

Town of Van Buren

Kingdom Road Landfill (Closed)

Environmental Monitoring Report

2019 Second Quarter

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

Sample Collection Information

Sampling Firm: Enalytic, LLC

Sampling Date(s): June 11, 2019 and June 19, 2019

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
2017	-	R	-	_*
2018	-	_*	-	R
2019	-	B	-	_*
2020	-	_*	-	R
2021	-	R	-	_*
2022	-	_*	-	B

Notes:

R = 1988 NYSDEC Part 360 Routine Parameters

B = 1988 NYSDEC Part 360 Baseline Parameters

- = Sampling not required

* = Residential monitoring still required bi-annually for 1988 NYSDEC Part 360 Routine Parameters with additional analysis for EPA Method 601/602 parameters and Baseline Parameter during baseline monitoring events.

Assessment of Monitoring Results

Introduction

This report represents the results of environmental monitoring performed during the second quarter 2019 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 Analytic Laboratories, LLC., of Syracuse, New York, was responsible for the collection of landfill gas and groundwater samples during the second quarter 2019, and Pace Analytical Services, Inc was responsible for the laboratory analyses of these samples.

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

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

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

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

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

Groundwater (Overburden)

The 2019 groundwater quality results for the overburden deposits at the Town of Van Buren Landfill are summarized in the tables included in Appendix D. These tables also present the historical overburden groundwater sampling results for comparison purposes. Water quality results for the overburden deposits at the landfill site are evaluated by the results from the three (3) downgradient monitoring wells (MW-5S, MW-8S, and MW-9S) to the up-gradient

monitoring well (MW-6S) and to applicable water quality standards. Table 1 summarizes the monitoring well locations and parameters that exceed water quality standards during the second quarter 2019 sampling event. As discussed below, the overburden groundwater quality results for the second quarter 2019 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 2019 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 2019 groundwater quality results for the bedrock unit are summarized in the tables contained in Appendix D. The tables in Appendix D also present historical bedrock groundwater quality data for comparison purposes. Water quality results for the bedrock unit are evaluated by comparing the results from the three (3) downgradient monitoring wells (MW- 5D, MW-8D, and MW-9D) to the upgradient monitoring well (MW-6D) and to applicable water quality standards. Table 1 summarizes the monitoring well locations and parameters that exceeded the applicable water quality standards during the 2019 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 2019 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 2019 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 7291. Explosive gas readings were collected by inserting a probe attached to the gas meter into a small diameter probe hole advanced approximately one (1) foot below ground surface. If any of the observed gas readings exceeded 25% of the lower explosive limit (L.E.L.) of methane, three (3) additional offset probe holes would have been installed as follows: 25 feet from the original sample location in a direction away from the waste mass ("A" offset), 25 feet towards the previous perimeter

explosive gas survey point ("B" offset), and 25 feet in the direction towards the next perimeter explosive gas survey point ("C" offset).

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

Residential Wells

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

During the second quarter 2019, the residential locations were monitored for 1988 Part 360 baseline analyses with additional analysis of VOCs by EPA method 601/602 analysis. The results of this sampling event were generally consistent with historical results.

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 Potassium, COD, Ammonia, Sulfate, 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	---	---	---	---	3.5	---	3.9	4.8		
Sulfate	250 mg/L	---	---	---	---	1370	---	1370	1910		
Total Dissolved Solids	500 mg/L	516	---	440	---	1710	---	1620	2420		
Turbidity	5 NTU	379	19	7	18	124	17	9	6		
Iron- T -D	0.3 mg/L	2.0 ---	5.1 ---	---	0.8 ---	10.6 ---	1.2 ---	1.2 ---	1.6 ---		
Magnesium - T -D	[35] mg/L	50 ---	57 ---	---	46 ---	---	41 ---	---	---		
Manganese - T -D	0.3 mg/L	2.1 ---	---	24.3 ---	---	---	---	---	---		
Sodium - T -D	20 mg/L	---	---	---	34 ---	70 ---	---	87 ---	---		

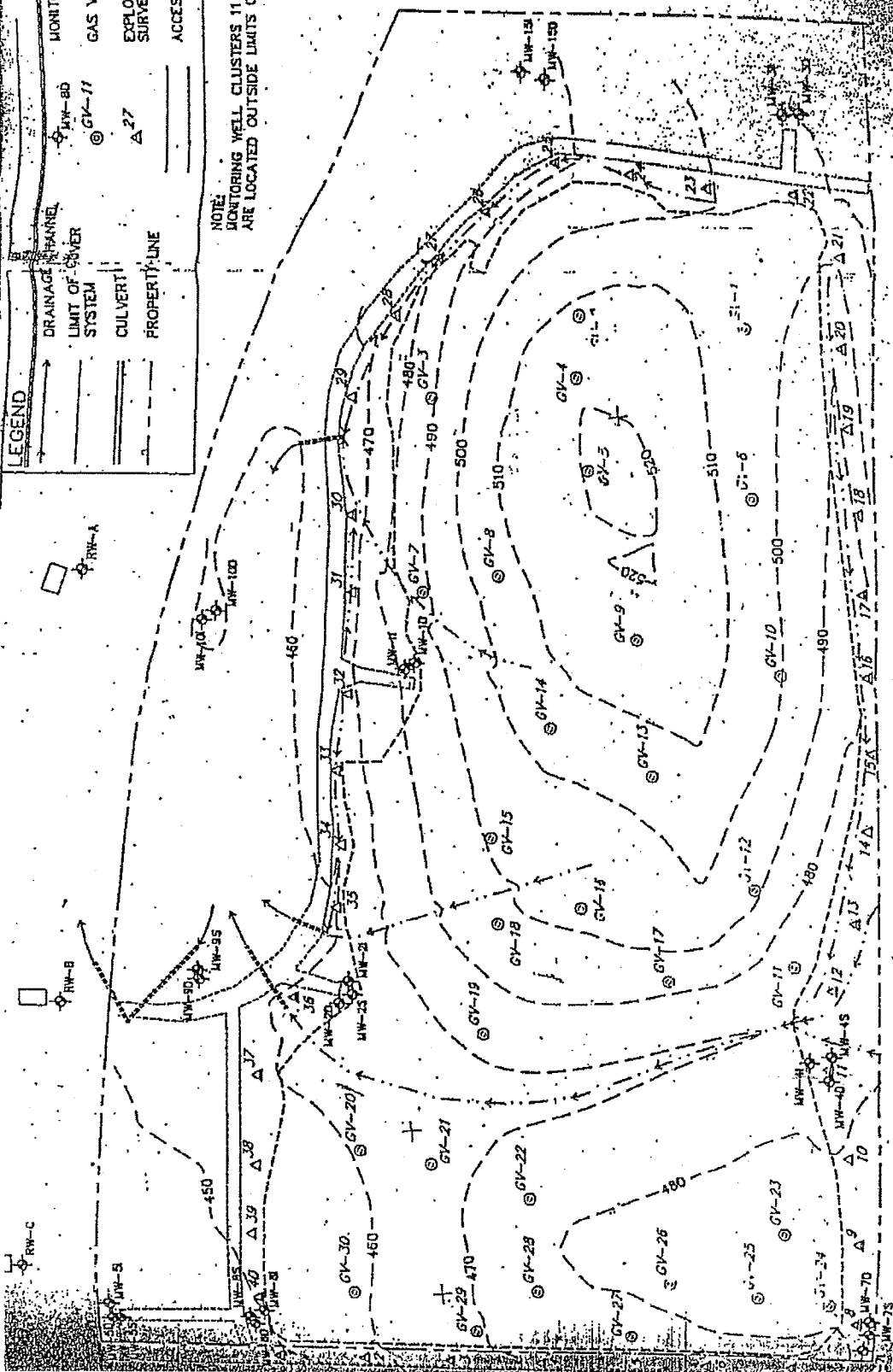
Appendix A

Landfill Map

LEGEND

	DRAINAGE CHANNEL		MONITORING WELL
	LIMIT OF COVER SYSTEM		GAS VENT
	CULVERT		EXPLOSIVE GAS SURVEY POINT
	PROPERTY LINE		ACCESS ROAD

NOTE:
MONITORING WELL CLUSTERS 11 & 12
ARE LOCATED OUTSIDE LIMITS OF DRAWING



SITE PLAN
TOWN OF VAN BUREN LANDFILL
TOWN OF VAN BUREN ONONDAGA COUNTY
STATE OF NEW YORK

DATE NOVEMBER, 1995

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)

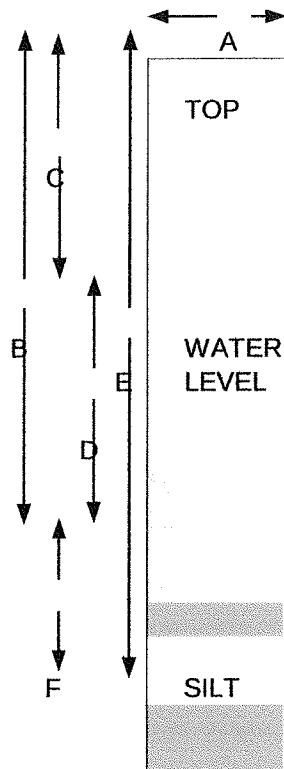
Condition of Well: Good

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</u>	feet
C.	Depth to Water	<u>29.6</u>	feet
D.	Length of Water Column (calc.)	<u>10.4</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>1.66</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>5.0</u>	gallons
	Actual Volume Evacuated	<u>15.0</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	First Volume	Second Volume	Third Volume	Final Sampling	% Recharge:
Date	<u>6-11-19</u>	<u>6-11-19</u>	<u>6-11-19</u>	<u>6-11-19</u>	<u>6-12-19</u>	Initial Depth to Water <u>29.6</u> feet
Time	<u>11:00</u>	<u>11:25</u>	<u>11:30</u>	<u>11:36</u>	<u>8:30</u>	Recharge Depth to Water <u>29.8</u> feet
ORP	<u>-130</u>	<u>-115</u>	<u>-105</u>	<u>-108</u>	<u>-101</u>	2nd water column height <u>102</u> %
Temperature	<u>13.3</u>	<u>13.5</u>	<u>14.1</u>	<u>13.1</u>	<u>13.2</u>	1st water column height
pH	<u>9.90</u>	<u>6.70</u>	<u>6.76</u>	<u>6.77</u>	<u>6.91</u>	
Specific Cond.	<u>858</u>	<u>991</u>	<u>1011</u>	<u>1039</u>	<u>1026</u>	
Turbidity	<u>12.2</u>	<u>107</u>	<u>409</u>	<u>241</u>	<u>379</u>	
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	
Appearance	<u>clear</u>	<u>Red-br</u>	<u>Red-br</u>	<u>Red-br</u>	<u>Red-br</u>	

Sampler:
 Peter Fricano Kris Mann
 Cassie Dunbar

Signature:

Peter Fricano

Weather:

Observations: Sunny - 65degF Sample collected for D-Metals

Analytic LLC

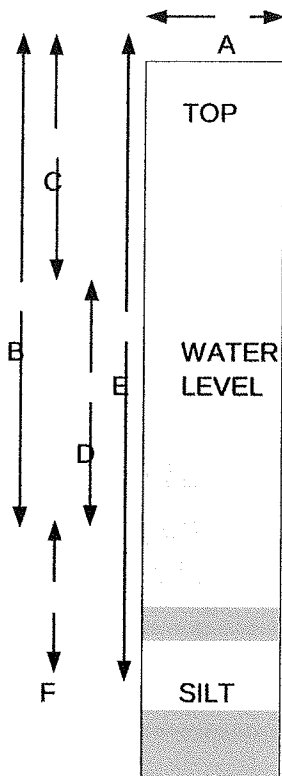
Ground water Field Log

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	<u>2"</u>	inches
B.	Well Depth Measured	<u>75.5</u>	feet
C.	Depth to Water	<u>32.2</u>	feet
D.	Length of Water Column (calculate)	<u>43.3</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>6.93</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>20.8</u>	gallons
	Actual Volume Evacuated	<u>40</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	First Volume	Second Volume	Third Volume	Final Sampling	% Recharge:
Date	6-11-19	6-11-19	6-11-19	6-11-19	6-12-19	Initial Depth to Water <u>32.2</u> feet
Time	11:10	11:32	11:38	11:53	8:46	Recharge Depth to Water <u>31.1</u> feet
ORP	-139	-85	-95	-125	-133	
Temperature	13.6	14.8	16.7	15.1	15.0	2nd water column height <u>103</u> %
pH	7.10	6.81	6.95	7.14	7.19	1st water column height
Specific Cond.	711	971	2070	2210	2250	
Turbidity	57.0	103	111	271	73.0	
Dissolved Oxygen	N/A	N/A	N/A	N/A	N/A	
Appearance	clear	clear	clear	clear	clear	

Sampler:
 Peter Fricano Kris Mann
 Cassie Dunbar
 Signature:

Weather:

Observations: SUNNY - 65 DEG F (SAMPLE COLLECTED FOR D-METALS)

Peter Fricano

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

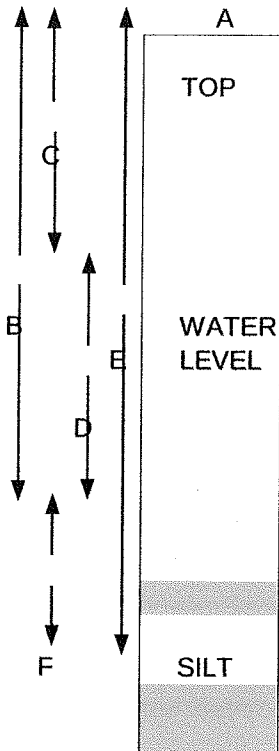
LAB ID No. (enter by lab)

Condition of Well: Good Locked: No

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

Method of Sampling: HDPE Bailer (New)

* removed bladder pump to purge/sample (due to low volume).



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>19.61</u>	feet
C.	Depth to Water	<u>8.4</u>	feet
D.	Length of Water Column (calculate)	<u>11.21</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>1.79</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>5.38</u>	gallons
	Actual Volume Evacuated	<u>10</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	First Volume	Second Volume	Third Volume	Final Sampling	% Recharge:	
Date	<u>6-11-10</u>	<u>6-11-19</u>	<u>6-11-19</u>	<u>6-11-19</u>	<u>6-12-19</u>	Initial Depth to Water	<u>8.4</u> feet
Time	<u>2:15</u>	<u>2:29</u>	<u>2:39</u>	<u>2:46</u>	<u>3:16</u>	Recharge Depth to Water	<u>8.6</u> feet
ORP	<u>-12</u>	<u>-48</u>	<u>-54</u>	<u>-47</u>	<u>-23</u>	2nd water column height	<u>98</u> %
Temperature	<u>14.7</u>	<u>13.9</u>	<u>14.2</u>	<u>14.3</u>	<u>14.6</u>	1st water column height	
pH	<u>7.42</u>	<u>7.51</u>	<u>7.49</u>	<u>7.44</u>	<u>7.43</u>		
Specific Cond.	<u>691</u>	<u>688</u>	<u>660</u>	<u>641</u>	<u>679</u>		
Turbidity	<u>14.6</u>	<u>38.8</u>	<u>42.7</u>	<u>35.5</u>	<u>19.1</u>		
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	Sampler:	
Appearance	<u>cloudy</u>	<u>cloudy</u>	<u>cloudy</u>	<u>cloudy</u>	<u>cloudy</u>	Peter Fricano Kris Mann	
						Cassie Dunbar	
						Signature:	

Weather: Sunny - 65degF

Peter Fricano

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)

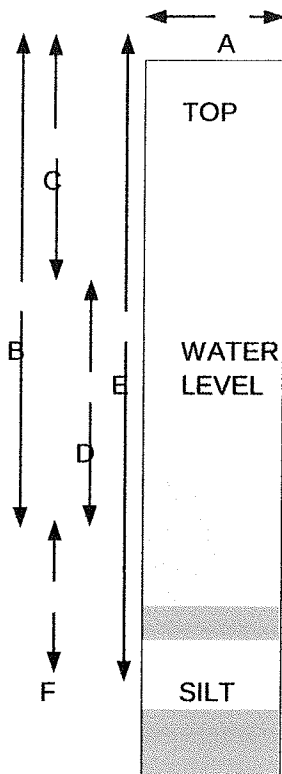
Condition of Well: Good

Locked: No

Method of Evacuation: Stainless-Steel/Teflon Bailer

Lock ID: None

Method of Sampling: Stainless-Steel/Teflon Bailer



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>62.6</u>	feet
C.	Depth to Water	<u>24.0</u>	feet
D.	Length of Water Column (calculate)	<u>38.6</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>6.18</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>18.5</u>	gallons
	Actual Volume Evacuated	<u>18.0</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	First Volume	Second Volume	Third Volume	Final Sampling	% Recharge:
Date	<u>6-11-19</u>	<u>6-11-19</u>	<u>6-11-19</u>	<u>6-11-19</u>	<u>6-12-19</u>	Initial Depth to Water <u>24.0</u> feet
Time	<u>2:10</u>	<u>2:28</u>	<u>2:41</u>	<u>2:52</u>	<u>10:59</u>	Recharge Depth to Water <u>24.2</u> feet
ORP	<u>-21</u>	<u>-49</u>	<u>-52</u>	<u>-42</u>	<u>-13</u>	
Temperature	<u>12.3</u>	<u>12.2</u>	<u>12.3</u>	<u>13.4</u>	<u>13.5</u>	2nd water column height <u>101</u> %
pH	<u>7.62</u>	<u>7.74</u>	<u>7.78</u>	<u>7.67</u>	<u>7.62</u>	1st water column height
Specific Cond.	<u>676</u>	<u>699</u>	<u>704</u>	<u>709</u>	<u>722</u>	
Turbidity	<u>13.9</u>	<u>24.8</u>	<u>42.4</u>	<u>51.1</u>	<u>17.4</u>	
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	
Appearance	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	

Sampler:
 Peter Fricano Kris Mann
 Cassie Dunbar
 Signature:

Weather:

Observations: Sunny - 65degF

Peter Fricano

Analytic 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)

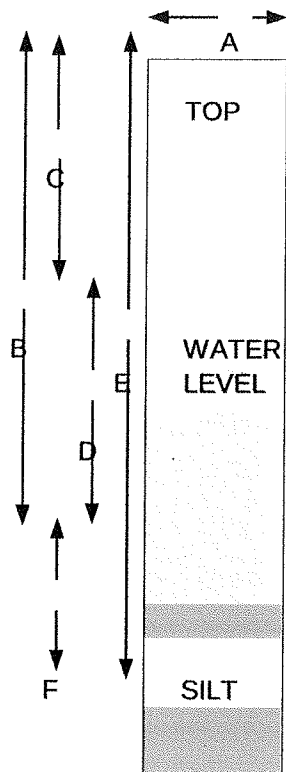
Condition of Well: Good

Locked: No

Method of Evacuation: Bladder Pump

Lock ID: None

Method of Sampling: Bladder Pump



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>39.6</u>	feet
C.	Depth to Water	<u>31.9</u>	feet
D.	Length of Water Column (calculate)	<u>7.7</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>1.23</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>3.69</u>	gallons
	Actual Volume Evacuated	<u>4.0</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	First Volume	Second Volume	Third Volume	Final Sampling
Date	<u>6-11-19</u>	<u>6-11-19</u>	<u>6-11-19</u>	<u>6-11-19</u>	<u>6-12-19</u>
Time	<u>12:58</u>	<u>1:01</u>	<u>1:05</u>	<u>1:10</u>	<u>10:07</u>
ORP	<u>-43</u>	<u>-37</u>	<u>-33</u>	<u>-25</u>	<u>-22</u>
Temperature	<u>13.4</u>	<u>12.3</u>	<u>11.9</u>	<u>12.5</u>	<u>13.2</u>
pH	<u>6.77</u>	<u>6.70</u>	<u>6.67</u>	<u>6.73</u>	<u>6.86</u>
Specific Cond.	<u>964</u>	<u>873</u>	<u>885</u>	<u>867</u>	<u>934</u>
Turbidity	<u>5.52</u>	<u>12.1</u>	<u>5.65</u>	<u>4.33</u>	<u>4.74</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Appearance	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>

% Recharge:

Initial Depth to Water 31.9 feet

Recharge Depth to Water 31.9 feet

2nd water column height 100 %

1st water column height

Sampler:

Peter Fricano Kris Mann

Cassie Dunbar

Signature:

Peter Fricano

Weather:

Observations: Sunny - 65degF

Analytic LLC

Ground water Field Log

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

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-8D

LAB ID No. (enter by lab)

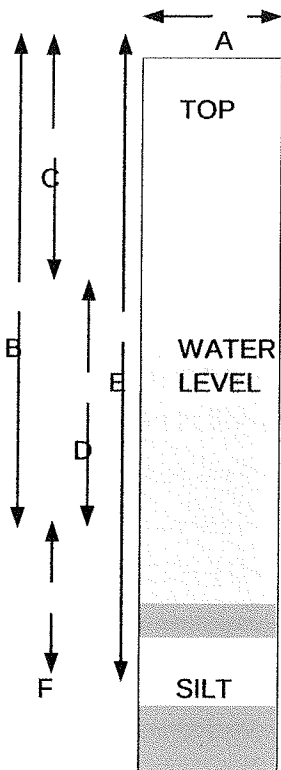
Condition of Well: Good

Locked: No

Method of Evacuation: Bladder Pump

Lock ID: None

Method of Sampling: Bladder Pump



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>94.4</u>	feet
C.	Depth to Water	<u>33.5</u>	feet
D.	Length of Water Column (calculate)	<u>60.9</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>9.74</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>29.2</u>	gallons
	Actual Volume Evacuated	<u>78</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	First Volume	Second Volume	Third Volume	Final Sampling	% Recharge:
Date	6-11-19	6-11-19	6-11-19	6-11-19	6-12-19	Initial Depth to Water <u>33.5</u> feet
Time	12:26	11:35	11:43	11:48	9:53	Recharge Depth to Water <u>33.0</u> feet
ORP	-199	-134	-145	-156	-90	2nd water column height <u>101</u> %
Temperature	15.0	15.4	14.3	13.9	14.7	1st water column height
pH	6.98	7.27	7.22	7.30	7.28	
Specific Cond.	2120	2010	2260	2350	2360	
Turbidity	16.3	26.5	10.7	7.18	9.20	
Dissolved Oxygen	N/A	N/A	N/A	N/A	N/A	
Appearance	clear	clear	clear	clear	clear	

Sampler:
 Peter Fricano Kris Mann
 Cassie Dunbar
 Signature:

Weather:

Observations: Sunny -65degF

Peter Fricano

Analytic LLC

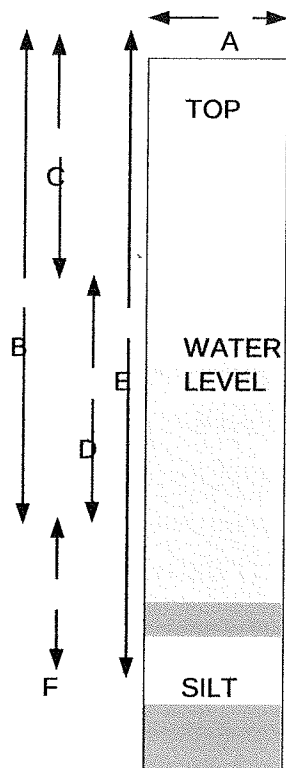
Ground water Field Log

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: Bladder Pump Lock ID: None
 Method of Sampling: Bladder Pump



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>40.4</u>	feet
C.	Depth to Water	<u>27.3</u>	feet
D.	Length of Water Column (calc.)	<u>13.1</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>2.10</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>6.30</u>	gallons
	Actual Volume Evacuated	<u>6.3</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	First Volume	Second Volume	Third Volume	Final Sampling	% Recharge:
Date	<u>6-11-19</u>	<u>6-11-19</u>	<u>6-11-19</u>	<u>6-11-19</u>	<u>6-12-19</u>	Initial Depth to Water <u>27.3</u> feet
Time	<u>1:44</u>	<u>1:52</u>	<u>1:56</u>	<u>1:59</u>	<u>10:32</u>	Recharge Depth to Water <u>29.5</u> feet
ORP	<u>-54</u>	<u>-49</u>	<u>-11</u>	<u>-24</u>	<u>-31</u>	2nd water column height <u>92</u> %
Temperature	<u>15.1</u>	<u>13.8</u>	<u>12.8</u>	<u>11.8</u>	<u>16.6</u>	1st water column height
pH	<u>7.28</u>	<u>7.36</u>	<u>7.3</u>	<u>7.27</u>	<u>7.37</u>	
Specific Cond.	<u>790</u>	<u>783</u>	<u>758</u>	<u>777</u>	<u>822</u>	
Turbidity	<u>31.2</u>	<u>13.2</u>	<u>41.2</u>	<u>35.0</u>	<u>17.8</u>	
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	
Appearance	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	

Weather:
 Observations: Sunny - 65degF

Sampler:
 Peter Fricano Kris Mann
 Cassie Dunbar

Signature:
Peter Fricano

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-9D

Condition of Well:

Good

Locked:

No

Method of Evacuation:

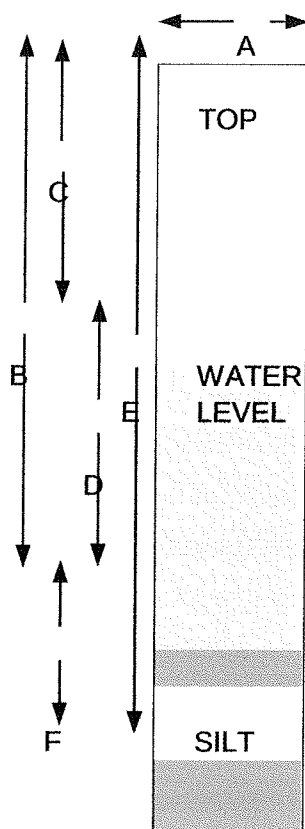
Bladder Pump

Lock ID:

None

Method of Sampling:

Bladder Pump



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	96.2	feet
C.	Depth to Water	34.9	feet
D.	Length of Water Column (calculate	61.3	feet
	Conversion Factor	X .16	-----
	Well Volume (calculated)	9.81	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	29.4	gallons
	Actual Volume Evacuated	27	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	First Volume	Second Volume	Third Volume	Final Sampling	% Recharge:	
Date	6-11-19	6-11-19	6-11-19	6-11-19	6-12-19	Initial Depth to Water	34.9 feet
Time	1:18	1:24	1:29	1:33	10:22	Recharge Depth to Water	34.8 feet
ORP	22	-93	-111	-116	-65	2nd water column height	100 %
Temperature	14.3	13.0	14.5	12.0	17.2	1st water column height	
pH	7.23	7.11	7.17	7.23	7.08	Sampler:	
Specific Cond.	3060	2900	2990	2930	2950	Peter Fricano	Kris Mann
Turbidity	1.29	4.60	16.1	9.06	5.77	Cassie Dunbar	
Dissolved Oxygen	N/A	N/A	N/A	N/A	N/A	Signature:	
Appearance	clear	clear	clear	clear	clear	<i>Peter Fricano</i>	

Weather:

Observations: Sunny - 65degF

Enalytic, LLC

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

Tap Water / Surface Water / Wastewater Field Log

Client: Town of Van Buren
Project: Landfill Residents
Date: 6/11/2019

Sampler (print): Peter Fricano
Signature: Peter Fricano

Location RW--A (Miller)
 EH -65 mv
 TEMPERATURE 19.2 C
 PH 6.95 STD.UNITS
 SPEC. COND. 87.4 UMHOS/CM
 TURBIDITY 0.30 NTU
 CHLORINE RES. N/A MG/L Cl2
 SULFITE N/A MG/L
 DIS.OXYGEN N/A MG/L

TIME SAMPLED 10:10am Lab ID _____
 WEATHER CONDITION: 62degF Sunny
 APPEARANCE / OBSERVATIONS _____
Sample collected from the Kitchen Sink RO Tap.
Sample Collection Date/Time: 6/11/2019 10:10am.

Location RW-B (Nolan)
 EH 70.5
 TEMPERATURE 25.7 C
 PH 6.68 STD.UNITS
 SPEC. COND. 121 UMHOS/CM
 TURBIDITY 3.20 NTU
 CHLORINE RES. N/A MG/L Cl2
 SULFITE N/A MG/L
 DIS.OXYGEN N/A MG/L

TIME SAMPLED 3:22pm Lab ID _____
 WEATHER CONDITION: 67degF Sunny
 APPEARANCE / OBSERVATIONS _____
Sample collected from the Kitchen Sink RO Tap.
Sample Collection Date/Time: 6/11/2019 3:22pm.

Location RW-C (Davis)
 EH -48
 TEMPERATURE 15.8 C
 PH 6.40 STD.UNITS
 SPEC. COND. 105 UMHOS/CM
 TURBIDITY 0.38 NTU
 CHLORINE RES. N/A MG/L Cl2
 SULFITE N/A MG/L
 DIS.OXYGEN N/A MG/L

TIME SAMPLED 1:31pm Lab ID _____
 WEATHER CONDITION: 67degF Sunny
 APPEARANCE / OBSERVATIONS _____
Sample collected from the Kitchen Sink RO Tap.
Sample Collection Date/Time: 6/11/2019 1:31pm.

Location _____
 FLOW _____
 TEMPERATURE _____ C OR F
 PH _____ STD.UNITS
 SPEC. COND. _____ UMHOS/CM
 TURBIDITY _____ NTU
 CHLORINE RES. _____ MG/L Cl2
 SULFITE _____ MG/L
 DIS.OXYGEN _____ MG/L

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

PFF 6-11-19

Appendix C

Historical Spreadsheets

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

SAMPLING LOCATION	FIELD & INORGANIC PARAMETERS	TOTAL METALS	DISSOLVED METALS	ORGANIC COMPOUNDS (DETECTED)
MONITORING WELLS				
MW-5S	2-3	4-5	6-7	8
MW-5D	10-11	12-13	14-15	16
MW-6S	18-19	20-21	22-23	24
MW-6D	26-27	28-29	30-31	32
MW-8S	34-35	36-37	38-39	40
MW-8D	42-43	44-45	46-47	48
MW-9S	50-51	52-53	54-55	56
MW-9D	58-59	60-61	62-63	64
RESIDENTIAL WELLS				
RW-A	66-67	68-69	70-71	72-73
RW-B	74-75	76-77	78-79	80
RW-C	81-82	83-84	85-86	87

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

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

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

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

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

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

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-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	< 0.005	50.2	2.1	0.051	—	14.5	18.7	—	—	—	0.045

VAN BUREN LANDFILL (CLOSED)				
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-5S	Method			
29-Mar-96	—	—	—	—
20-Jun-96	(EPA 601/602)	6	< 1	6
5-Sep-96	—	—	—	—
12-Dec-96	—	—	—	—
28-Mar-97	—	—	—	—
3-Jun-97	—	—	—	—
30-Sep-97	(EPA 601/602)	< 1	< 1	0
9-Dec-97	—	—	—	—
30-Mar-98	—	—	—	—
22-Oct-98	(EPA 601/602)	< 1	< 1	0
10-Jun-99	(EPA 601/602)	< 1	< 1	0
7-Oct-99	—	—	—	—
11-May-00	—	—	—	—
19-Oct-00	(EPA 601/602)	< 1	< 1	0
6-Jun-01	(EPA 601/602)	< 1	2	2
12-Nov-01	—	—	—	—
31-May-02	—	—	—	—
21-Nov-02	(EPA 601/602)	< 1	< 1	0
16-May-03	(EPA 601/602)	< 1	< 1	0
18-Dec-03	—	—	—	—
27-May-04	—	—	—	—
14-Dec-04	—	—	—	—
11-May-05	(EPA 601/602)	< 1	< 1	0
17-Nov-05	—	—	—	—
29-Dec-06	(EPA 601/602)	< 1	< 1	0
27-Jun-07	—	—	—	—
31-Oct-08	(EPA 601/602)	< 1	< 1	0
1-Jun-09	—	—	—	—
10-Oct-10	—	—	—	—
15-Feb-11	—	—	—	—
30-Jun-11	—	—	—	—
20-Dec-12	—	—	—	—
6-Jun-13	—	—	—	—
28-Oct-14	—	—	—	—
6-May-15	—	—	—	—
1-Nov-16	—	—	—	—
15-Jun-17	—	—	—	—
9-Oct-18	—	—	—	—
12-Jun-19	—	—	—	—

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

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	—

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

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

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

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

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

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

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

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

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

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	

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	—	—	—	—

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-65												
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	—	—	—	—	—	—	—	—	—	—	—	—

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
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	—	—	—	—	—	—	—	—	—	—	—

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-6S

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	—	—
20-Oct-10	—	—
30-Jun-11	—	—
20-Dec-12	DRY	—
4-Jun-13	—	—
28-Oct-14	DRY	—
6-May-15	—	—
2-Nov-16	—	—
15-Jun-17	—	—

9-Oct-18	-	-	-	-	-	-
19-Jun-19	-	-	-	-	-	-

VAN BUREN LANDFILL (CLOSED) ONONDAGA COUNTY WATER QUALITY TEST DATA										
	FIELD PARAMETERS				INORGANIC PARAMETERS					
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	HARD. (mg/l CaCO ₃)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	—	—	6.5-8.5	—	15	5	—	—	500	250
MW-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

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

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	

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

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

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	—	—	—	—	—	—	—	—	—	—	—	

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	—	—	—	—	—	—	—	—	—	—	—

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	—	—	—

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

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

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

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

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

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

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	—	—	—	—	—	—	—	—	—	—	—	

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

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

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	—	—	—	—	—	—	—

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

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

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

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

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

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

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	—	—	—	—	—	—	—	—	—	—	—

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

ORGANIC PARAMETERS (DETECTED)

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

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-95										
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

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

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	

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
MW-95											
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

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-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	—	—	—	—	—	—	—	—	—	—	—	

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	—	—	—	—	—	—	—	—	—	—	—

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

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

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

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

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

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

ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS												
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)	
6NYCRR Part 703 GROUNDWATER STANDARD	—	[0.003]	0.025	1	[0.003]	0.01	—	0.05	0.05	0.2	0.3	
MW-9D												
29-Mar-96	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—	—

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	—	—	—	—	—	—	—	—	—	—	—

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	—	—

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
28-Aug-08	—	—	—	—	—	41.6	180	1200	1730	66

