



Town of Van Buren

Kingdom Road Landfill (Closed)

Environmental Monitoring Report

2010 Fourth Quarter

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

Sample Collection Information

Sampling Firm: Upstate Laboratories, Inc. (ULI)

Sampling Date(s): October 10, 2010, November 18, 2010, and February 15, 2011

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: Upstate Laboratories, Inc. (ULI)
Box 289
Syracuse, New York 13206
NYSDOH I.D. # 10170

Test Reports: Fourth Quarter Report: #U1010420, #U1011406

2010 Parameters Tested:

- All monitoring well locations were analyzed for 1988 NYSDEC Part 360 routine Parameters.
- All residential locations were analyzed for 1988 NYSDEC Part 360 Routine 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
2010	-	_*	-	R
2011	-	B	-	_*
2012	-	_*	-	R
2013	-	R	-	_*
2014	-	_*	-	B
2015	-	R	-	_*

Notes:

R = 1988 NYSDEC Part 360 Routine Parameters

B = 1988 NYSDEC Part 360 Baseline Parameters

- = Sampling not required

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

Assessment of Monitoring Results

Introduction

This report represents the results of environmental monitoring performed during the Fourth Quarter 2010 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 Upstate Laboratories, Inc. (ULI), of Syracuse, New York was responsible for the collection of landfill gas and groundwater samples during the Fourth Quarter 2010, and ULI was also 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 completed in the underlying bedrock aquifer. The groundwater samples from these wells are designated as RW-A, RW-B, and RW-C, and are collected from the Miller, Nolan, and Davis residences, respectively.

Groundwater (Overburden)

The 2010 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 upgradient monitoring well (MW-6S) and to applicable water quality standards. Table 1 summarizes the monitoring well locations and parameters that exceed water quality standards during the

Fourth Quarter 2010 sampling event. As discussed below, the overburden groundwater quality results for the Fourth Quarter of 2010 are generally consistent with historical levels.

Upgradient monitoring well MW-6S represents the naturally occurring water quality in the overburden deposits at the landfill site. During the Fourth Quarter of 2010, the parameters detected above NYSDEC Part 703 groundwater standards at this upgradient groundwater monitoring location include turbidity and total magnesium. The detection of these naturally occurring constituents above the applicable groundwater standards are consistent with historical data for this location.

The three monitoring locations (MW-5S, MW-8S, and MW-9S), which represent downgradient water quality for the overburden unit, were noted for exceeding parameters above Part 703 groundwater standards including total dissolved solids, turbidity, and total metals (iron, magnesium, manganese, and sodium). A listing of exceedances at each location is included in Table 1. The overburden unit water quality reported for the Fourth Quarter 2010 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 2010 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 2010 Fourth Quarter monitoring event.

Water quality in the upgradient bedrock monitoring well (MW-6D), which represents background or natural water quality conditions at the landfill site, continues to exceed the applicable groundwater quality standards for turbidity, and total metals iron and magnesium. 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-nitrate, sulfate, total dissolved solids, turbidity and total metals iron magnesium, manganese, and sodium.

The bedrock groundwater quality concentrations reported for the 2010 monitoring event have remained consistent with prior sampling rounds (see Appendix D). Continued monitoring of the water quality in the bedrock unit will allow further assessment to be made regarding the influence of the landfill capping system on the downgradient water quality at the site.

Leachate Seeps

The leachate seep locations which were initially sampled and tested during the First Quarter of 1996 were observed to be dry during the Fourth Quarter of 2010 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 ULI personnel at the closed Town of Van Buren Landfill during the Fourth Quarter of 2010 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 Landtec GEM 2000 Gas Analyzer and Extraction Monitor. Explosive gas readings were collected by inserting a probe attached to the Gasmeter 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 Fourth Quarter 2010 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 Fourth Quarter 2010 results are included in Appendix E.

Residential Wells

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

During the Fourth Quarter of 2010, the residential locations were monitored for 1988 Part 360 routine analysis with additional analysis of VOCs by EPA method 601/602 analysis. The results of this sampling event were generally consistent with historical results with exception of total sodium concentration at all three residences and turbidity, total dissolved solids, iron and sulfate at RW-A. The exceedances of total sodium are likely attributed to a maintenance issue with the water softening system. With the exception of turbidity and iron, the values for RW-A were consistent with historical values obtained.

During the Fourth Quarter monitoring event, the water quality at all three residential locations was comparable to historical data with the exception of parameters treated by the water softening system at RW-A. The water treatment systems at all three residences will be replaced in 2011 based on the age of the existing systems and frequency of maintenance required.

Quality Control

Duplicate Sample Comparison

Precision and accuracy are measurements of reproducibility and the degree to which data approximate true values. Defining acceptance limits for QC measurements associated with all reported data controls these data qualities. The Fourth Quarter data package contains one duplicate sample collected at monitoring location MW-8D. The comparison for the duplicate sample yielded two (2) discrepancies above the established 20% RPD criteria, which were COD (200%) and Sulfate (79.5%).

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

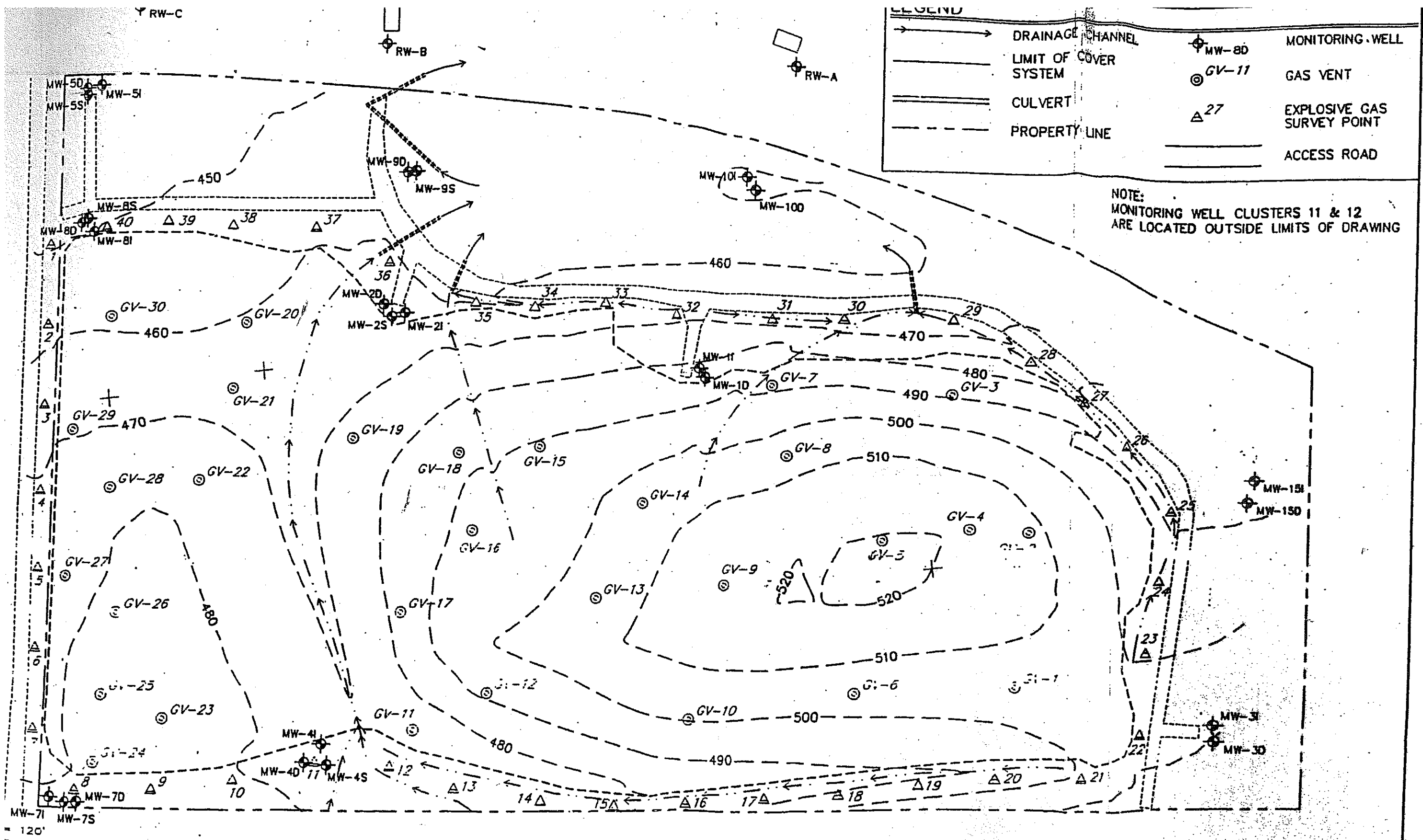
The analytical data collected from the Fourth Quarter was generally closely reproduced. The number of RPD discrepancies has improved compared to previous comparisons since the laboratory reviewed field collection procedures.

