22/2021	GP-28	ND	
6/22/2021	GP-29	ND	
6/22/2021	GP-30	ND	
6/22/2021	GP-31	ND	
6/22/2021	GP-32	ND	
6/22/2021	GP-33	ND	
6/22/2021	GP-34	ND	
6/22/2021	GP-35	ND	
6/22/2021	GP-36	ND	
6/22/2021	GP-37	ND	
6/22/2021	GP-38	ND	
6/22/2021	GP-39	ND	
6/22/2021	GP-40	ND	

Notes:	ND = Not Detected
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