VAN BUREN LANDFILL (CLOSED) ONONDAGA COUNTY WATER QUALITY TEST DATA INORGANIC MATERIALS										
GROUND WATER	SO4 (mg/L)	BORON (mg/L)	NO3-N (mg/L)	NH3-N (MG/L)	TKN (mg/L)	BOD-5 (mg/L)	COD (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1	10	2	—	—	—	—	0.001	0.1
RW-A (MILLER) KITCHEN TAP										
31-Mar-98	10	—	< 0.2	< 0.5	—	—	< 20	< 1	< 0.005	—
22-Oct-98	< 5	1.2	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	9	1.2	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
11-May-00	9	—	< 0.2	< 0.5	—	—	< 20	< 1	< 0.005	—
19-Oct-00	16	3.1	0.8	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	7	1.2	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	11	—	< 0.2	< 0.5	—	—	< 20	3	< 0.005	—
31-May-02	6	—	< 0.2	< 0.5	—	—	< 20	< 3	< 0.005	—
21-Nov-02	18	1.7	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
16-May-03	7	1.4	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
19-Dec-03	50	—	< 0.2	3.1	—	—	< 20	< 3	< 0.005	—
27-May-04	< 5	—	< 0.2	< 0.5	—	—	< 20	< 3	< 0.005	—
14-Dec-04	57	—	< 0.2	< 0.5	—	—	< 20	< 3	< 0.005	—
11-May-05	< 5	—	< 0.2	< 0.5	—	< 4	< 20	< 3	0.007	—
17-Nov-05	8	—	< 0.2	< 0.5	—	—	< 20	< 3	< 0.005	—
30-Jun-06	< 5	—	< 0.2	< 0.5	—	—	< 20	< 3	< 0.005	—
3-Jan-07	< 5	1.4	< 0.2	< 0.5	< 0.5	5	< 20	< 3	< 0.005	< 0.01
28-Jun-07	157	—	0.5	< 0.5	—	—	< 20	< 3	< 0.005	—
31-Dec-07	< 5	—	< 0.2	< 0.5	—	—	< 20	< 3	< 0.005	—
29-May-08	1100	—	< 0.2	0.9	—	—	< 20	< 3	< 0.005	—
28-Aug-08	1330	—	0.5	< 0.5	—	—	< 20	< 3	< 0.005	—
26-Nov-08	9	1.4	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
29-May-09	< 5	—	1.3	< 0.5	—	—	< 20	< 3	< 0.005	—
31-Dec-09	1260	—	0.2	0.7	—	—	< 20	< 3	< 0.005	—
19-Feb-10	< 5	—	0.3	< 0.5	—	—	< 20	< 3	< 0.005	—
28-Jun-10	12	—	< 0.2	< 0.5	< 0.5	—	< 20	< 3	< 0.005	—
18-Nov-10	—	—	—	< 0.5	—	—	—	—	—	—
30-Jun-11	558	—	0.8	—	—	—	—	—	—	—
2-Dec-11	1340	—	—	0.54	—	—	—	—	—	—
27-Apr-12	1040	—	—	0.75	—	—	—	—	—	—
15-Oct-12	1550	2.7	—	0.95	—	—	—	—	—	—
4-Jun-13	69	—	< 0.05	< 0.1	—	—	< 5.0	—	< 0.01	—
3-Oct-13	995	—	0.08	0.66	—	—	< 5.0	< 1	< 0.01	—
13-May-14	1060	—	0.2	0.4	—	—	—	—	—	—
2-Oct-14	1060	2.44	0.644	0.407	—	—	—	—	—	—
6-May-15	1220	—	< 0.1	1.1	—	—	< 10	—	< 0.005	—
4-Nov-15	1150	—	< 0.1	0.96	—	—	< 10	< 0.5	< 0.005	—
25-May-15	63	—	< 0.1	0.27	—	—	< 10	< 1	0.0085	—
10-Oct-16	1260	—	< 0.1	1.1	—	< 0.2	< 10	1.3	< 0.005	—
29-Jun-17	38	—	0.18	< 0.1	—	—	< 10	< 1	< 0.005	—
9-Nov-17	39	—	0.2	< 0.1	—	—	< 10	< 1	< 0.005	—
26-Apr-18	39	—	0.3	< 0.1	—	—	< 10	< 1	< 0.005	—
17-Oct-18	115	—	< 0.05	< 0.1	—	—	< 10	< 1	< 0.005	—
11-Jun-19	27	—	< 0.05	0.15	—	—	< 10	< 1	< 0.005	—
28-Aug-08	1170	—	< 0.2	2.1	—	—	< 20	< 3	< 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]	0.005	—	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
28-Aug-08	—	—	< 0.010	< 0.3	—	< 0.005	460	—	—	—	3.9

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	—	—	—	—
28-Aug-08	0.008	19	0.07	< 0.0004	—	54	53	—	—	—	—

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]	0.005	—	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	—	—	—	—	—	—	—	—	—	—	—
28-Aug-08	—	—	—	—	—	—	—	—	—	—	—

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	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—
28-Aug-08	—	—	—	—	—	—	—	—	—	—	—

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

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

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

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	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	—	—	—	—

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	—	—	—	—	—	—	—	—	—	—	—	
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	—	—	—	—	—	—	—	—	—	—	—	

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	–	–	–	–	–	–	–	–	–	–	–

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)	CI (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

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	< 0.006	—

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-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

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	—	—	—	—

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-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	—	—	—	—	—	—	—	—	—	—	—

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	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—

Appendix D

Sampling Data

ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-5S		Lab ID: 7093441001	Collected: 06/12/19 08:30	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

Field Data

Analytical Method:

Field pH	6.91	Std. Units		1		06/12/19 08:30		
Field Temperature	13.2	deg C		1		06/12/19 08:30		
Field Specific Conductance	10.26	umhos/cm		1		06/12/19 08:30		
REDOX	-101	mV		1		06/12/19 08:30		
Field Turbidity	379	NTU		1		06/12/19 08:30		

6010 MET ICP

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

Aluminum	6870	ug/L	200	1	06/14/19 17:12	06/25/19 13:50	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	06/14/19 17:12	06/25/19 13:50	7440-36-0	
Arsenic	14.6	ug/L	10.0	1	06/14/19 17:12	06/25/19 13:50	7440-38-2	
Barium	432	ug/L	200	1	06/14/19 17:12	06/25/19 13:50	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	06/14/19 17:12	06/25/19 13:50	7440-41-7	
Boron	113	ug/L	50.0	1	06/14/19 17:12	06/25/19 13:50	7440-42-8	
Cadmium	<2.5	ug/L	2.5	1	06/14/19 17:12	06/25/19 13:50	7440-43-9	
Calcium	200000	ug/L	200	1	06/14/19 17:12	06/25/19 13:50	7440-70-2	
Chromium	15.5	ug/L	10.0	1	06/14/19 17:12	06/25/19 13:50	7440-47-3	
Copper	34.5	ug/L	25.0	1	06/14/19 17:12	06/25/19 13:50	7440-50-8	
Iron	20200	ug/L	20.0	1	06/14/19 17:12	06/25/19 13:50	7439-89-6	
Lead	<5.0	ug/L	5.0	1	06/14/19 17:12	06/25/19 13:50	7439-92-1	
Magnesium	50200	ug/L	200	1	06/14/19 17:12	06/25/19 13:50	7439-95-4	
Manganese	2100	ug/L	10.0	1	06/14/19 17:12	06/25/19 13:50	7439-96-5	
Nickel	50.6	ug/L	40.0	1	06/14/19 17:12	06/25/19 13:50	7440-02-0	
Potassium	14500	ug/L	5000	1	06/14/19 17:12	06/25/19 13:50	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 13:50	7782-49-2	
Silver	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 13:50	7440-22-4	
Sodium	18700	ug/L	5000	1	06/14/19 17:12	06/25/19 13:50	7440-23-5	
Thallium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 13:50	7440-28-0	
Zinc	44.6	ug/L	20.0	1	06/14/19 17:12	06/25/19 13:50	7440-66-6	

6010 MET ICP, Dissolved

Analytical Method: EPA 6010C

Aluminum, Dissolved	<200	ug/L	200	1		06/26/19 12:28	7429-90-5	
Antimony, Dissolved	<60.0	ug/L	60.0	1		06/26/19 12:28	7440-36-0	
Arsenic, Dissolved	<10.0	ug/L	10.0	1		06/26/19 12:28	7440-38-2	
Barium, Dissolved	341	ug/L	200	1		06/26/19 12:28	7440-39-3	
Beryllium, Dissolved	<5.0	ug/L	5.0	1		06/26/19 12:28	7440-41-7	
Boron, Dissolved	103	ug/L	50.0	1		06/26/19 12:28	7440-42-8	
Cadmium, Dissolved	<2.5	ug/L	2.5	1		06/26/19 12:28	7440-43-9	
Calcium, Dissolved	157000	ug/L	200	1		06/26/19 12:28	7440-70-2	
Chromium, Dissolved	<10.0	ug/L	10.0	1		06/26/19 12:28	7440-47-3	
Copper, Dissolved	<25.0	ug/L	25.0	1		06/26/19 12:28	7440-50-8	
Iron, Dissolved	44.2	ug/L	20.0	1		06/26/19 12:28	7439-89-6	
Lead, Dissolved	<5.0	ug/L	5.0	1		06/26/19 12:28	7439-92-1	
Magnesium, Dissolved	36000	ug/L	200	1		06/26/19 12:28	7439-95-4	
Manganese, Dissolved	1400	ug/L	10.0	1		06/26/19 12:28	7439-96-5	
Nickel, Dissolved	<40.0	ug/L	40.0	1		06/26/19 12:28	7440-02-0	
Potassium, Dissolved	6790	ug/L	5000	1		06/26/19 12:28	7440-09-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-5S		Lab ID: 7093441001	Collected: 06/12/19 08:30	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010C						
Selenium, Dissolved	<10.0	ug/L	10.0	1		06/26/19 12:28	7782-49-2	
Silver, Dissolved	<10.0	ug/L	10.0	1		06/26/19 12:28	7440-22-4	
Sodium, Dissolved	15600	ug/L	5000	1		06/26/19 12:28	7440-23-5	
Thallium, Dissolved	<10.0	ug/L	10.0	1		06/26/19 12:28	7440-28-0	
Zinc, Dissolved	<20.0	ug/L	20.0	1		06/26/19 12:28	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A						
Mercury	<0.20	ug/L	0.20	1	06/21/19 10:50	06/21/19 18:59	7439-97-6	
7470 Mercury, Dissolved		Analytical Method: EPA 7470A Preparation Method: EPA 7470A						
Mercury, Dissolved	<0.20	ug/L	0.20	1	06/21/19 10:50	06/21/19 14:52	7439-97-6	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	765	NTU	50.0	50		06/14/19 07:25		
2120B W Apparent Color		Analytical Method: SM22 2120B						
Apparent Color	5.0	units	5.0	1		06/13/19 17:06		
pH	7.0	Std. Units	0.10	1		06/13/19 17:06		
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO ₃	544	mg/L	1.0	1		06/25/19 15:49		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness as CaCO ₃ (SM 2340B)	800	mg/L	5.0	1		06/26/19 18:25		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	516	mg/L	20.0	1		06/18/19 10:31		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	47.7	mg/L	10.0	1	06/20/19 09:35	06/20/19 11:55		
5210B BOD, 5 day		Analytical Method: SM22 5210B Preparation Method: SM22 5210B						
BOD, 5 day	<4.0	mg/L	4.0	2	06/13/19 17:31	06/18/19 13:41		
7196 Chromium, Hexavalent		Analytical Method: EPA 7196A						
Chromium, Hexavalent	<0.10	mg/L	0.10	5		06/13/19 16:38	18540-29-9	H3
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	23.5	mg/L	2.0	1		06/28/19 21:57	16887-00-6	
Sulfate	23.1	mg/L	5.0	1		06/28/19 21:57	14808-79-8	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	1.7	mg/L	0.10	1	06/26/19 05:54	06/26/19 13:01	7727-37-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-5S		Lab ID: 7093441001		Collected: 06/12/19 08:30		Received: 06/13/19 11:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N		0.19	mg/L	0.050	1		06/13/19 23:46	14797-55-8	
Nitrate-Nitrite (as N)		0.22	mg/L	0.050	1		06/13/19 23:46	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N		<0.050	mg/L	0.050	1		06/13/19 21:29	14797-65-0	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia		0.68	mg/L	0.10	1		06/27/19 15:20	7664-41-7	
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C							
Cyanide		<10.0	ug/L	10.0	1	06/20/19 07:48	06/20/19 13:45	57-12-5	
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon		3.6	mg/L	1.0	1		06/21/19 19:42	7440-44-0	
Total Organic Carbon		3.6	mg/L	1.0	1		06/21/19 19:42	7440-44-0	
Total Organic Carbon		3.7	mg/L	1.0	1		06/21/19 19:42	7440-44-0	
Total Organic Carbon		3.7	mg/L	1.0	1		06/21/19 19:42	7440-44-0	
Mean Total Organic Carbon		3.7	mg/L	1.0	1		06/21/19 19:42	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-5D		Lab ID: 7093441002	Collected: 06/12/19 08:46	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

Field Data

Analytical Method:

Field pH	7.19	Std. Units		1		06/12/19 08:46		
Field Temperature	15	deg C		1		06/12/19 08:46		
Field Specific Conductance	2250	umhos/cm		1		06/12/19 08:46		
REDOX	-133	mV		1		06/12/19 08:46		
Field Turbidity	73	NTU		1		06/12/19 08:46		

6010 MET ICP

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

Aluminum	211	ug/L	200	1	06/14/19 17:12	06/25/19 13:53	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	06/14/19 17:12	06/25/19 13:53	7440-36-0	
Arsenic	40.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 13:53	7440-38-2	
Barium	<200	ug/L	200	1	06/14/19 17:12	06/25/19 13:53	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	06/14/19 17:12	06/25/19 13:53	7440-41-7	
Boron	3660	ug/L	50.0	1	06/14/19 17:12	06/25/19 13:53	7440-42-8	
Cadmium	<2.5	ug/L	2.5	1	06/14/19 17:12	06/25/19 13:53	7440-43-9	
Calcium	442000	ug/L	200	1	06/14/19 17:12	06/25/19 13:53	7440-70-2	M1
Chromium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 13:53	7440-47-3	
Copper	<25.0	ug/L	25.0	1	06/14/19 17:12	06/25/19 13:53	7440-50-8	
Iron	10600	ug/L	20.0	1	06/14/19 17:12	06/25/19 13:53	7439-89-6	M1
Lead	<5.0	ug/L	5.0	1	06/14/19 17:12	06/25/19 13:53	7439-92-1	
Magnesium	20400	ug/L	200	1	06/14/19 17:12	06/25/19 13:53	7439-95-4	
Manganese	110	ug/L	10.0	1	06/14/19 17:12	06/25/19 13:53	7439-96-5	
Nickel	<40.0	ug/L	40.0	1	06/14/19 17:12	06/25/19 13:53	7440-02-0	
Potassium	60000	ug/L	5000	1	06/14/19 17:12	06/25/19 13:53	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 13:53	7782-49-2	
Silver	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 13:53	7440-22-4	
Sodium	69800	ug/L	5000	1	06/14/19 17:12	06/25/19 13:53	7440-23-5	
Thallium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 13:53	7440-28-0	
Zinc	22.3	ug/L	20.0	1	06/14/19 17:12	06/25/19 13:53	7440-66-6	

6010 MET ICP, Dissolved

Analytical Method: EPA 6010C

Aluminum, Dissolved	<200	ug/L	200	1		06/26/19 12:31	7429-90-5	
Antimony, Dissolved	<60.0	ug/L	60.0	1		06/26/19 12:31	7440-36-0	
Arsenic, Dissolved	<10.0	ug/L	10.0	1		06/26/19 12:31	7440-38-2	
Barium, Dissolved	<200	ug/L	200	1		06/26/19 12:31	7440-39-3	
Beryllium, Dissolved	<5.0	ug/L	5.0	1		06/26/19 12:31	7440-41-7	
Boron, Dissolved	3430	ug/L	50.0	1		06/26/19 12:31	7440-42-8	
Cadmium, Dissolved	<2.5	ug/L	2.5	1		06/26/19 12:31	7440-43-9	
Calcium, Dissolved	418000	ug/L	200	1		06/26/19 12:31	7440-70-2	M1
Chromium, Dissolved	<10.0	ug/L	10.0	1		06/26/19 12:31	7440-47-3	
Copper, Dissolved	<25.0	ug/L	25.0	1		06/26/19 12:31	7440-50-8	
Iron, Dissolved	92.2	ug/L	20.0	1		06/26/19 12:31	7439-89-6	
Lead, Dissolved	<5.0	ug/L	5.0	1		06/26/19 12:31	7439-92-1	
Magnesium, Dissolved	19700	ug/L	200	1		06/26/19 12:31	7439-95-4	
Manganese, Dissolved	63.0	ug/L	10.0	1		06/26/19 12:31	7439-96-5	
Nickel, Dissolved	<40.0	ug/L	40.0	1		06/26/19 12:31	7440-02-0	
Potassium, Dissolved	53200	ug/L	5000	1		06/26/19 12:31	7440-09-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-5D		Lab ID: 7093441002		Collected: 06/12/19 08:46		Received: 06/13/19 11:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010C							
Selenium, Dissolved	<10.0	ug/L	10.0	1		06/26/19 12:31	7782-49-2	M1	
Silver, Dissolved	<10.0	ug/L	10.0	1		06/26/19 12:31	7440-22-4		
Sodium, Dissolved	63300	ug/L	5000	1		06/26/19 12:31	7440-23-5		
Thallium, Dissolved	<10.0	ug/L	10.0	1		06/26/19 12:31	7440-28-0		
Zinc, Dissolved	<20.0	ug/L	20.0	1		06/26/19 12:31	7440-66-6		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	<0.20	ug/L	0.20	1	06/21/19 10:50	06/21/19 19:01	7439-97-6		
7470 Mercury, Dissolved		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury, Dissolved	<0.20	ug/L	0.20	1	06/21/19 10:50	06/21/19 14:58	7439-97-6		
180.1 Turbidity		Analytical Method: EPA 180.1							
Turbidity	124	NTU	50.0	50		06/14/19 07:25			
2120B W Apparent Color		Analytical Method: SM22 2120B							
Apparent Color	15.0	units	5.0	1		06/13/19 17:06			
pH	7.0	Std. Units	0.10	1		06/13/19 17:06			
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	135	mg/L	1.0	1		06/25/19 15:58			
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	1200	mg/L	5.0	1		06/26/19 18:25			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	1710	mg/L	20.0	1		06/18/19 10:32			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	25.6	mg/L	10.0	1	06/20/19 09:35	06/20/19 11:57			
5210B BOD, 5 day		Analytical Method: SM22 5210B Preparation Method: SM22 5210B							
BOD, 5 day	7.5	mg/L	4.0	2	06/13/19 17:31	06/18/19 13:45			
7196 Chromium, Hexavalent		Analytical Method: EPA 7196A							
Chromium, Hexavalent	<0.020	mg/L	0.020	1		06/13/19 16:38	18540-29-9	H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	113	mg/L	10.0	5		07/01/19 19:29	16887-00-6		
Sulfate	1370	mg/L	250	50		07/01/19 20:19	14808-79-8		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	4.1	mg/L	0.10	1	06/26/19 05:54	06/26/19 13:02	7727-37-9	M1	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-5D		Lab ID: 7093441002		Collected: 06/12/19 08:46		Received: 06/13/19 11:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N		0.051	mg/L	0.050	1		06/13/19 23:47	14797-55-8	
Nitrate-Nitrite (as N)		0.051	mg/L	0.050	1		06/13/19 23:47	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N		<0.050	mg/L	0.050	1		06/13/19 21:38	14797-65-0	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia		3.5	mg/L	0.10	1		06/27/19 15:21	7664-41-7	
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C							
Cyanide		<10.0	ug/L	10.0	1	06/20/19 07:48	06/20/19 13:46	57-12-5	
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon		4.8	mg/L	1.0	1		06/21/19 20:27	7440-44-0	
Total Organic Carbon		4.8	mg/L	1.0	1		06/21/19 20:27	7440-44-0	
Total Organic Carbon		4.8	mg/L	1.0	1		06/21/19 20:27	7440-44-0	
Total Organic Carbon		4.8	mg/L	1.0	1		06/21/19 20:27	7440-44-0	
Mean Total Organic Carbon		4.8	mg/L	1.0	1		06/21/19 20:27	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-6S		Lab ID: 7093441003	Collected: 06/12/19 10:46	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	7.43	Std. Units		1		06/12/19 15:16		
Field Temperature	14.6	deg C		1		06/12/19 15:16		
Field Specific Conductance	679	umhos/cm		1		06/12/19 15:16		
REDOX	-23	mV		1		06/12/19 15:16		
Field Turbidity	19.1	NTU		1		06/12/19 15:16		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Aluminum	2390	ug/L	200	1	06/14/19 17:12	06/25/19 14:10	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	06/14/19 17:12	06/25/19 14:10	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:10	7440-38-2	
Barium	<200	ug/L	200	1	06/14/19 17:12	06/25/19 14:10	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	06/14/19 17:12	06/25/19 14:10	7440-41-7	
Boron	<50.0	ug/L	50.0	1	06/14/19 17:12	06/25/19 14:10	7440-42-8	
Cadmium	<2.5	ug/L	2.5	1	06/14/19 17:12	06/25/19 14:10	7440-43-9	
Calcium	77000	ug/L	200	1	06/14/19 17:12	06/25/19 14:10	7440-70-2	
Chromium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:10	7440-47-3	
Copper	<25.0	ug/L	25.0	1	06/14/19 17:12	06/25/19 14:10	7440-50-8	
Iron	5090	ug/L	20.0	1	06/14/19 17:12	06/25/19 14:10	7439-89-6	
Lead	<5.0	ug/L	5.0	1	06/14/19 17:12	06/25/19 14:10	7439-92-1	
Magnesium	57000	ug/L	200	1	06/14/19 17:12	06/25/19 14:10	7439-95-4	
Manganese	233	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:10	7439-96-5	
Nickel	<40.0	ug/L	40.0	1	06/14/19 17:12	06/25/19 14:10	7440-02-0	
Potassium	<5000	ug/L	5000	1	06/14/19 17:12	06/25/19 14:10	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:10	7782-49-2	
Silver	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:10	7440-22-4	
Sodium	7430	ug/L	5000	1	06/14/19 17:12	06/25/19 14:10	7440-23-5	
Thallium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:10	7440-28-0	
Zinc	<20.0	ug/L	20.0	1	06/14/19 17:12	06/25/19 14:10	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A						
Mercury	<0.20	ug/L	0.20	1	06/21/19 10:50	06/21/19 19:10	7439-97-6	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	12.1	NTU	1.0	1		06/14/19 07:25		
2120B W Apparent Color		Analytical Method: SM22 2120B						
Apparent Color	5.0	units	5.0	1		06/13/19 17:07		
pH	6.5	Std. Units	0.10	1		06/13/19 17:07		
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	344	mg/L	1.0	1		06/25/19 16:33		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO3 (SM 2340B)	350	mg/L	5.0	1		06/26/19 18:38		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-6S		Lab ID: 7093441003		Collected: 06/12/19 10:46		Received: 06/13/19 11:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	336	mg/L	20.0	1		06/18/19 10:44			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	06/20/19 09:35	06/20/19 11:57			
5210B BOD, 5 day		Analytical Method: SM22 5210B Preparation Method: SM22 5210B							
BOD, 5 day	6.7	mg/L	6.7	3.33	06/14/19 09:43	06/19/19 09:26			
7196 Chromium, Hexavalent		Analytical Method: EPA 7196A							
Chromium, Hexavalent	<0.020	mg/L	0.020	1		06/13/19 16:38	18540-29-9	H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	12.3	mg/L	2.0	1		06/28/19 23:04	16887-00-6		
Sulfate	47.2	mg/L	5.0	1		06/28/19 23:04	14808-79-8		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	0.22	mg/L	0.10	1	06/26/19 05:54	06/26/19 13:06	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	5.8	mg/L	0.50	10		06/13/19 23:54	14797-55-8		
Nitrate-Nitrite (as N)	5.8	mg/L	0.50	10		06/13/19 23:54	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/13/19 21:41	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		06/27/19 15:25	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C							
Cyanide	<10.0	ug/L	10.0	1	06/20/19 07:48	06/20/19 13:49	57-12-5		
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon	1.3	mg/L	1.0	1		06/21/19 21:26	7440-44-0		
Total Organic Carbon	1.3	mg/L	1.0	1		06/21/19 21:26	7440-44-0		
Total Organic Carbon	1.3	mg/L	1.0	1		06/21/19 21:26	7440-44-0		
Total Organic Carbon	1.2	mg/L	1.0	1		06/21/19 21:26	7440-44-0		
Mean Total Organic Carbon	1.3	mg/L	1.0	1		06/21/19 21:26	7440-44-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-6D		Lab ID: 7093441004	Collected: 06/12/19 10:59	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	7.62	Std. Units		1		06/12/19 10:59		
Field Temperature	13.5	deg C		1		06/12/19 10:59		
Field Specific Conductance	722	umhos/cm		1		06/12/19 10:59		
REDOX	-13	mV		1		06/12/19 10:59		
Field Turbidity	17.4	NTU		1		06/12/19 10:59		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Aluminum	281	ug/L	200	1	06/14/19 17:12	06/25/19 14:12	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	06/14/19 17:12	06/25/19 14:12	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:12	7440-38-2	
Barium	<200	ug/L	200	1	06/14/19 17:12	06/25/19 14:12	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	06/14/19 17:12	06/25/19 14:12	7440-41-7	
Boron	147	ug/L	50.0	1	06/14/19 17:12	06/25/19 14:12	7440-42-8	
Cadmium	<2.5	ug/L	2.5	1	06/14/19 17:12	06/25/19 14:12	7440-43-9	
Calcium	65800	ug/L	200	1	06/14/19 17:12	06/25/19 14:12	7440-70-2	
Chromium	13.4	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:12	7440-47-3	
Copper	<25.0	ug/L	25.0	1	06/14/19 17:12	06/25/19 14:12	7440-50-8	
Iron	1230	ug/L	20.0	1	06/14/19 17:12	06/25/19 14:12	7439-89-6	
Lead	<5.0	ug/L	5.0	1	06/14/19 17:12	06/25/19 14:12	7439-92-1	
Magnesium	40700	ug/L	200	1	06/14/19 17:12	06/25/19 14:12	7439-95-4	
Manganese	50.2	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:12	7439-96-5	
Nickel	<40.0	ug/L	40.0	1	06/14/19 17:12	06/25/19 14:12	7440-02-0	
Potassium	5170	ug/L	5000	1	06/14/19 17:12	06/25/19 14:12	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:12	7782-49-2	
Silver	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:12	7440-22-4	
Sodium	6520	ug/L	5000	1	06/14/19 17:12	06/25/19 14:12	7440-23-5	
Thallium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:12	7440-28-0	
Zinc	34.0	ug/L	20.0	1	06/14/19 17:12	06/25/19 14:12	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A						
Mercury	<0.20	ug/L	0.20	1	06/21/19 10:50	06/21/19 19:12	7439-97-6	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	6.4	NTU	1.0	1		06/14/19 07:25		
2120B W Apparent Color		Analytical Method: SM22 2120B						
Apparent Color	5.0	units	5.0	1		06/13/19 17:07		
pH	6.5	Std. Units	0.10	1		06/13/19 17:07		
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	250	mg/L	1.0	1		06/25/19 16:46		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness as CaCO3 (SM 2340B)	367	mg/L	5.0	1		06/26/19 18:38		

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-6D		Lab ID: 7093441004		Collected: 06/12/19 10:59		Received: 06/13/19 11:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	386	mg/L	20.0	1		06/18/19 10:46			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	12.4	mg/L	10.0	1	06/20/19 09:35	06/20/19 11:57			
5210B BOD, 5 day		Analytical Method: SM22 5210B Preparation Method: SM22 5210B							
BOD, 5 day	<4.0	mg/L	4.0	2	06/14/19 09:43	06/19/19 09:29			
7196 Chromium, Hexavalent		Analytical Method: EPA 7196A							
Chromium, Hexavalent	<0.020	mg/L	0.020	1		06/13/19 16:38	18540-29-9	H3	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	5.1	mg/L	2.0	1		06/28/19 23:20	16887-00-6		
Sulfate	160	mg/L	25.0	5		07/01/19 21:09	14808-79-8		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	0.27	mg/L	0.10	1	06/26/19 05:54	06/26/19 13:07	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	0.24	mg/L	0.050	1		06/13/19 23:52	14797-55-8		
Nitrate-Nitrite (as N)	0.24	mg/L	0.050	1		06/13/19 23:52	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/13/19 21:42	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		06/27/19 15:26	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C							
Cyanide	<10.0	ug/L	10.0	1	06/20/19 07:48	06/20/19 13:49	57-12-5		
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon	2.9	mg/L	1.0	1		06/21/19 21:42	7440-44-0		
Total Organic Carbon	3.1	mg/L	1.0	1		06/21/19 21:42	7440-44-0		
Total Organic Carbon	2.6	mg/L	1.0	1		06/21/19 21:42	7440-44-0		
Total Organic Carbon	3.2	mg/L	1.0	1		06/21/19 21:42	7440-44-0		
Mean Total Organic Carbon	3.0	mg/L	1.0	1		06/21/19 21:42	7440-44-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-8S		Lab ID: 7093441005	Collected: 06/12/19 10:07	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	6.86	Std. Units		1		06/12/19 10:07		
Field Temperature	13.2	deg C		1		06/12/19 10:07		
Field Specific Conductance	934	umhos/cm		1		06/12/19 10:07		
REDOX	-22	mV		1		06/12/19 10:07		
Field Turbidity	4.74	NTU		1		06/12/19 10:07		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Aluminum	<200	ug/L	200	1	06/14/19 17:12	06/25/19 14:14	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	06/14/19 17:12	06/25/19 14:14	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:14	7440-38-2	
Barium	732	ug/L	200	1	06/14/19 17:12	06/25/19 14:14	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	06/14/19 17:12	06/25/19 14:14	7440-41-7	
Boron	50.6	ug/L	50.0	1	06/14/19 17:12	06/25/19 14:14	7440-42-8	
Cadmium	<2.5	ug/L	2.5	1	06/14/19 17:12	06/25/19 14:14	7440-43-9	
Calcium	136000	ug/L	200	1	06/14/19 17:12	06/25/19 14:14	7440-70-2	
Chromium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:14	7440-47-3	
Copper	<25.0	ug/L	25.0	1	06/14/19 17:12	06/25/19 14:14	7440-50-8	
Iron	286	ug/L	20.0	1	06/14/19 17:12	06/25/19 14:14	7439-89-6	
Lead	<5.0	ug/L	5.0	1	06/14/19 17:12	06/25/19 14:14	7439-92-1	
Magnesium	30200	ug/L	200	1	06/14/19 17:12	06/25/19 14:14	7439-95-4	
Manganese	24300	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:14	7439-96-5	
Nickel	<40.0	ug/L	40.0	1	06/14/19 17:12	06/25/19 14:14	7440-02-0	
Potassium	6000	ug/L	5000	1	06/14/19 17:12	06/25/19 14:14	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:14	7782-49-2	
Silver	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:14	7440-22-4	
Sodium	12900	ug/L	5000	1	06/14/19 17:12	06/25/19 14:14	7440-23-5	
Thallium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:14	7440-28-0	
Zinc	34.7	ug/L	20.0	1	06/14/19 17:12	06/25/19 14:14	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A						
Mercury	<0.20	ug/L	0.20	1	06/21/19 10:50	06/21/19 19:13	7439-97-6	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	3.1	NTU	1.0	1		06/14/19 07:25		
2120B W Apparent Color		Analytical Method: SM22 2120B						
Apparent Color	10.0	units	5.0	1		06/13/19 17:07		
pH	6.5	Std. Units	0.10	1		06/13/19 17:07		
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	469	mg/L	1.0	1		06/25/19 17:18		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO3 (SM 2340B	367	mg/L	5.0	1		06/26/19 18:52		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-8S		Lab ID: 7093441005	Collected: 06/12/19 10:07	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	440	mg/L	20.0	1		06/18/19 10:56		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	43.3	mg/L	10.0	1	06/20/19 09:35	06/20/19 11:58		
5210B BOD, 5 day		Analytical Method: SM22 5210B Preparation Method: SM22 5210B						
BOD, 5 day	<2.0	mg/L	2.0	1	06/14/19 09:43	06/19/19 09:20		
7196 Chromium, Hexavalent		Analytical Method: EPA 7196A						
Chromium, Hexavalent	<0.020	mg/L	0.020	1		06/13/19 16:38	18540-29-9	H3
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	16.8	mg/L	2.0	1		06/28/19 23:37	16887-00-6	
Sulfate	11.6	mg/L	5.0	1		06/28/19 23:37	14808-79-8	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	0.18	mg/L	0.10	1	06/26/19 05:54	06/26/19 13:08	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	2.7	mg/L	0.50	10		06/13/19 23:55	14797-55-8	
Nitrate-Nitrite (as N)	2.7	mg/L	0.50	10		06/13/19 23:55	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/13/19 21:43	14797-65-0	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		06/27/19 15:27	7664-41-7	
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C						
Cyanide	<10.0	ug/L	10.0	1	06/20/19 07:48	06/20/19 13:50	57-12-5	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	1.5	mg/L	1.0	1		06/21/19 22:09	7440-44-0	
Total Organic Carbon	1.6	mg/L	1.0	1		06/21/19 22:09	7440-44-0	
Total Organic Carbon	1.6	mg/L	1.0	1		06/21/19 22:09	7440-44-0	
Total Organic Carbon	1.5	mg/L	1.0	1		06/21/19 22:09	7440-44-0	
Mean Total Organic Carbon	1.5	mg/L	1.0	1		06/21/19 22:09	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-8D		Lab ID: 7093441006	Collected: 06/12/19 09:53	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	7.28	Std. Units		1		06/12/19 09:53		
Field Temperature	14.7	deg C		1		06/12/19 09:53		
Field Specific Conductance	2360	umhos/cm		1		06/12/19 09:53		
REDOX	-90	mV		1		06/12/19 09:53		
Field Turbidity	9.20	NTU		1		06/12/19 09:53		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Aluminum	<200	ug/L	200	1	06/14/19 17:12	06/25/19 14:17	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	06/14/19 17:12	06/25/19 14:17	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:17	7440-38-2	
Barium	<200	ug/L	200	1	06/14/19 17:12	06/25/19 14:17	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	06/14/19 17:12	06/25/19 14:17	7440-41-7	
Boron	3770	ug/L	50.0	1	06/14/19 17:12	06/25/19 14:17	7440-42-8	
Cadmium	<2.5	ug/L	2.5	1	06/14/19 17:12	06/25/19 14:17	7440-43-9	
Calcium	439000	ug/L	200	1	06/14/19 17:12	06/25/19 14:17	7440-70-2	
Chromium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:17	7440-47-3	
Copper	<25.0	ug/L	25.0	1	06/14/19 17:12	06/25/19 14:17	7440-50-8	
Iron	1180	ug/L	20.0	1	06/14/19 17:12	06/25/19 14:17	7439-89-6	
Lead	<5.0	ug/L	5.0	1	06/14/19 17:12	06/25/19 14:17	7439-92-1	
Magnesium	18800	ug/L	200	1	06/14/19 17:12	06/25/19 14:17	7439-95-4	
Manganese	91.2	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:17	7439-96-5	
Nickel	<40.0	ug/L	40.0	1	06/14/19 17:12	06/25/19 14:17	7440-02-0	
Potassium	58900	ug/L	5000	1	06/14/19 17:12	06/25/19 14:17	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:17	7782-49-2	
Silver	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:17	7440-22-4	
Sodium	87300	ug/L	5000	1	06/14/19 17:12	06/25/19 14:17	7440-23-5	
Thallium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:17	7440-28-0	
Zinc	<20.0	ug/L	20.0	1	06/14/19 17:12	06/25/19 14:17	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A						
Mercury	<0.20	ug/L	0.20	1	06/21/19 10:50	06/21/19 19:15	7439-97-6	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	8.9	NTU	1.0	1		06/14/19 07:25		
2120B W Apparent Color		Analytical Method: SM22 2120B						
Apparent Color	15.0	units	5.0	1		06/13/19 17:07		
pH	6.5	Std. Units	0.10	1		06/13/19 17:07		
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO ₃	125	mg/L	1.0	1		06/25/19 17:27		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO ₃ (SM 2340B)	1170	mg/L	5.0	1		06/26/19 18:52		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-8D		Lab ID: 7093441006	Collected: 06/12/19 09:53	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	1620	mg/L	20.0	1		06/18/19 10:57		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	06/20/19 09:35	06/20/19 11:58		
5210B BOD, 5 day		Analytical Method: SM22 5210B Preparation Method: SM22 5210B						
BOD, 5 day	<4.0	mg/L	4.0	2	06/13/19 17:31	06/18/19 13:49		
7196 Chromium, Hexavalent		Analytical Method: EPA 7196A						
Chromium, Hexavalent	<0.020	mg/L	0.020	1		06/13/19 16:38	18540-29-9	H3
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	182	mg/L	10.0	5		07/01/19 21:26	16887-00-6	
Sulfate	1370	mg/L	250	50		07/01/19 21:42	14808-79-8	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	3.3	mg/L	1.0	10	06/26/19 05:54	06/26/19 13:09	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	<0.050	mg/L	0.050	1		06/13/19 23:59	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/13/19 23:59	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/13/19 21:45	14797-65-0	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	3.9	mg/L	0.10	1		06/27/19 15:28	7664-41-7	
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C						
Cyanide	<10.0	ug/L	10.0	1	06/20/19 07:48	06/20/19 13:51	57-12-5	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	<1.0	mg/L	1.0	1		06/21/19 22:23	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		06/21/19 22:23	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		06/21/19 22:23	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		06/21/19 22:23	7440-44-0	
Mean Total Organic Carbon	<1.0	mg/L	1.0	1		06/21/19 22:23	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-9S		Lab ID: 7093441007	Collected: 06/12/19 10:32		Received: 06/13/19 11:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	7.32	Std. Units		1		06/12/19 10:32		
Field Temperature	16.6	deg C		1		06/12/19 10:32		
Field Specific Conductance	822	umhos/cm		1		06/12/19 10:32		
REDOX	-31	mV		1		06/12/19 10:32		
Field Turbidity	17.8	NTU		1		06/12/19 10:32		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Aluminum	259	ug/L	200	1	06/14/19 17:12	06/25/19 14:19	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	06/14/19 17:12	06/25/19 14:19	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:19	7440-38-2	
Barium	<200	ug/L	200	1	06/14/19 17:12	06/25/19 14:19	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	06/14/19 17:12	06/25/19 14:19	7440-41-7	
Boron	<50.0	ug/L	50.0	1	06/14/19 17:12	06/25/19 14:19	7440-42-8	
Cadmium	<2.5	ug/L	2.5	1	06/14/19 17:12	06/25/19 14:19	7440-43-9	
Calcium	62900	ug/L	200	1	06/14/19 17:12	06/25/19 14:19	7440-70-2	
Chromium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:19	7440-47-3	
Copper	<25.0	ug/L	25.0	1	06/14/19 17:12	06/25/19 14:19	7440-50-8	
Iron	844	ug/L	20.0	1	06/14/19 17:12	06/25/19 14:19	7439-89-6	
Lead	<5.0	ug/L	5.0	1	06/14/19 17:12	06/25/19 14:19	7439-92-1	
Magnesium	45600	ug/L	200	1	06/14/19 17:12	06/25/19 14:19	7439-95-4	
Manganese	125	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:19	7439-96-5	
Nickel	<40.0	ug/L	40.0	1	06/14/19 17:12	06/25/19 14:19	7440-02-0	
Potassium	<5000	ug/L	5000	1	06/14/19 17:12	06/25/19 14:19	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:19	7782-49-2	
Silver	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:19	7440-22-4	
Sodium	34000	ug/L	5000	1	06/14/19 17:12	06/25/19 14:19	7440-23-5	
Thallium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:19	7440-28-0	
Zinc	<20.0	ug/L	20.0	1	06/14/19 17:12	06/25/19 14:19	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A						
Mercury	<0.20	ug/L	0.20	1	06/25/19 12:00	06/26/19 15:56	7439-97-6	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	4.8	NTU	1.0	1		06/14/19 07:25		
2120B W Apparent Color		Analytical Method: SM22 2120B						
Apparent Color	5.0	units	5.0	1		06/13/19 17:07		
pH	7.0	Std. Units	0.10	1		06/13/19 17:07		
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO ₃	274	mg/L	1.0	1		06/25/19 17:41		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO ₃ (SM 2340B)	300	mg/L	5.0	1		06/26/19 18:52		