The next sampling is scheduled to take place during the Second Quarter of 2011.

TOWN OF VAN BUREN LANDFILL (CLOSED)
TABLE 1 - 2009 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
Ammonia- Nitrogen	2.0 mg/L	---	---	---	---	---	---	---	---		
Sulfate	250 mg/L	---	---	---	---	1530	---	1400	1090		
Total Dissolved Solids	500 mg/L	640	---	670	---	2000	---	2000	2100		
Turbidity	5 NTU	5	6	---	173	26	13	8	23		
Iron- T -D	0.3 mg/L	6.3	---	---	---	4.3	3.5	3.4	2.7		
Magnesium - T -D	[35] mg/L	42	57	49	50	---	49	---	---		
Maganese - T -D	0.3 mg/L	1.3	---	2.2	---	---	---	---	---		
Sodium - T -D	20 mg/L	---	---	---	34	77	---	100	140		

Appendix A



Appendix B

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 6/4/01

Client: **Barton and Loguidice, P.C.**

Project: **VanBuren Landfill**

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

ULI ID No. (enter by lab)

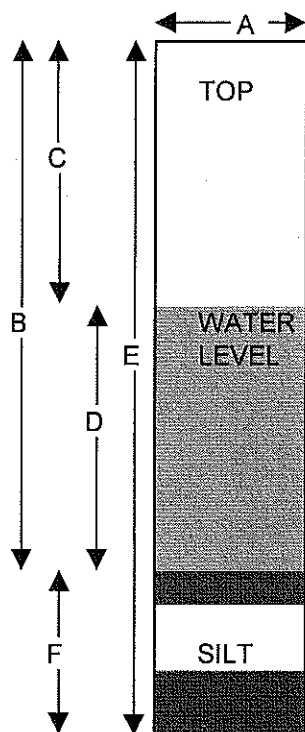
Condition of Well: Good

Locked: No

Method of Evacuation: Bladder Pump

Lock ID: 2532

Method of Sampling: Bladder Pump



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>40</u>	feet
C.	Depth to Water	<u>26.52</u>	feet
D.	Length of Water Column (calculated)	<u>13.48</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>2.1568</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>6.4704</u>	gallons
	Actual Volume Evacuated	<u>6.5</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>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>
Time	<u>3:28 PM</u>	<u>3:32 PM</u>	<u>3:36 PM</u>	<u>3:40 PM</u>	<u>3:44 PM</u>
EH	<u>-80</u>	<u>-71</u>	<u>-68</u>	<u>-61</u>	<u>-49</u>
Temperature	<u>11.1 c</u>	<u>10.8 c</u>	<u>10.7 c</u>	<u>10.5 c</u>	<u>10.4 c</u>
pH	<u>8.16</u>	<u>8.09</u>	<u>8.03</u>	<u>8.01</u>	<u>8.00</u>
Specific Cond.	<u>670</u>	<u>695</u>	<u>720</u>	<u>711</u>	<u>708</u>
Turbidity	<u>111.0</u>	<u>90.6</u>	<u>71.2</u>	<u>34.6</u>	<u>28.7</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>V Cloudy</u>	<u>V Cloudy</u>	<u>Cloudy</u>	<u>Cloudy</u>	<u>Cloudy</u>

% Recharge:

Initial Depth to Water 26.52 feet

Recharge Depth to Water N/A feet

2nd water column height N/A %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation=N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 65* F Sun

Observations:

Sampler:

Dan Aumell

Signature:

Dan Aumell

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 6/4/01

Client: **Barton and Loguidice, P.C.**

Project: **VanBuren Landfill**

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

ULI ID No. (enter by lab)

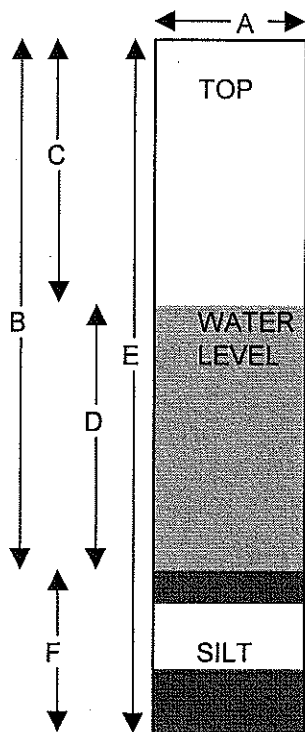
Condition of Well: Good

Locked: No

Method of Evacuation: Bladder Pump

Lock ID: 2532

Method of Sampling: Bladder Pump



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>75.5</u>	feet
C.	Depth to Water	<u>26.90</u>	feet
D.	Length of Water Column (calculated)	<u>48.6</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>7.776</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>23.328</u>	gallons
	Actual Volume Evacuated	<u>22</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>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>
Time	<u>2:56 PM</u>	<u>3:02 PM</u>	<u>3:08 PM</u>	<u>3:14 PM</u>	<u>3:20 PM</u>
EH	<u>129</u>	<u>-21</u>	<u>-26</u>	<u>-17</u>	<u>-14</u>
Temperature	<u>11.9 c</u>	<u>10.7 c</u>	<u>10.4 c</u>	<u>10.2 c</u>	<u>10.1 c</u>
pH	<u>7.69</u>	<u>7.72</u>	<u>7.67</u>	<u>7.62</u>	<u>7.61</u>
Specific Cond.	<u>1940</u>	<u>2010</u>	<u>1904</u>	<u>1901</u>	<u>1879</u>
Turbidity	<u>11.5</u>	<u>10.7</u>	<u>8.23</u>	<u>8.65</u>	<u>7.16</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>SI Cloudy</u>	<u>SI Cloudy</u>	<u>Clear</u>	<u>Clear</u>	<u>Clear</u>

% Recharge:	
Initial Depth to Water	<u>26.90</u> feet
Recharge Depth to Water	<u>N/A</u> feet
2nd water column height	<u>N/A</u> %
1st water column height	

Elevation(Top of Casing)	<u>N/A</u> feet
G.W. Elevation=	<u>N/A</u> feet
G.W.Elevation =Top of Case Elev-Total Depth	

Weather: 65* F Sun

Observations:

Sampler:

Dan Aumell

Signature:

Dan Aumell

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 6/4/01

Client: **Barton and Loguidice, P.C.**

Project: **VanBuren Landfill**

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

ULI ID No. (enter by lab)

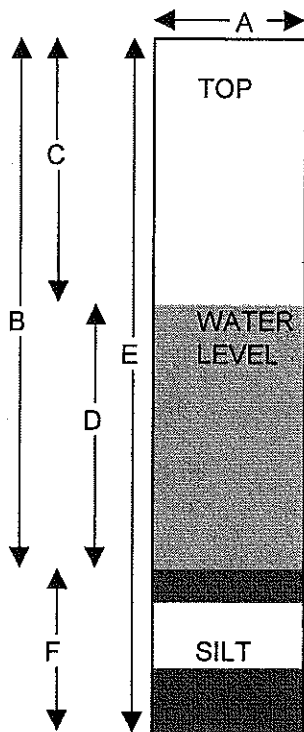
Condition of Well: Good

Locked: Yes

Method of Evacuation: Bladder Pump

Lock ID: 2532

Method of Sampling: Bladder Pump



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>22.5</u>	feet
C.	Depth to Water	<u>9.39</u>	feet
D.	Length of Water Column (calculated)	<u>13.11</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>2.0976</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>6.2928</u>	gallons
	Actual Volume Evacuated	<u>6.5</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>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>
Time	<u>1:40 PM</u>	<u>1:44 PM</u>	<u>1:48 PM</u>	<u>1:52 PM</u>	<u>1:56 PM</u>
EH	<u>103</u>	<u>118</u>	<u>121</u>	<u>129</u>	<u>107</u>
Temperature	<u>14.4 c</u>	<u>14.2 c</u>	<u>14.0 c</u>	<u>13.9 c</u>	<u>13.9 c</u>
pH	<u>7.98</u>	<u>7.92</u>	<u>7.88</u>	<u>7.86</u>	<u>7.85</u>
Specific Cond.	<u>551</u>	<u>576</u>	<u>569</u>	<u>584</u>	<u>612</u>
Turbidity	<u>4.36</u>	<u>6.92</u>	<u>8.74</u>	<u>12.1</u>	<u>9.77</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>SI Cloudy</u>	<u>Clear</u>

% Recharge:	
Initial Depth to Water	<u>9.39</u> feet
Recharge Depth to Water	<u>N/A</u> feet
2nd water column height	<u>N/A</u> %
1st water column height	

Elevation(Top of Casing)	<u>N/A</u> feet
G.W. Elevation=	<u>N/A</u> feet
G.W.Elevation =Top of Case Elev-Total Depth	

Weather: 65* F Sun

Observations:

Sampler:

Dan Aumell

Signature:

Dan Aumell

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 6/4/01

Client: **Barton and Loguidice, P.C.**

Project: **VanBuren Landfill**

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

ULI ID No. (enter by lab)

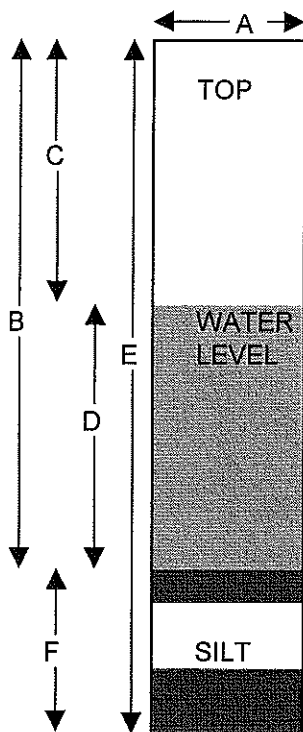
Condition of Well: Good

Locked: Yes

Method of Evacuation: Bladder Pump

Lock ID: 2532

Method of Sampling: Bladder Pump



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>66</u>	feet
C.	Depth to Water	<u>26.01</u>	feet
D.	Length of Water Column (calculated)	<u>39.99</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>6.3984</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>19.1952</u>	gallons
	Actual Volume Evacuated	<u>19.5</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>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>
Time	<u>1:11 PM</u>	<u>1:17 PM</u>	<u>1:22 PM</u>	<u>1:28 PM</u>	<u>1:33 PM</u>
EH	<u>22</u>	<u>29</u>	<u>62</u>	<u>61</u>	<u>58</u>
Temperature	<u>13.4 c</u>	<u>13.2 c</u>	<u>12.7 c</u>	<u>12.7 c</u>	<u>12.6 c</u>
pH	<u>8.06</u>	<u>7.87</u>	<u>7.88</u>	<u>7.91</u>	<u>7.90</u>
Specific Cond.	<u>676</u>	<u>650</u>	<u>648</u>	<u>641</u>	<u>636</u>
Turbidity	<u>310.0</u>	<u>225.0</u>	<u>36.6</u>	<u>9.20</u>	<u>8.71</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>V Cloudy</u>	<u>V Cloudy</u>	<u>Cloudy</u>	<u>Clear</u>	<u>Clear</u>

% Recharge:

Initial Depth to Water 26.01 feet

Recharge Depth to Water N/A feet

2nd water column height N/A %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation=N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 65* F Sun

Observations: Water taken at the initial evacuation, first volume, and second volume, appeared to be slightly orange in color.

Sampler:

Dan Aumell

Signature: Dan Aumell

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 6/4/01

Client: **Barton and Loguidice, P.C.**

Project: **VanBuren Landfill**

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

ULI ID No. (enter by lab)

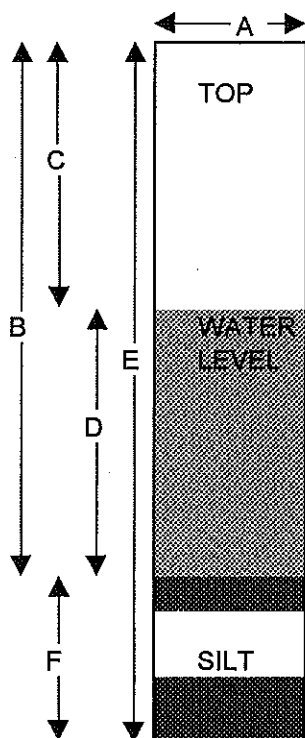
Condition of Well: Good

Locked: No

Method of Evacuation: Bladder Pump

Lock ID: 2532

Method of Sampling: Bladder Pump



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>44</u>	feet
C.	Depth to Water	<u>29.38</u>	feet
D.	Length of Water Column (calculated)	<u>14.62</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>2.3392</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>7.0176</u>	gallons
	Actual Volume Evacuated	<u>7</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>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>
Time	<u>10:30 AM</u>	<u>10:34 AM</u>	<u>10:38 AM</u>	<u>10:41 AM</u>	<u>10:44 AM</u>
EH	<u>56</u>	<u>57</u>	<u>60</u>	<u>74</u>	<u>78</u>
Temperature	<u>11.5 c</u>	<u>10.7 c</u>	<u>10.2 c</u>	<u>10.0 c</u>	<u>10.0 c</u>
pH	<u>7.51</u>	<u>7.42</u>	<u>7.44</u>	<u>7.38</u>	<u>7.37</u>
Specific Cond.	<u>1762</u>	<u>1854</u>	<u>1843</u>	<u>1894</u>	<u>1921</u>
Turbidity	<u>48.5</u>	<u>73.7</u>	<u>30.3</u>	<u>35.8</u>	<u>32.1</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>

% Recharge:

Initial Depth to Water 29.38 feet

Recharge Depth to Water N/A feet

2nd water column height N/A %

1st water column height

Elevation (Top of Casing) N/A feet

G.W. Elevation = N/A feet

G.W. Elevation = Top of Case Elev - Total Depth

Weather: 59* F Cloudy

Observations:

Sampler:

Dan Aumell

Signature: Dan Aumell

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 6/4/01

Client: Barton and Loguidice, P.C.