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-9S		Lab ID: 7093441007		Collected: 06/12/19 10:32		Received: 06/13/19 11:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	454	mg/L	20.0	1			06/18/19 10:58		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	<10.0	mg/L	10.0	1		06/20/19 09:35	06/20/19 11:58		
5210B BOD, 5 day		Analytical Method: SM22 5210B Preparation Method: SM22 5210B							
BOD, 5 day	<4.0	mg/L	4.0	2		06/14/19 09:43	06/19/19 09:24		
7196 Chromium, Hexavalent		Analytical Method: EPA 7196A							
Chromium, Hexavalent	<0.020	mg/L	0.020	1			06/13/19 16:38	18540-29-9	H3
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	104	mg/L	10.0	5			07/01/19 22:33	16887-00-6	
Sulfate	71.6	mg/L	25.0	5			07/01/19 22:33	14808-79-8	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	1.3	mg/L	0.10	1		06/26/19 05:54	06/26/19 13:10	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1			06/14/19 00:00	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1			06/14/19 00:00	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1			06/13/19 21:46	14797-65-0	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	1.1	mg/L	0.10	1			06/27/19 15:29	7664-41-7	
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C							
Cyanide	<10.0	ug/L	10.0	1		06/20/19 07:48	06/20/19 13:52	57-12-5	
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon	2.5	mg/L	1.0	1			06/21/19 22:38	7440-44-0	
Total Organic Carbon	2.4	mg/L	1.0	1			06/21/19 22:38	7440-44-0	
Total Organic Carbon	2.6	mg/L	1.0	1			06/21/19 22:38	7440-44-0	
Total Organic Carbon	2.4	mg/L	1.0	1			06/21/19 22:38	7440-44-0	
Mean Total Organic Carbon	2.5	mg/L	1.0	1			06/21/19 22:38	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-9D		Lab ID: 7093441008	Collected: 06/12/19 10:22	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	7.08	Std. Units		1		06/12/19 10:22		
Field Temperature	17.2	deg C		1		06/12/19 10:22		
Field Specific Conductance	2950	umhos/cm		1		06/12/19 10:22		
REDOX	-65	mV		1		06/12/19 10:22		
Field Turbidity	5.77	NTU		1		06/12/19 10:22		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Aluminum	<200	ug/L	200	1	06/14/19 17:12	06/25/19 14:21	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	06/14/19 17:12	06/25/19 14:21	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:21	7440-38-2	
Barium	<200	ug/L	200	1	06/14/19 17:12	06/25/19 14:21	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	06/14/19 17:12	06/25/19 14:21	7440-41-7	
Boron	3490	ug/L	50.0	1	06/14/19 17:12	06/25/19 14:21	7440-42-8	
Cadmium	<2.5	ug/L	2.5	1	06/14/19 17:12	06/25/19 14:21	7440-43-9	
Calcium	545000	ug/L	200	1	06/14/19 17:12	06/25/19 14:21	7440-70-2	
Chromium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:21	7440-47-3	
Copper	<25.0	ug/L	25.0	1	06/14/19 17:12	06/25/19 14:21	7440-50-8	
Iron	1630	ug/L	20.0	1	06/14/19 17:12	06/25/19 14:21	7439-89-6	
Lead	<5.0	ug/L	5.0	1	06/14/19 17:12	06/25/19 14:21	7439-92-1	
Magnesium	22400	ug/L	200	1	06/14/19 17:12	06/25/19 14:21	7439-95-4	
Manganese	99.4	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:21	7439-96-5	
Nickel	<40.0	ug/L	40.0	1	06/14/19 17:12	06/25/19 14:21	7440-02-0	
Potassium	69500	ug/L	5000	1	06/14/19 17:12	06/25/19 14:21	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:21	7782-49-2	
Silver	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:21	7440-22-4	
Sodium	124000	ug/L	5000	1	06/14/19 17:12	06/25/19 14:21	7440-23-5	
Thallium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:21	7440-28-0	
Zinc	<20.0	ug/L	20.0	1	06/14/19 17:12	06/25/19 14:21	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A						
Mercury	<0.20	ug/L	0.20	1	06/25/19 12:00	06/26/19 15:58	7439-97-6	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	22.8	NTU	5.0	5		06/14/19 07:25		
2120B W Apparent Color		Analytical Method: SM22 2120B						
Apparent Color	15.0	units	5.0	1		06/13/19 17:08		
pH	6.5	Std. Units	0.10	1		06/13/19 17:08		
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO ₃	146	mg/L	1.0	1		06/25/19 17:51		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness as CaCO ₃ (SM 2340B)	1450	mg/L	5.0	1		06/26/19 18:59		

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-9D		Lab ID: 7093441008	Collected: 06/12/19 10:22	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	2420	mg/L	20.0	1		06/18/19 10:58		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	06/20/19 09:35	06/20/19 11:58		
5210B BOD, 5 day	Analytical Method: SM22 5210B Preparation Method: SM22 5210B							
BOD, 5 day	<2.0	mg/L	2.0	1	06/14/19 09:43	06/19/19 09:22		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196A							
Chromium, Hexavalent	<0.020	mg/L	0.020	1		06/13/19 16:38	18540-29-9	H3
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	261	mg/L	20.0	10		07/01/19 22:49	16887-00-6	
Sulfate	1910	mg/L	500	100		07/01/19 23:06	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	5.4	mg/L	0.50	5	06/26/19 05:54	06/26/19 13:26	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		06/14/19 00:01	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/14/19 00:01	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/13/19 21:47	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	4.8	mg/L	0.10	1		06/27/19 15:33	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C							
Cyanide	<10.0	ug/L	10.0	1	06/20/19 07:48	06/20/19 13:53	57-12-5	
9060A TOC as NPOC	Analytical Method: EPA 9060A							
Total Organic Carbon	<1.0	mg/L	1.0	1		06/21/19 23:32	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		06/21/19 23:32	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		06/21/19 23:32	7440-44-0	
Total Organic Carbon	<1.0	mg/L	1.0	1		06/21/19 23:32	7440-44-0	
Mean Total Organic Carbon	<1.0	mg/L	1.0	1		06/21/19 23:32	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-X (DUPE)		Lab ID: 7093441009	Collected: 06/12/19 08:30	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Aluminum	5880	ug/L	200	1	06/14/19 17:12	06/25/19 14:24	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	06/14/19 17:12	06/25/19 14:24	7440-36-0	
Arsenic	15.8	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:24	7440-38-2	
Barium	434	ug/L	200	1	06/14/19 17:12	06/25/19 14:24	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	06/14/19 17:12	06/25/19 14:24	7440-41-7	
Boron	111	ug/L	50.0	1	06/14/19 17:12	06/25/19 14:24	7440-42-8	
Cadmium	<2.5	ug/L	2.5	1	06/14/19 17:12	06/25/19 14:24	7440-43-9	
Calcium	209000	ug/L	200	1	06/14/19 17:12	06/25/19 14:24	7440-70-2	
Chromium	13.6	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:24	7440-47-3	
Copper	33.8	ug/L	25.0	1	06/14/19 17:12	06/25/19 14:24	7440-50-8	
Iron	18100	ug/L	20.0	1	06/14/19 17:12	06/25/19 14:24	7439-89-6	
Lead	<5.0	ug/L	5.0	1	06/14/19 17:12	06/25/19 14:24	7439-92-1	
Magnesium	52500	ug/L	200	1	06/14/19 17:12	06/25/19 14:24	7439-95-4	
Manganese	2240	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:24	7439-96-5	
Nickel	45.5	ug/L	40.0	1	06/14/19 17:12	06/25/19 14:24	7440-02-0	
Potassium	9920	ug/L	5000	1	06/14/19 17:12	06/25/19 14:24	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:24	7782-49-2	
Silver	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:24	7440-22-4	
Sodium	15900	ug/L	5000	1	06/14/19 17:12	06/25/19 14:24	7440-23-5	
Thallium	<10.0	ug/L	10.0	1	06/14/19 17:12	06/25/19 14:24	7440-28-0	
Zinc	41.8	ug/L	20.0	1	06/14/19 17:12	06/25/19 14:24	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A						
Mercury	0.87	ug/L	0.20	1	06/25/19 12:00	06/26/19 16:00	7439-97-6	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	226	NTU	20.0	20		06/14/19 07:25		
2120B W Apparent Color		Analytical Method: SM22 2120B						
Apparent Color	5.0	units	5.0	1		06/13/19 17:08		
pH	6.5	Std. Units	0.10	1		06/13/19 17:08		
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO ₃	533	mg/L	1.0	1		06/25/19 18:12		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness as CaCO ₃ (SM 2340B)	733	mg/L	5.0	1		06/26/19 19:00		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	524	mg/L	20.0	1		06/18/19 10:59		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	30.0	mg/L	10.0	1	06/20/19 09:35	06/20/19 11:59		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-X (DUPE)		Lab ID: 7093441009	Collected: 06/12/19 08:30	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5210B BOD, 5 day		Analytical Method: SM22 5210B Preparation Method: SM22 5210B						
BOD, 5 day	6.1	mg/L	4.0	2	06/13/19 17:31	06/18/19 13:52		
7196 Chromium, Hexavalent		Analytical Method: EPA 7196A						
Chromium, Hexavalent	<0.020	mg/L	0.020	1		06/13/19 16:39	18540-29-9	H3
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	23.1	mg/L	2.0	1		06/29/19 01:17	16887-00-6	
Sulfate	49.7	mg/L	5.0	1		06/29/19 01:17	14808-79-8	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	1.8	mg/L	0.10	1	06/26/19 05:54	06/26/19 13:11	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	0.34	mg/L	0.050	1		06/14/19 00:03	14797-55-8	
Nitrate-Nitrite (as N)	0.39	mg/L	0.050	1		06/14/19 00:03	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/13/19 21:51	14797-65-0	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	0.49	mg/L	0.10	1		06/27/19 15:34	7664-41-7	
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C						
Cyanide	<10.0	ug/L	10.0	1	06/20/19 07:48	06/20/19 13:54	57-12-5	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	2.6	mg/L	1.0	1		06/21/19 23:47	7440-44-0	
Total Organic Carbon	2.7	mg/L	1.0	1		06/21/19 23:47	7440-44-0	
Total Organic Carbon	2.6	mg/L	1.0	1		06/21/19 23:47	7440-44-0	
Total Organic Carbon	2.6	mg/L	1.0	1		06/21/19 23:47	7440-44-0	
Mean Total Organic Carbon	2.6	mg/L	1.0	1		06/21/19 23:47	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-5S		Lab ID: 7093441010	Collected: 06/11/19 11:36	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1						
Benzene	<1.0	ug/L	1.0	1		06/18/19 21:16	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/18/19 21:16	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/18/19 21:16	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/18/19 21:16	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/18/19 21:16	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/18/19 21:16	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/18/19 21:16	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/18/19 21:16	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/18/19 21:16	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/18/19 21:16	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 21:16	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 21:16	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 21:16	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/18/19 21:16	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 21:16	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 21:16	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 21:16	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 21:16	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 21:16	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/18/19 21:16	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 21:16	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 21:16	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/18/19 21:16	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/18/19 21:16	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/18/19 21:16	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/18/19 21:16	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/18/19 21:16	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 21:16	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 21:16	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/18/19 21:16	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/18/19 21:16	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/18/19 21:16	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/18/19 21:16	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	94	%	79-124	1		06/18/19 21:16	460-00-4	
Toluene-d8 (S)	101	%	69-127	1		06/18/19 21:16	2037-26-5	
1,2-Dichloroethane-d4 (S)	104	%	68-153	1		06/18/19 21:16	17060-07-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-5D		Lab ID: 7093441011	Collected: 06/11/19 11:53		Received: 06/13/19 11:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1						
Benzene	<1.0	ug/L	1.0	1		06/18/19 20:58	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/18/19 20:58	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/18/19 20:58	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/18/19 20:58	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/18/19 20:58	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/18/19 20:58	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/18/19 20:58	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/18/19 20:58	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/18/19 20:58	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/18/19 20:58	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 20:58	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 20:58	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 20:58	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/18/19 20:58	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 20:58	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 20:58	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 20:58	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 20:58	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 20:58	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/18/19 20:58	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 20:58	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 20:58	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/18/19 20:58	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/18/19 20:58	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/18/19 20:58	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/18/19 20:58	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/18/19 20:58	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 20:58	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 20:58	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/18/19 20:58	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/18/19 20:58	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/18/19 20:58	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/18/19 20:58	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	97	%	79-124	1		06/18/19 20:58	460-00-4	
Toluene-d8 (S)	104	%	69-127	1		06/18/19 20:58	2037-26-5	
1,2-Dichloroethane-d4 (S)	102	%	68-153	1		06/18/19 20:58	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-6S		Lab ID: 7093441012	Collected: 06/11/19 14:46	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1						
Benzene	<1.0	ug/L	1.0	1		06/18/19 20:40	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/18/19 20:40	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/18/19 20:40	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/18/19 20:40	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/18/19 20:40	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/18/19 20:40	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/18/19 20:40	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/18/19 20:40	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/18/19 20:40	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/18/19 20:40	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 20:40	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 20:40	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 20:40	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/18/19 20:40	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 20:40	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 20:40	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 20:40	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 20:40	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 20:40	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/18/19 20:40	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 20:40	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 20:40	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/18/19 20:40	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/18/19 20:40	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/18/19 20:40	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/18/19 20:40	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/18/19 20:40	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 20:40	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 20:40	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/18/19 20:40	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/18/19 20:40	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/18/19 20:40	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/18/19 20:40	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	95	%	79-124	1		06/18/19 20:40	460-00-4	
Toluene-d8 (S)	100	%	69-127	1		06/18/19 20:40	2037-26-5	
1,2-Dichloroethane-d4 (S)	103	%	68-153	1		06/18/19 20:40	17060-07-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-6D		Lab ID: 7093441013	Collected: 06/11/19 14:52	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1						
Benzene	<1.0	ug/L	1.0	1		06/18/19 20:22	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/18/19 20:22	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/18/19 20:22	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/18/19 20:22	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/18/19 20:22	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/18/19 20:22	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/18/19 20:22	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/18/19 20:22	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/18/19 20:22	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/18/19 20:22	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 20:22	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 20:22	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 20:22	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/18/19 20:22	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 20:22	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 20:22	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 20:22	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 20:22	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 20:22	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/18/19 20:22	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 20:22	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 20:22	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/18/19 20:22	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/18/19 20:22	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/18/19 20:22	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/18/19 20:22	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/18/19 20:22	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 20:22	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 20:22	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/18/19 20:22	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/18/19 20:22	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/18/19 20:22	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/18/19 20:22	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	92	%	79-124	1		06/18/19 20:22	460-00-4	
Toluene-d8 (S)	105	%	69-127	1		06/18/19 20:22	2037-26-5	
1,2-Dichloroethane-d4 (S)	112	%	68-153	1		06/18/19 20:22	17060-07-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-8S		Lab ID: 7093441014	Collected: 06/11/19 13:05	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1						
Benzene	<1.0	ug/L	1.0	1		06/18/19 20:04	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/18/19 20:04	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/18/19 20:04	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/18/19 20:04	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/18/19 20:04	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/18/19 20:04	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/18/19 20:04	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/18/19 20:04	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/18/19 20:04	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/18/19 20:04	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 20:04	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 20:04	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 20:04	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/18/19 20:04	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 20:04	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 20:04	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 20:04	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 20:04	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 20:04	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/18/19 20:04	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 20:04	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 20:04	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/18/19 20:04	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/18/19 20:04	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/18/19 20:04	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/18/19 20:04	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/18/19 20:04	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 20:04	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 20:04	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/18/19 20:04	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/18/19 20:04	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/18/19 20:04	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/18/19 20:04	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	93	%	79-124	1		06/18/19 20:04	460-00-4	
Toluene-d8 (S)	100	%	69-127	1		06/18/19 20:04	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%	68-153	1		06/18/19 20:04	17060-07-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-8D		Lab ID: 7093441015	Collected: 06/11/19 12:48	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1						
Benzene	<1.0	ug/L	1.0	1		06/18/19 19:46	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/18/19 19:46	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/18/19 19:46	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/18/19 19:46	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/18/19 19:46	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/18/19 19:46	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/18/19 19:46	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/18/19 19:46	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/18/19 19:46	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/18/19 19:46	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 19:46	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 19:46	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 19:46	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/18/19 19:46	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 19:46	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 19:46	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 19:46	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 19:46	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 19:46	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/18/19 19:46	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 19:46	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 19:46	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/18/19 19:46	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/18/19 19:46	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/18/19 19:46	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/18/19 19:46	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/18/19 19:46	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 19:46	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 19:46	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/18/19 19:46	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/18/19 19:46	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/18/19 19:46	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/18/19 19:46	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	95	%	79-124	1		06/18/19 19:46	460-00-4	
Toluene-d8 (S)	100	%	69-127	1		06/18/19 19:46	2037-26-5	
1,2-Dichloroethane-d4 (S)	101	%	68-153	1		06/18/19 19:46	17060-07-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: MW-9S		Lab ID: 7093441016	Collected: 06/11/19 13:59	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1						
Benzene	<1.0	ug/L	1.0	1		06/18/19 19:28	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/18/19 19:28	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/18/19 19:28	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/18/19 19:28	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/18/19 19:28	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/18/19 19:28	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/18/19 19:28	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/18/19 19:28	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/18/19 19:28	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/18/19 19:28	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 19:28	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 19:28	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 19:28	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/18/19 19:28	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 19:28	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 19:28	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 19:28	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 19:28	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 19:28	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/18/19 19:28	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 19:28	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 19:28	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/18/19 19:28	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/18/19 19:28	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/18/19 19:28	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/18/19 19:28	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/18/19 19:28	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 19:28	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 19:28	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/18/19 19:28	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/18/19 19:28	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/18/19 19:28	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/18/19 19:28	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	96	%	79-124	1		06/18/19 19:28	460-00-4	
Toluene-d8 (S)	102	%	69-127	1		06/18/19 19:28	2037-26-5	
1,2-Dichloroethane-d4 (S)	100	%	68-153	1		06/18/19 19:28	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1

Pace Project No.: 7093441

Sample: MW-9D		Lab ID: 7093441017	Collected: 06/11/19 13:33	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1						
Benzene	<1.0	ug/L	1.0	1		06/18/19 19:10	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/18/19 19:10	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/18/19 19:10	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/18/19 19:10	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/18/19 19:10	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/18/19 19:10	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/18/19 19:10	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/18/19 19:10	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/18/19 19:10	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/18/19 19:10	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 19:10	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 19:10	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 19:10	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/18/19 19:10	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 19:10	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 19:10	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 19:10	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 19:10	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 19:10	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/18/19 19:10	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 19:10	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 19:10	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/18/19 19:10	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/18/19 19:10	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/18/19 19:10	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/18/19 19:10	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/18/19 19:10	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 19:10	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 19:10	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/18/19 19:10	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/18/19 19:10	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/18/19 19:10	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/18/19 19:10	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	95	%	79-124	1		06/18/19 19:10	460-00-4	
Toluene-d8 (S)	101	%	69-127	1		06/18/19 19:10	2037-26-5	
1,2-Dichloroethane-d4 (S)	101	%	68-153	1		06/18/19 19:10	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1

Pace Project No.: 7093441

Sample: MW-X (DUPE)		Lab ID: 7093441018	Collected: 06/11/19 11:36	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1						
Benzene	<1.0	ug/L	1.0	1		06/18/19 18:52	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/18/19 18:52	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/18/19 18:52	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/18/19 18:52	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/18/19 18:52	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/18/19 18:52	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/18/19 18:52	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/18/19 18:52	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/18/19 18:52	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/18/19 18:52	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 18:52	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 18:52	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 18:52	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/18/19 18:52	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 18:52	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 18:52	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 18:52	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 18:52	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 18:52	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/18/19 18:52	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 18:52	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 18:52	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/18/19 18:52	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/18/19 18:52	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/18/19 18:52	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/18/19 18:52	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/18/19 18:52	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 18:52	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 18:52	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/18/19 18:52	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/18/19 18:52	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/18/19 18:52	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/18/19 18:52	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	94	%	79-124	1		06/18/19 18:52	460-00-4	
Toluene-d8 (S)	102	%	69-127	1		06/18/19 18:52	2037-26-5	
1,2-Dichloroethane-d4 (S)	101	%	68-153	1		06/18/19 18:52	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: TRIP BLANK		Lab ID: 7093441019	Collected: 06/11/19 00:00	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1						
Benzene	<1.0	ug/L	1.0	1		06/18/19 18:34	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/18/19 18:34	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/18/19 18:34	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/18/19 18:34	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/18/19 18:34	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/18/19 18:34	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/18/19 18:34	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/18/19 18:34	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/18/19 18:34	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/18/19 18:34	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 18:34	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 18:34	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 18:34	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/18/19 18:34	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 18:34	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 18:34	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 18:34	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 18:34	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 18:34	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/18/19 18:34	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 18:34	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 18:34	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/18/19 18:34	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/18/19 18:34	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/18/19 18:34	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/18/19 18:34	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/18/19 18:34	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 18:34	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 18:34	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/18/19 18:34	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/18/19 18:34	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/18/19 18:34	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/18/19 18:34	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	98	%	79-124	1		06/18/19 18:34	460-00-4	
Toluene-d8 (S)	104	%	69-127	1		06/18/19 18:34	2037-26-5	
1,2-Dichloroethane-d4 (S)	102	%	68-153	1		06/18/19 18:34	17060-07-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Sample: STORAGE BLANK		Lab ID: 7093441020	Collected: 06/13/19 00:00	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1						
Benzene	<1.0	ug/L	1.0	1		06/18/19 18:16	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/18/19 18:16	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/18/19 18:16	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/18/19 18:16	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/18/19 18:16	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/18/19 18:16	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/18/19 18:16	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/18/19 18:16	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/18/19 18:16	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/18/19 18:16	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 18:16	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 18:16	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/18/19 18:16	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/18/19 18:16	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 18:16	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/18/19 18:16	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 18:16	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 18:16	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/18/19 18:16	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/18/19 18:16	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 18:16	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/18/19 18:16	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/18/19 18:16	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/18/19 18:16	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/18/19 18:16	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/18/19 18:16	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/18/19 18:16	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 18:16	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/18/19 18:16	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/18/19 18:16	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/18/19 18:16	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/18/19 18:16	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/18/19 18:16	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	91	%	79-124	1		06/18/19 18:16	460-00-4	
Toluene-d8 (S)	98	%	69-127	1		06/18/19 18:16	2037-26-5	
1,2-Dichloroethane-d4 (S)	100	%	68-153	1		06/18/19 18:16	17060-07-0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

QC Batch: 118317 Analysis Method: EPA 6010C
QC Batch Method: EPA 6010C Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 7093441001, 7093441002

METHOD BLANK: 561490 Matrix: Water
Associated Lab Samples: 7093441001, 7093441002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	<200	200	06/26/19 12:21	
Antimony, Dissolved	ug/L	<60.0	60.0	06/26/19 12:21	
Arsenic, Dissolved	ug/L	<10.0	10.0	06/26/19 12:21	
Barium, Dissolved	ug/L	<200	200	06/26/19 12:21	
Beryllium, Dissolved	ug/L	<5.0	5.0	06/26/19 12:21	
Boron, Dissolved	ug/L	<50.0	50.0	06/26/19 12:21	
Cadmium, Dissolved	ug/L	<2.5	2.5	06/26/19 12:21	
Calcium, Dissolved	ug/L	<200	200	06/26/19 12:21	
Chromium, Dissolved	ug/L	<10.0	10.0	06/26/19 12:21	
Copper, Dissolved	ug/L	<25.0	25.0	06/26/19 12:21	
Iron, Dissolved	ug/L	<20.0	20.0	06/26/19 12:21	
Lead, Dissolved	ug/L	<5.0	5.0	06/26/19 12:21	
Magnesium, Dissolved	ug/L	<200	200	06/26/19 12:21	
Manganese, Dissolved	ug/L	<10.0	10.0	06/26/19 12:21	
Nickel, Dissolved	ug/L	<40.0	40.0	06/26/19 12:21	
Potassium, Dissolved	ug/L	<5000	5000	06/26/19 12:21	
Selenium, Dissolved	ug/L	<10.0	10.0	06/26/19 12:21	
Silver, Dissolved	ug/L	<10.0	10.0	06/26/19 12:21	
Sodium, Dissolved	ug/L	<5000	5000	06/26/19 12:21	
Thallium, Dissolved	ug/L	<10.0	10.0	06/26/19 12:21	
Zinc, Dissolved	ug/L	<20.0	20.0	06/26/19 12:21	

LABORATORY CONTROL SAMPLE: 561491

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	5000	5040	101	80-120	
Antimony, Dissolved	ug/L	750	715	95	80-120	
Arsenic, Dissolved	ug/L	500	488	98	80-120	
Barium, Dissolved	ug/L	500	494	99	80-120	
Beryllium, Dissolved	ug/L	50	50.7	101	80-120	
Boron, Dissolved	ug/L	2500	2520	101	80-120	
Cadmium, Dissolved	ug/L	50	49.9	100	80-120	
Calcium, Dissolved	ug/L	25000	25400	102	80-120	
Chromium, Dissolved	ug/L	250	251	100	80-120	
Copper, Dissolved	ug/L	250	248	99	80-120	
Iron, Dissolved	ug/L	2000	2040	102	80-120	
Lead, Dissolved	ug/L	500	501	100	80-120	
Magnesium, Dissolved	ug/L	25000	24900	100	80-120	
Manganese, Dissolved	ug/L	250	252	101	80-120	
Nickel, Dissolved	ug/L	250	249	100	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

LABORATORY CONTROL SAMPLE: 561491

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Potassium, Dissolved	ug/L	50000	47900	96	80-120	
Selenium, Dissolved	ug/L	750	746	99	80-120	
Silver, Dissolved	ug/L	250	235	94	80-120	
Sodium, Dissolved	ug/L	50000	48700	97	80-120	
Thallium, Dissolved	ug/L	750	739	99	80-120	
Zinc, Dissolved	ug/L	1000	1000	100	80-120	

MATRIX SPIKE SAMPLE: 567821

Parameter	Units	7093441002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	<200	5000	5030	101	75-125	
Antimony, Dissolved	ug/L	<60.0	750	768	102	75-125	
Arsenic, Dissolved	ug/L	<10.0	500	498	100	75-125	
Barium, Dissolved	ug/L	<200	500	503	99	75-125	
Beryllium, Dissolved	ug/L	<5.0	50	48.6	97	75-125	
Boron, Dissolved	ug/L	3430	2500	5830	96	75-125	
Cadmium, Dissolved	ug/L	<2.5	50	48.0	96	75-125	
Calcium, Dissolved	ug/L	418000	25000	428000	40	75-125	M1
Chromium, Dissolved	ug/L	<10.0	250	248	99	75-125	
Copper, Dissolved	ug/L	<25.0	250	244	96	75-125	
Iron, Dissolved	ug/L	92.2	2000	2090	100	75-125	
Lead, Dissolved	ug/L	<5.0	500	489	98	75-125	
Magnesium, Dissolved	ug/L	19700	25000	43800	96	75-125	
Manganese, Dissolved	ug/L	63.0	250	309	98	75-125	
Nickel, Dissolved	ug/L	<40.0	250	246	97	75-125	
Potassium, Dissolved	ug/L	53200	50000	97400	88	75-125	
Selenium, Dissolved	ug/L	<10.0	750	749	99	75-125	
Silver, Dissolved	ug/L	<10.0	250	83.3	33	75-125	M1
Sodium, Dissolved	ug/L	63300	50000	112000	97	75-125	
Thallium, Dissolved	ug/L	<10.0	750	720	96	75-125	
Zinc, Dissolved	ug/L	<20.0	1000	985	98	75-125	

SAMPLE DUPLICATE: 567820

Parameter	Units	7093441002 Result	Dup Result	RPD	Qualifiers
Aluminum, Dissolved	ug/L	<200	<200		
Antimony, Dissolved	ug/L	<60.0	<60.0		
Arsenic, Dissolved	ug/L	<10.0	<10.0		
Barium, Dissolved	ug/L	<200	<200		
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Boron, Dissolved	ug/L	3430	3400	1	
Cadmium, Dissolved	ug/L	<2.5	<2.5		
Calcium, Dissolved	ug/L	418000	416000	0	
Chromium, Dissolved	ug/L	<10.0	<10.0		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

SAMPLE DUPLICATE: 567820

Parameter	Units	7093441002 Result	Dup Result	RPD	Qualifiers
Copper, Dissolved	ug/L	<25.0	<25.0		
Iron, Dissolved	ug/L	92.2	93.7	2	
Lead, Dissolved	ug/L	<5.0	<5.0		
Magnesium, Dissolved	ug/L	19700	19500	1	
Manganese, Dissolved	ug/L	63.0	62.3	1	
Nickel, Dissolved	ug/L	<40.0	<40.0		
Potassium, Dissolved	ug/L	53200	53100	0	
Selenium, Dissolved	ug/L	<10.0	<10.0		
Silver, Dissolved	ug/L	<10.0	<10.0		
Sodium, Dissolved	ug/L	63300	62700	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 LANDFILL 6/1
Pace Project No.: 7093441

QC Batch: 118862 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006

METHOD BLANK: 564845 Matrix: Water
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	06/21/19 18:28	

LABORATORY CONTROL SAMPLE: 564846

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.0	101	80-120	

MATRIX SPIKE SAMPLE: 564847

Parameter	Units	7093441002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	1	0.81	78	75-125	