Project: VanBuren Landfill

Well ID.: MW-8D

ULI ID No. (enter by lab)

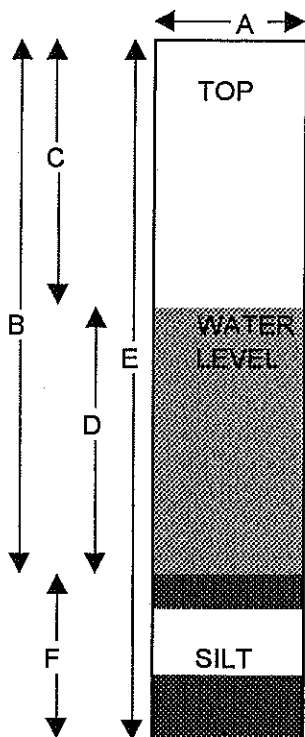
Condition of Well: Good

Locked: No

Method of Evacuation: Bladder Pump

Lock ID: 2532

Method of Sampling: Bladder Pump



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>98</u>	feet
C.	Depth to Water	<u>29.83</u>	feet
D.	Length of Water Column (calculated)	<u>68.17</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>10.9072</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>32.7216</u>	gallons
	Actual Volume Evacuated	<u>33</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>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>
Time	<u>9:50 AM</u>	<u>9:58 AM</u>	<u>10:06 AM</u>	<u>10:15 AM</u>	<u>10:23 AM</u>
EH	<u>125</u>	<u>74</u>	<u>35</u>	<u>24</u>	<u>23</u>
Temperature	<u>11.4 c</u>	<u>10.4 c</u>	<u>10.1 c</u>	<u>10.1 c</u>	<u>9.9 c</u>
pH	<u>7.42</u>	<u>7.10</u>	<u>7.07</u>	<u>7.04</u>	<u>7.03</u>
Specific Cond.	<u>789</u>	<u>916</u>	<u>937</u>	<u>930</u>	<u>915</u>
Turbidity	<u>8.52</u>	<u>9.18</u>	<u>5.80</u>	<u>6.64</u>	<u>5.12</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 29.83 feet

Recharge Depth to Water N/A feet

2nd water column height N/A %

1st water column height

Elevation (Top of Casing) N/A feet

G.W. Elevation = N/A feet

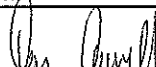
G.W. Elevation = Top of Case Elev - Total Depth

Weather: 59° F Sun

Observations: Dupe

Sampler:

Dan Aumell

Signature: 

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 6/4/01

Client: **Barton and Loguidice, P.C.**

Project: **VanBuren Landfill**

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

ULI ID No. (enter by lab)

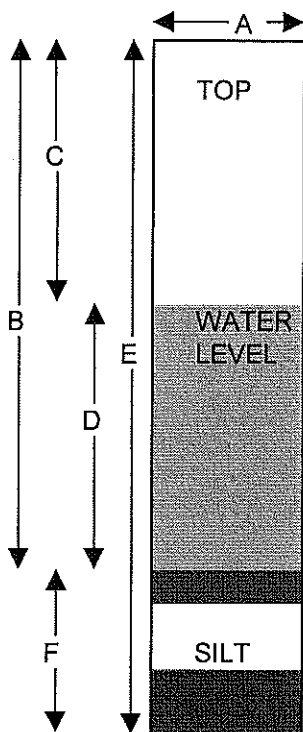
Condition of Well: Good

Locked: No

Method of Evacuation: Bladder Pump

Lock ID: 2532

Method of Sampling: Bladder Pump



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>44.5</u>	feet
C.	Depth to Water	<u>26.88</u>	feet
D.	Length of Water Column (calculated)	<u>17.62</u>	feet
	Conversion Factor	<u>X .16</u>	----
	Well Volume (calculated)	<u>2.8192</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	----
	Total Volume to be Evacuated	<u>8.4576</u>	gallons
	Actual Volume Evacuated	<u>8.5</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>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>
Time	<u>2:35 PM</u>	<u>2:39 PM</u>	<u>2:42 PM</u>	<u>2:45 PM</u>	<u>2:48 PM</u>
EH	<u>11</u>	<u>50</u>	<u>74</u>	<u>84</u>	<u>91</u>
Temperature	<u>12.2 c</u>	<u>12.0 c</u>	<u>11.9 c</u>	<u>11.8 c</u>	<u>11.6 c</u>
pH	<u>7.98</u>	<u>7.94</u>	<u>8.01</u>	<u>8.02</u>	<u>8.02</u>
Specific Cond.	<u>717</u>	<u>655</u>	<u>649</u>	<u>675</u>	<u>690</u>
Turbidity	<u>134.0</u>	<u>11.7</u>	<u>63.3</u>	<u>38.9</u>	<u>19.2</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>Very Cloudy</u>	<u>SI Cloudy</u>	<u>Cloudy</u>	<u>Cloudy</u>	<u>SI Cloudy</u>

% Recharge:

Initial Depth to Water 26.88 feet

Recharge Depth to Water N/A feet

2nd water column height N/A %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation=N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 65* F Sun

Observations:

Sampler:

Dan Aumell

Signature:

Dan Aumell

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 6/4/01

Client: **Barton and Loguidice, P.C.**

Project: **VanBuren Landfill**

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

ULI ID No. (enter by lab)

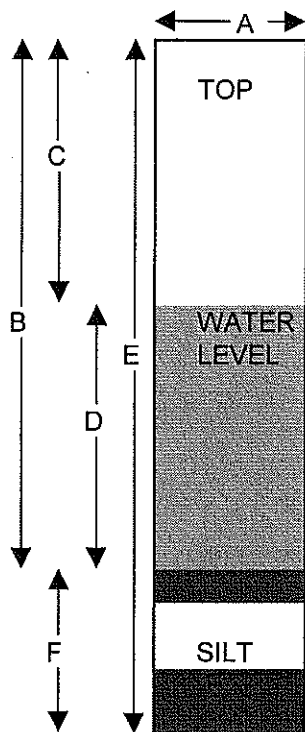
Condition of Well: Good

Locked: No

Method of Evacuation: Bladder Pump

Lock ID: 2532

Method of Sampling: Bladder Pump



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>100</u>	feet
C.	Depth to Water	<u>36.07</u>	feet
D.	Length of Water Column (calculated)	<u>63.93</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>10.2288</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>30.6864</u>	gallons
	Actual Volume Evacuated	<u>31</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>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>	<u>10/20/10</u>
Time	<u>2:02 PM</u>	<u>2:08 PM</u>	<u>2:15 PM</u>	<u>2:21 PM</u>	<u>2:27 PM</u>
EH	<u>160</u>	<u>82</u>	<u>27</u>	<u>16</u>	<u>19</u>
Temperature	<u>14.0 c</u>	<u>11.5 c</u>	<u>11.4 c</u>	<u>10.9 c</u>	<u>10.7 c</u>
pH	<u>7.76</u>	<u>7.58</u>	<u>7.54</u>	<u>7.51</u>	<u>7.50</u>
Specific Cond.	<u>1793</u>	<u>1981</u>	<u>1961</u>	<u>2010</u>	<u>2026</u>
Turbidity	<u>2.41</u>	<u>3.26</u>	<u>2.09</u>	<u>2.07</u>	<u>1.73</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	<u>36.07</u> feet
Recharge Depth to Water	<u>N/A</u> feet
2nd water column height	<u>N/A</u> %
1st water column height	