SAMPLE DUPLICATE: 564848

Parameter	Units	7093441002 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	<0.20	<0.20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

QC Batch: 119313 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
Associated Lab Samples: 7093441007, 7093441008, 7093441009

METHOD BLANK: 567130 Matrix: Water
Associated Lab Samples: 7093441007, 7093441008, 7093441009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	06/26/19 15:19	

LABORATORY CONTROL SAMPLE: 567131

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	0.87	87	80-120	

MATRIX SPIKE SAMPLE: 567132

Parameter	Units	7092062010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	1	1.0	96	75-125	

SAMPLE DUPLICATE: 567133

Parameter	Units	7092062010 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	<0.20	<0.20		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

QC Batch: 118858 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury Dissolved
Associated Lab Samples: 7093441001, 7093441002

METHOD BLANK: 564836 Matrix: Water

Associated Lab Samples: 7093441001, 7093441002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.20	0.20	06/21/19 14:47	

LABORATORY CONTROL SAMPLE: 564837

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	1	1.0	103	80-120	

MATRIX SPIKE SAMPLE: 564838

Parameter	Units	7093441002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	<0.20	1	0.90	86	75-125	

SAMPLE DUPLICATE: 564839

Parameter	Units	7093441002 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 LANDFILL 6/1
Pace Project No.: 7093441

QC Batch: 117890 Analysis Method: EPA 6010C
QC Batch Method: EPA 3005A Analysis Description: 6010 MET Water
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

METHOD BLANK: 558463 Matrix: Water
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<200	200	06/25/19 13:39	
Antimony	ug/L	<60.0	60.0	06/25/19 13:39	
Arsenic	ug/L	<10.0	10.0	06/25/19 13:39	
Barium	ug/L	<200	200	06/25/19 13:39	
Beryllium	ug/L	<5.0	5.0	06/25/19 13:39	
Boron	ug/L	<50.0	50.0	06/25/19 13:39	
Cadmium	ug/L	<2.5	2.5	06/25/19 13:39	
Calcium	ug/L	<200	200	06/25/19 13:39	
Chromium	ug/L	<10.0	10.0	06/25/19 13:39	
Copper	ug/L	<25.0	25.0	06/25/19 13:39	
Iron	ug/L	<20.0	20.0	06/25/19 13:39	
Lead	ug/L	<5.0	5.0	06/25/19 13:39	
Magnesium	ug/L	<200	200	06/25/19 13:39	
Manganese	ug/L	<10.0	10.0	06/25/19 13:39	
Nickel	ug/L	<40.0	40.0	06/25/19 13:39	
Potassium	ug/L	<5000	5000	06/25/19 13:39	
Selenium	ug/L	<10.0	10.0	06/25/19 13:39	
Silver	ug/L	<10.0	10.0	06/25/19 13:39	
Sodium	ug/L	<5000	5000	06/25/19 13:39	
Thallium	ug/L	<10.0	10.0	06/25/19 13:39	
Zinc	ug/L	<20.0	20.0	06/25/19 13:39	

LABORATORY CONTROL SAMPLE: 558464

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	4840	97	80-120	
Antimony	ug/L	750	710	95	80-120	
Arsenic	ug/L	500	482	96	80-120	
Barium	ug/L	500	494	99	80-120	
Beryllium	ug/L	50	50.0	100	80-120	
Boron	ug/L	2500	2480	99	80-120	
Cadmium	ug/L	50	49.8	100	80-120	
Calcium	ug/L	25000	25200	101	80-120	
Chromium	ug/L	250	252	101	80-120	
Copper	ug/L	250	249	100	80-120	
Iron	ug/L	2000	2020	101	80-120	
Lead	ug/L	500	504	101	80-120	
Magnesium	ug/L	25000	24200	97	80-120	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

LABORATORY CONTROL SAMPLE: 558464

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Manganese	ug/L	250	249	100	80-120	
Nickel	ug/L	250	251	100	80-120	
Potassium	ug/L	50000	47300	95	80-120	
Selenium	ug/L	750	731	97	80-120	
Silver	ug/L	250	241	96	80-120	
Sodium	ug/L	50000	48200	96	80-120	
Thallium	ug/L	750	755	101	80-120	
Zinc	ug/L	1000	1000	100	80-120	

MATRIX SPIKE SAMPLE: 558466

Parameter	Units	7093441002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	211	5000	5580	107	75-125	
Antimony	ug/L	<60.0	750	779	104	75-125	
Arsenic	ug/L	40.0	500	544	101	75-125	
Barium	ug/L	<200	500	521	102	75-125	
Beryllium	ug/L	<5.0	50	51.0	102	75-125	
Boron	ug/L	3660	2500	6060	96	75-125	
Cadmium	ug/L	<2.5	50	49.6	99	75-125	
Calcium	ug/L	442000	25000	445000	12	75-125	M1
Chromium	ug/L	<10.0	250	261	103	75-125	
Copper	ug/L	<25.0	250	264	99	75-125	
Iron	ug/L	10600	2000	11800	57	75-125	M1
Lead	ug/L	<5.0	500	507	101	75-125	
Magnesium	ug/L	20400	25000	43900	94	75-125	
Manganese	ug/L	110	250	359	100	75-125	
Nickel	ug/L	<40.0	250	262	102	75-125	
Potassium	ug/L	60000	50000	106000	92	75-125	
Selenium	ug/L	<10.0	750	767	101	75-125	
Silver	ug/L	<10.0	250	275	110	75-125	
Sodium	ug/L	69800	50000	117000	94	75-125	
Thallium	ug/L	<10.0	750	753	100	75-125	
Zinc	ug/L	22.3	1000	1020	100	75-125	

MATRIX SPIKE SAMPLE: 558468

Parameter	Units	7093605007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	64.7J	5000	4940	98	75-125	
Antimony	ug/L	<60.0	750	753	99	75-125	
Arsenic	ug/L	<10.0	500	487	97	75-125	
Barium	ug/L	70.2J	500	565	99	75-125	
Beryllium	ug/L	<5.0	50	50.2	100	75-125	
Boron	ug/L	<50.0	2500	2480	99	75-125	
Cadmium	ug/L	<2.5	50	50.1	100	75-125	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

MATRIX SPIKE SAMPLE: 558468		7093605007	Spike	MS	MS	% Rec	Qualifiers
Parameter	Units	Result	Conc.	Result	% Rec	Limits	
Calcium	ug/L	30100	25000	55100	100	75-125	
Chromium	ug/L	5.1J	250	258	101	75-125	
Copper	ug/L	<25.0	250	252	100	75-125	
Iron	ug/L	93.3	2000	2130	102	75-125	
Lead	ug/L	<5.0	500	505	101	75-125	
Magnesium	ug/L	817	25000	24800	96	75-125	
Manganese	ug/L	6.8J	250	253	98	75-125	
Nickel	ug/L	<40.0	250	254	100	75-125	
Potassium	ug/L	1490J	50000	48100	93	75-125	
Selenium	ug/L	<10.0	750	730	97	75-125	
Silver	ug/L	<10.0	250	254	101	75-125	
Sodium	ug/L	13200	50000	61800	97	75-125	
Thallium	ug/L	<10.0	750	756	101	75-125	
Zinc	ug/L	<20.0	1000	1010	101	75-125	

SAMPLE DUPLICATE: 558465

Parameter	Units	7093441002	Dup	RPD	Qualifiers
		Result	Result		
Aluminum	ug/L	211	<200		
Antimony	ug/L	<60.0	<60.0		
Arsenic	ug/L	40.0	34.8	14	
Barium	ug/L	<200	<200		
Beryllium	ug/L	<5.0	<5.0		
Boron	ug/L	3660	3650	0	
Cadmium	ug/L	<2.5	<2.5		
Calcium	ug/L	442000	438000	1	
Chromium	ug/L	<10.0	<10.0		
Copper	ug/L	<25.0	<25.0		
Iron	ug/L	10600	10200	5	
Lead	ug/L	<5.0	<5.0		
Magnesium	ug/L	20400	20200	1	
Manganese	ug/L	110	109	1	
Nickel	ug/L	<40.0	<40.0		
Potassium	ug/L	60000	57600	4	
Selenium	ug/L	<10.0	<10.0		
Silver	ug/L	<10.0	<10.0		
Sodium	ug/L	69800	67900	3	
Thallium	ug/L	<10.0	<10.0		
Zinc	ug/L	22.3	22.3	0	

SAMPLE DUPLICATE: 558467

Parameter	Units	7093605007	Dup	RPD	Qualifiers
		Result	Result		
Aluminum	ug/L	64.7J	<200		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

SAMPLE DUPLICATE: 558467

Parameter	Units	7093605007 Result	Dup Result	RPD	Qualifiers
Antimony	ug/L	<60.0	<60.0		
Arsenic	ug/L	<10.0	<10.0		
Barium	ug/L	70.2J	<200		
Beryllium	ug/L	<5.0	<5.0		
Boron	ug/L	<50.0	<50.0		
Cadmium	ug/L	<2.5	<2.5		
Calcium	ug/L	30100	30100	0	
Chromium	ug/L	5.1J	<10.0		
Copper	ug/L	<25.0	<25.0		
Iron	ug/L	93.3	97.5	4	
Lead	ug/L	<5.0	<5.0		
Magnesium	ug/L	817	818	0	
Manganese	ug/L	6.8J	<10.0		
Nickel	ug/L	<40.0	<40.0		
Potassium	ug/L	1490J	<5000		
Selenium	ug/L	<10.0	<10.0		
Silver	ug/L	<10.0	<10.0		
Sodium	ug/L	13200	13200	0	
Thallium	ug/L	<10.0	<10.0		
Zinc	ug/L	<20.0	<20.0		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

QC Batch:	118314	Analysis Method:	EPA 624.1
QC Batch Method:	EPA 624.1	Analysis Description:	624.1 MSV
Associated Lab Samples:	7093441010, 7093441011, 7093441012, 7093441013, 7093441014, 7093441015, 7093441016, 7093441017, 7093441018, 7093441019, 7093441020		

METHOD BLANK:	561474	Matrix:	Water
Associated Lab Samples:	7093441010, 7093441011, 7093441012, 7093441013, 7093441014, 7093441015, 7093441016, 7093441017, 7093441018, 7093441019, 7093441020		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	06/18/19 16:52	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	06/18/19 16:52	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	06/18/19 16:52	
1,1-Dichloroethane	ug/L	<1.0	1.0	06/18/19 16:52	
1,1-Dichloroethene	ug/L	<1.0	1.0	06/18/19 16:52	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	06/18/19 16:52	
1,2-Dichloroethane	ug/L	<1.0	1.0	06/18/19 16:52	
1,2-Dichloropropane	ug/L	<1.0	1.0	06/18/19 16:52	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	06/18/19 16:52	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	06/18/19 16:52	
Benzene	ug/L	<1.0	1.0	06/18/19 16:52	
Bromodichloromethane	ug/L	<1.0	1.0	06/18/19 16:52	
Bromoform	ug/L	<1.0	1.0	06/18/19 16:52	
Bromomethane	ug/L	<1.0	1.0	06/18/19 16:52	
Carbon tetrachloride	ug/L	<1.0	1.0	06/18/19 16:52	
Chlorobenzene	ug/L	<1.0	1.0	06/18/19 16:52	
Chloroethane	ug/L	<1.0	1.0	06/18/19 16:52	
Chloroform	ug/L	<1.0	1.0	06/18/19 16:52	
Chloromethane	ug/L	<1.0	1.0	06/18/19 16:52	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	06/18/19 16:52	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	06/18/19 16:52	
Dibromochloromethane	ug/L	<1.0	1.0	06/18/19 16:52	
Dichlorodifluoromethane	ug/L	<1.0	1.0	06/18/19 16:52	
Ethylbenzene	ug/L	<1.0	1.0	06/18/19 16:52	
Methylene Chloride	ug/L	<1.0	1.0	06/18/19 16:52	
Tetrachloroethene	ug/L	<1.0	1.0	06/18/19 16:52	
Toluene	ug/L	<1.0	1.0	06/18/19 16:52	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	06/18/19 16:52	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	06/18/19 16:52	
Trichloroethene	ug/L	<1.0	1.0	06/18/19 16:52	
Trichlorofluoromethane	ug/L	<1.0	1.0	06/18/19 16:52	
Vinyl chloride	ug/L	<1.0	1.0	06/18/19 16:52	
Xylene (Total)	ug/L	<1.0	1.0	06/18/19 16:52	
1,2-Dichloroethane-d4 (S)	%	102	68-153	06/18/19 16:52	
4-Bromofluorobenzene (S)	%	96	79-124	06/18/19 16:52	
Toluene-d8 (S)	%	102	69-127	06/18/19 16:52	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

LABORATORY CONTROL SAMPLE: 561475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	16.7	83	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.6	113	60-140	
1,1,2-Trichloroethane	ug/L	20	19.1	96	70-130	
1,1-Dichloroethane	ug/L	20	19.4	97	70-130	
1,1-Dichloroethene	ug/L	20	15.4	77	70-130	
1,2-Dichlorobenzene	ug/L	20	18.0	90	65-135	
1,2-Dichloroethane	ug/L	20	19.5	98	70-130	
1,2-Dichloropropane	ug/L	20	18.8	94	35-165	
1,3-Dichlorobenzene	ug/L	20	18.7	93	70-130	
1,4-Dichlorobenzene	ug/L	20	17.8	89	65-135	
Benzene	ug/L	20	19.0	95	65-135	
Bromodichloromethane	ug/L	20	18.1	90	65-135	
Bromoform	ug/L	20	16.8	84	70-130	
Bromomethane	ug/L	20	19.4	97	15-185	
Carbon tetrachloride	ug/L	20	17.8	89	70-130	
Chlorobenzene	ug/L	20	17.4	87	65-135	
Chloroethane	ug/L	20	21.0	105	40-160	
Chloroform	ug/L	20	18.9	95	70-135	
Chloromethane	ug/L	20	24.6	123	10-205	
cis-1,2-Dichloroethene	ug/L	20	17.9	90	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.1	90	25-175	
Dibromochloromethane	ug/L	20	18.6	93	70-135	
Dichlorodifluoromethane	ug/L	20	21.6	108	70-130	
Ethylbenzene	ug/L	20	16.0	80	60-140	
Methylene Chloride	ug/L	20	17.2	86	60-140	
Tetrachloroethene	ug/L	20	14.5	73	65-135	
Toluene	ug/L	20	17.3	86	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.9	89	70-130	
trans-1,3-Dichloropropene	ug/L	20	17.5	87	50-150	
Trichloroethene	ug/L	20	16.9	84	65-135	
Trichlorofluoromethane	ug/L	20	19.2	96	50-150	
Vinyl chloride	ug/L	20	23.0	115	5-195	
Xylene (Total)	ug/L	60	47.2	79	70-130	
1,2-Dichloroethane-d4 (S)	%			106	68-153	
4-Bromofluorobenzene (S)	%			94	79-124	
Toluene-d8 (S)	%			97	69-127	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 561476 561477

Parameter	Units	7093441011		MS		MSD		MS		MSD		% Rec		RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	% Rec	Limits		
1,1,1-Trichloroethane	ug/L	<1.0	20	20	20	19.1	17.9	96	89	70-130	7				
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	20	20	21.8	20.4	109	102	40-160	7				
1,1,2-Trichloroethane	ug/L	<1.0	20	20	20	18.5	17.0	92	85	70-130	8				
1,1-Dichloroethane	ug/L	<1.0	20	20	20	21.1	19.5	105	97	70-130	8				

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 561476 561477											
Parameter	Units	7093441011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1-Dichloroethene	ug/L	<1.0	20	20	19.5	16.7	98	83	50-150	16	
1,2-Dichlorobenzene	ug/L	<1.0	20	20	17.6	16.8	88	84	62-135	5	
1,2-Dichloroethane	ug/L	<1.0	20	20	18.6	18.1	93	90	70-130	3	
1,2-Dichloropropane	ug/L	<1.0	20	20	19.6	18.1	98	90	35-165	8	
1,3-Dichlorobenzene	ug/L	<1.0	20	20	18.6	17.5	93	88	70-130	6	
1,4-Dichlorobenzene	ug/L	<1.0	20	20	17.7	17.0	89	85	65-135	4	
Benzene	ug/L	<1.0	20	20	20.3	19.2	102	96	37-151	6	
Bromodichloromethane	ug/L	<1.0	20	20	18.4	17.2	92	86	65-135	7	
Bromoform	ug/L	<1.0	20	20	17.1	16.3	86	81	70-130	5	
Bromomethane	ug/L	<1.0	20	20	20.5	20.0	103	100	15-185	3	
Carbon tetrachloride	ug/L	<1.0	20	20	20.8	19.2	104	96	70-130	8	
Chlorobenzene	ug/L	<1.0	20	20	17.7	17.2	88	86	65-135	3	
Chloroethane	ug/L	<1.0	20	20	22.7	21.4	113	107	40-160	6	
Chloroform	ug/L	<1.0	20	20	19.3	18.6	96	93	70-135	4	
Chloromethane	ug/L	<1.0	20	20	26.6	24.6	133	123	10-205	8	
cis-1,2-Dichloroethene	ug/L	<1.0	20	20	19.0	17.9	95	90	40-160	6	
cis-1,3-Dichloropropene	ug/L	<1.0	20	20	17.5	16.3	87	82	25-175	7	
Dibromochloromethane	ug/L	<1.0	20	20	18.9	18.0	94	90	70-135	5	
Dichlorodifluoromethane	ug/L	<1.0	20	20	23.8	22.1	119	111	40-160	7	
Ethylbenzene	ug/L	<1.0	20	20	16.3	16.2	82	81	40-160	1	
Methylene Chloride	ug/L	<1.0	20	20	19.4	17.6	97	88	40-160	9	
Tetrachloroethene	ug/L	<1.0	20	20	15.5	14.9	77	75	70-130	4	
Toluene	ug/L	<1.0	20	20	19.0	17.5	95	88	70-130	8	
trans-1,2-Dichloroethene	ug/L	<1.0	20	20	19.9	18.5	99	93	70-130	7	
trans-1,3-Dichloropropene	ug/L	<1.0	20	20	16.7	15.4	84	77	50-150	8	
Trichloroethene	ug/L	<1.0	20	20	18.6	17.8	93	89	65-135	4	
Trichlorofluoromethane	ug/L	<1.0	20	20	22.3	20.5	112	102	50-150	8	
Vinyl chloride	ug/L	<1.0	20	20	25.6	23.5	128	117	40-160	9	
Xylene (Total)	ug/L	<1.0	60	60	52.6	46.9	88	78	40-160	11	
1,2-Dichloroethane-d4 (S)	%						101	104	68-153		
4-Bromofluorobenzene (S)	%						95	94	79-124		
Toluene-d8 (S)	%						104	98	69-127		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

QC Batch: 117689 Analysis Method: EPA 180.1
QC Batch Method: EPA 180.1 Analysis Description: 180.1 Turbidity
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

METHOD BLANK: 557384 Matrix: Water
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Turbidity	NTU	<1.0	1.0	06/14/19 07:25	

LABORATORY CONTROL SAMPLE: 557385

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Turbidity	NTU	10	10.1	101	90-110	

SAMPLE DUPLICATE: 557386

Parameter	Units	7093441002 Result	Dup Result	RPD	Qualifiers
Turbidity	NTU	124	123	1	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

QC Batch: 117687 Analysis Method: SM22 2120B
QC Batch Method: SM22 2120B Analysis Description: 2120B Color
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

METHOD BLANK: 557376 Matrix: Water
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Apparent Color	units	<5.0	5.0	06/13/19 17:06	

LABORATORY CONTROL SAMPLE: 557377

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

SAMPLE DUPLICATE: 557378

Parameter	Units	7093441002 Result	Dup Result	RPD	Qualifiers
Apparent Color	units	15.0	15.0	0	
pH	Std. Units	7.0	7.0	0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

QC Batch: 119302 Analysis Method: SM22 2320B
QC Batch Method: SM22 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

METHOD BLANK: 567092 Matrix: Water
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<1.0	1.0	06/25/19 14:40	

LABORATORY CONTROL SAMPLE: 567093

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	25	26.0	104	85-115	

MATRIX SPIKE SAMPLE: 567095

Parameter	Units	7093441002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	135	25	160	100	75-125	

SAMPLE DUPLICATE: 567094

Parameter	Units	7093441002 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	135	136	1	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

QC Batch: 119575 Analysis Method: SM22 2340C
QC Batch Method: SM22 2340C Analysis Description: 2340C Hardness, Total
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

METHOD BLANK: 568264 Matrix: Water
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tot Hardness asCaCO3 (SM 2340B)	mg/L	<5.0	5.0	06/26/19 18:18	

LABORATORY CONTROL SAMPLE: 568265

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tot Hardness asCaCO3 (SM 2340B)	mg/L	100	98.0	98	90-110	

MATRIX SPIKE SAMPLE: 568266

Parameter	Units	7093441002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Tot Hardness asCaCO3 (SM 2340B)	mg/L	1200	2000	3160	98	75-125	

SAMPLE DUPLICATE: 568267

Parameter	Units	7093441002 Result	Dup Result	RPD	Qualifiers
Tot Hardness asCaCO3 (SM 2340B)	mg/L	1200	1200	0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

QC Batch: 118157 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 7093441001, 7093441002, 7093441003

METHOD BLANK: 560774 Matrix: Water

Associated Lab Samples: 7093441001, 7093441002, 7093441003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	06/18/19 09:50	

LABORATORY CONTROL SAMPLE: 560775

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	504	101	85-115	

MATRIX SPIKE SAMPLE: 560777

Parameter	Units	7093260001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	60.0	300	342	94	75-125	

MATRIX SPIKE SAMPLE: 560779

Parameter	Units	7093441002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1710	600	2420	118	75-125	

SAMPLE DUPLICATE: 560776

Parameter	Units	7093260001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	60.0	55.0	9	D6

SAMPLE DUPLICATE: 560778

Parameter	Units	7093441002 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	1710	1770	3	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

QC Batch: 118158 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

METHOD BLANK: 560780 Matrix: Water
Associated Lab Samples: 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	06/18/19 10:45	

LABORATORY CONTROL SAMPLE: 560781

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	456	91	85-115	

MATRIX SPIKE SAMPLE: 560783

Parameter	Units	7093441004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	386	600	982	99	75-125	

MATRIX SPIKE SAMPLE: 560785

Parameter	Units	7093605007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	104	300	380	92	75-125	

SAMPLE DUPLICATE: 560782

Parameter	Units	7093441004 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	386	392	2	

SAMPLE DUPLICATE: 560784

Parameter	Units	7093605007 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	104	92.0	12	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1

Pace Project No.: 7093441

QC Batch: 118560 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

METHOD BLANK: 563421 Matrix: Water
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	10.0	06/20/19 11:51	

LABORATORY CONTROL SAMPLE: 563422

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	515	103	90-110	

MATRIX SPIKE SAMPLE: 563423

Parameter	Units	7093264001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	43.3	1000	1020	98	90-110	

MATRIX SPIKE SAMPLE: 563425

Parameter	Units	7093441002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	25.6	1000	1020	100	90-110	

SAMPLE DUPLICATE: 563424

Parameter	Units	7093264001 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	43.3	49.9	14	

SAMPLE DUPLICATE: 563426

Parameter	Units	7093441002 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	25.6	25.6	0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

QC Batch: 117707 Analysis Method: SM22 5210B
QC Batch Method: SM22 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 7093441001, 7093441002, 7093441006, 7093441009

METHOD BLANK: 557446 Matrix: Water
Associated Lab Samples: 7093441001, 7093441002, 7093441006, 7093441009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	<2.0	2.0	06/18/19 12:48	

LABORATORY CONTROL SAMPLE: 557447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	173	87	84.5-115.4	

SAMPLE DUPLICATE: 557448

Parameter	Units	7093441002 Result	Dup Result	RPD	Qualifiers
BOD, 5 day	mg/L	7.5	8.7	14	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1

Pace Project No.: 7093441

QC Batch: 117786 Analysis Method: SM22 5210B
QC Batch Method: SM22 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 7093441003, 7093441004, 7093441005, 7093441007, 7093441008

METHOD BLANK: 557846 Matrix: Water
Associated Lab Samples: 7093441003, 7093441004, 7093441005, 7093441007, 7093441008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	<2.0	2.0	06/19/19 09:02	

LABORATORY CONTROL SAMPLE: 557847

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	181	91	84.5-115.4	

SAMPLE DUPLICATE: 557848

Parameter	Units	7093316001 Result	Dup Result	RPD	Qualifiers
BOD, 5 day	mg/L	105	100	4	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

QC Batch: 117677 Analysis Method: EPA 7196A
QC Batch Method: EPA 7196A Analysis Description: 7196 Chromium, Hexavalent
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

METHOD BLANK: 557322 Matrix: Water
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.020	06/13/19 16:37	

LABORATORY CONTROL SAMPLE: 557323

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	0.2	0.21	106	85-115	

MATRIX SPIKE SAMPLE: 557351

Parameter	Units	7093441002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.2	0.20	102	85-115	H3

SAMPLE DUPLICATE: 557352

Parameter	Units	7093441002 Result	Dup Result	RPD	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	<0.020		H3

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

QC Batch: 119987 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

METHOD BLANK: 570352 Matrix: Water
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	06/28/19 18:53	
Sulfate	mg/L	<5.0	5.0	06/28/19 18:53	

LABORATORY CONTROL SAMPLE: 570353

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.9	109	90-110	
Sulfate	mg/L	10	9.3	93	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 570354 570355

Parameter	Units	7092143005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Chloride	mg/L	16.1	10	10	27.2	27.8	111	117	80-120	2	
Sulfate	mg/L	49.4	10	10	60.0	58.0	105	86	80-120	3	

MATRIX SPIKE SAMPLE: 570398

Parameter	Units	7093441002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	113	50	165	103	80-120	
Sulfate	mg/L	1370	500	1890	103	80-120	

SAMPLE DUPLICATE: 570399

Parameter	Units	7093441002 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	113	114	1	
Sulfate	mg/L	1370	1300	5	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1

Pace Project No.: 7093441

QC Batch: 119394 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

METHOD BLANK: 567599 Matrix: Water
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.10	0.10	06/26/19 12:59	

LABORATORY CONTROL SAMPLE: 567600

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4	4.0	101	90-110	

MATRIX SPIKE SAMPLE: 567601

Parameter	Units	7093441002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4.1	4	10.7	164	90-110	M1

MATRIX SPIKE SAMPLE: 567603

Parameter	Units	7094134002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4.8	4	8.7	99	90-110	

SAMPLE DUPLICATE: 567602

Parameter	Units	7093441002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4.1	4.1	0	

SAMPLE DUPLICATE: 567604

Parameter	Units	7094134002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4.8	4.8	0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

QC Batch: 117709 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

METHOD BLANK: 557496 Matrix: Water
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	06/13/19 21:20	

LABORATORY CONTROL SAMPLE: 557497

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: 557498

Parameter	Units	7093444001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1.6	0.5	6.6	1010	90-110	

MATRIX SPIKE SAMPLE: 557500

Parameter	Units	7093441002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.52	104	90-110	

SAMPLE DUPLICATE: 557499

Parameter	Units	7093444001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	1.6	1.5	4	

SAMPLE DUPLICATE: 557501

Parameter	Units	7093441002 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 LANDFILL 6/1

Pace Project No.: 7093441

QC Batch: 117719 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate, Unpres.
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

METHOD BLANK: 557711 Matrix: Water
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	06/13/19 23:35	

LABORATORY CONTROL SAMPLE: 557712

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: 557713

Parameter	Units	7093385001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.47	0.5	0.95	96	90-110	

MATRIX SPIKE SAMPLE: 557715

Parameter	Units	7093441002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.051	0.5	0.55	100	90-110	

SAMPLE DUPLICATE: 557714

Parameter	Units	7093385001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.47	0.45	6	

SAMPLE DUPLICATE: 557716

Parameter	Units	7093441002 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.051	<0.050		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

QC Batch: 119751 Analysis Method: SM22 4500 NH3 H
QC Batch Method: SM22 4500 NH3 H Analysis Description: 4500 Ammonia
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

METHOD BLANK: 569038 Matrix: Water
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	0.10	06/27/19 15:16	

LABORATORY CONTROL SAMPLE: 569039

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	100	90-110	

MATRIX SPIKE SAMPLE: 569040

Parameter	Units	7093441002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	3.5	1	4.4	95	75-125	

SAMPLE DUPLICATE: 569041

Parameter	Units	7093441002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	3.5	3.5	0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

QC Batch: 118547 Analysis Method: EPA 9014 Total Cyanide
QC Batch Method: EPA 9010C Analysis Description: 9014 Cyanide, Total
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

METHOD BLANK: 563378 Matrix: Water
Associated Lab Samples: 7093441001, 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	06/20/19 13:42	

LABORATORY CONTROL SAMPLE: 563379

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	67.3	90	85-115	

MATRIX SPIKE SAMPLE: 563380

Parameter	Units	7093441002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	<10.0	100	101	100	75-125	

SAMPLE DUPLICATE: 563381

Parameter	Units	7093441002 Result	Dup Result	RPD	Qualifiers
Cyanide	ug/L	<10.0	<10.0		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

QC Batch: 118775 Analysis Method: EPA 9060A
QC Batch Method: EPA 9060A Analysis Description: 9060 TOC
Associated Lab Samples: 7093441001

METHOD BLANK: 564526 Matrix: Water
Associated Lab Samples: 7093441001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	<1.0	1.0	06/21/19 14:06	
Total Organic Carbon	mg/L	<1.0	1.0	06/21/19 14:06	
Total Organic Carbon	mg/L	<1.0	1.0	06/21/19 14:06	
Total Organic Carbon	mg/L	<1.0	1.0	06/21/19 14:06	
Total Organic Carbon	mg/L	<1.0	1.0	06/21/19 14:06	

LABORATORY CONTROL SAMPLE: 564527

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	10	9.2	92	85-115	
Total Organic Carbon	mg/L	10	9.2	92	85-115	
Total Organic Carbon	mg/L	10	9.2	92	85-115	
Total Organic Carbon	mg/L	10	9.1	91	85-115	
Total Organic Carbon	mg/L	10	9.2	92	85-115	

MATRIX SPIKE SAMPLE: 564529

Parameter	Units	7092926001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	278	10	280	27	75-125	M6
Total Organic Carbon	mg/L	276	10	282	53	75-125	M6
Total Organic Carbon	mg/L	281	10	280	-10	75-125	M6
Total Organic Carbon	mg/L	291	10	291	-5	75-125	M6
Total Organic Carbon	mg/L	277	10	279	17	75-125	M6

SAMPLE DUPLICATE: 564528

Parameter	Units	7092926001 Result	Dup Result	RPD	Qualifiers
Mean Total Organic Carbon	mg/L	278	276	1	
Total Organic Carbon	mg/L	291	287	1	
Total Organic Carbon	mg/L	281	276	2	
Total Organic Carbon	mg/L	277	276	0	
Total Organic Carbon	mg/L	276	278	0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN LANDFILL 6/1

Pace Project No.: 7093441

QC Batch: 118776 Analysis Method: EPA 9060A
QC Batch Method: EPA 9060A Analysis Description: 9060 TOC
Associated Lab Samples: 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

METHOD BLANK: 564530 Matrix: Water
Associated Lab Samples: 7093441002, 7093441003, 7093441004, 7093441005, 7093441006, 7093441007, 7093441008, 7093441009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	<1.0	1.0	06/21/19 19:54	
Total Organic Carbon	mg/L	<1.0	1.0	06/21/19 19:54	
Total Organic Carbon	mg/L	<1.0	1.0	06/21/19 19:54	
Total Organic Carbon	mg/L	<1.0	1.0	06/21/19 19:54	
Total Organic Carbon	mg/L	<1.0	1.0	06/21/19 19:54	

LABORATORY CONTROL SAMPLE: 564531

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	10	9.2	92	85-115	
Total Organic Carbon	mg/L	10	9.3	93	85-115	
Total Organic Carbon	mg/L	10	9.2	92	85-115	
Total Organic Carbon	mg/L	10	9.2	92	85-115	
Total Organic Carbon	mg/L	10	9.3	93	85-115	

MATRIX SPIKE SAMPLE: 564533

Parameter	Units	7093441002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	4.8	10	14.4	95	75-125	
Total Organic Carbon	mg/L	4.8	10	14.2	94	75-125	
Total Organic Carbon	mg/L	4.8	10	14.4	96	75-125	
Total Organic Carbon	mg/L	4.8	10	14.4	96	75-125	
Total Organic Carbon	mg/L	4.8	10	14.5	96	75-125	

SAMPLE DUPLICATE: 564532

Parameter	Units	7093441002 Result	Dup Result	RPD	Qualifiers
Mean Total Organic Carbon	mg/L	4.8	4.5	7	
Total Organic Carbon	mg/L	4.8	4.5	7	
Total Organic Carbon	mg/L	4.8	4.5	7	
Total Organic Carbon	mg/L	4.8	4.5	6	
Total Organic Carbon	mg/L	4.8	4.5	6	

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QUALIFIERS

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

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: 7093441010
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7093441011
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7093441012
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7093441013
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7093441014
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7093441015
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7093441017
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7093441019
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7093441020
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.

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QUALIFIERS

Project: TOWN OF VAN BUREN LANDFILL 6/1

Pace Project No.: 7093441

SAMPLE QUALIFIERS

Sample: 561476

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

Sample: 561477

[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.