Elevation(Top of Casing)	<u>N/A</u> feet
G.W. Elevation=	<u>N/A</u> feet
G.W.Elevation =Top of Case Elev-Total Depth	

Weather: 65* F Sun

Observations: MSD

Sampler:

Dan Aumell

Signature: Dan Aumell

Chain of Custody Record

Fax 437 1209

Project #/ Project Name

[illegible]

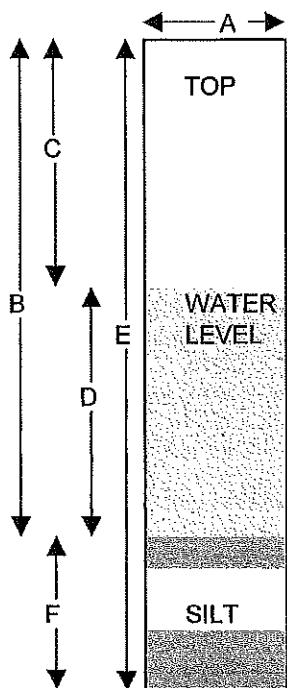
Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 6/4/01

Client: Barton and Loguidice, P.C.
 Project: VanBuren Landfill
 Well ID.: MW-5S

ULI ID No. (enter by lab)

Condition of Well: Poor Locked: No
 Method of Evacuation: Bladder Pump Lock ID: _____
 Method of Sampling: Bladder Pump



A. Diameter of Well 2" inches
 B. Well Depth Measured 40 feet
 C. Depth to Water 30.39 feet
 D. Length of Water Column (calculated) 9.61 feet
 Conversion Factor X .16 -----
 Well Volume (calculated) 1.5376 gallons
 No. of Volumes to be Evacuated X 3 -----
 Total Volume to be Evacuated 4.6128 gallons
 Actual Volume Evacuated 5 gallons
 E. Installed Well Depth (if known) N/A feet
 F. Depth of Silt (calculated) N/A feet

Field Measurements	Initial Evacuation	First Volume	Second Volume	Third Volume	Final Sampling
Date	<u>2/15/11</u>	<u>2/15/11</u>	<u>2/15/11</u>	<u>2/15/11</u>	<u>2/15/11</u>
Time	<u>12:32 PM</u>	<u>12:36 PM</u>	<u>12:40 PM</u>	<u>12:44 PM</u>	<u>12:48 PM</u>
EH	<u>-46</u>	<u>-53</u>	<u>-59</u>	<u>-60</u>	<u>-68</u>
Temperature	<u>9.7 c</u>	<u>10.4 c</u>	<u>9.4 c</u>	<u>9.4 c</u>	<u>9.3 c</u>
pH	<u>7.49</u>	<u>7.21</u>	<u>7.15</u>	<u>7.15</u>	<u>7.14</u>
Specific Cond.	<u>872</u>	<u>854</u>	<u>865</u>	<u>852</u>	<u>844</u>
Turbidity	<u>32.3</u>	<u>7.33</u>	<u>5.57</u>	<u>5.60</u>	<u>5.34</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>Clear</u>	<u>Clear</u>	<u>Clear</u>	<u>Clear</u>

% Recharge:

Initial Depth to Water 30.39 feet

Recharge Depth to Water n/a feet

2nd water column height _____ %

1st water column height

Elevation (Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W. Elevation = Top of Case Elev - Total Depth

Weather: 19* F Sun

Observations: Well casing collapsed into soft ground.
Actual well pipe and bladder pump still intact and sampleable.

Sampler:

Dan Aumell

Signature: Dan Aumell

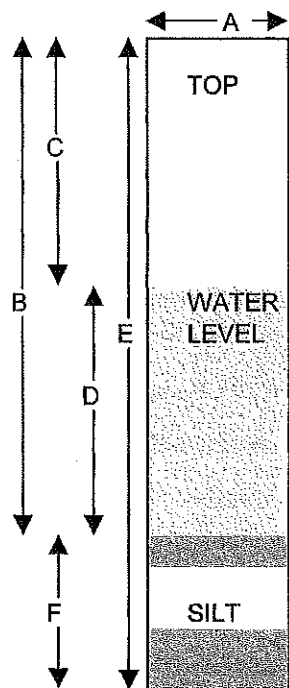
Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 6/4/01

Client: Barton and Loguidice, P.C.
 Project: VanBuren Landfill
 Well ID.: MW-5D

ULI ID No. (enter by lab)

Condition of Well: Good Locked: No
 Method of Evacuation: Bladder Pump Lock ID: _____
 Method of Sampling: Bladder Pump



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>75.5</u>	feet
C.	Depth to Water	<u>28.61</u>	feet
D.	Length of Water Column (calculated)	<u>46.89</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>7.5024</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>22.5072</u>	gallons
	Actual Volume Evacuated	<u>22.5</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>2/15/11</u>	<u>2/15/11</u>	<u>2/15/11</u>	<u>2/15/11</u>	<u>2/15/11</u>
Time	<u>12:59 PM</u>	<u>1:07 PM</u>	<u>1:13 PM</u>	<u>1:19 PM</u>	<u>1:27 PM</u>
EH	<u>-68</u>	<u>-71</u>	<u>-63</u>	<u>-59</u>	<u>-60</u>
Temperature	<u>8.5 c</u>	<u>9.0 c</u>	<u>9.3 c</u>	<u>9.2 c</u>	<u>9.0 c</u>
pH	<u>7.41</u>	<u>7.49</u>	<u>7.45</u>	<u>7.46</u>	<u>7.45</u>
Specific Cond.	<u>1545</u>	<u>1537</u>	<u>1594</u>	<u>1564</u>	<u>1576</u>
Turbidity	<u>36.1</u>	<u>41.1</u>	<u>29.0</u>	<u>29.5</u>	<u>26.3</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>

% Recharge:

Initial Depth to Water 28.61 feet

Recharge Depth to Water n/a feet

2nd water column height _____ %

1st water column height _____

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Sampler:

Dan Aumell

Signature: Dan Aumell

Weather: 19* F Sun

Observations: _____

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 6/4/01

Client: **Barton and Loguidice, P.C.**

Project: **VanBuren Landfill**

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

ULI ID No. (enter by lab)

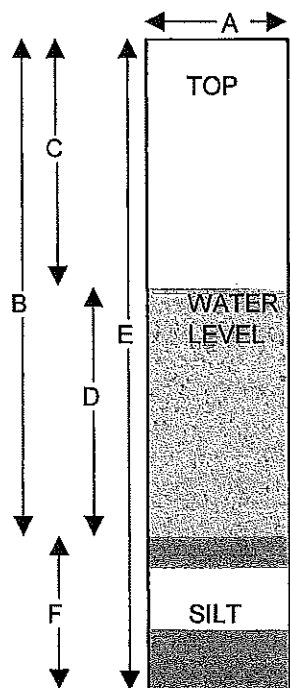
Condition of Well: Good

Locked: No

Method of Evacuation: Bladder Pump

Lock ID: _____

Method of Sampling: Bladder Pump



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>44</u>	feet
C.	Depth to Water	<u>32.46</u>	feet
D.	Length of Water Column (calculated)	<u>11.54</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>1.8464</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>5.5392</u>	gallons
	Actual Volume Evacuated	<u>5.5</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>2/15/11</u>	<u>2/15/11</u>	<u>2/15/11</u>	<u>2/15/11</u>	<u>2/15/11</u>
Time	<u>1:43 PM</u>	<u>1:47 PM</u>	<u>1:51 PM</u>	<u>1:55 PM</u>	<u>1:59 PM</u>
EH	<u>58</u>	<u>61</u>	<u>67</u>	<u>59</u>	<u>72</u>
Temperature	<u>8.5 c</u>	<u>10.1 c</u>	<u>10.1 c</u>	<u>10.2 c</u>	<u>10.0 c</u>
pH	<u>7.34</u>	<u>7.10</u>	<u>7.06</u>	<u>7.06</u>	<u>7.05</u>
Specific Cond.	<u>904</u>	<u>891</u>	<u>906</u>	<u>904</u>	<u>909</u>
Turbidity	<u>14.7</u>	<u>2.79</u>	<u>1.90</u>	<u>1.28</u>	<u>1.20</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>SI Cloudy</u>	<u>Clear</u>	<u>Clear</u>	<u>Clear</u>	<u>Clear</u>