H3 Sample was received or analysis requested beyond the recognized method holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7093441001	MW-5S				
7093441002	MW-5D				
7093441003	MW-6S				
7093441004	MW-6D				
7093441005	MW-8S				
7093441006	MW-8D				
7093441007	MW-9S				
7093441008	MW-9D				
7093441001	MW-5S	EPA 3005A	117890	EPA 6010C	117898
7093441002	MW-5D	EPA 3005A	117890	EPA 6010C	117898
7093441003	MW-6S	EPA 3005A	117890	EPA 6010C	117898
7093441004	MW-6D	EPA 3005A	117890	EPA 6010C	117898
7093441005	MW-8S	EPA 3005A	117890	EPA 6010C	117898
7093441006	MW-8D	EPA 3005A	117890	EPA 6010C	117898
7093441007	MW-9S	EPA 3005A	117890	EPA 6010C	117898
7093441008	MW-9D	EPA 3005A	117890	EPA 6010C	117898
7093441009	MW-X (DUPE)	EPA 3005A	117890	EPA 6010C	117898
7093441001	MW-5S	EPA 6010C	118317		
7093441002	MW-5D	EPA 6010C	118317		
7093441001	MW-5S	EPA 7470A	118862	EPA 7470A	118885
7093441002	MW-5D	EPA 7470A	118862	EPA 7470A	118885
7093441003	MW-6S	EPA 7470A	118862	EPA 7470A	118885
7093441004	MW-6D	EPA 7470A	118862	EPA 7470A	118885
7093441005	MW-8S	EPA 7470A	118862	EPA 7470A	118885
7093441006	MW-8D	EPA 7470A	118862	EPA 7470A	118885
7093441007	MW-9S	EPA 7470A	119313	EPA 7470A	119323
7093441008	MW-9D	EPA 7470A	119313	EPA 7470A	119323
7093441009	MW-X (DUPE)	EPA 7470A	119313	EPA 7470A	119323
7093441001	MW-5S	EPA 7470A	118858	EPA 7470A	118883
7093441002	MW-5D	EPA 7470A	118858	EPA 7470A	118883
7093441010	MW-5S	EPA 624.1	118314		
7093441011	MW-5D	EPA 624.1	118314		
7093441012	MW-6S	EPA 624.1	118314		
7093441013	MW-6D	EPA 624.1	118314		
7093441014	MW-8S	EPA 624.1	118314		
7093441015	MW-8D	EPA 624.1	118314		
7093441016	MW-9S	EPA 624.1	118314		
7093441017	MW-9D	EPA 624.1	118314		
7093441018	MW-X (DUPE)	EPA 624.1	118314		
7093441019	TRIP BLANK	EPA 624.1	118314		
7093441020	STORAGE BLANK	EPA 624.1	118314		
7093441001	MW-5S	EPA 180.1	117689		
7093441002	MW-5D	EPA 180.1	117689		
7093441003	MW-6S	EPA 180.1	117689		
7093441004	MW-6D	EPA 180.1	117689		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7093441005	MW-8S	EPA 180.1	117689		
7093441006	MW-8D	EPA 180.1	117689		
7093441007	MW-9S	EPA 180.1	117689		
7093441008	MW-9D	EPA 180.1	117689		
7093441009	MW-X (DUPE)	EPA 180.1	117689		
7093441001	MW-5S	SM22 2120B	117687		
7093441002	MW-5D	SM22 2120B	117687		
7093441003	MW-6S	SM22 2120B	117687		
7093441004	MW-6D	SM22 2120B	117687		
7093441005	MW-8S	SM22 2120B	117687		
7093441006	MW-8D	SM22 2120B	117687		
7093441007	MW-9S	SM22 2120B	117687		
7093441008	MW-9D	SM22 2120B	117687		
7093441009	MW-X (DUPE)	SM22 2120B	117687		
7093441001	MW-5S	SM22 2320B	119302		
7093441002	MW-5D	SM22 2320B	119302		
7093441003	MW-6S	SM22 2320B	119302		
7093441004	MW-6D	SM22 2320B	119302		
7093441005	MW-8S	SM22 2320B	119302		
7093441006	MW-8D	SM22 2320B	119302		
7093441007	MW-9S	SM22 2320B	119302		
7093441008	MW-9D	SM22 2320B	119302		
7093441009	MW-X (DUPE)	SM22 2320B	119302		
7093441001	MW-5S	SM22 2340C	119575		
7093441002	MW-5D	SM22 2340C	119575		
7093441003	MW-6S	SM22 2340C	119575		
7093441004	MW-6D	SM22 2340C	119575		
7093441005	MW-8S	SM22 2340C	119575		
7093441006	MW-8D	SM22 2340C	119575		
7093441007	MW-9S	SM22 2340C	119575		
7093441008	MW-9D	SM22 2340C	119575		
7093441009	MW-X (DUPE)	SM22 2340C	119575		
7093441001	MW-5S	SM22 2540C	118157		
7093441002	MW-5D	SM22 2540C	118157		
7093441003	MW-6S	SM22 2540C	118157		
7093441004	MW-6D	SM22 2540C	118158		
7093441005	MW-8S	SM22 2540C	118158		
7093441006	MW-8D	SM22 2540C	118158		
7093441007	MW-9S	SM22 2540C	118158		
7093441008	MW-9D	SM22 2540C	118158		
7093441009	MW-X (DUPE)	SM22 2540C	118158		
7093441001	MW-5S	EPA 410.4	118560	EPA 410.4	118586
7093441002	MW-5D	EPA 410.4	118560	EPA 410.4	118586
7093441003	MW-6S	EPA 410.4	118560	EPA 410.4	118586
7093441004	MW-6D	EPA 410.4	118560	EPA 410.4	118586
7093441005	MW-8S	EPA 410.4	118560	EPA 410.4	118586

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7093441006	MW-8D	EPA 410.4	118560	EPA 410.4	118586
7093441007	MW-9S	EPA 410.4	118560	EPA 410.4	118586
7093441008	MW-9D	EPA 410.4	118560	EPA 410.4	118586
7093441009	MW-X (DUPE)	EPA 410.4	118560	EPA 410.4	118586
7093441001	MW-5S	SM22 5210B	117707	SM22 5210B	118405
7093441002	MW-5D	SM22 5210B	117707	SM22 5210B	118405
7093441003	MW-6S	SM22 5210B	117786	SM22 5210B	118675
7093441004	MW-6D	SM22 5210B	117786	SM22 5210B	118675
7093441005	MW-8S	SM22 5210B	117786	SM22 5210B	118675
7093441006	MW-8D	SM22 5210B	117707	SM22 5210B	118405
7093441007	MW-9S	SM22 5210B	117786	SM22 5210B	118675
7093441008	MW-9D	SM22 5210B	117786	SM22 5210B	118675
7093441009	MW-X (DUPE)	SM22 5210B	117707	SM22 5210B	118405
7093441001	MW-5S	EPA 7196A	117677		
7093441002	MW-5D	EPA 7196A	117677		
7093441003	MW-6S	EPA 7196A	117677		
7093441004	MW-6D	EPA 7196A	117677		
7093441005	MW-8S	EPA 7196A	117677		
7093441006	MW-8D	EPA 7196A	117677		
7093441007	MW-9S	EPA 7196A	117677		
7093441008	MW-9D	EPA 7196A	117677		
7093441009	MW-X (DUPE)	EPA 7196A	117677		
7093441001	MW-5S	EPA 300.0	119987		
7093441002	MW-5D	EPA 300.0	119987		
7093441003	MW-6S	EPA 300.0	119987		
7093441004	MW-6D	EPA 300.0	119987		
7093441005	MW-8S	EPA 300.0	119987		
7093441006	MW-8D	EPA 300.0	119987		
7093441007	MW-9S	EPA 300.0	119987		
7093441008	MW-9D	EPA 300.0	119987		
7093441009	MW-X (DUPE)	EPA 300.0	119987		
7093441001	MW-5S	EPA 351.2	119394	EPA 351.2	119403
7093441002	MW-5D	EPA 351.2	119394	EPA 351.2	119403
7093441003	MW-6S	EPA 351.2	119394	EPA 351.2	119403
7093441004	MW-6D	EPA 351.2	119394	EPA 351.2	119403
7093441005	MW-8S	EPA 351.2	119394	EPA 351.2	119403
7093441006	MW-8D	EPA 351.2	119394	EPA 351.2	119403
7093441007	MW-9S	EPA 351.2	119394	EPA 351.2	119403
7093441008	MW-9D	EPA 351.2	119394	EPA 351.2	119403
7093441009	MW-X (DUPE)	EPA 351.2	119394	EPA 351.2	119403
7093441001	MW-5S	EPA 353.2	117719		
7093441002	MW-5D	EPA 353.2	117719		
7093441003	MW-6S	EPA 353.2	117719		
7093441004	MW-6D	EPA 353.2	117719		

REPORT OF LABORATORY ANALYSIS

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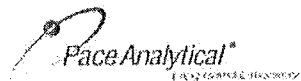
QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF VAN BUREN LANDFILL 6/1
Pace Project No.: 7093441

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7093441005	MW-8S	EPA 353.2	117719		
7093441006	MW-8D	EPA 353.2	117719		
7093441007	MW-9S	EPA 353.2	117719		
7093441008	MW-9D	EPA 353.2	117719		
7093441009	MW-X (DUPE)	EPA 353.2	117719		
7093441001	MW-5S	EPA 353.2	117709		
7093441002	MW-5D	EPA 353.2	117709		
7093441003	MW-6S	EPA 353.2	117709		
7093441004	MW-6D	EPA 353.2	117709		
7093441005	MW-8S	EPA 353.2	117709		
7093441006	MW-8D	EPA 353.2	117709		
7093441007	MW-9S	EPA 353.2	117709		
7093441008	MW-9D	EPA 353.2	117709		
7093441009	MW-X (DUPE)	EPA 353.2	117709		
7093441001	MW-5S	SM22 4500 NH3 H	119751		
7093441002	MW-5D	SM22 4500 NH3 H	119751		
7093441003	MW-6S	SM22 4500 NH3 H	119751		
7093441004	MW-6D	SM22 4500 NH3 H	119751		
7093441005	MW-8S	SM22 4500 NH3 H	119751		
7093441006	MW-8D	SM22 4500 NH3 H	119751		
7093441007	MW-9S	SM22 4500 NH3 H	119751		
7093441008	MW-9D	SM22 4500 NH3 H	119751		
7093441009	MW-X (DUPE)	SM22 4500 NH3 H	119751		
7093441001	MW-5S	EPA 9010C	118547	EPA 9014 Total Cyanide	118568
7093441002	MW-5D	EPA 9010C	118547	EPA 9014 Total Cyanide	118568
7093441003	MW-6S	EPA 9010C	118547	EPA 9014 Total Cyanide	118568
7093441004	MW-6D	EPA 9010C	118547	EPA 9014 Total Cyanide	118568
7093441005	MW-8S	EPA 9010C	118547	EPA 9014 Total Cyanide	118568
7093441006	MW-8D	EPA 9010C	118547	EPA 9014 Total Cyanide	118568
7093441007	MW-9S	EPA 9010C	118547	EPA 9014 Total Cyanide	118568
7093441008	MW-9D	EPA 9010C	118547	EPA 9014 Total Cyanide	118568
7093441009	MW-X (DUPE)	EPA 9010C	118547	EPA 9014 Total Cyanide	118568
7093441001	MW-5S	EPA 9060A	118775		
7093441002	MW-5D	EPA 9060A	118776		
7093441003	MW-6S	EPA 9060A	118776		
7093441004	MW-6D	EPA 9060A	118776		
7093441005	MW-8S	EPA 9060A	118776		
7093441006	MW-8D	EPA 9060A	118776		
7093441007	MW-9S	EPA 9060A	118776		
7093441008	MW-9D	EPA 9060A	118776		
7093441009	MW-X (DUPE)	EPA 9060A	118776		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Client Name:

ENALYTIC

Project

WO#: 7093441

PM: JSA Due Date: 06/27/19

CLIENT: ENALYTIC

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

Tracking #: 77545763 3750

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals intact: ☐ Yes ☐ NoTemperature Blank Present: ☐ Yes ☒ NoPacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ Ziploc ☐ None ☐ OtherType of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: T1091

Correction Factor: +0.2

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 2.3, 4.1

Cooler Temperature Corrected (°C): 2.5, 4.3

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C 3.7, 2.4

8.0, 2.6

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

Date and Initials of person examining contents: SKG/13/19

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 (internationally, 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 MS/MSD)	☒ Yes ☐ No	8.
Correct Containers Used:	☒ Yes ☐ No	9.
-Pace Containers Used:	☒ Yes ☐ No	
Containers Intact:	☒ Yes ☐ No	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒ Yes ☐ No	12. No equipment Blank provided
-Includes date/time/ID/Analysis Matrix SL WT OIL		
All containers needing preservation have been checked:	☒ Yes ☐ No ☐ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # HC863463		Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	☒ Yes ☐ No ☐ N/A	
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 #		Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #		
Headspace in VOA Vials (>6mm):	☐ Yes ☒ No ☐ N/A	15.
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	16.
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

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

F-LI-C-002-rev.02

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ANALYTICAL REPORT

Job Number: 420-155415-1

SDG Number: 7093441

Job Description: Pace Analytical Sevicees, Inc.-Mellville

For:

Pace Analytical Mellville
575 Broadhollow Road
Melville, NY 11747

Attention: James Murphy

Laura Marciano

Laura L Marciano

Customer Service Manager

lmarciano@envirotestlaboratories.com

06/28/2019

cc: Ms. Jen Aracri
Betty Harrison
Accounts Payable
Sophia Sparkes

NYSDOH ELAP does not certify for all parameters. EnviroTest Laboratories does hold certification for all analytes where certification is offered by ELAP unless otherwise specified in the Certification Information section of this report. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval of the laboratory. EnviroTest Laboratories Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our laboratory. All questions regarding this report should be directed to the EnviroTest Customer Service Representative.

EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOH PH-0554

Envirotest Laboratories, Inc.

315 Fullerton Avenue, Newburgh, NY 12550

Tel (845) 562-0890 Fax (845) 562-0841 www.envirotestlaboratories.com

EXECUTIVE SUMMARY - Detections

Client: Pace Analytical Melville

Job Number: 420-155415-1

Sdg Number: 7093441

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
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No Detections

METHOD SUMMARY

Client: Pace Analytical Melville

Job Number: 420-155415-1

SDG Number: 7093441

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Phenolics (Total Recoverable, Colorimetric, Semi-Automated, with Distillation)	EnvTest	EPA EPA 420.4 Rev.1	
Distillation/Phenolics	EnvTest		Distill/Phenol

Lab References:

EnvTest = EnviroTest

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Pace Analytical Melville

Job Number: 420-155415-1

SDG Number: 7093441

Method	Analyst	Analyst ID
EPA EPA 420.4 Rev.1	Mastrobuono, Danielle	DM

SAMPLE SUMMARY

Client: Pace Analytical Mellville

Job Number: 420-155415-1

SDG Number: 7093441

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-155415-1	MW-5S	Water	06/12/2019 0830	06/18/2019 1010
420-155415-2	MW-5D	Water	06/12/2019 0846	06/18/2019 1010
420-155415-3	MW-6S	Water	06/12/2019 1046	06/18/2019 1010
420-155415-4	MW-6D	Water	06/12/2019 1059	06/18/2019 1010
420-155415-5	MW-8S	Water	06/12/2019 1007	06/18/2019 1010
420-155415-6	MW-8D	Water	06/12/2019 0953	06/18/2019 1010
420-155415-7	MW-9S	Water	06/12/2019 1032	06/18/2019 1010
420-155415-8	MW-9D	Water	06/12/2019 1022	06/18/2019 1010
420-155415-9	MW-X (DUPE)	Water	06/12/2019 0830	06/18/2019 1010

SAMPLE RESULTS

Analytical Data

Client: Pace Analytical Mellville

Job Number: 420-155415-1

Sdg Number: 7093441

General Chemistry**Client Sample ID: MW-5S**

Lab Sample ID: 420-155415-1

Client Matrix: Water

Date Sampled: 06/12/2019 0830

Date Received: 06/18/2019 1010

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Any Batch:		Date Analyzed	06/24/2019	1520			
Prep Batch:		Date Prepared:	06/21/2019	1340			

Client Sample ID: MW-5D

Lab Sample ID: 420-155415-2

Client Matrix: Water

Date Sampled: 06/12/2019 0846

Date Received: 06/18/2019 1010

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Any Batch:		Date Analyzed	06/24/2019	1536			
Prep Batch:		Date Prepared:	06/21/2019	1340			

Client Sample ID: MW-6S

Lab Sample ID: 420-155415-3

Client Matrix: Water

Date Sampled: 06/12/2019 1046

Date Received: 06/18/2019 1010

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Any Batch:		Date Analyzed	06/24/2019	1520			
Prep Batch:		Date Prepared:	06/21/2019	1340			

Client Sample ID: MW-6D

Lab Sample ID: 420-155415-4

Client Matrix: Water

Date Sampled: 06/12/2019 1059

Date Received: 06/18/2019 1010

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Any Batch:		Date Analyzed	06/24/2019	1521			
Prep Batch:		Date Prepared:	06/21/2019	1340			

Client Sample ID: MW-8S

Lab Sample ID: 420-155415-5

Client Matrix: Water

Date Sampled: 06/12/2019 1007

Date Received: 06/18/2019 1010

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Any Batch:		Date Analyzed	06/24/2019	1529			
Prep Batch:		Date Prepared:	06/21/2019	1340			

Analytical Data

Client: Pace Analytical Mellville

Job Number: 420-155415-1

Sdg Number: 7093441

General Chemistry**Client Sample ID: MW-8D**

Lab Sample ID: 420-155415-6

Client Matrix: Water

Date Sampled: 06/12/2019 0953

Date Received: 06/18/2019 1010

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Any Batch:		Date Analyzed	06/24/2019 1537				
Prep Batch:		Date Prepared:	06/21/2019 1340				

Client Sample ID: MW-9S

Lab Sample ID: 420-155415-7

Client Matrix: Water

Date Sampled: 06/12/2019 1032

Date Received: 06/18/2019 1010

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Any Batch:		Date Analyzed	06/24/2019 1538				
Prep Batch:		Date Prepared:	06/21/2019 1340				

Client Sample ID: MW-9D

Lab Sample ID: 420-155415-8

Client Matrix: Water

Date Sampled: 06/12/2019 1022

Date Received: 06/18/2019 1010

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Any Batch:		Date Analyzed	06/24/2019 1539				
Prep Batch:		Date Prepared:	06/21/2019 1340				

Client Sample ID: MW-X (DUPE)

Lab Sample ID: 420-155415-9

Client Matrix: Water

Date Sampled: 06/12/2019 0830

Date Received: 06/18/2019 1010

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Any Batch:		Date Analyzed	06/24/2019 1539				
Prep Batch:		Date Prepared:	06/21/2019 1340				

DATA REPORTING QUALIFIERS

Client: Pace Analytical Melville

Job Number:
Sdg Number: 7093441

Lab Section	Qualifier	Description
General Chemistry	U	Indicates analyzed for but not detected.

Certification Information

Client: Pace Analytical Mellville

Job Number:

Sdg Number: 7093441

The following analytes are Not Part of the ELAP scope of accreditation:

Sulfur, Tungsten, Bicarbonate Alkalinity, 7 Day BOD 5210C, 28 Day BOD, Soluble BOD, Carbon Dioxide, Carbonate Alkalinity, CBOD Soluble, Chlorine, Cyanide (WAD), Ferrous Iron, Ferric Iron, Total Nitrogen, Total Organic Nitrogen, Dissolved Oxygen, pH, Solids (Fixed), Solids (Percent), Solids (Percent Moisture), Solids (Percent Volatile), Solids (Volatile Suspended), Temperature, TKN (Soluble), COD (Soluble), Total Inorganic Carbon, 2-Aminopyridine, 3-Picoline, 1-Methyl-2-pyrrilidinone, Aziridine, Dimethyl sulfoxide, 1-Chlorohexane, 1,2,4,5-Tetramethylbenzene, 4-Ethyl toluene, p-Diethylbenzene, Iron Bacteria, Salmonella, Sulfur Reducing Bacteria, & UOD (Ultimate Oxygen Demand).

The following analytes are Not Part of ELAP Potable Water scope of accreditation:

Ammonia (SM 4500NH3G), TKN (351.2), Phosphorus (365.3), Nitrate-Nitrite (10-107-4-1C, 353.2), m-Xylene & p-Xylene (502.2, 524), o-Xylene (502.2, 524), Sulfide (SM4500SD), Acenaphthene (525.2), Acenaphthylene (525.2), Fluoranthene (525.2), Fluorene (525.2), Phenanthrene (525.2), Anthracene (525.2), Pyrene (525.2), Benzo[a]anthracene (525.2), Benzo[b]fluoranthene (525.2), Benzo[g,h,i]perylene (525.2), Benzo[k]fluoranthene (525.2), Indeno[1,2,3-cd]pyrene (525.2), & Dibenz(a,h)anthracene (525.2).

The following analytes are Not Part of ELAP Solid and Hazardous Waste scope of accreditation:

Ammonia (SM 4500NH3G), TKN (351.2), Phosphorus (365.3), 1,2-Dichloro-1,1,2-trifluoroethane (8260), & Chlorodifluoromethane (8260).

The following analytes are Not Part of ELAP Non Potable Water scope of accreditation:

Dissolved Organic Carbon (5310C), Mecoprop (8151A), MCPA (8151A), Propylene Glycol (8015D).

Definitions and Glossary

Client: Pace Analytical Melville

Job Number:

Sdg Number: 7093441

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points.

QUALITY CONTROL RESULTS

Quality Control Results

Client: Pace Analytical Melville

Job Number: 420-155415-1

Sdg Number: 7093441

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
General Chemistry					
Prep Batch: 420-132785					
LCS 420-132785/28-A	Lab Control Spike	T	Water	Distill/Phenol	
LCS 420-132785/3-A	Lab Control Spike	T	Water	Distill/Phenol	
MB 420-132785/2-A	Method Blank	T	Water	Distill/Phenol	
MB 420-132785/27-A	Method Blank	T	Water	Distill/Phenol	
420-155414-A-8-E MS	Matrix Spike	T	Water	Distill/Phenol	
420-155414-A-8-F MSD	Matrix Spike Duplicate	T	Water	Distill/Phenol	
420-155415-1	MW-5S	T	Water	Distill/Phenol	
420-155415-2	MW-5D	T	Water	Distill/Phenol	
420-155415-2MSD	Matrix Spike Duplicate	T	Water	Distill/Phenol	
420-155415-3	MW-6S	T	Water	Distill/Phenol	
420-155415-4	MW-6D	T	Water	Distill/Phenol	
420-155415-5	MW-8S	T	Water	Distill/Phenol	
420-155415-6	MW-8D	T	Water	Distill/Phenol	
420-155415-7	MW-9S	T	Water	Distill/Phenol	
420-155415-8	MW-9D	T	Water	Distill/Phenol	
420-155415-9	MW-X (DUPE)	T	Water	Distill/Phenol	
Analysis Batch:420-132839					
LCS 420-132785/28-A	Lab Control Spike	T	Water	EPA 420.4 Rev.1	420-132785
LCS 420-132785/3-A	Lab Control Spike	T	Water	EPA 420.4 Rev.1	420-132785
MB 420-132785/2-A	Method Blank	T	Water	EPA 420.4 Rev.1	420-132785
MB 420-132785/27-A	Method Blank	T	Water	EPA 420.4 Rev.1	420-132785
420-155414-A-8-E MS	Matrix Spike	T	Water	EPA 420.4 Rev.1	420-132785
420-155414-A-8-F MSD	Matrix Spike Duplicate	T	Water	EPA 420.4 Rev.1	420-132785
420-155415-1	MW-5S	T	Water	EPA 420.4 Rev.1	420-132785
420-155415-2	MW-5D	T	Water	EPA 420.4 Rev.1	420-132785
420-155415-2MSD	Matrix Spike Duplicate	T	Water	EPA 420.4 Rev.1	420-132785
420-155415-3	MW-6S	T	Water	EPA 420.4 Rev.1	420-132785
420-155415-4	MW-6D	T	Water	EPA 420.4 Rev.1	420-132785
420-155415-5	MW-8S	T	Water	EPA 420.4 Rev.1	420-132785
420-155415-6	MW-8D	T	Water	EPA 420.4 Rev.1	420-132785
420-155415-7	MW-9S	T	Water	EPA 420.4 Rev.1	420-132785
420-155415-8	MW-9D	T	Water	EPA 420.4 Rev.1	420-132785
420-155415-9	MW-X (DUPE)	T	Water	EPA 420.4 Rev.1	420-132785

Report Basis

T = Total

EnviroTest Laboratories, Inc.

Surrogate Recovery Report

<u>Lab Sample ID</u>	<u>Client Sample ID</u>
----------------------	-------------------------

<u>Surrogate</u>	<u>Acceptance Limits</u>
------------------	--------------------------

Quality Control Results

Client: Pace Analytical Mellville

Job Number: 420-155415-1

Sdg Number: 7093441

Method Blank - Batch: 420-132785

Method: EPA 420.4 Rev.1

Preparation: Distill/Phenol

Lab Sample ID: MB 420-132785/2-A

Analysis Batch: 420-132839

Instrument ID: Lachat Quikchem 8500 FIA

Client Matrix: Water

Prep Batch: 420-132785

Lab File ID: OM_6-24-2019_03-01-32PM.C

Dilution: 1.0

Units: mg/L

Initial Weight/Volume: mL

Date Analyzed: 06/24/2019 1503

Final Weight/Volume: mL

Date Prepared: 06/21/2019 1340

Analyte	Result	Qual	RL	RL
Phenolics, Total Recoverable	0.010	U	0.010	0.010

Method Blank - Batch: 420-132785

Method: EPA 420.4 Rev.1

Preparation: Distill/Phenol

Lab Sample ID: MB 420-132785/27-A

Analysis Batch: 420-132839

Instrument ID: Lachat Quikchem 8500 FIA

Client Matrix: Water

Prep Batch: 420-132785

Lab File ID: OM_6-24-2019_03-01-32PM.C

Dilution: 1.0

Units: mg/L

Initial Weight/Volume: mL

Date Analyzed: 06/24/2019 1535

Final Weight/Volume: mL

Date Prepared: 06/21/2019 1340

Analyte	Result	Qual	RL	RL
Phenolics, Total Recoverable	0.010	U	0.010	0.010

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Pace Analytical Mellville

Job Number: 420-155415-1

Sdg Number: 7093441

Lab Control Spike - Batch: 420-132785

Method: EPA 420.4 Rev.1

Preparation: Distill/Phenol

Lab Sample ID: LCS 420-132785/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2019 1506
Date Prepared: 06/21/2019 1340

Analysis Batch: 420-132839
Prep Batch: 420-132785
Units: mg/L

Instrument ID: Lachat Quikchem 8500 FIA
Lab File ID: OM_6-24-2019_03-01-32PM.C
Initial Weight/Volume: mL
Final Weight/Volume: mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	0.0500	0.050	100	57 - 123	

Lab Control Spike - Batch: 420-132785

Method: EPA 420.4 Rev.1

Preparation: Distill/Phenol

Lab Sample ID: LCS 420-132785/28-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2019 1534
Date Prepared: 06/21/2019 1340

Analysis Batch: 420-132839
Prep Batch: 420-132785
Units: mg/L

Instrument ID: Lachat Quikchem 8500 FIA
Lab File ID: OM_6-24-2019_03-01-32PM.C
Initial Weight/Volume: mL
Final Weight/Volume: mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	0.0500	0.050	100	57 - 123	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 420-132785

Method: EPA 420.4 Rev.1

Preparation: Distill/Phenol

MS Lab Sample ID: 420-155414-A-8-E MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2019 1530
Date Prepared: 06/21/2019 1340

Analysis Batch: 420-132839
Prep Batch: 420-132785

Instrument ID: Lachat Quikchem 8500 FIA
Lab File ID: OM_6-24-2019_03-01-32PM.C
Initial Weight/Volume: mL
Final Weight/Volume: mL

MSD Lab Sample ID: 420-155414-A-8-F MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2019 1516
Date Prepared: 06/21/2019 1340

Analysis Batch: 420-132839
Prep Batch: 420-132785

Instrument ID: Lachat Quikchem 8500 FIA
Lab File ID: OM_6-24-2019_03-01-32PM.C
Initial Weight/Volume: mL
Final Weight/Volume: mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Phenolics, Total Recoverable	116	112	55 - 136	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Chain of Custody

155415



Workorder: 7093441

Workorder Name:

TOWN OF VAN BUREN LANDFILL 6/1

Results Requested By: 6/27/2019

Report/Invoice To:
Jennifer Aracri
Pace Analytical Melville
575 Broad Hollow Road
Melville, NY 11747
Phone (631)694-3040
Email: jennifer.aracri@pacelabs.com

EnviroTest Laboratories, Inc. P.O. 7093441/JSA
315 Fullerton Avenue
Newburgh, NY 12550

State of Sample Origin: NY

Report/Invoice To			Subcontract To			Requested Analysis									
Item	Sample ID	Collect Date/Time	Lab ID	Matrix	H2SO4	Preserved Containers									
1	MW-5S	6/12/2019 08:30	7093441001	Water											
2	MW-5D	6/12/2019 08:46	7093441002	Water											
3	MW-6S	6/12/2019 10:46	7093441003	Water											
4	MW-6D	6/12/2019 10:59	7093441004	Water											
5	MW-8S	6/12/2019 10:07	7093441005	Water											
6	MW-8D	6/12/2019 09:53	7093441006	Water											
7	MW-9S	6/12/2019 10:32	7093441007	Water											
8	MW-9D	6/12/2019 10:22	7093441008	Water											
9	MW-X (DUPE)	6/12/2019 08:30	7093441009	Water											
10															
11															
12															
13															

20.1 Phenolics, Total Recoverable

MS/MSD Sample

LAB USE ONLY



420-155415-B-9

MW-X (DUPE)

Date Sampled: 6/12/2019

420-1351241

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	<i>[Signature]</i>	6/17/19 1:30	<i>[Signature]</i>	06/18/19 @ 10:10	
2					
3					

Cooler Temperature on Receipt	4.6 °C	Custody Seal	Y or N	Received on Ice	Y or N	Samples Intact	Y or N

PETEX 1068 0079 4613

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Pace Analytical Mellville

Job Number: 420-155415-1

SDG Number: 7093441

Login Number: 155415

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	4.6 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

June 28, 2019

Pete Fricano
Enalytic, LLC
6034 Corporate Drive
East Syracuse, NY 13057

RE: Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

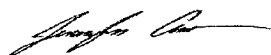
Dear Pete Fricano:

Enclosed are the analytical results for sample(s) received by the laboratory on June 12, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

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

Sincerely,



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

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 7093260

Sample: RW-A (MILLER)		Lab ID: 7093260001		Collected: 06/11/19 10:10		Received: 06/12/19 10:40		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:							
Field pH	6.95	Std. Units			1		06/11/19 10:10		
Field Temperature	19.2	deg C			1		06/11/19 10:10		
Field Specific Conductance	87.4	umhos/cm			1		06/11/19 10:10		
Eh	-65	mV			1		06/11/19 10:10		
Field Turbidity	0.30	NTU			1		06/11/19 10:10		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Cadmium	<2.5	ug/L	2.5	1	06/18/19 09:13	06/26/19 03:37	7440-43-9		
Calcium	<200	ug/L	200	1	06/18/19 09:13	06/26/19 03:37	7440-70-2		
Iron	21.7	ug/L	20.0	1	06/18/19 09:13	06/26/19 03:37	7439-89-6		
Lead	<5.0	ug/L	5.0	1	06/18/19 09:13	06/26/19 03:37	7439-92-1		
Magnesium	<200	ug/L	200	1	06/18/19 09:13	06/26/19 03:37	7439-95-4		
Manganese	<10.0	ug/L	10.0	1	06/18/19 09:13	06/26/19 03:37	7439-96-5		
Potassium	<5000	ug/L	5000	1	06/18/19 09:13	06/26/19 03:37	7440-09-7		
Sodium	17500	ug/L	5000	1	06/18/19 09:13	06/26/19 03:37	7440-23-5		
624.1 Volatile Organics		Analytical Method: EPA 624.1							
Benzene	<1.0	ug/L	1.0	1		06/17/19 12:56	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		06/17/19 12:56	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		06/17/19 12:56	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		06/17/19 12:56	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/17/19 12:56	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		06/17/19 12:56	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		06/17/19 12:56	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		06/17/19 12:56	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		06/17/19 12:56	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		06/17/19 12:56	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/17/19 12:56	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/17/19 12:56	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/17/19 12:56	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/17/19 12:56	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/17/19 12:56	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/17/19 12:56	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/17/19 12:56	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/17/19 12:56	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/17/19 12:56	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/17/19 12:56	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/17/19 12:56	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/17/19 12:56	10061-02-6		
Ethylbenzene	<1.0	ug/L	1.0	1		06/17/19 12:56	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		06/17/19 12:56	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/17/19 12:56	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		06/17/19 12:56	127-18-4		
Toluene	<1.0	ug/L	1.0	1		06/17/19 12:56	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/17/19 12:56	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/17/19 12:56	79-00-5		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

Sample: RW-A (MILLER)		Lab ID: 7093260001	Collected: 06/11/19 10:10	Received: 06/12/19 10:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1						
Trichloroethene	<1.0	ug/L	1.0	1		06/17/19 12:56	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/17/19 12:56	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/17/19 12:56	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/17/19 12:56	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	96	%	79-124	1		06/17/19 12:56	460-00-4	
Toluene-d8 (S)	102	%	69-127	1		06/17/19 12:56	2037-26-5	
1,2-Dichloroethane-d4 (S)	101	%	68-153	1		06/17/19 12:56	17060-07-0	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	<1.0	NTU	1.0	1		06/13/19 07:41		
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO ₃	9.6	mg/L	1.0	1		06/24/19 13:29		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO ₃ (SM 2340B)	<5.0	mg/L	5.0	1		06/26/19 13:34		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	60.0	mg/L	10.0	1		06/18/19 09:51		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	06/19/19 09:15	06/19/19 11:44		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	3.2	mg/L	2.0	1		06/28/19 11:48	16887-00-6	
Sulfate	27.0	mg/L	5.0	1		06/28/19 11:48	14808-79-8	
353.2 Nitrogen, NO₂/NO₃ unpres		Analytical Method: EPA 353.2						
Nitrate as N	<0.050	mg/L	0.050	1		06/13/19 01:28	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/13/19 01:28	7727-37-9	
353.2 Nitrogen, NO₂		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/12/19 19:48	14797-65-0	
4500 Ammonia Water		Analytical Method: SM22 4500 NH ₃ H						
Nitrogen, Ammonia	0.15	mg/L	0.10	1		06/25/19 15:11	7664-41-7	
5310B TOC as NPOC		Analytical Method: SM22 5310B						
Total Organic Carbon	<1.0	mg/L	1.0	1		06/18/19 12:10	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 7093260

Sample: RW-A INFLUENT		Lab ID: 7093260002	Collected: 06/11/19 10:20	Received: 06/12/19 10:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1						
Benzene	<1.0	ug/L	1.0	1		06/17/19 13:14	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/17/19 13:14	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/17/19 13:14	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/17/19 13:14	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/17/19 13:14	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/17/19 13:14	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/17/19 13:14	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/17/19 13:14	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/17/19 13:14	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/17/19 13:14	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/17/19 13:14	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/17/19 13:14	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/17/19 13:14	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/17/19 13:14	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/17/19 13:14	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/17/19 13:14	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/17/19 13:14	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/17/19 13:14	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/17/19 13:14	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/17/19 13:14	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/17/19 13:14	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/17/19 13:14	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/17/19 13:14	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/17/19 13:14	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/17/19 13:14	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/17/19 13:14	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/17/19 13:14	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/17/19 13:14	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/17/19 13:14	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/17/19 13:14	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/17/19 13:14	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/17/19 13:14	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/17/19 13:14	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	93	%	79-124	1		06/17/19 13:14	460-00-4	
Toluene-d8 (S)	100	%	69-127	1		06/17/19 13:14	2037-26-5	
1,2-Dichloroethane-d4 (S)	104	%	68-153	1		06/17/19 13:14	17060-07-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