% Recharge:

Initial Depth to Water 32.46 feet

Recharge Depth to Water n/a feet

2nd water column height _____ %

1st water column height _____

Elevation (Top of Casing) N/A feet

G.W. Elevation = N/A feet

G.W. Elevation = Top of Case Elev - Total Depth

Weather: 19* F Sun

Observations: _____

Sampler:

Dan Aumell

Signature: _____

Dan Aumell

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 6/4/01

Client: **Barton and Loguidice, P.C.**

Project: **VanBuren Landfill**

ULI ID No. (enter by lab)

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

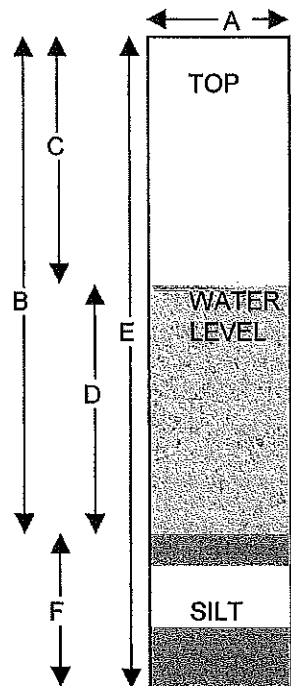
Condition of Well: Good

Locked: No

Method of Evacuation: Bladder Pump

Lock ID: _____

Method of Sampling: Bladder Pump



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>98</u>	feet
C.	Depth to Water	<u>35.29</u>	feet
D.	Length of Water Column (calculated)	<u>62.71</u>	feet
	Conversion Factor	<u>X .16</u>	----
	Well Volume (calculated)	<u>10.0336</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	----
	Total Volume to be Evacuated	<u>30.1008</u>	gallons
	Actual Volume Evacuated	<u>30.5</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>2/15/11</u>	<u>2/15/11</u>	<u>2/15/11</u>	<u>2/15/11</u>	<u>2/15/11</u>
Time	<u>2:14 PM</u>	<u>2:20 PM</u>	<u>2:27 PM</u>	<u>2:33 PM</u>	<u>2:39 PM</u>
EH	<u>112</u>	<u>86</u>	<u>61</u>	<u>29</u>	<u>21</u>
Temperature	<u>6.9 c</u>	<u>9.3 c</u>	<u>8.9 c</u>	<u>9.5 c</u>	<u>9.7 c</u>
pH	<u>7.55</u>	<u>7.63</u>	<u>7.56</u>	<u>7.57</u>	<u>7.56</u>
Specific Cond.	<u>1840</u>	<u>1478</u>	<u>1634</u>	<u>1633</u>	<u>1609</u>
Turbidity	<u>19.7</u>	<u>20.3</u>	<u>10.8</u>	<u>8.17</u>	<u>7.62</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>SI Cloudy</u>	<u>SI Cloudy</u>	<u>SI Cloudy</u>	<u>Clear</u>	<u>Clear</u>

% Recharge:

Initial Depth to Water 35.29 feet

Recharge Depth to Water n/a feet

2nd water column height _____ %

1st water column height _____

Elevation (Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W. Elevation = Top of Case Elev - Total Depth

Weather: 19* F Sun

Observations: _____

Sampler:

Dan Aumell

Signature: Dan Aumell

Chain of Custody Record

(315) 437 0255
Fax 437 1209

Project #/ Project Name

[illegible]

Appendix C

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209

Mailing: Box 169 * Syracuse, NY 13206

Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 972-0371

Rochester (866) 437-0255 * New Jersey (908) 581-4285

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

Thursday, November 11, 2010

RE: Analytical Report:
T/O Van Buren Landfill

Order No.: U1010420

Dear Jason E. Hoy, P.E.:

Upstate Laboratories, Inc. received 9 sample(s) on 10/20/2010 for the analyses presented in the following report.

All analytical results relate to the samples as received by the laboratory.

All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions regarding these tests, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.


Anthony J. Scala
President/CEO

CC:

Enclosures.: report, f.data, mon.report, invoice

Confidentiality Statement: This report is meant for the use of the intended recipient. It may contain confidential information, which is legally privileged or otherwise protected by law. If you have received this report in error, you are strictly prohibited from reviewing, using, disseminating, distributing or copying the information.

Upstate Laboratories, Inc.

Analytical Report

Date: 11-Nov-10

CLIENT: Town of Van Buren
Lab Order: U1010420
Project: T/O Van Buren Landfill
Lab ID: U1010420-001

Client Sample ID: MW-5S
Collection Date: 10/20/2010 3:44:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS			FIELD		Analyst:	
Conductivity	708	1.0		umhos/cm		10/20/2010 3:44:00 PM
Eh	-49	-300		mV		10/20/2010 3:44:00 PM
pH	8.00	2-12.5		SU		10/20/2010 3:44:00 PM
SWL	26.52			ft		10/20/2010 3:44:00 PM
Temperature	10.4			degC		10/20/2010 3:44:00 PM
Turbidity	28.7	5.0		NTU		10/20/2010 3:44:00 PM
ICP METALS, TOTALS BY NYSDEC ASP 2005			200.7WT	(E200.7)	Analyst: ALW	
Cadmium	ND	0.005		mg/L	1	11/1/2010 12:45:57 PM
Calcium	61	0.50		mg/L	1	11/1/2010 12:45:57 PM
Iron	1.5	0.030		mg/L	1	11/1/2010 12:45:57 PM
Magnesium	19	0.50		mg/L	1	11/1/2010 12:45:57 PM
Manganese	0.15	0.020		mg/L	1	11/1/2010 12:45:57 PM
Potassium	13	0.50		mg/L	1	11/1/2010 12:45:57 PM
Sodium	38	0.50		mg/L	1	11/1/2010 12:45:57 PM
Hardness, Total(CaCO3)	230	3.0		mg/L	1	11/1/2010 12:45:57 PM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005			200.8	(E200.8)	Analyst: DEY	
Lead	ND	0.001		mg/L	1	10/29/2010 12:30:00 PM
ALKALINITY BY EPA 310.2			ALK_W_AUTO	Analyst: KAB		
Alkalinity, Total (As CaCO3)	220	10		mg/L	1	10/25/2010 1:44:34 PM
CHLORIDE WATERS BY LACHAT 10-117-07-1 A			CL_W_AUTO	Analyst: KAB		
Chloride	6.29	1.00		mg/L	1	10/25/2010 1:44:34 PM
COD BY EPA 410.4 REV. 2.0			COD	Analyst: GWL		
Chemical Oxygen Demand	120	20		mg/L	1	11/3/2010
NH3 BY LACHAT 10-107-06-1-B			NH3_W_AUTO	Analyst: KAB		
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	10/24/2010 9:52:51 AM
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C			NO3_W	Analyst: BY		
Nitrogen, Nitrate (as N)	ND	0.050		mg/L	1	10/21/2010 7:56:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A			PHENOL_W	(E420.4)	Analyst: TCB	
Phenolics, Total Recoverable	ND	0.005		mg/L	1	11/6/2010 11:33:15 AM
SULFATE BY ASTM D516-90, 02 & 07			SULFATE_W	Analyst: CAC		
Sulfate	200	25.0		mg/L	5	11/4/2010
TDS BY SM 18-21 2540C (97)			TDS	Analyst: SAB		
Residue, Dissolved (TDS)	470	25		mg/L	1	10/25/2010