Sample: RW-B (NOLAN)		Lab ID: 7093260003	Collected: 06/11/19 15:22	Received: 06/12/19 10:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	6.68	Std. Units		1		06/11/19 15:22		
Field Temperature	25.7	deg C		1		06/11/19 15:22		
Field Specific Conductance	121	umhos/cm		1		06/11/19 15:22		
Eh	70.5	mV		1		06/11/19 15:22		
Field Turbidity	3.20	NTU		1		06/11/19 15:22		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Cadmium	<2.5	ug/L	2.5	1	06/18/19 09:13	06/26/19 04:04	7440-43-9	
Calcium	<200	ug/L	200	1	06/18/19 09:13	06/26/19 04:04	7440-70-2	
Iron	<20.0	ug/L	20.0	1	06/18/19 09:13	06/26/19 04:04	7439-89-6	
Lead	<5.0	ug/L	5.0	1	06/18/19 09:13	06/26/19 04:04	7439-92-1	
Magnesium	<200	ug/L	200	1	06/18/19 09:13	06/26/19 04:04	7439-95-4	
Manganese	<10.0	ug/L	10.0	1	06/18/19 09:13	06/26/19 04:04	7439-96-5	
Potassium	<5000	ug/L	5000	1	06/18/19 09:13	06/26/19 04:04	7440-09-7	
Sodium	7350	ug/L	5000	1	06/18/19 09:13	06/26/19 04:04	7440-23-5	
624.1 Volatile Organics		Analytical Method: EPA 624.1						
Benzene	<1.0	ug/L	1.0	1		06/17/19 12:39	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/17/19 12:39	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/17/19 12:39	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/17/19 12:39	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/17/19 12:39	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/17/19 12:39	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/17/19 12:39	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/17/19 12:39	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/17/19 12:39	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/17/19 12:39	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/17/19 12:39	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/17/19 12:39	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/17/19 12:39	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/17/19 12:39	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/17/19 12:39	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/17/19 12:39	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/17/19 12:39	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/17/19 12:39	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/17/19 12:39	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/17/19 12:39	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/17/19 12:39	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/17/19 12:39	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/17/19 12:39	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/17/19 12:39	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/17/19 12:39	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/17/19 12:39	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/17/19 12:39	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/17/19 12:39	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/17/19 12:39	79-00-5	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

Sample: RW-B (NOLAN)		Lab ID: 7093260003	Collected: 06/11/19 15:22	Received: 06/12/19 10:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1						
Trichloroethene	<1.0	ug/L	1.0	1		06/17/19 12:39	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/17/19 12:39	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/17/19 12:39	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/17/19 12:39	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	94	%	79-124	1		06/17/19 12:39	460-00-4	
Toluene-d8 (S)	98	%	69-127	1		06/17/19 12:39	2037-26-5	
1,2-Dichloroethane-d4 (S)	104	%	68-153	1		06/17/19 12:39	17060-07-0	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	<1.0	NTU	1.0	1		06/13/19 07:41		
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	5.3	mg/L	1.0	1		06/24/19 13:46		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO3 (SM 2340B)	<5.0	mg/L	5.0	1		06/26/19 13:34		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	33.0	mg/L	10.0	1		06/18/19 09:52		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	06/19/19 09:15	06/19/19 11:44		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	2.6	mg/L	2.0	1		06/28/19 12:05	16887-00-6	
Sulfate	6.9	mg/L	5.0	1		06/28/19 12:05	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	<0.050	mg/L	0.050	1		06/13/19 01:34	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/13/19 01:34	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/12/19 19:54	14797-65-0	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	0.11	mg/L	0.10	1		06/25/19 15:12	7664-41-7	
5310B TOC as NPOC		Analytical Method: SM22 5310B						
Total Organic Carbon	<1.0	mg/L	1.0	1		06/18/19 12:22	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

Sample: RW-C (DAVIS)		Lab ID: 7093260004	Collected: 06/11/19 13:31		Received: 06/12/19 10:40		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	6.40	Std. Units		1		06/11/19 00:00		
Field Temperature	15.8	deg C		1		06/11/19 00:00		
Field Specific Conductance	105	umhos/cm		1		06/11/19 00:00		
Eh	-48	mV		1		06/11/19 00:00		
Field Turbidity	0.38	NTU		1		06/11/19 00:00		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Cadmium	<2.5	ug/L	2.5	1	06/18/19 09:13	06/26/19 04:09	7440-43-9	
Calcium	<200	ug/L	200	1	06/18/19 09:13	06/26/19 04:09	7440-70-2	
Iron	<20.0	ug/L	20.0	1	06/18/19 09:13	06/26/19 04:09	7439-89-6	
Lead	<5.0	ug/L	5.0	1	06/18/19 09:13	06/26/19 04:09	7439-92-1	
Magnesium	<200	ug/L	200	1	06/18/19 09:13	06/26/19 04:09	7439-95-4	
Manganese	<10.0	ug/L	10.0	1	06/18/19 09:13	06/26/19 04:09	7439-96-5	
Potassium	<5000	ug/L	5000	1	06/18/19 09:13	06/26/19 04:09	7440-09-7	
Sodium	21100	ug/L	5000	1	06/18/19 09:13	06/26/19 04:09	7440-23-5	
624.1 Volatile Organics		Analytical Method: EPA 624.1						
Benzene	<1.0	ug/L	1.0	1		06/17/19 12:21	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/17/19 12:21	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/17/19 12:21	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/17/19 12:21	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/17/19 12:21	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/17/19 12:21	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/17/19 12:21	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/17/19 12:21	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/17/19 12:21	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/17/19 12:21	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/17/19 12:21	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/17/19 12:21	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/17/19 12:21	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/17/19 12:21	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/17/19 12:21	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/17/19 12:21	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/17/19 12:21	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/17/19 12:21	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/17/19 12:21	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/17/19 12:21	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/17/19 12:21	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/17/19 12:21	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/17/19 12:21	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/17/19 12:21	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/17/19 12:21	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/17/19 12:21	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/17/19 12:21	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/17/19 12:21	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/17/19 12:21	79-00-5	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

Sample: RW-C (DAVIS)		Lab ID: 7093260004	Collected: 06/11/19 13:31	Received: 06/12/19 10:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1						
Trichloroethene	<1.0	ug/L	1.0	1		06/17/19 12:21	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/17/19 12:21	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/17/19 12:21	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/17/19 12:21	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	95	%	79-124	1		06/17/19 12:21	460-00-4	
Toluene-d8 (S)	102	%	69-127	1		06/17/19 12:21	2037-26-5	
1,2-Dichloroethane-d4 (S)	105	%	68-153	1		06/17/19 12:21	17060-07-0	
180.1 Turbidity		Analytical Method: EPA 180.1						
Turbidity	<1.0	NTU	1.0	1		06/13/19 07:41		
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	6.8	mg/L	1.0	1		06/24/19 13:51		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO3 (SM 2340B)	<5.0	mg/L	5.0	1		06/26/19 13:34		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	57.0	mg/L	10.0	1		06/18/19 10:03		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	06/19/19 09:15	06/19/19 11:44		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	9.9	mg/L	2.0	1		06/28/19 12:21	16887-00-6	
Sulfate	32.5	mg/L	5.0	1		06/28/19 12:21	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	<0.050	mg/L	0.050	1		06/13/19 01:36	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/13/19 01:36	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/12/19 19:55	14797-65-0	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		06/25/19 15:13	7664-41-7	
5310B TOC as NPOC		Analytical Method: SM22 5310B						
Total Organic Carbon	<1.0	mg/L	1.0	1		06/18/19 12:33	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 7093260

Sample: TRIP BLANK		Lab ID: 7093260005	Collected: 06/11/19 00:00	Received: 06/12/19 10:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1						
Benzene	<1.0	ug/L	1.0	1		06/17/19 12:03	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/17/19 12:03	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/17/19 12:03	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/17/19 12:03	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/17/19 12:03	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/17/19 12:03	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/17/19 12:03	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/17/19 12:03	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/17/19 12:03	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/17/19 12:03	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		06/17/19 12:03	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		06/17/19 12:03	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		06/17/19 12:03	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		06/17/19 12:03	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/17/19 12:03	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/17/19 12:03	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/17/19 12:03	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/17/19 12:03	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		06/17/19 12:03	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/17/19 12:03	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/17/19 12:03	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/17/19 12:03	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		06/17/19 12:03	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/17/19 12:03	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/17/19 12:03	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/17/19 12:03	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/17/19 12:03	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/17/19 12:03	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/17/19 12:03	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		06/17/19 12:03	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		06/17/19 12:03	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		06/17/19 12:03	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		06/17/19 12:03	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	95	%	79-124	1		06/17/19 12:03	460-00-4	
Toluene-d8 (S)	99	%	69-127	1		06/17/19 12:03	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%	68-153	1		06/17/19 12:03	17060-07-0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

QC Batch: 118276 Analysis Method: EPA 6010C
QC Batch Method: EPA 3005A Analysis Description: 6010 MET Water
Associated Lab Samples: 7093260001, 7093260003, 7093260004

METHOD BLANK: 561204 Matrix: Water
Associated Lab Samples: 7093260001, 7093260003, 7093260004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	ug/L	<2.5	2.5	06/26/19 03:25	
Calcium	ug/L	<200	200	06/26/19 03:25	
Iron	ug/L	<20.0	20.0	06/26/19 03:25	
Lead	ug/L	<5.0	5.0	06/26/19 03:25	
Magnesium	ug/L	<200	200	06/26/19 03:25	
Manganese	ug/L	<10.0	10.0	06/26/19 03:25	
Potassium	ug/L	<5000	5000	06/26/19 03:25	
Sodium	ug/L	<5000	5000	06/26/19 03:25	

LABORATORY CONTROL SAMPLE: 561205

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	50	49.8	100	80-120	
Calcium	ug/L	25000	24800	99	80-120	
Iron	ug/L	2000	1990	100	80-120	
Lead	ug/L	500	500	100	80-120	
Magnesium	ug/L	25000	24500	98	80-120	
Manganese	ug/L	250	242	97	80-120	
Potassium	ug/L	50000	52500	105	80-120	
Sodium	ug/L	50000	51000	102	80-120	

MATRIX SPIKE SAMPLE: 561207

Parameter	Units	7093260001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	<2.5	50	50.4	100	75-125	
Calcium	ug/L	<200	25000	24500	97	75-125	
Iron	ug/L	21.7	2000	1940	96	75-125	
Lead	ug/L	<5.0	500	480	96	75-125	
Magnesium	ug/L	<200	25000	23800	95	75-125	
Manganese	ug/L	<10.0	250	247	99	75-125	
Potassium	ug/L	<5000	50000	48200	96	75-125	
Sodium	ug/L	17500	50000	65300	96	75-125	

SAMPLE DUPLICATE: 561206

Parameter	Units	7093260001 Result	Dup Result	RPD	Qualifiers
Cadmium	ug/L	<2.5	<2.5		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

SAMPLE DUPLICATE: 561206

Parameter	Units	7093260001 Result	Dup Result	RPD	Qualifiers
Calcium	ug/L	<200	<200		
Iron	ug/L	21.7	<20.0		
Lead	ug/L	<5.0	<5.0		
Magnesium	ug/L	<200	<200		
Manganese	ug/L	<10.0	<10.0		
Potassium	ug/L	<5000	<5000		
Sodium	ug/L	17500	17200	2	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

QC Batch: 118011 Analysis Method: EPA 624.1
QC Batch Method: EPA 624.1 Analysis Description: 624.1 MSV
Associated Lab Samples: 7093260001, 7093260002, 7093260003, 7093260004, 7093260005

METHOD BLANK: 559724 Matrix: Water
Associated Lab Samples: 7093260001, 7093260002, 7093260003, 7093260004, 7093260005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	06/17/19 09:00	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	06/17/19 09:00	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	06/17/19 09:00	
1,1-Dichloroethane	ug/L	<1.0	1.0	06/17/19 09:00	
1,1-Dichloroethene	ug/L	<1.0	1.0	06/17/19 09:00	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	06/17/19 09:00	
1,2-Dichloroethane	ug/L	<1.0	1.0	06/17/19 09:00	
1,2-Dichloropropane	ug/L	<1.0	1.0	06/17/19 09:00	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	06/17/19 09:00	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	06/17/19 09:00	
Benzene	ug/L	<1.0	1.0	06/17/19 09:00	
Bromodichloromethane	ug/L	<1.0	1.0	06/17/19 09:00	
Bromoform	ug/L	<1.0	1.0	06/17/19 09:00	
Bromomethane	ug/L	<1.0	1.0	06/17/19 09:00	
Carbon tetrachloride	ug/L	<1.0	1.0	06/17/19 09:00	
Chlorobenzene	ug/L	<1.0	1.0	06/17/19 09:00	
Chloroethane	ug/L	<1.0	1.0	06/17/19 09:00	
Chloroform	ug/L	<1.0	1.0	06/17/19 09:00	
Chloromethane	ug/L	<1.0	1.0	06/17/19 09:00	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	06/17/19 09:00	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	06/17/19 09:00	
Dibromochloromethane	ug/L	<1.0	1.0	06/17/19 09:00	
Dichlorodifluoromethane	ug/L	<1.0	1.0	06/17/19 09:00	
Ethylbenzene	ug/L	<1.0	1.0	06/17/19 09:00	
Methylene Chloride	ug/L	<1.0	1.0	06/17/19 09:00	
Tetrachloroethene	ug/L	<1.0	1.0	06/17/19 09:00	
Toluene	ug/L	<1.0	1.0	06/17/19 09:00	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	06/17/19 09:00	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	06/17/19 09:00	
Trichloroethene	ug/L	<1.0	1.0	06/17/19 09:00	
Trichlorofluoromethane	ug/L	<1.0	1.0	06/17/19 09:00	
Vinyl chloride	ug/L	<1.0	1.0	06/17/19 09:00	
Xylene (Total)	ug/L	<1.0	1.0	06/17/19 09:00	
1,2-Dichloroethane-d4 (S)	%	100	68-153	06/17/19 09:00	
4-Bromofluorobenzene (S)	%	95	79-124	06/17/19 09:00	
Toluene-d8 (S)	%	102	69-127	06/17/19 09:00	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

LABORATORY CONTROL SAMPLE: 559725

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	17.9	90	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.8	114	60-140	
1,1,2-Trichloroethane	ug/L	20	20.2	101	70-130	
1,1-Dichloroethane	ug/L	20	19.2	96	70-130	
1,1-Dichloroethene	ug/L	20	14.6	73	70-130	
1,2-Dichlorobenzene	ug/L	20	18.6	93	65-135	
1,2-Dichloroethane	ug/L	20	19.7	98	70-130	
1,2-Dichloropropane	ug/L	20	19.7	98	35-165	
1,3-Dichlorobenzene	ug/L	20	18.6	93	70-130	
1,4-Dichlorobenzene	ug/L	20	18.5	93	65-135	
Benzene	ug/L	20	20.1	100	65-135	
Bromodichloromethane	ug/L	20	19.9	99	65-135	
Bromoform	ug/L	20	18.2	91	70-130	
Bromomethane	ug/L	20	16.6	83	15-185	
Carbon tetrachloride	ug/L	20	19.0	95	70-130	
Chlorobenzene	ug/L	20	18.5	92	65-135	
Chloroethane	ug/L	20	18.4	92	40-160	
Chloroform	ug/L	20	18.9	95	70-135	
Chloromethane	ug/L	20	19.4	97	10-205	
cis-1,2-Dichloroethene	ug/L	20	18.3	92	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.0	95	25-175	
Dibromochloromethane	ug/L	20	20.4	102	70-135	
Dichlorodifluoromethane	ug/L	20	16.4	82	70-130	
Ethylbenzene	ug/L	20	17.1	85	60-140	
Methylene Chloride	ug/L	20	17.8	89	60-140	
Tetrachloroethene	ug/L	20	15.1	75	65-135	
Toluene	ug/L	20	18.4	92	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.7	89	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.8	94	50-150	
Trichloroethene	ug/L	20	18.5	93	65-135	
Trichlorofluoromethane	ug/L	20	17.3	87	50-150	
Vinyl chloride	ug/L	20	19.4	97	5-195	
Xylene (Total)	ug/L	60	50.3	84	70-130	
1,2-Dichloroethane-d4 (S)	%			107	68-153	
4-Bromofluorobenzene (S)	%			97	79-124	
Toluene-d8 (S)	%			98	69-127	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 560597 560598

Parameter	Units	7093773001		MS		MSD		MS		MSD		% Rec		RPD	Qual
		Result	Conc.	Spike Conc.	Result	Spike Conc.	Result	Result	% Rec	Result	% Rec	% Rec	Limits		
1,1,1-Trichloroethane	ug/L	<1.0	20	20	19.1	20	18.8	96	94	70-130	2				
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	20	20.8	20	19.9	104	99	40-160	5				
1,1,2-Trichloroethane	ug/L	<1.0	20	20	18.7	20	18.3	94	91	70-130	2				
1,1-Dichloroethane	ug/L	<1.0	20	20	19.8	20	18.9	99	95	70-130	4				

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 560597 560598											
Parameter	Units	7093773001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1-Dichloroethene	ug/L	<1.0	20	20	17.9	17.3	90	87	50-150	4	
1,2-Dichlorobenzene	ug/L	<1.0	20	20	17.0	17.5	85	87	62-135	3	
1,2-Dichloroethane	ug/L	<1.0	20	20	18.4	18.2	92	91	70-130	1	
1,2-Dichloropropane	ug/L	<1.0	20	20	18.9	19.3	95	96	35-165	2	
1,3-Dichlorobenzene	ug/L	<1.0	20	20	18.7	18.1	94	91	70-130	3	
1,4-Dichlorobenzene	ug/L	<1.0	20	20	18.5	18.0	93	90	65-135	3	
Benzene	ug/L	<1.0	20	20	20.0	19.3	100	97	37-151	3	
Bromodichloromethane	ug/L	2.3	20	20	21.2	21.7	95	97	65-135	2	
Bromoform	ug/L	4.0	20	20	17.8	18.4	69	72	70-130	3	M1
Bromomethane	ug/L	<1.0	20	20	17.4	17.2	87	86	15-185	1	
Carbon tetrachloride	ug/L	<1.0	20	20	20.5	20.0	102	100	70-130	3	
Chlorobenzene	ug/L	<1.0	20	20	18.7	18.2	93	91	65-135	3	
Chloroethane	ug/L	<1.0	20	20	19.5	18.5	98	92	40-160	5	
Chloroform	ug/L	17.8	20	20	35.6	34.7	89	84	70-135	3	
Chloromethane	ug/L	<1.0	20	20	19.6	18.7	98	93	10-205	5	
cis-1,2-Dichloroethene	ug/L	<1.0	20	20	18.2	18.2	91	91	40-160	0	
cis-1,3-Dichloropropene	ug/L	<1.0	20	20	18.1	18.1	90	90	25-175	0	
Dibromochloromethane	ug/L	1.5	20	20	21.4	21.1	99	98	70-135	1	
Dichlorodifluoromethane	ug/L	<1.0	20	20	17.2	16.1	86	80	40-160	7	
Ethylbenzene	ug/L	<1.0	20	20	17.8	17.0	89	85	40-160	5	
Methylene Chloride	ug/L	<1.0	20	20	18.5	17.8	92	89	40-160	4	
Tetrachloroethene	ug/L	<1.0	20	20	17.2	19.9	86	99	70-130	14	
Toluene	ug/L	<1.0	20	20	19.1	18.2	95	91	70-130	5	
trans-1,2-Dichloroethene	ug/L	<1.0	20	20	18.3	17.7	92	89	70-130	3	
trans-1,3-Dichloropropene	ug/L	<1.0	20	20	16.8	17.5	84	88	50-150	4	
Trichloroethene	ug/L	<1.0	20	20	19.0	18.6	95	93	65-135	2	
Trichlorofluoromethane	ug/L	<1.0	20	20	20.2	18.9	101	94	50-150	7	
Vinyl chloride	ug/L	<1.0	20	20	20.2	18.7	101	93	40-160	8	
Xylene (Total)	ug/L	<1.0	60	60	52.5	50.6	87	84	40-160	4	
1,2-Dichloroethane-d4 (S)	%						106	106	68-153		
4-Bromofluorobenzene (S)	%						97	95	79-124		
Toluene-d8 (S)	%						101	99	69-127		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

QC Batch: 117528 Analysis Method: EPA 180.1
QC Batch Method: EPA 180.1 Analysis Description: 180.1 Turbidity
Associated Lab Samples: 7093260001, 7093260003, 7093260004

METHOD BLANK: 556712 Matrix: Water

Associated Lab Samples: 7093260001, 7093260003, 7093260004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Turbidity	NTU	<1.0	1.0	06/13/19 07:41	

LABORATORY CONTROL SAMPLE: 556713

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Turbidity	NTU	10	10.1	101	90-110	

SAMPLE DUPLICATE: 556714

Parameter	Units	7093260001 Result	Dup Result	RPD	Qualifiers
Turbidity	NTU	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

QC Batch: 119110 Analysis Method: SM22 2320B
QC Batch Method: SM22 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 7093260001, 7093260003, 7093260004

METHOD BLANK: 566023 Matrix: Water
Associated Lab Samples: 7093260001, 7093260003, 7093260004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<1.0	1.0	06/24/19 11:56	

LABORATORY CONTROL SAMPLE: 566024

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	25	26.1	104	85-115	

MATRIX SPIKE SAMPLE: 566025

Parameter	Units	7093107007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	44.6	25	71.3	107	75-125	

SAMPLE DUPLICATE: 566026

Parameter	Units	7093107007 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	44.6	45.7	2	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

QC Batch: 119522 Analysis Method: SM22 2340C
QC Batch Method: SM22 2340C Analysis Description: 2340C Hardness, Total
Associated Lab Samples: 7093260001, 7093260003, 7093260004

METHOD BLANK: 567941 Matrix: Water
Associated Lab Samples: 7093260001, 7093260003, 7093260004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tot Hardness asCaCO3 (SM 2340B)	mg/L	<5.0	5.0	06/26/19 13:34	

LABORATORY CONTROL SAMPLE: 567942

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tot Hardness asCaCO3 (SM 2340B)	mg/L	100	97.0	97	90-110	

MATRIX SPIKE SAMPLE: 568093

Parameter	Units	7093314001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Tot Hardness asCaCO3 (SM 2340B)	mg/L	60.0	1000	1070	101	75-125	

SAMPLE DUPLICATE: 568094

Parameter	Units	7093314001 Result	Dup Result	RPD	Qualifiers
Tot Hardness asCaCO3 (SM 2340B)	mg/L	60.0	60.0	0	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

QC Batch: 118157 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 7093260001, 7093260003, 7093260004

METHOD BLANK: 560774 Matrix: Water
Associated Lab Samples: 7093260001, 7093260003, 7093260004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	06/18/19 09:50	

LABORATORY CONTROL SAMPLE: 560775

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	504	101	85-115	

MATRIX SPIKE SAMPLE: 560777

Parameter	Units	7093260001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	60.0	300	342	94	75-125	

MATRIX SPIKE SAMPLE: 560779

Parameter	Units	7093441002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1710	600	2420	118	75-125	

SAMPLE DUPLICATE: 560776

Parameter	Units	7093260001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	60.0	55.0	9 D6	

SAMPLE DUPLICATE: 560778

Parameter	Units	7093441002 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	1710	1770	3	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

QC Batch: 118376 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 7093260001, 7093260003, 7093260004

METHOD BLANK: 562201 Matrix: Water

Associated Lab Samples: 7093260001, 7093260003, 7093260004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	10.0	06/19/19 11:37	

LABORATORY CONTROL SAMPLE: 562202

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	531	106	90-110	

MATRIX SPIKE SAMPLE: 562203

Parameter	Units	7093107001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	1000	1010	100	90-110	

MATRIX SPIKE SAMPLE: 562205

Parameter	Units	7093260004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	1000	1050	105	90-110	

SAMPLE DUPLICATE: 562204

Parameter	Units	7093107001 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	<10.0		

SAMPLE DUPLICATE: 562206

Parameter	Units	7093260004 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.: 7093260

QC Batch: 119799 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 7093260001, 7093260003, 7093260004

METHOD BLANK: 569302 Matrix: Water

Associated Lab Samples: 7093260001, 7093260003, 7093260004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	06/28/19 04:16	
Sulfate	mg/L	<5.0	5.0	06/28/19 04:16	

LABORATORY CONTROL SAMPLE: 569303

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.9	109	90-110	
Sulfate	mg/L	10	10.8	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 569304 569305

Parameter	Units	7093594001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Chloride	mg/L	2.1	10	10	13.0	12.6	109	105	80-120	3	
Sulfate	mg/L	16.9	10	10	26.7	25.9	99	90	80-120	3	

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

QC Batch: 117500 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7093260001, 7093260003, 7093260004

METHOD BLANK: 556395 Matrix: Water
Associated Lab Samples: 7093260001, 7093260003, 7093260004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	06/12/19 19:22	

LABORATORY CONTROL SAMPLE: 556396

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.1	107	90-110	

MATRIX SPIKE SAMPLE: 556397

Parameter	Units	7093260001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.51	102	90-110	

MATRIX SPIKE SAMPLE: 556399

Parameter	Units	7093265001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.44	88	90-110	M1

SAMPLE DUPLICATE: 556398

Parameter	Units	7093260001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 556400

Parameter	Units	7093265001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS

Pace Project No.: 7093260

QC Batch: 117513 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate, Unpres.
Associated Lab Samples: 7093260001, 7093260003, 7093260004

METHOD BLANK: 556583 Matrix: Water

Associated Lab Samples: 7093260001, 7093260003, 7093260004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	06/13/19 01:26	

LABORATORY CONTROL SAMPLE: 556584

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.1	107	90-110	

MATRIX SPIKE SAMPLE: 556585

Parameter	Units	7093260001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.5	0.19	39	90-110	

MATRIX SPIKE SAMPLE: 556587

Parameter	Units	7093300001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	7.8	5	12.8	100	90-110	

SAMPLE DUPLICATE: 556586

Parameter	Units	7093260001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 556588

Parameter	Units	7093300001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	7.8	7.8	0	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

QC Batch: 119283 Analysis Method: SM22 4500 NH3 H
QC Batch Method: SM22 4500 NH3 H Analysis Description: 4500 Ammonia
Associated Lab Samples: 7093260001, 7093260003, 7093260004

METHOD BLANK: 566897 Matrix: Water
Associated Lab Samples: 7093260001, 7093260003, 7093260004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	0.10	06/25/19 14:43	

LABORATORY CONTROL SAMPLE: 566898

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	101	90-110	

MATRIX SPIKE SAMPLE: 566899

Parameter	Units	7091883001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	1	1.0	101	75-125	

SAMPLE DUPLICATE: 566900

Parameter	Units	7091883001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	<0.10		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

QC Batch: 118153 Analysis Method: SM22 5310B
QC Batch Method: SM22 5310B Analysis Description: 5310B TOC
Associated Lab Samples: 7093260001, 7093260003, 7093260004

METHOD BLANK: 560760 Matrix: Water
Associated Lab Samples: 7093260001, 7093260003, 7093260004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<1.0	1.0	06/18/19 09:58	

LABORATORY CONTROL SAMPLE: 560761

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.2	92	85-115	

MATRIX SPIKE SAMPLE: 560763

Parameter	Units	7093472001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.0	10	11.9	99	75-125	

SAMPLE DUPLICATE: 560762

Parameter	Units	7093472001 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	2.0	1.9	4	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

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.

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF VAN BUREN RESIDENTS
Pace Project No.: 7093260

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7093260001	RW-A (MILLER)				
7093260003	RW-B (NOLAN)				
7093260004	RW-C (DAVIS)				
7093260001	RW-A (MILLER)	EPA 3005A	118276	EPA 6010C	118287
7093260003	RW-B (NOLAN)	EPA 3005A	118276	EPA 6010C	118287
7093260004	RW-C (DAVIS)	EPA 3005A	118276	EPA 6010C	118287
7093260001	RW-A (MILLER)	EPA 624.1	118011		
7093260002	RW-A INFLUENT	EPA 624.1	118011		
7093260003	RW-B (NOLAN)	EPA 624.1	118011		
7093260004	RW-C (DAVIS)	EPA 624.1	118011		
7093260005	TRIP BLANK	EPA 624.1	118011		
7093260001	RW-A (MILLER)	EPA 180.1	117528		
7093260003	RW-B (NOLAN)	EPA 180.1	117528		
7093260004	RW-C (DAVIS)	EPA 180.1	117528		
7093260001	RW-A (MILLER)	SM22 2320B	119110		
7093260003	RW-B (NOLAN)	SM22 2320B	119110		
7093260004	RW-C (DAVIS)	SM22 2320B	119110		
7093260001	RW-A (MILLER)	SM22 2340C	119522		
7093260003	RW-B (NOLAN)	SM22 2340C	119522		
7093260004	RW-C (DAVIS)	SM22 2340C	119522		
7093260001	RW-A (MILLER)	SM22 2540C	118157		
7093260003	RW-B (NOLAN)	SM22 2540C	118157		
7093260004	RW-C (DAVIS)	SM22 2540C	118157		
7093260001	RW-A (MILLER)	EPA 410.4	118376	EPA 410.4	118422
7093260003	RW-B (NOLAN)	EPA 410.4	118376	EPA 410.4	118422
7093260004	RW-C (DAVIS)	EPA 410.4	118376	EPA 410.4	118422
7093260001	RW-A (MILLER)	EPA 300.0	119799		
7093260003	RW-B (NOLAN)	EPA 300.0	119799		
7093260004	RW-C (DAVIS)	EPA 300.0	119799		
7093260001	RW-A (MILLER)	EPA 353.2	117513		
7093260003	RW-B (NOLAN)	EPA 353.2	117513		
7093260004	RW-C (DAVIS)	EPA 353.2	117513		
7093260001	RW-A (MILLER)	EPA 353.2	117500		
7093260003	RW-B (NOLAN)	EPA 353.2	117500		
7093260004	RW-C (DAVIS)	EPA 353.2	117500		
7093260001	RW-A (MILLER)	SM22 4500 NH3 H	119283		
7093260003	RW-B (NOLAN)	SM22 4500 NH3 H	119283		
7093260004	RW-C (DAVIS)	SM22 4500 NH3 H	119283		
7093260001	RW-A (MILLER)	SM22 5310B	118153		
7093260003	RW-B (NOLAN)	SM22 5310B	118153		
7093260004	RW-C (DAVIS)	SM22 5310B	118153		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Client Name:

Enalytic

Project:

WO#: 7093260

PM: JSA Due Date: 06/26/19

CLIENT: ENALYTIC

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

Tracking #: 7792 1541 7202

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

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

Thermometer Used: (H09) Correction Factor: +0.2

Cooler Temperature (°C): 3.3 Cooler Temperature Corrected (°C): 3.5

Temperature Blank Present: ☐ Yes ☒ No

Type of Ice: ☒ Wet ☐ Blue ☐ None

☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Temp should be above freezing to -6.0°C

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

Date and Initials of person examining contents: 6/12/19 JSP

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

Did samples originate from a foreign source (internationally, 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 MS/MSD)	☒ Yes	☐ No	8.
Correct Containers Used:	☒ Yes	☐ No	9.
-Pace Containers Used:	☒ Yes	☐ No	
Containers Intact:	☒ Yes	☐ No	10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No ☒ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒ Yes	☐ No	12.
-Includes date/time/ID/Analysis Matrix <u>SL (W)</u> OIL			
All containers needing preservation have been checked	☒ Yes	☐ No ☐ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # <u>HL663463</u>			Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	☒ Yes	☐ No ☐ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).			
Per Method, VOA pH is checked after analysis			
Samples checked for dechlorination:	☐ Yes	☐ No ☒ N/A	14.
KI starch test strips Lot #			
Residual chlorine strips Lot #			Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☒ No ☐ N/A	15.
Trip Blank Present:	☐ Yes	☒ No ☐ N/A	16.
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:

7093260

Enalytic, LLC

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

Tap Water / Surface Water / Wastewater Field Log

Client: Town of Van Buren
Project: Landfill Residents
Date: 6/11/2019

Sampler (print): Peter Fricano
Signature: Peter Fricano

Location RW-A (Miller)
 EH -65 mv
 TEMPERATURE 19.2 C
 PH 6.95 STD.UNITS
 SPEC. COND. 87.4 UMHOS/CM
 TURBIDITY 0.30 NTU
 CHLORINE RES. N/A MG/L Cl2
 SULFITE N/A MG/L
 DIS.OXYGEN N/A MG/L

TIME SAMPLED 10:10am **Lab ID** _____
WEATHER CONDITION: 62degF Sunny
APPEARANCE / OBSERVATIONS
Sample collected from the Kitchen Sink RO Tap.
Sample Collection Date/Time: 6/11/2019 10:10am.

Location RW-B (Nolan)
 EH 70.5
 TEMPERATURE 25.7 C
 PH 6.68 STD.UNITS
 SPEC. COND. 121 UMHOS/CM
 TURBIDITY 3.20 NTU
 CHLORINE RES. N/A MG/L Cl2
 SULFITE N/A MG/L
 DIS.OXYGEN N/A MG/L

TIME SAMPLED 3:22pm **Lab ID** _____
WEATHER CONDITION: 67degF Sunny
APPEARANCE / OBSERVATIONS
Sample collected from the Kitchen Sink RO Tap.
Sample Collection Date/Time: 6/11/2019 3:22pm.

Location RW-C (Davis)
 EH -48
 TEMPERATURE 15.8 C
 PH 6.40 STD.UNITS
 SPEC. COND. 105 UMHOS/CM
 TURBIDITY 0.38 NTU
 CHLORINE RES. N/A MG/L Cl2
 SULFITE N/A MG/L
 DIS.OXYGEN N/A MG/L

TIME SAMPLED 1:31pm **Lab ID** _____
WEATHER CONDITION: 67degF Sunny
APPEARANCE / OBSERVATIONS
Sample collected from the Kitchen Sink RO Tap.
Sample Collection Date/Time: 6/11/2019 1:31pm.

Location _____
 FLOW _____
 TEMPERATURE _____ C OR F
 PH _____ STD.UNITS
 SPEC. COND. _____ UMHOS/CM
 TURBIDITY _____ NTU
 CHLORINE RES. _____ MG/L Cl2
 SULFITE _____ MG/L
 DIS.OXYGEN _____ MG/L

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

PFF 6-11-19

ANALYTICAL REPORT

Job Number: 420-155522-1

SDG Number: 7093260

Job Description: Pace Analytical Sevices, Inc.-Mellville

For:

Pace Analytical Mellville
575 Broadhollow Road
Melville, NY 11747

Attention: James Murphy

Laura Marciano

Laura L Marciano

Customer Service Manager

lmarciano@envirotestlaboratories.com

06/28/2019

cc: Ms. Jen Aracri
Betty Harrison
Accounts Payable
Sophia Sparkes

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EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOHP PH-0554

Envirotest Laboratories, Inc.

315 Fullerton Avenue, Newburgh, NY 12550

Tel (845) 562-0890 Fax (845) 562-0841 www.envirotestlaboratories.com

EXECUTIVE SUMMARY - Detections

Client: Pace Analytical Melville

Job Number: 420-155522-1

Sdg Number: 7093260

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
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No Detections

METHOD SUMMARY

Client: Pace Analytical Melville

Job Number: 420-155522-1

SDG Number: 7093260

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Phenols Semi-Automated	EnvTest	EPA 420.4 Rev. 1.0	
Distillation/Phenolics	EnvTest		Distill/Phenol

Lab References:

EnvTest = EnviroTest

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Pace Analytical Melville

Job Number: 420-155522-1

SDG Number: 7093260

Method	Analyst	Analyst ID
EPA 420.4 Rev. 1.0	Mastrobuono, Danielle	DM

SAMPLE SUMMARY

Client: Pace Analytical Melville

Job Number: 420-155522-1
SDG Number: 7093260

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-155522-1	RW-A (Miller)	Water	06/11/2019 1010	06/19/2019 1115
420-155522-2	RW-B (Nolan)	Water	06/11/2019 1522	06/19/2019 1115
420-155522-3	RW-C (Davis)	Water	06/11/2019 1331	06/19/2019 1115

SAMPLE RESULTS

Analytical Data

Client: Pace Analytical Mellville

Job Number: 420-155522-1

Sdg Number: 7093260

General Chemistry**Client Sample ID:** RW-A (Miller)

Lab Sample ID: 420-155522-1

Client Matrix: Water

Date Sampled: 06/11/2019 1010

Date Received: 06/19/2019 1115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	<0.010		mg/L	0.010	0.010	1.0	420.4 Rev. 1.0
Any Batch:		Date Analyzed	06/24/2019	1549			
Prep Batch:		Date Prepared:	06/21/2019	1340			

Client Sample ID: RW-B (Nolan)

Lab Sample ID: 420-155522-2

Client Matrix: Water

Date Sampled: 06/11/2019 1522

Date Received: 06/19/2019 1115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	<0.010		mg/L	0.010	0.010	1.0	420.4 Rev. 1.0
Any Batch:		Date Analyzed	06/24/2019	1550			
Prep Batch:		Date Prepared:	06/21/2019	1340			

Client Sample ID: RW-C (Davis)

Lab Sample ID: 420-155522-3

Client Matrix: Water

Date Sampled: 06/11/2019 1331

Date Received: 06/19/2019 1115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	<0.010		mg/L	0.010	0.010	1.0	420.4 Rev. 1.0
Any Batch:		Date Analyzed	06/24/2019	1551			
Prep Batch:		Date Prepared:	06/21/2019	1340			

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
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Certification Information

The following analytes are Not Part of the ELAP scope of accreditation:

Sulfur, Tungsten, Bicarbonate Alkalinity, 7 Day BOD 5210C, 28 Day BOD, Soluble BOD, Carbon Dioxide, Carbonate Alkalinity, CBOD Soluble, Chlorine, Cyanide (WAD), Ferrous Iron, Ferric Iron, Total Nitrogen, Total Organic Nitrogen, Dissolved Oxygen, pH, Solids (Fixed), Solids (Percent), Solids (Percent Moisture), Solids (Percent Volatile), Solids (Volatile Suspended), Temperature, TKN (Soluble), COD (Soluble), Total Inorganic Carbon, 2-Aminopyridine, 3-Picoline, 1-Methyl-2-pyrrilidinone, Aziridine, Dimethyl sulfoxide, 1-Chlorohexane, 1,2,4,5-Tetramethylbenzene, 4-Ethyl toluene, p-Diethylbenzene, Iron Bacteria, Salmonella, Sulfur Reducing Bacteria, & UOD (Ultimate Oxygen Demand).

The following analytes are Not Part of ELAP Potable Water scope of accreditation:

Ammonia (SM 4500NH3G), TKN (351.2), Phosphorus (365.3), Nitrate-Nitrite (10-107-4-1C, 353.2), m-Xylene & p-Xylene (502.2, 524), o-Xylene (502.2, 524), Sulfide (SM4500SD), Acenaphthene (525.2), Acenaphthylene (525.2), Fluoranthene (525.2), Fluorene (525.2), Phenanthrene (525.2), Anthracene (525.2), Pyrene (525.2), Benzo[a]anthracene (525.2), Benzo[b]fluoranthene (525.2), Benzo[g,h,i]perylene (525.2), Benzo[k]fluoranthene (525.2), Indeno[1,2,3-cd]pyrene (525.2), & Dibenzo(a,h)anthracene (525.2).

The following analytes are Not Part of ELAP Solid and Hazardous Waste scope of accreditation:

Ammonia (SM 4500NH3G), TKN (351.2), Phosphorus (365.3), 1,2-Dichloro-1,1,2-trifluoroethane (8260), & Chlorodifluoromethane (8260).

The following analytes are Not Part of ELAP Non Potable Water scope of accreditation:

Dissolved Organic Carbon (5310C), Mecoprop (8151A), MCPA (8151A), Propylene Glycol (8015D).

Definitions and Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points.

QUALITY CONTROL RESULTS

Quality Control Results

Client: Pace Analytical Melville

Job Number: 420-155522-1

Sdg Number: 7093260

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 420-132785					
LCS 420-132785/28-A	Lab Control Spike	T	Water	Distill/Phenol	
MB 420-132785/27-A	Method Blank	T	Water	Distill/Phenol	
420-155414-A-8-E MS	Matrix Spike	T	Water	Distill/Phenol	
420-155415-A-2-I MSD	Matrix Spike Duplicate	T	Water	Distill/Phenol	
420-155522-1	RW-A (Miller)	T	Water	Distill/Phenol	
420-155522-2	RW-B (Nolan)	T	Water	Distill/Phenol	
420-155522-3	RW-C (Davis)	T	Water	Distill/Phenol	
Analysis Batch: 420-132839					
LCS 420-132785/28-A	Lab Control Spike	T	Water	420.4 Rev. 1.0	420-132785
MB 420-132785/27-A	Method Blank	T	Water	420.4 Rev. 1.0	420-132785
420-155414-A-8-E MS	Matrix Spike	T	Water	420.4 Rev. 1.0	420-132785
420-155415-A-2-I MSD	Matrix Spike Duplicate	T	Water	420.4 Rev. 1.0	420-132785
420-155522-1	RW-A (Miller)	T	Water	420.4 Rev. 1.0	420-132785
420-155522-2	RW-B (Nolan)	T	Water	420.4 Rev. 1.0	420-132785
420-155522-3	RW-C (Davis)	T	Water	420.4 Rev. 1.0	420-132785

Report Basis

T = Total

Surrogate Recovery Report

<u>Lab Sample ID</u>	<u>Client Sample ID</u>
----------------------	-------------------------

<u>Surrogate</u>	<u>Acceptance Limits</u>
------------------	--------------------------

Quality Control Results

Client: Pace Analytical Melville

Job Number: 420-155522-1

Sdg Number: 7093260

Method Blank - Batch: 420-132785

Method: 420.4 Rev. 1.0

Preparation: Distill/Phenol

Lab Sample ID: MB 420-132785/27-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2019 1535
Date Prepared: 06/21/2019 1340

Analysis Batch: 420-132839
Prep Batch: 420-132785
Units: mg/L

Instrument ID: Lachat Quikchem 8500 FIA
Lab File ID: OM_6-24-2019_03-01-32PM.C
Initial Weight/Volume: mL
Final Weight/Volume: mL

Analyte	Result	Qual	RL	RL
Phenolics, Total Recoverable	<0.010		0.010	0.010

Lab Control Spike - Batch: 420-132785

Method: 420.4 Rev. 1.0

Preparation: Distill/Phenol

Lab Sample ID: LCS 420-132785/28-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2019 1534
Date Prepared: 06/21/2019 1340

Analysis Batch: 420-132839
Prep Batch: 420-132785
Units: mg/L

Instrument ID: Lachat Quikchem 8500 FIA
Lab File ID: OM_6-24-2019_03-01-32PM.C
Initial Weight/Volume: mL
Final Weight/Volume: mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	0.0500	0.050	100	57 - 123	

Matrix Spike - Batch: 420-132785

Method: 420.4 Rev. 1.0

Preparation: Distill/Phenol

Lab Sample ID: 420-155414-A-8-E MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2019 1530
Date Prepared: 06/21/2019 1340

Analysis Batch: 420-132839
Prep Batch: 420-132785
Units: mg/L

Instrument ID: Lachat Quikchem 8500 FIA
Lab File ID: OM_6-24-2019_03-01-32PM.C
Initial Weight/Volume: mL
Final Weight/Volume: mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	<0.010	0.0300	0.035	116	55 - 136	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Chain of Custody

155522



Workorder: 7093260

Workorder Name: TOWN OF VAN BUREN RESIDENTS

Results Requested By: 6/26/2019

Report / Invoice To:		Subcontract To:	
Jennifer Aracri Pace Analytical Melville 575 Broad Hollow Road Melville, NY 11747 Phone (631)694-3040 Email: jennifer.aracri@pacelabs.com		Enviro Test Laboratories, Inc. P.O. 7093260JSA 315 Fullerton Avenue Newburgh, NY 12550	

State of Sample Origin: NY

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers					LAB USE ONLY
					15 mL	30 mL	60 mL	120 mL	240 mL	
1	RW-A (MILLER)	6/11/2019 10:10	7093260001	Water				X		
2	RW-B (NOLAN)	6/11/2019 15:22	7093260003	Water				X		
3	RW-C (DAVIS)	6/11/2019 13:31	7093260004	Water				X		
4										
5										

Transfers	Released By	Date/Time	Received By	Date/Time	Received on Ice	Y or N	Samples Intact	Y or N
1	<i>Jennifer Aracri</i>	6/11/2019	<i>Jennifer Aracri</i>	6/11/2019 @ 11:15				
2								
3								

Cooler Temperature on Receipt 4.6 °C Custody Seal Y or (N) Received on Ice (Y) or N Samples Intact (Y) or N

PADEx P.O. 1068 0079 5150



420-155522-A-1

RW-A (Miller)

Location: Water Sample Coolers

Date Sampled: 6/11/2019 420-1352055

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Pace Analytical Mellville

Job Number: 420-155522-1

SDG Number: 7093260

Login Number: 155522

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	4.6 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Enalytic, LLC

Analytical Testing Laboratory

"30 years of science and customer service experience supporting our clients' ever-changing analytical needs"

Shipping: 6034 Corporate Drive * East Syracuse, NY 13057

Mailing: P.O. Box 289 * Syracuse, NY 13206

Phone: (315) 437-0255 * Fax: (315) 437-1209

Mr. Jason E. Hoy, P.E.
Town of Van Buren
7575 Van Buren Road
Baldwinsville, NY 13027

Tuesday, July 16, 2019

Re: Town of Van Buren Landfill Well Monitoring
Emerging Contaminants Investigation

Work Order: E1906050

Dear Mr. Hoy,

In accordance with the Town of Van Buren Landfill's Environmental Monitoring Plan and the request of the NYS DEC-Syracuse, please find attached test results for the above referenced project.

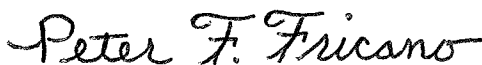
The sampling for the event was conducted by Enalytic, LLC Field Technicians on June 11th-12th, 2019. Samples were collected at the following locations: MW-5S, MW-5D and MW-6S. In addition, the Field Duplicate Sample was collected at MW-5S and the Matrix Spike/Matrix Spike Duplicate Samples were collected at MW-5D. We also collected an Equipment Blank (a new HDPE Bailer cleaned and rinsed in the field with PFOA-Free water which was supplied by the testing laboratory). All three of the wells were purged and sampled using new, cleaned and rinsed HDPE bailers

We have enclosed a copy of our Groundwater Field Log sheets.

The 1,4-Dioxane by SIM (EPA Method 8270D testing was performed by Pace Analytical Services, Inc. – Minneapolis and the PFAS testing by EPA Method 537 Version 1.1 Modified was performed by Eurofins TestAmerica – Sacramento. Both Lab reports are enclosed.

Should you have any questions regarding the sampling or analytical data, or if I can be of any further service to you, please do not hesitate to give me a call.

Sincerely,
Enalytic, LLC



Peter F. Fricano
Project Manager

Encs: Enalytic Field Data Sheets, Pace Lab Report No. 7093484

Analytic 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-5S

Condition of Well:

Good

Locked:

No

Method of Evacuation:

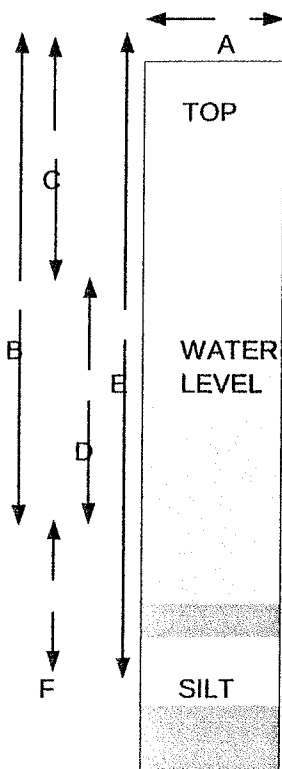
HDPE Bailer (New)

Lock ID:

None

Method of Sampling:

HDPE Bailer (New)



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	40	feet
C.	Depth to Water	29.6	feet
D.	Length of Water Column (calc.)	10.4	feet
	Conversion Factor	X .16	-----
	Well Volume (calculated)	1.66	gallons
	No. of Volumes to be Evacuated	X 3	-----
	Total Volume to be Evacuated	5.0	gallons
	Actual Volume Evacuated	15.0	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated)	N/A	feet

Field Measurements	Initial Evacuation	First Volume	Second Volume	Third Volume	Final Sampling	% Recharge:
Date	6-11-19	6-11-19	6-11-19	6-11-19	6-12-19	Initial Depth to Water 29.6 feet
Time	11:00	11:25	11:30	11:36	8:30	Recharge Depth to Water 29.8 feet
ORP	-130	-115	-105	-108	-101	2nd water column height 102 %
Temperature	13.3	13.5	14.1	13.1	13.2	1st water column height
pH	9.90	6.70	6.76	6.77	6.91	
Specific Cond.	858	991	1011	1039	1026	
Turbidity	12.2	107	409	241	379	
Dissolved Oxygen	N/A	N/A	N/A	N/A	N/A	
Appearance	clear	Red-br	Red-br	Red-br	Red-br	

Weather:

Observations: Sunny - 65degF Sample collected for D-Metals

Sampler:
Peter Fricano Kris Mann
Cassie Dunbar
Signature:

Peter Fricano

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)

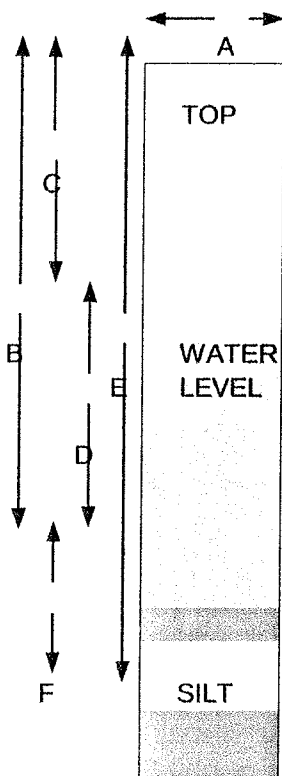
Condition of Well: Good

Locked: No

Method of Evacuation: HDPE Bailer (New)

Lock ID: None

Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>75.5</u>	feet
C.	Depth to Water	<u>32.2</u>	feet
D.	Length of Water Column (calculate)	<u>43.3</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>6.93</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>20.8</u>	gallons
	Actual Volume Evacuated	<u>40</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	First Volume	Second Volume	Third Volume	Final Sampling	% Recharge:
Date	6-11-19	6-11-19	6-11-19	6-11-19	6-12-19	Initial Depth to Water <u>32.2</u> feet
Time	11:10	11:32	11:38	11:53	8:46	Recharge Depth to Water <u>31.1</u> feet
ORP	-139	-85	-95	-125	-133	2nd water column height <u>103</u> %
Temperature	13.6	14.8	16.7	15.1	15.0	1st water column height
pH	7.10	6.81	6.95	7.14	7.19	
Specific Cond.	711	971	2070	2210	2250	
Turbidity	57.0	103	111	271	73.0	
Dissolved Oxygen	N/A	N/A	N/A	N/A	N/A	Sampler:
Appearance	clear	clear	clear	clear	clear	Peter Fricano Kris Mann Cassie Dunbar

Weather:

Observations:

SUNNY - 65 DEG F

(SAMPLE COLLECTED FOR D-METALS)

Signature: Peter Fricano

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-6S

Condition of Well:

Good

Locked:

No

Method of Evacuation:

HDPE Bailer (New)

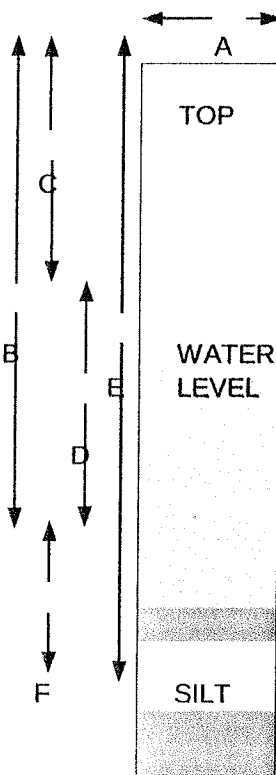
Lock ID:

None

Method of Sampling:

HDPE Bailer (New)

* removed bladder pump to purge/sample (due to low volume).



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>19.61</u>	feet
C.	Depth to Water	<u>8.4</u>	feet
D.	Length of Water Column (calculate	<u>11.21</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>1.79</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>5.38</u>	gallons
	Actual Volume Evacuated	<u>10</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	First Volume	Second Volume	Third Volume	Final Sampling	% Recharge:
Date	<u>6-11-10</u>	<u>6-11-19</u>	<u>6-11-19</u>	<u>6-11-19</u>	<u>6-12-19</u>	Initial Depth to Water <u>8.4</u> feet
Time	<u>2:15</u>	<u>2:29</u>	<u>2:39</u>	<u>2:46</u>	<u>3:16</u>	Recharge Depth to Water <u>8.6</u> feet
ORP	<u>-12</u>	<u>-48</u>	<u>-54</u>	<u>-47</u>	<u>-23</u>	2nd water column height <u>98</u> %
Temperature	<u>14.7</u>	<u>13.9</u>	<u>14.2</u>	<u>14.3</u>	<u>14.6</u>	1st water column height
pH	<u>7.42</u>	<u>7.51</u>	<u>7.49</u>	<u>7.44</u>	<u>7.43</u>	
Specific Cond.	<u>691</u>	<u>688</u>	<u>660</u>	<u>641</u>	<u>679</u>	
Turbidity	<u>14.6</u>	<u>38.8</u>	<u>42.7</u>	<u>35.5</u>	<u>19.1</u>	
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	
Appearance	<u>cloudy</u>	<u>cloudy</u>	<u>cloudy</u>	<u>cloudy</u>	<u>cloudy</u>	

Sampler:

Peter Fricano

Kris Mann

Cassie Dunbar

Signature:

Peter Fricano

Weather:

Observations: Sunny - 65degF



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

July 15, 2019

Pete Fricano
Enalytic, LLC
6034 Corporate Drive
East Syracuse, NY 13057

RE: Project: TOWN OF VAN BUREN 6/12
Pace Project No.: 7093484

Dear Pete Fricano:

Enclosed are the analytical results for sample(s) received by the laboratory on June 13, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

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

Sincerely,

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

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: TOWN OF VAN BUREN 6/12
Pace Project No.: 7093484

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: TOWN OF VAN BUREN 6/12
Pace Project No.: 7093484

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
7093484001	MW-5S	EPA 8270D by SIM	STB	2	PASI-M
7093484002	MW-5D	EPA 8270D by SIM	STB	2	PASI-M
7093484003	MW-6S	EPA 8270D by SIM	STB	2	PASI-M
7093484004	FIELD DUPLICATE (MW-5S)	EPA 8270D by SIM	STB	2	PASI-M
7093484005	EQUIPMENT BLANK	EPA 8270D by SIM	STB	2	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN 6/12
Pace Project No.: 7093484

Sample: MW-5S		Lab ID: 7093484001	Collected: 06/12/19 08:30		Received: 06/13/19 11:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV 14 Dioxane By SIM		Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510						
1,4-Dioxane (SIM)	5.7	ug/L	0.25	1	06/17/19 12:55	06/21/19 17:43	123-91-1	
Surrogates								
1,4-Dioxane-d8 (S)	49	%.	30-125	1	06/17/19 12:55	06/21/19 17:43		

REPORT OF LABORATORY ANALYSIS



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

ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN 6/12
Pace Project No.: 7093484

Sample: MW-5D		Lab ID: 7093484002		Collected: 06/12/19 08:46		Received: 06/13/19 11:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV 14 Dioxane By SIM		Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510							
1,4-Dioxane (SIM)		<0.25	ug/L	0.25	1	06/17/19 12:55	06/21/19 18:22	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)		50	%.	30-125	1	06/17/19 12:55	06/21/19 18:22		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN 6/12
Pace Project No.: 7093484

Sample: MW-6S		Lab ID: 7093484003	Collected: 06/12/19 10:46		Received: 06/13/19 11:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV 14 Dioxane By SIM								
Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510								
1,4-Dioxane (SIM)	<0.25	ug/L	0.25	1	06/17/19 12:55	06/21/19 19:01	123-91-1	
Surrogates								
1,4-Dioxane-d8 (S)	48	%.	30-125	1	06/17/19 12:55	06/21/19 19:01		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN 6/12
Pace Project No.: 7093484

Sample: FIELD DUPLICATE (MW-5S)		Lab ID: 7093484004	Collected: 06/12/19 08:30	Received: 06/13/19 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV 14 Dioxane By SIM		Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510						
1,4-Dioxane (SIM)	5.9	ug/L	0.25	1	06/17/19 12:55	06/21/19 18:02	123-91-1	
Surrogates								
1,4-Dioxane-d8 (S)	47	%.	30-125	1	06/17/19 12:55	06/21/19 18:02		

REPORT OF LABORATORY ANALYSIS



ANALYTICAL RESULTS

Project: TOWN OF VAN BUREN 6/12
Pace Project No.: 7093484

Sample: EQUIPMENT BLANK		Lab ID: 7093484005	Collected: 06/12/19 09:04		Received: 06/13/19 11:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV 14 Dioxane By SIM Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510								
1,4-Dioxane (SIM)	<0.25	ug/L	0.25	1	06/17/19 12:55	06/21/19 18:41	123-91-1	
Surrogates								
1,4-Dioxane-d8 (S)	47	%.	30-125	1	06/17/19 12:55	06/21/19 18:41		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF VAN BUREN 6/12
Pace Project No.: 7093484

QC Batch: 613318 Analysis Method: EPA 8270D by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270D Water 14 Dioxane by SIM
Associated Lab Samples: 7093484001, 7093484002, 7093484003, 7093484004, 7093484005

METHOD BLANK: 3314241 Matrix: Water
Associated Lab Samples: 7093484001, 7093484002, 7093484003, 7093484004, 7093484005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (SIM)	ug/L	<0.25	0.25	06/21/19 11:31	
1,4-Dioxane-d8 (S)	%	39	30-125	06/21/19 11:31	

LABORATORY CONTROL SAMPLE & LCSD: 3314242		3314243								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,4-Dioxane (SIM)	ug/L	10	7.8	7.3	78	73	40-125	6	20	
1,4-Dioxane-d8 (S)	%				39	46	30-125			

LABORATORY CONTROL SAMPLE: 3314706		Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Parameter	Units					
1,4-Dioxane (SIM)	ug/L	10	<0.25	2	40-125	L2
1,4-Dioxane-d8 (S)	%			44	30-125	

LABORATORY CONTROL SAMPLE: 3314707		Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Parameter	Units					
1,4-Dioxane (SIM)	ug/L	10	0.25	3	40-125	L2
1,4-Dioxane-d8 (S)	%			47	30-125	

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.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: TOWN OF VAN BUREN 6/12
Pace Project No.: 7093484

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.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF VAN BUREN 6/12
Pace Project No.: 7093484

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7093484001	MW-5S	EPA 3510	613318	EPA 8270D by SIM	614673
7093484002	MW-5D	EPA 3510	613318	EPA 8270D by SIM	614673
7093484003	MW-6S	EPA 3510	613318	EPA 8270D by SIM	614673
7093484004	FIELD DUPLICATE (MW-5S)	EPA 3510	613318	EPA 8270D by SIM	614673
7093484005	EQUIPMENT BLANK	EPA 3510	613318	EPA 8270D by SIM	614673

REPORT OF LABORATORY ANALYSIS



Sample Condition Upon Receipt

Client Name:

Project

WO#: 7093484

PM: JSA Due Date: 06/27/19

CLIENT: ENALYTIC

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

Tracking #: 7754 5812 1690

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

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

Thermometer Used: TH091

Correction Factor: +0.2

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 0.9

Cooler Temperature Corrected (°C): 1.1

Date/Time 5035A Kits placed in freezer

Temp should be above freezing to 6.0°C

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

Date and Initials of person examining contents: PL 6/13/19

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

Did samples originate from a foreign source (internationally, 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 MS/MSD)	☒ Yes	☐ No	8.
Correct Containers Used:	☒ Yes	☐ No	9.
-Pace Containers Used:	☒ Yes	☐ No	
Containers Intact:	☒ Yes	☐ No	10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No ☒ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒ Yes	☐ No	12.
-Includes date/time/ID/Analysis Matrix SL WAT OIL			
All containers needing preservation have been checked	☒ Yes	☐ No ☒ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot #			Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	☐ Yes	☐ No ☒ N/A	Initial when completed: Lot # of added preservative: Date/Time preservative added
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease; DRO/8015 (water). Per Method, VOA pH is checked after analysis			
Samples checked for dechlorination:	☐ Yes	☐ No ☒ N/A	14.
KI starch test strips Lot #			Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #			
Headspace in VOA Vials (< 6min):	☒ Yes	☐ No ☒ N/A	15.
Trip Blank Present:	☐ Yes	☐ No ☒ N/A	16.
Trip Blank Custody Seals Present	☒ Yes	☐ No ☒ N/A	
Pace Trip Blank Lot # (if applicable):			

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

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

F-LI-C-002-rev.02

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ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-51427-1
Laboratory Sample Delivery Group: 7093484
Client Project/Site: Pace PFAS Testing

For:
Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, New York 11747

Attn: Jennifer Aracri

Cesar C Cortes

Authorized for release by:
7/9/2019 8:30:12 AM

Cesar Cortes, Project Manager I
(916)374-4316
cesar.cortes@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51427-1
SDG: 7093484

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51427-1
SDG: 7093484

Job ID: 320-51427-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Receipt

The samples were received on 6/18/2019 at 9:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3° C.

The following samples were received but not documented on the chain of custody: MW-5D (320-51427-2[MS]) and MW-5D (320-51427-2[MSD]). The laboratory was instructed to analyze.

Subcontract Work

Method General Subcontract Method: This method was subcontracted to Eurofins Lancaster Laboratories Env LLC. The subcontract laboratory certification is different from that of the facility issuing the final report.



ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

TestAmerica Sacramento
880 Riverside Parkway
West Sacramento CA 95605

Report Date: July 03, 2019 15:35

Project: Pace PFAS Testing

Account #: 01042
Group Number: 2049928
SDG: TAC08
PO Number: 32010619
State of Sample Origin: NY

Electronic Copy To TestAmerica

Attn: Cesar C Cortes

Respectfully Submitted,



Kay Hower

(717) 556-7364

To view our laboratory's current scopes of accreditation please go to <https://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/certifications-and-accreditations-eurofins-lancaster-laboratories-environmental/>. Historical copies may be requested through your project manager.



SAMPLE INFORMATION

<u>Client Sample Description</u>	<u>Sample Collection</u> <u>Date/Time</u>	<u>ELLE#</u>
MW-5S (320-51427-1) Water	06/12/2019 08:30	1085292
MW-5D (320-51427-2) Water	06/12/2019 08:46	1085293
MW-5D (320-51427-2MS) Water	06/12/2019 08:46	1085294
MW-5D (320-51427-2MSD) Water	06/12/2019 08:46	1085295
MW-6S (320-51427-3) Water	06/12/2019 10:46	1085296
FIELD DUPLICATE (MW-5S) (320-51427-4) Water	06/12/2019 08:30	1085297
EQUIPMENT BLANK (320-51427-5) Water	06/12/2019 09:04	1085298

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: MW-5S (320-51427-1) Water
Pace PFAS Testing

TestAmerica Sacramento
ELLE Sample #: WW 1085292
ELLE Group #: 2049928
Matrix: Water

Project Name: Pace PFAS Testing

Submittal Date/Time: 06/20/2019 11:10
Collection Date/Time: 06/12/2019 08:30
SDG#: TAC08-01

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified			ng/l	ng/l	ng/l	
14473	6:2-Fluorotelomersulfonic acid ¹	27619-97-2	1.9 J	0.96	1.9	1
14473	8:2-Fluorotelomersulfonic acid ¹	39108-34-4	N.D.	1.9	5.8	1
14473	NEtFOSAA ¹	2991-50-6	3.5	0.96	2.9	1
NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.						
14473	NMeFOSAA ¹	2355-31-9	N.D.	0.96	2.9	1
NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.						
14473	Perfluorobutanesulfonic acid ¹	375-73-5	2.2	0.29	0.96	1
14473	Perfluorobutanoic Acid ¹	375-22-4	9.2	1.9	5.8	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	N.D.	0.58	1.9	1
14473	Perfluorodecanoic Acid ¹	335-76-2	N.D.	0.87	1.9	1
14473	Perfluorododecanoic Acid ¹	307-55-1	N.D.	0.48	1.9	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	0.49 J	0.38	1.9	1
14473	Perfluoroheptanoic Acid ¹	375-85-9	3.3	0.38	0.96	1
14473	Perfluorohexanesulfonic acid ¹	355-46-4	3.5	0.38	1.9	1
14473	Perfluorohexanoic Acid ¹	307-24-4	5.7	0.38	1.9	1
14473	Perfluorononanoic Acid ¹	375-95-1	N.D.	0.38	1.9	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	N.D.	0.48	2.9	1
14473	Perfluorooctanesulfonic acid ¹	1763-23-1	19	0.38	1.9	1
14473	Perfluorooctanoic Acid ¹	335-67-1	13	0.29	0.96	1
14473	Perfluoropentanoic Acid ¹	2706-90-3	3.1 J	1.9	5.8	1
14473	Perfluorotetradecanoic Acid ¹	376-06-7	N.D.	0.29	0.96	1
14473	Perfluorotridecanoic Acid ¹	72629-94-8	N.D.	0.38	0.96	1
14473	Perfluoroundecanoic Acid ¹	2058-94-8	N.D.	0.38	1.9	1

The recovery for labeled compound used as extraction standards is outside of QC acceptance limits as noted on the QC Summary.

Sample Comments

¹ = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14473	21 PFAS	EPA 537 Version 1.1 Modified	1	19176001	06/26/2019 13:54	Danielle D McCully	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19176001	06/25/2019 09:10	Courtney J Fatta	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-5D (320-51427-2) Water
Pace PFAS TestingTestAmerica Sacramento
ELLE Sample #: WW 1085293
ELLE Group #: 2049928
Matrix: Water

Project Name: Pace PFAS Testing

Submission Date/Time: 06/20/2019 11:10
Collection Date/Time: 06/12/2019 08:46
SDG#: TAC08-02BKG

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified			ng/l	ng/l	ng/l	
14473	6:2-Fluorotelomersulfonic acid ¹	27619-97-2	1.0 J	0.94	1.9	1
14473	8:2-Fluorotelomersulfonic acid ¹	39108-34-4	N.D.	1.9	5.7	1
14473	NEtFOSAA ¹	2991-50-6	N.D.	0.94	2.8	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14473	NMeFOSAA ¹	2355-31-9	N.D.	0.94	2.8	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14473	Perfluorobutanesulfonic acid ¹	375-73-5	N.D.	0.28	0.94	1
14473	Perfluorobutanoic Acid ¹	375-22-4	N.D.	1.9	5.7	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	N.D.	0.57	1.9	1
14473	Perfluorodecanoic Acid ¹	335-76-2	N.D.	0.85	1.9	1
14473	Perfluorododecanoic Acid ¹	307-55-1	N.D.	0.47	1.9	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	N.D.	0.38	1.9	1
14473	Perfluoroheptanoic Acid ¹	375-85-9	N.D.	0.38	0.94	1
14473	Perfluorohexanesulfonic acid ¹	355-46-4	N.D.	0.38	1.9	1
14473	Perfluorohexanoic Acid ¹	307-24-4	N.D.	0.38	1.9	1
14473	Perfluorononanoic Acid ¹	375-95-1	N.D.	0.38	1.9	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	N.D.	0.47	2.8	1
14473	Perfluorooctanesulfonic acid ¹	1763-23-1	0.78 J	0.38	1.9	1
14473	Perfluorooctanoic Acid ¹	335-67-1	0.55 J	0.28	0.94	1
14473	Perfluoropentanoic Acid ¹	2706-90-3	N.D.	1.9	5.7	1
14473	Perfluorotetradecanoic Acid ¹	376-06-7	N.D.	0.28	0.94	1
14473	Perfluorotridecanoic Acid ¹	72629-94-8	N.D.	0.38	0.94	1
14473	Perfluoroundecanoic Acid ¹	2058-94-8	N.D.	0.38	1.9	1

The recovery for the labeled compound used as extraction standard is outside the QC acceptance limits as noted on the QC Summary. The recovery for the labeled compound used as extraction standard is also outside the QC acceptance limits in the associated matrix spike and matrix spike duplicate, indicating a matrix effect.