Approved By: PFF

Date: 11-11-10

Page 1 of 17

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 11-Nov-10

CLIENT: Town of Van Buren
Lab Order: U1010420
Project: T/O Van Buren Landfill
Lab ID: U1010420-001

Client Sample ID: MW-5S
Collection Date: 10/20/2010 3:44:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOC BY SM 18-21 5310B (00)				TOC_W		Analyst: BS
Organic Carbon, Total	4.2	3.0		mg/L	1	11/7/2010
TURBIDITY BY SM 18-21 2130 B (01)				TURBIDITY		Analyst: PRF
Turbidity	57.5	0.150		NTU	5	10/21/2010 1:45:00 PM

Approved By: PFF

Date: 11-11-10

Page 2 of 17

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
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* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 11-Nov-10

CLIENT: Town of Van Buren
Lab Order: U1010420
Project: T/O Van Buren Landfill
Lab ID: U1010420-002

Client Sample ID: MW-5D
Collection Date: 10/20/2010 3:20:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
Conductivity	1879	1.0		umhos/cm		Analyst: 10/20/2010 3:20:00 PM
Eh	-14	-300		mV		10/20/2010 3:20:00 PM
pH	7.61	2-12.5		SU		10/20/2010 3:20:00 PM
SWL	26.90			ft		10/20/2010 3:20:00 PM
Temperature	10.1			degC		10/20/2010 3:20:00 PM
Turbidity	7.16	5.0		NTU		10/20/2010 3:20:00 PM
ICP METALS, TOTALS BY NYSDEC ASP 2005						
			200.7WT	(E200.7)		Analyst: ALW
Cadmium	ND	0.005		mg/L	1	11/1/2010 1:05:22 PM
Calcium	550	0.50		mg/L	1	11/1/2010 1:05:22 PM
Iron	3.2	0.030		mg/L	1	11/1/2010 1:05:22 PM
Magnesium	22	0.50		mg/L	1	11/1/2010 1:05:22 PM
Manganese	0.091	0.020		mg/L	1	11/1/2010 1:05:22 PM
Potassium	46	5.0		mg/L	10	11/2/2010 2:52:15 PM
Sodium	120	0.50		mg/L	1	11/1/2010 1:05:22 PM
Hardness, Total(CaCO3)	1500	3.0		mg/L	1	11/1/2010 1:05:22 PM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005						
			200.8	(E200.8)		Analyst: DEY
Lead	ND	0.001		mg/L	1	10/29/2010 12:30:00 PM
ALKALINITY BY EPA 310.2						
			ALK_W_AUTO			Analyst: KAB
Alkalinity, Total (As CaCO3)	130	10		mg/L	1	10/25/2010 1:45:42 PM
CHLORIDE WATERS BY LACHAT 10-117-07-1 A						
			CL_W_AUTO			Analyst: KAB
Chloride	160	10.0		mg/L	10	10/25/2010 4:36:13 PM
COD BY EPA 410.4 REV. 2.0						
			COD			Analyst: GWL
Chemical Oxygen Demand	ND	20		mg/L	1	11/3/2010
NH3 BY LACHAT 10-107-06-1-B						
			NH3_W_AUTO			Analyst: KAB
Nitrogen, Ammonia (As N)	2.38	0.500		mg/L	1	10/24/2010 9:53:43 AM
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C						
			NO3_W			Analyst: BY
Nitrogen, Nitrate (as N)	ND	0.050		mg/L	1	10/21/2010 7:56:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A						
			PHENOL_W	(E420.4)		Analyst: TCB
Phenolics, Total Recoverable	ND	0.005		mg/L	1	11/6/2010 11:34:22 AM
SULFATE BY ASTM D516-90, 02 & 07						
			SULFATE_W			Analyst: CAC
Sulfate	1040	100		mg/L	20	11/4/2010
TDS BY SM 18-21 2540C (97)						
			TDS			Analyst: SAB
Residue, Dissolved (TDS)	2400	25		mg/L	1	10/25/2010

Approved By: PFF

Date: 11-11-10

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
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Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 11-Nov-10

CLIENT: Town of Van Buren
Lab Order: U1010420
Project: T/O Van Buren Landfill
Lab ID: U1010420-002

Client Sample ID: MW-5D
Collection Date: 10/20/2010 3:20:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOC BY SM 18-21 5310B (00)				TOC_W		Analyst: BS
Organic Carbon, Total	ND	3.0		mg/L	1	11/7/2010
TURBIDITY BY SM 18-21 2130 B (01)				TURBIDITY		Analyst: PRF
Turbidity	14.9	0.150		NTU	5	10/21/2010 1:45:00 PM

Approved By: PFF

Date: 11-11-10

Page 4 of 17

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
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Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 11-Nov-10

CLIENT: Town of Van Buren
Lab Order: U1010420
Project: T/O Van Buren Landfill
Lab ID: U1010420-003

Client Sample ID: MW-6S
Collection Date: 10/20/2010 1:56:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS			FIELD		Analyst:	
Conductivity	612	1.0		umhos/cm		10/20/2010 1:56:00 PM
Eh	107	-300		mV		10/20/2010 1:56:00 PM
pH	7.85	2-12.5		SU		10/20/2010 1:56:00 PM
SWL	9.39			ft		10/20/2010 1:56:00 PM
Temperature	13.9			degC		10/20/2010 1:56:00 PM
Turbidity	9.77	5.0		NTU		10/20/2010 1:56:00 PM
ICP METALS, TOTALS BY NYSDEC ASP 2005			200.7WT	(E200.7)	Analyst: ALW	
Cadmium	ND	0.005		mg/L	1	11/1/2010 1:12:14 PM
Calcium	55	0.50		mg/L	1	11/1/2010 1:12:14 PM
Iron	0.12	0.030		mg/L	1	11/1/2010 1:12:14 PM
Magnesium	57	0.50		mg/L	1	11/1/2010 1:12:14 PM
Manganese	ND	0.020		mg/L	1	11/1/2010 1:12:14 PM
Potassium	2.0	0.50		mg/L	1	11/1/2010 1:12:14 PM
Sodium	4.8	0.50		mg/L	1	11/1/2010 1:12:14 PM
Hardness, Total(CaCO3)	370	3.0		mg/L	1	11/1/2010 1:12:14 PM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005			200.8	(E200.8)	Analyst: DEY	
Lead	ND	0.001		mg/L	1	10/29/2010 12:30:00 PM
ALKALINITY BY EPA 310.2			ALK_W_AUTO	Analyst: KAB		
Alkalinity, Total (As CaCO3)	310	10		mg/L	1	10/25/2010 1:46:49 PM
CHLORIDE WATERS BY LACHAT 10-117-07-1 A			CL_W_AUTO	Analyst: KAB		
Chloride	27.0	1.00		mg/L	1	10/25/2010 1:46:49 PM
COD BY EPA 410.4 REV. 2.0			COD	Analyst: GWL		
Chemical Oxygen Demand	ND	20		mg/L	1	11/3/2010
NH3 BY LACHAT 10-107-06-1-B			NH3_W_AUTO	Analyst: KAB		
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	10/24/2010 9:58:13 AM
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C			NO3_W	Analyst: BY		
Nitrogen, Nitrate (as N)	0.254	0.050		mg/L	1	10/21/2010 7:56:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A			PHENOL_W	(E420.4)	Analyst: TCB	
Phenolics, Total Recoverable	ND	0.005		mg/L	1	11/6/2010 11:35:29 AM
SULFATE BY ASTM D516-90, 02 & 07			SULFATE_W	Analyst: CAC		
Sulfate	47.8	10.0		mg/L	2	11/4/2010
TDS BY SM 18-21 2540C (97)			TDS	Analyst: SAB		
Residue, Dissolved (TDS)	400	25		mg/L	1	10/25/2010