Sample Comments

¹ = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14473	21 PFAS	EPA 537 Version 1.1 Modified	1	19176001	06/26/2019 14:03	Danielle D McCully	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19176001	06/25/2019 09:10	Courtney J Fatta	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-5D (320-51427-2MS) Water
Pace PFAS TestingTestAmerica Sacramento
ELLE Sample #: WW 1085294
ELLE Group #: 2049928
Matrix: Water

Project Name: Pace PFAS Testing

Submittal Date/Time: 06/20/2019 11:10
Collection Date/Time: 06/12/2019 08:46
SDG#: TAC08-02MS

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous	EPA 537 Version 1.1 Modified		ng/l	ng/l	ng/l	
14473	6:2-Fluorotelomersulfonic acid ¹	27619-97-2	18	1.0	2.0	1
14473	8:2-Fluorotelomersulfonic acid ¹	39108-34-4	19	2.0	6.0	1
14473	NEtFOSAA ¹	2991-50-6	7.3	1.0	3.0	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14473	NMeFOSAA ¹	2355-31-9	6.8	1.0	3.0	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14473	Perfluorobutanesulfonic acid ¹	375-73-5	5.6	0.30	1.0	1
14473	Perfluorobutanoic Acid ¹	375-22-4	9.2	2.0	6.0	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	5.2	0.60	2.0	1
14473	Perfluorodecanoic Acid ¹	335-76-2	6.1	0.90	2.0	1
14473	Perfluorododecanoic Acid ¹	307-55-1	7.1	0.50	2.0	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	5.7	0.40	2.0	1
14473	Perfluoroheptanoic Acid ¹	375-85-9	7.2	0.40	1.0	1
14473	Perfluorohexanesulfonic acid ¹	355-46-4	5.9	0.40	2.0	1
14473	Perfluorohexanoic Acid ¹	307-24-4	6.8	0.40	2.0	1
14473	Perfluorononanoic Acid ¹	375-95-1	6.9	0.40	2.0	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	6.5	0.50	3.0	1
14473	Perfluorooctanesulfonic acid ¹	1763-23-1	6.2	0.40	2.0	1
14473	Perfluorooctanoic Acid ¹	335-67-1	7.3	0.30	1.0	1
14473	Perfluoropentanoic Acid ¹	2706-90-3	6.8	2.0	6.0	1
14473	Perfluorotetradecanoic Acid ¹	376-06-7	6.4	0.30	1.0	1
14473	Perfluorotridecanoic Acid ¹	72629-94-8	6.5	0.40	1.0	1
14473	Perfluoroundecanoic Acid ¹	2058-94-8	6.7	0.40	2.0	1

The recovery for the labeled compound used as extraction standard is outside the QC acceptance limits as noted on the QC Summary. The recovery for the labeled compound used as extraction standard is also outside the QC acceptance limits in the associated matrix spike and matrix spike duplicate, indicating a matrix effect.

Sample Comments

¹ = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14473	21 PFAS	EPA 537 Version 1.1 Modified	1	19176001	06/26/2019 14:12	Danielle D McCully	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19176001	06/25/2019 09:10	Courtney J Fatta	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-5D (320-51427-2MSD) Water
Pace PFAS Testing

TestAmerica Sacramento
ELLE Sample #: WW 1085295
ELLE Group #: 2049928
Matrix: Water

Project Name: Pace PFAS Testing

Submittal Date/Time: 06/20/2019 11:10
Collection Date/Time: 06/12/2019 08:46
SDG#: TAC08-02MSD

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous		EPA 537 Version 1.1 Modified	ng/l	ng/l	ng/l	
14473	6:2-Fluorotelomersulfonic acid ¹	27619-97-2	18	1.0	2.0	1
14473	8:2-Fluorotelomersulfonic acid ¹	39108-34-4	20	2.0	6.0	1
14473	NEtFOSAA ¹	2991-50-6	6.4	1.0	3.0	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14473	NMeFOSAA ¹	2355-31-9	6.0	1.0	3.0	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14473	Perfluorobutanesulfonic acid ¹	375-73-5	5.7	0.30	1.0	1
14473	Perfluorobutanoic Acid ¹	375-22-4	9.2	2.0	6.0	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	5.1	0.60	2.0	1
14473	Perfluorodecanoic Acid ¹	335-76-2	6.1	0.90	2.0	1
14473	Perfluorododecanoic Acid ¹	307-55-1	7.1	0.50	2.0	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	5.7	0.40	2.0	1
14473	Perfluoroheptanoic Acid ¹	375-85-9	6.7	0.40	1.0	1
14473	Perfluorohexanesulfonic acid ¹	355-46-4	5.4	0.40	2.0	1
14473	Perfluorohexanoic Acid ¹	307-24-4	6.3	0.40	2.0	1
14473	Perfluorononanoic Acid ¹	375-95-1	6.7	0.40	2.0	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	6.3	0.50	3.0	1
14473	Perfluorooctanesulfonic acid ¹	1763-23-1	5.7	0.40	2.0	1
14473	Perfluorooctanoic Acid ¹	335-67-1	7.2	0.30	1.0	1
14473	Perfluoropentanoic Acid ¹	2706-90-3	6.5	2.0	6.0	1
14473	Perfluorotetradecanoic Acid ¹	376-06-7	7.2	0.30	1.0	1
14473	Perfluorotridecanoic Acid ¹	72629-94-8	6.4	0.40	1.0	1
14473	Perfluoroundecanoic Acid ¹	2058-94-8	7.5	0.40	2.0	1

The recovery for the labeled compound used as extraction standard is outside the QC acceptance limits as noted on the QC Summary. The recovery for the labeled compound used as extraction standard is also outside the QC acceptance limits in the associated matrix spike and matrix spike duplicate, indicating a matrix effect.

Sample Comments

¹ = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14473	21 PFAS	EPA 537 Version 1.1 Modified	1	19176001	06/26/2019 14:22	Danielle D McCully	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19176001	06/25/2019 09:10	Courtney J Fatta	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-6S (320-51427-3) Water
Pace PFAS Testing

TestAmerica Sacramento
ELLE Sample #: WW 1085296
ELLE Group #: 2049928
Matrix: Water

Project Name: Pace PFAS Testing

Submittal Date/Time: 06/20/2019 11:10
Collection Date/Time: 06/12/2019 10:46
SDG#: TAC08-03

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified			ng/l	ng/l	ng/l	
14473	6:2-Fluorotelomersulfonic acid ¹	27619-97-2	1.4 J	0.98	2.0	1
14473	8:2-Fluorotelomersulfonic acid ¹	39108-34-4	N.D.	2.0	5.9	1
14473	NEtFOSAA ¹	2991-50-6	N.D.	0.98	2.9	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14473	NMeFOSAA ¹	2355-31-9	N.D.	0.98	2.9	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14473	Perfluorobutanesulfonic acid ¹	375-73-5	N.D.	0.29	0.98	1
14473	Perfluorobutanoic Acid ¹	375-22-4	5.1 J	2.0	5.9	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	N.D.	0.59	2.0	1
14473	Perfluorodecanoic Acid ¹	335-76-2	N.D.	0.88	2.0	1
14473	Perfluorododecanoic Acid ¹	307-55-1	N.D.	0.49	2.0	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	N.D.	0.39	2.0	1
14473	Perfluoroheptanoic Acid ¹	375-85-9	N.D.	0.39	0.98	1
14473	Perfluorohexanesulfonic acid ¹	355-46-4	N.D.	0.39	2.0	1
14473	Perfluorohexanoic Acid ¹	307-24-4	N.D.	0.39	2.0	1
14473	Perfluorononanoic Acid ¹	375-95-1	N.D.	0.39	2.0	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	N.D.	0.49	2.9	1
14473	Perfluorooctanesulfonic acid ¹	1763-23-1	N.D.	0.39	2.0	1
14473	Perfluorooctanoic Acid ¹	335-67-1	N.D.	0.29	0.98	1
14473	Perfluoropentanoic Acid ¹	2706-90-3	N.D.	2.0	5.9	1
14473	Perfluorotetradecanoic Acid ¹	376-06-7	N.D.	0.29	0.98	1
14473	Perfluorotridecanoic Acid ¹	72629-94-8	N.D.	0.39	0.98	1
14473	Perfluoroundecanoic Acid ¹	2058-94-8	N.D.	0.39	2.0	1

Sample Comments

¹ = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14473	21 PFAS	EPA 537 Version 1.1 Modified	1	19176001	06/26/2019 14:31	Danielle D McCully	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19176001	06/25/2019 09:10	Courtney J Fatta	1

*=This limit was used in the evaluation of the final result

Sample Description: FIELD DUPLICATE (MW-5S) (320-51427-4) Water
Pace PFAS Testing

TestAmerica Sacramento
ELLE Sample #: WW 1085297
ELLE Group #: 2049928
Matrix: Water

Project Name: Pace PFAS Testing

Submittal Date/Time: 06/20/2019 11:10
Collection Date/Time: 06/12/2019 08:30
SDG#: TAC08-04FD

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous		EPA 537 Version 1.1 Modified	ng/l	ng/l	ng/l	
14473	6:2-Fluorotelomersulfonic acid ¹	27619-97-2	1.5 J	1.0	2.0	1
14473	8:2-Fluorotelomersulfonic acid ¹	39108-34-4	N.D.	2.0	6.0	1
14473	NEtFOSAA ¹	2991-50-6	4.5	1.0	3.0	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14473	NMeFOSAA ¹	2355-31-9	N.D.	1.0	3.0	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14473	Perfluorobutanesulfonic acid ¹	375-73-5	2.1	0.30	1.0	1
14473	Perfluorobutanoic Acid ¹	375-22-4	9.1	2.0	6.0	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	N.D.	0.60	2.0	1
14473	Perfluorodecanoic Acid ¹	335-76-2	N.D.	0.90	2.0	1
14473	Perfluorododecanoic Acid ¹	307-55-1	N.D.	0.50	2.0	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	0.58 J	0.40	2.0	1
14473	Perfluoroheptanoic Acid ¹	375-85-9	3.4	0.40	1.0	1
14473	Perfluorohexanesulfonic acid ¹	355-46-4	3.5	0.40	2.0	1
14473	Perfluorohexanoic Acid ¹	307-24-4	6.2	0.40	2.0	1
14473	Perfluorononanoic Acid ¹	375-95-1	N.D.	0.40	2.0	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	N.D.	0.50	3.0	1
14473	Perfluorooctanesulfonic acid ¹	1763-23-1	20	0.40	2.0	1
14473	Perfluorooctanoic Acid ¹	335-67-1	13	0.30	1.0	1
14473	Perfluoropentanoic Acid ¹	2706-90-3	3.0 J	2.0	6.0	1
14473	Perfluorotetradecanoic Acid ¹	376-06-7	N.D.	0.30	1.0	1
14473	Perfluorotridecanoic Acid ¹	72629-94-8	N.D.	0.40	1.0	1
14473	Perfluoroundecanoic Acid ¹	2058-94-8	N.D.	0.40	2.0	1

Sample Comments

¹ = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14473	21 PFAS	EPA 537 Version 1.1 Modified	1	19176001	06/26/2019 14:49	Danielle D McCully	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19176001	06/25/2019 09:10	Courtney J Fatta	1

*=This limit was used in the evaluation of the final result

Sample Description: EQUIPMENT BLANK (320-51427-5) Water
Pace PFAS Testing

TestAmerica Sacramento
ELLE Sample #: WW 1085298
ELLE Group #: 2049928
Matrix: Water

Project Name: Pace PFAS Testing

Submittal Date/Time: 06/20/2019 11:10
Collection Date/Time: 06/12/2019 09:04
SDG#: TAC08-05EB

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous		EPA 537 Version 1.1 Modified	ng/l	ng/l	ng/l	
14473	6:2-Fluorotelomersulfonic acid ¹	27619-97-2	0.99 J	0.94	1.9	1
14473	8:2-Fluorotelomersulfonic acid ¹	39108-34-4	N.D.	1.9	5.7	1
14473	NEtFOSAA ¹	2991-50-6	N.D.	0.94	2.8	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14473	NMeFOSAA ¹	2355-31-9	N.D.	0.94	2.8	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14473	Perfluorobutanesulfonic acid ¹	375-73-5	N.D.	0.28	0.94	1
14473	Perfluorobutanoic Acid ¹	375-22-4	N.D.	1.9	5.7	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	N.D.	0.57	1.9	1
14473	Perfluorodecanoic Acid ¹	335-76-2	N.D.	0.85	1.9	1
14473	Perfluorododecanoic Acid ¹	307-55-1	N.D.	0.47	1.9	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	N.D.	0.38	1.9	1
14473	Perfluoroheptanoic Acid ¹	375-85-9	N.D.	0.38	0.94	1
14473	Perfluorohexanesulfonic acid ¹	355-46-4	N.D.	0.38	1.9	1
14473	Perfluorohexanoic Acid ¹	307-24-4	N.D.	0.38	1.9	1
14473	Perfluorononanoic Acid ¹	375-95-1	N.D.	0.38	1.9	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	N.D.	0.47	2.8	1
14473	Perfluorooctanesulfonic acid ¹	1763-23-1	N.D.	0.38	1.9	1
14473	Perfluorooctanoic Acid ¹	335-67-1	N.D.	0.28	0.94	1
14473	Perfluoropentanoic Acid ¹	2706-90-3	N.D.	1.9	5.7	1
14473	Perfluorotetradecanoic Acid ¹	376-06-7	N.D.	0.28	0.94	1
14473	Perfluorotridecanoic Acid ¹	72629-94-8	N.D.	0.38	0.94	1
14473	Perfluoroundecanoic Acid ¹	2058-94-8	N.D.	0.38	1.9	1

Sample Comments

¹ = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14473	21 PFAS	EPA 537 Version 1.1 Modified	1	19176001	06/26/2019 14:58	Danielle D McCully	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19176001	06/25/2019 09:10	Courtney J Fatta	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: TestAmerica Sacramento
Reported: 07/03/2019 15:35

Group Number: 2049928

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result ng/l	MDL** ng/l	LOQ ng/l
Batch number: 19176001	Sample number(s): 1085292-1085298		
6:2-Fluorotelomersulfonic acid	N.D.	1.0	2.0
8:2-Fluorotelomersulfonic acid	N.D.	2.0	6.0
NEtFOSAA	N.D.	1.0	3.0
NMeFOSAA	N.D.	1.0	3.0
Perfluorobutanesulfonic acid	N.D.	0.30	1.0
Perfluorobutanoic Acid	N.D.	2.0	6.0
Perfluorodecanesulfonic acid	N.D.	0.60	2.0
Perfluorodecanoic Acid	N.D.	0.90	2.0
Perfluorododecanoic Acid	N.D.	0.50	2.0
Perfluoroheptanesulfonic acid	N.D.	0.40	2.0
Perfluoroheptanoic Acid	N.D.	0.40	1.0
Perfluorohexanesulfonic acid	N.D.	0.40	2.0
Perfluorohexanoic Acid	N.D.	0.40	2.0
Perfluorononanoic Acid	N.D.	0.40	2.0
Perfluorooctanesulfonamide	N.D.	0.50	3.0
Perfluorooctanesulfonic acid	N.D.	0.40	2.0
Perfluorooctanoic Acid	N.D.	0.30	1.0
Perfluoropentanoic Acid	N.D.	2.0	6.0
Perfluorotetradecanoic Acid	N.D.	0.30	1.0
Perfluorotridecanoic Acid	N.D.	0.40	1.0
Perfluoroundecanoic Acid	N.D.	0.40	2.0

LCS/LCSD

Analysis Name	LCS Spike Added ng/l	LCS Conc ng/l	LCSD Spike Added ng/l	LCSD Conc ng/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 19176001	Sample number(s): 1085292-1085298								
6:2-Fluorotelomersulfonic acid	15.17	17.13			113		66-155		
8:2-Fluorotelomersulfonic acid	15.33	19.19			125		66-148		
NEtFOSAA	5.44	5.87			108		55-169		
NMeFOSAA	5.44	6.50			120		44-147		
Perfluorobutanesulfonic acid	4.81	5.67			118		73-128		
Perfluorobutanoic Acid	5.44	6.44			118		74-142		
Perfluorodecanesulfonic acid	5.24	5.84			111		60-135		
Perfluorodecanoic Acid	5.44	5.87			108		69-148		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

5

Client Name: TestAmerica Sacramento
Reported: 07/03/2019 15:35

Group Number: 2049928

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ng/l	LCS Conc ng/l	LCSD Spike Added ng/l	LCSD Conc ng/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Perfluorododecanoic Acid	5.44	7.03			129		75-136		
Perfluoroheptanesulfonic acid	5.18	5.62			109		64-135		
Perfluoroheptanoic Acid	5.44	6.41			118		76-140		
Perfluorohexanesulfonic acid	5.14	5.16			100		71-131		
Perfluorohexanoic Acid	5.44	6.04			111		75-135		
Perfluorononanoic Acid	5.44	5.89			108		72-148		
Perfluorooctanesulfonamide	5.44	5.65			104		65-164		
Perfluorooctanesulfonic acid	5.20	5.25			101		67-138		
Perfluorooctanoic Acid	5.44	6.34			117		72-138		
Perfluoropentanoic Acid	5.44	5.73			105		74-134		
Perfluorotetradecanoic Acid	5.44	6.76			124		74-135		
Perfluorotridecanoic Acid	5.44	6.85			126		61-145		
Perfluoroundecanoic Acid	5.44	6.56			121		75-146		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ng/l	MS Spike Added ng/l	MS Conc ng/l	MSD Spike Added ng/l	MSD Conc ng/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 19176001	Sample number(s): 1085292-1085298 UNSPK: 1085293									
6:2-Fluorotelomersulfonic acid	1.04	15.25	18	15.22	18.48	111	115	70-130	3	30
8:2-Fluorotelomersulfonic acid	N.D.	15.41	19.23	15.38	19.95	125	130	60-150	4	30
NEtFOSAA	N.D.	5.47	7.28	5.46	6.45	133	118	49-159	12	30
NMeFOSAA	N.D.	5.47	6.75	5.46	6.03	124	111	58-157	11	30
Perfluorobutanesulfonic acid	N.D.	4.84	5.58	4.83	5.68	115	118	73-134	2	30
Perfluorobutanoic Acid	N.D.	5.47	9.17	5.46	9.20	168*	169*	58-155	0	30
Perfluorodecanesulfonic acid	N.D.	5.27	5.19	5.26	5.13	98	98	41-148	1	30
Perfluorodecanoic Acid	N.D.	5.47	6.05	5.46	6.15	111	113	73-142	2	30
Perfluorododecanoic Acid	N.D.	5.47	7.06	5.46	7.10	129	130	76-136	1	30
Perfluoroheptanesulfonic acid	N.D.	5.20	5.70	5.19	5.72	110	110	50-145	0	30
Perfluoroheptanoic Acid	N.D.	5.47	7.17	5.46	6.67	131	122	67-137	7	30
Perfluorohexanesulfonic acid	N.D.	5.17	5.92	5.16	5.42	115	105	73-129	9	30
Perfluorohexanoic Acid	N.D.	5.47	6.75	5.46	6.28	123	115	70-130	7	30
Perfluorononanoic Acid	N.D.	5.47	6.89	5.46	6.67	126	122	70-130	3	30
Perfluorooctanesulfonamide	N.D.	5.47	6.45	5.46	6.25	118	115	70-130	3	30
Perfluorooctanesulfonic acid	0.780	5.23	6.19	5.22	5.74	104	95	48-154	8	30
Perfluorooctanoic Acid	0.547	5.47	7.25	5.46	7.21	123	122	48-160	1	30
Perfluoropentanoic Acid	N.D.	5.47	6.83	5.46	6.53	125	120	53-161	4	30
Perfluorotetradecanoic Acid	N.D.	5.47	6.37	5.46	7.16	116	131	78-133	12	30
Perfluorotridecanoic Acid	N.D.	5.47	6.49	5.46	6.39	119	117	57-151	2	30

*- Outside of specification

**-This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

5

Client Name: TestAmerica Sacramento
Reported: 07/03/2019 15:35

Group Number: 2049928

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ng/l	MS Spike Added ng/l	MS Conc ng/l	MSD Spike Added ng/l	MSD Conc ng/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Perfluoroundecanoic Acid	N.D.	5.47	6.72	5.46	7.53	123	138*	66-137	11	30

Labeled Isotope Quality Control

Labeled isotope recoveries which are outside of the QC window are confirmed unless otherwise noted on the analysis report.

Analysis Name: 21 PFAS
Batch number: 19176001

	13C4-PFBA	13C5-PFPeA	13C3-PFBS	13C5-PFHxA	13C3-PFHxS	13C4-PFHpA
1085292	87	88	88	81	88	93
1085293	82	92	87	81	80	84
1085294	73	80	72	74	67	73
1085295	81	86	80	87	85	90
1085296	84	88	90	85	87	88
1085297	82	87	93	79	86	83
1085298	77	84	71	80	84	83
Blank	79	84	78	84	82	79
LCS	84	90	83	87	88	81
MS	73	80	72	74	67	73
MSD	81	86	80	87	85	90
Limits:	33-123	31-157	26-148	35-138	34-126	35-126
	13C2-6:2-FTS	13C8-PFOA	13C8-PFOS	13C9-PFNA	13C6-PFDA	13C2-8:2-FTS
1085292	235*	81	82	88	84	124
1085293	255*	84	85	94	94	157
1085294	226*	70	66	76	68	114
1085295	177*	79	82	87	81	120
1085296	110	84	83	86	79	97
1085297	147	84	81	83	81	98
1085298	88	85	82	79	80	89
Blank	88	82	78	81	81	77
LCS	90	83	85	87	88	90
MS	226*	70	66	76	68	114
MSD	177*	79	82	87	81	120
Limits:	32-170	48-122	50-121	41-144	47-125	27-164

*- Outside of specification

**--This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: TestAmerica Sacramento
Reported: 07/03/2019 15:35

Group Number: 2049928

Labeled Isotope Quality Control (continued)

Labeled isotope recoveries which are outside of the QC window are confirmed unless otherwise noted on the analysis report.

Analysis Name: 21 PFAS
Batch number: 19176001

	d3-NMeFOSAA	13C7-PFUnDA	d5-NEtFOSAA	13C2-PFDoDA	13C2-PFTeDA	13C8-PFOA
1085292	80	74	84	60	43	42
1085293	74	65	84	61	56	59
1085294	63	57	66	51	47	53
1085295	79	61	83	66	54	62
1085296	67	65	74	64	47	65
1085297	85	70	76	67	36	58
1085298	81	76	78	70	66	64
Blank	80	78	86	72	61	67
LCS	85	77	85	71	67	74
MS	63	57	66	51	47	53
MSD	79	61	83	66	54	62
Limits:	30-127	30-128	30-142	39-130	26-119	11-127

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

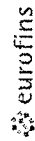
(2) The unspiked result was more than four times the spike added.

Eurofins TestAmerica, Sacramento

880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

01042/2049928/1085292-98

Chain of Custody Record



Environment Testing
TestAmerica



Client Information (Sub Contract Lab) Client Contact: _____ Shipping/Receiving: _____ Company: Eurofins Lancaster Laboratories Env LLC		Sampler: _____ Phone: _____ Lab PM: Cortes, Cesar C E-Mail: cesar.cortes@testamericainc.com	Carrier Tracking No(s): _____ State of Origin: New York Page 1 of 1	Job #: 320-51427-1 Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - ASNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other: _____					
Due Date Requested: 6/28/2019 TAT Requested (days): _____ PO #: _____ WO #: _____ Project #: 32010619 SSOW#: _____		Analysis Requested Accreditation Required (See note): NELAP - New York							
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, B=biomass, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (General Subcontract Method)	Total Number of Containers	Special Instructions/Note:
MW-5S (320-51427-1)	6/12/19	08:30 Eastern		Water	X	X		2	
MW-5D (320-51427-2)	6/12/19	08:46 Eastern		Water	X	X		2	
MW-5D (320-51427-2MS)	6/12/19	08:46 Eastern	MS	Water	X	X		2	
MW-5D (320-51427-2MSD)	6/12/19	08:46 Eastern	MSD	Water	X	X		2	
MW-6S (320-51427-3)	6/12/19	10:46 Eastern		Water	X	X		2	
FIELD DUPLICATE (MW-5S) (320-51427-4)	6/12/19	08:30 Eastern		Water	X	X		2	
EQUIPMENT BLANK (320-51427-5)	6/12/19	09:04 Eastern		Water	X	X		2	
Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.									
Possible Hazard Identification Unconfirmed _____ Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements: _____				
Empty Kit Relinquished by: _____ Date: _____ Relinquished by: _____ Date/Time: 6/19/19 16:30 Company: BTA-SAC Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____					Method of Shipment: _____ Received by: _____ Date/Time: _____ Company: _____ Received by: _____ Date/Time: _____ Company: _____ Received by: _____ Date/Time: 6/20-19 11:10 Company: BUE				
Custody Seals Intact: ☒ Yes ☐ No Custody Seal No.: _____					Order Temperature(s) °C and Other Remarks: _____				

Sample Administration Receipt Documentation Log

Doc Log ID: 252033



Group Number(s): 2049928

Client: TESTAMERICA, SACRAMENTO

Delivery and Receipt Information

Delivery Method:	<u>Fed-Ex 3</u>	Arrival Timestamp:	<u>06/20/2019 11:10</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>NY</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace $\geq$ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Darian Jaynes (29952) at 16:13 on 06/20/2019

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	3.0	DT	Wet	Y	Loose/Bag	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mL	milliliter(s)
C	degrees Celsius	MPN	Most Probable Number
cfu	colony forming units	N.D.	non-detect
CP Units	cobalt-chloroplatinate units	ng	nanogram(s)
F	degrees Fahrenheit	NTU	nephelometric turbidity units
g	gram(s)	pg/L	picogram/liter
IU	International Units	RL	Reporting Limit
kg	kilogram(s)	TNTC	Too Numerous To Count
L	liter(s)	µg	microgram(s)
lb.	pound(s)	µL	microliter(s)
m3	cubic meter(s)	umhos/cm	micromhos/cm
meq	milliequivalents	MCL	Maximum Contamination Limit
mg	milligram(s)		
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value $\geq$ the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
P^	Concentration difference between the primary and confirmation column $>40\%$. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.

Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Login Sample Receipt Checklist

Client: Pace Analytical Services, LLC

Job Number: 320-51427-1

SDG Number: 7093484

Login Number: 51427

List Number: 1

Creator: Oropeza, Salvador

List Source: Eurofins TestAmerica, Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

7

Appendix E

Landfill Gas Sampling

Town of Van Buren Landfill (CLOSED)

Gas Vent Survey Log

Logged By:	Cassie Dunbar and Kristopher Mann
Temperature (°F)	70degF, Sunny, Low Wind Conditions
Instrument Model:	Gas Detector Model: 7291

Date	Gas Monitoring Vent Location	Gas Reading (PPM)	Comments
6/11/2019	GV-1	>640	Strong Odor
6/11/2019	GV-2	>640	
6/11/2019	GV-3	>640	
6/11/2019	GV-4	>640	
6/11/2019	GV-5	>640	Strong Odor
6/11/2019	GV-6	>640	
6/11/2019	GV-7	>640	Strong Odor
6/11/2019	GV-8	>640	
6/11/2019	GV-9	>640	
6/11/2019	GV-10	>640	Strong Odor
6/11/2019	GV-11	>640	
6/11/2019	GV-12	>640	Strong Odor
6/11/2019	GV-13	>640	
6/11/2019	GV-14	>640	Strong Odor
6/11/2019	GV-15	>640	
6/11/2019	GV-16	>640	
6/11/2019	GV-17	>640	
6/11/2019	GV-18	>640	
6/11/2019	GV-19	>640	Strong Odor
6/11/2019	GV-20	640	
6/11/2019	GV-21	80	
6/11/2019	GV-22	>640	Strong Odor
6/11/2019	GV-23	>640	
6/11/2019	GV-24	>640	Strong Odor
6/11/2019	GV-25	>640	
6/11/2019	GV-26	>640	
6/11/2019	GV-27	80	
6/11/2019	GV-28	>640	
6/11/2019	GV-29	>640	
6/11/2019	GV-30	20	

Notes:	ND = Not Detected
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Town of Van Buren Landfill (CLOSED)

Gas Vent Survey Log

Logged By: Cassie Dunbar and Kristopher Mann
Temperature (°F) 70degF, Sunny, Low Wind Conditions
Instrument Model: Gas Detector Model: 7291

Date	Gas Monitoring Point Location	Gas Reading (PPM)	Comments
6/11/2019	GP-1	ND (<40)	
6/11/2019	GP-2	ND (<40)	
6/11/2019	GP-3	ND (<40)	
6/11/2019	GP-4	ND (<40)	
6/11/2019	GP-5	ND (<40)	
6/11/2019	GP-6	ND (<40)	
6/11/2019	GP-7	ND (<40)	
6/11/2019	GP-8	ND (<40)	
6/11/2019	GP-9	ND (<40)	
6/11/2019	GP-10	ND (<40)	
6/11/2019	GP-11	ND (<40)	
6/11/2019	GP-12	ND (<40)	
6/11/2019	GP-13	ND (<40)	
6/11/2019	GP-14	ND (<40)	
6/11/2019	GP-15	ND (<40)	
6/11/2019	GP-16	ND (<40)	
6/11/2019	GP-17	ND (<40)	
6/11/2019	GP-18	ND (<40)	
6/11/2019	GP-19	ND (<40)	
6/11/2019	GP-20	ND (<40)	
6/11/2019	GP-21	ND (<40)	
6/11/2019	GP-22	ND (<40)	
6/11/2019	GP-23	ND (<40)	
6/11/2019	GP-24	ND (<40)	
6/11/2019	GP-25	ND (<40)	
6/11/2019	GP-26	ND (<40)	
6/11/2019	GP-27	ND (<40)	
6/11/2019	GP-28	ND (<40)	
6/11/2019	GP-29	ND (<40)	
6/11/2019	GP-30	ND (<40)	
6/11/2019	GP-31	ND (<40)	
6/11/2019	GP-32	ND (<40)	
6/11/2019	GP-33	ND (<40)	
6/11/2019	GP-34	ND (<40)	
6/11/2019	GP-35	ND (<40)	
6/11/2019	GP-36	ND (<40)	
6/11/2019	GP-37	ND (<40)	
6/11/2019	GP-38	ND (<40)	
6/11/2019	GP-39	ND (<40)	
6/11/2019	GP-40	ND (<40)	

Notes: ND = Not Detected

Enalytic, LLC

Analytical Testing Laboratory

"30 years of science and customer service experience supporting our clients' ever-changing analytical needs"

Shipping: 6034 Corporate Drive * East Syracuse, NY 13057

Mailing: P.O. Box 289 * Syracuse, NY 13206

Phone: (315) 437-0255 * Fax: (315) 437-1209

Landfill Gas Monitoring - Calibration Form

Date: June 11, 2019

Facility Name: Town of Van Buren Landfill

Site Location: Kingdom Road, Van Buren NY

Sampling Personnel: Cassie Dunbar and Kristopher Mann

Instrument Used: Gas Detector Model 7291

Standard Used: 100 ppm Methane Gas and 1000 ppm Methane Gas

Enalytic Lot#: S-409 (100 ppm) and S-412 (1000 ppm)

Calibrated at room temperature.

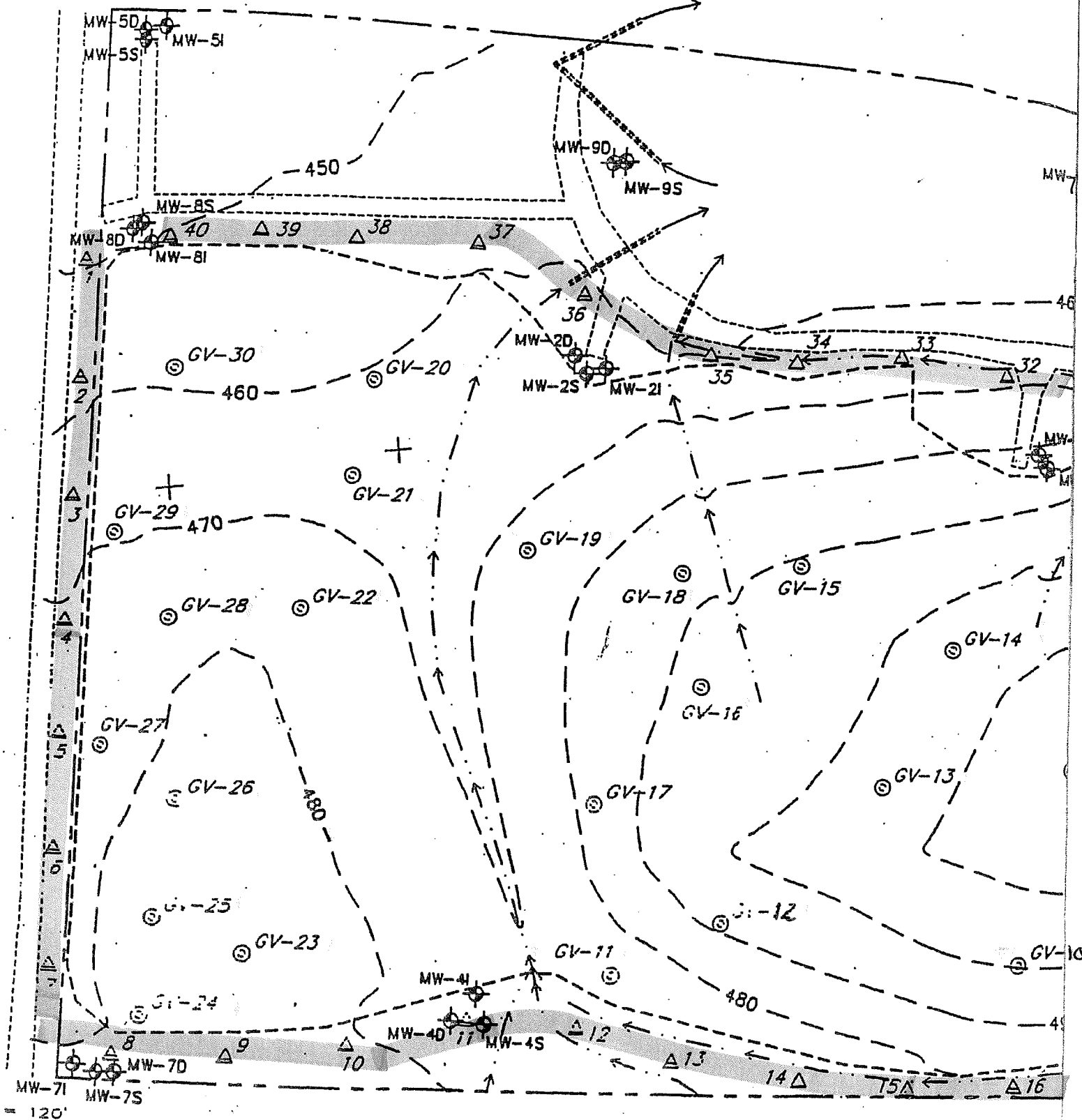
Standard Used	Concentration	Initial Reading	Final Reading	Notes
Methane Gas	100 ppm	100 ppm	----	no adjustment made
Methane Gas	1,000 ppm	> 640 ppm	----	no adjustment made

Signed: Peter Fricano
Peter Fricano, Project Manager

Date: 6-11-2019

RW-C

RW-B



SITE PLAN

TOWN OF VAN BUREN LANDFILL

TOWN OF VAN BUREN ONONDAGA COUNTY
STATE OF NEW YORK

DATE NOVEMBER, 1995

LEGEND	
	DRAINAGE CHANNEL
	LIMIT OF COVER SYSTEM
	CULVERT
	PROPERTY LINE
	MW-80 MONITORING WELL
	GV-11 GAS VENT
	EXPLOSIVE GAS SURVEY POINT
	ACCESS ROAD

NOTE:
MONITORING WELL CLUSTERS 11 & 12
ARE LOCATED OUTSIDE LIMITS OF DRAWING