Approved By: PEF

Date: 11-11-10

Page 5 of 17

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
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* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 11-Nov-10

CLIENT: Town of Van Buren
Lab Order: U1010420
Project: T/O Van Buren Landfill
Lab ID: U1010420-003

Client Sample ID: MW-6S
Collection Date: 10/20/2010 1:56:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOC BY SM 18-21 5310B (00)				TOC_W		Analyst: BS
Organic Carbon, Total	ND	3.0		mg/L	1	11/7/2010
TURBIDITY BY SM 18-21 2130 B (01)				TURBIDITY		Analyst: PRF
Turbidity	5.58	0.030		NTU	1	10/21/2010 1:45:00 PM

Approved By: PFF

Date: 11-11-10

Page 6 of 17

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
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* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 11-Nov-10

CLIENT: Town of Van Buren
Lab Order: U1010420
Project: T/O Van Buren Landfill
Lab ID: U1010420-004

Client Sample ID: MW-6D
Collection Date: 10/20/2010 1:33:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
Conductivity	636	1.0		umhos/cm		Analyst: 10/20/2010 1:33:00 PM
Eh	58	-300		mV		10/20/2010 1:33:00 PM
pH	7.90	2-12.5		SU		10/20/2010 1:33:00 PM
SWL	26.01			ft		10/20/2010 1:33:00 PM
Temperature	12.6			degC		10/20/2010 1:33:00 PM
Turbidity	8.71	5.0		NTU		10/20/2010 1:33:00 PM
ICP METALS, TOTALS BY NYSDEC ASP 2005						
			200.7WT	(E200.7)		Analyst: ALW
Cadmium	ND	0.005		mg/L	1	11/1/2010 1:37:24 PM
Calcium	73	0.50		mg/L	1	11/1/2010 1:37:24 PM
Iron	3.5	0.030		mg/L	1	11/1/2010 1:37:24 PM
Magnesium	49	0.50		mg/L	1	11/1/2010 1:37:24 PM
Manganese	0.11	0.020		mg/L	1	11/1/2010 1:37:24 PM
Potassium	5.5	0.50		mg/L	1	11/1/2010 1:37:24 PM
Sodium	5.7	0.50		mg/L	1	11/1/2010 1:37:24 PM
Hardness, Total(CaCO3)	390	3.0		mg/L	1	11/1/2010 1:37:24 PM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005						
			200.8	(E200.8)		Analyst: DEY
Lead	ND	0.001		mg/L	1	10/29/2010 12:30:00 PM
ALKALINITY BY EPA 310.2						
			ALK_W_AUTO			Analyst: KAB
Alkalinity, Total (As CaCO3)	280	10		mg/L	1	10/25/2010 1:47:57 PM
CHLORIDE WATERS BY LACHAT 10-117-07-1 A						
			CL_W_AUTO			Analyst: KAB
Chloride	3.83	1.00		mg/L	1	10/25/2010 1:47:57 PM
COD BY EPA 410.4 REV. 2.0						
			COD			Analyst: GWL
Chemical Oxygen Demand	ND	20		mg/L	1	11/3/2010
NH3 BY LACHAT 10-107-06-1-B						
			NH3_W_AUTO			Analyst: KAB
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	10/24/2010 9:59:05 AM
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C						
			NO3_W			Analyst: BY
Nitrogen, Nitrate (as N)	0.563	0.050		mg/L	1	10/21/2010 7:56:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A						
			PHENOL_W	(E420.4)		Analyst: TCB
Phenolics, Total Recoverable	ND	0.005		mg/L	1	11/6/2010 11:41:09 AM
SULFATE BY ASTM D516-90, 02 & 07						
			SULFATE_W			Analyst: CAC
Sulfate	208	25.0		mg/L	5	11/4/2010
TDS BY SM 18-21 2540C (97)						
			TDS			Analyst: SAB
Residue, Dissolved (TDS)	440	25		mg/L	1	10/25/2010

Approved By: PFF

Date: 11-11-10

Page 7 of 17

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 11-Nov-10

CLIENT: Town of Van Buren
Lab Order: U1010420
Project: T/O Van Buren Landfill
Lab ID: U1010420-004

Client Sample ID: MW-6D
Collection Date: 10/20/2010 1:33:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOC BY SM 18-21 5310B (00)				TOC_W		Analyst: BS
Organic Carbon, Total	ND	3.0		mg/L	1	11/7/2010
TURBIDITY BY SM 18-21 2130 B (01)				TURBIDITY		Analyst: PRF
Turbidity	12.5	0.030		NTU	1	10/21/2010 1:45:00 PM

Approved By: PFF

Date: 11-11-10

Page 8 of 17

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 11-Nov-10

CLIENT: Town of Van Buren
Lab Order: U1010420
Project: T/O Van Buren Landfill
Lab ID: U1010420-005

Client Sample ID: MW-8S
Collection Date: 10/20/2010 10:44:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
Conductivity	1921	1.0		umhos/cm		Analyst: 10/20/2010 10:44:00 AM
Eh	78	-300		mV		10/20/2010 10:44:00 AM
pH	7.37	2-12.5		SU		10/20/2010 10:44:00 AM
SWL	29.38			ft		10/20/2010 10:44:00 AM
Temperature	10.0			degC		10/20/2010 10:44:00 AM
Turbidity	32.1	5.0		NTU		10/20/2010 10:44:00 AM
ICP METALS, TOTALS BY NYSDEC ASP 2005						
			200.7WT	(E200.7)		Analyst: ALW
Cadmium	ND	0.005	mg/L	1		11/1/2010 1:44:04 PM
Calcium	470	0.50	mg/L	1		11/1/2010 1:44:04 PM
Iron	4.3	0.030	mg/L	1		11/1/2010 1:44:04 PM
Magnesium	21	0.50	mg/L	1		11/1/2010 1:44:04 PM
Manganese	0.034	0.020	mg/L	1		11/1/2010 1:44:04 PM
Potassium	47	5.0	mg/L	10		11/2/2010 2:58:50 PM
Sodium	80	0.50	mg/L	1		11/1/2010 1:44:04 PM
Hardness, Total(CaCO3)	1300	3.0	mg/L	1		11/1/2010 1:44:04 PM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005						
			200.8	(E200.8)		Analyst: DEY
Lead	ND	0.001	mg/L	1		10/29/2010 12:30:00 PM
ALKALINITY BY EPA 310.2						
			ALK_W_AUTO			Analyst: KAB
Alkalinity, Total (As CaCO3)	120	10	mg/L	1		10/25/2010 1:55:54 PM
CHLORIDE WATERS BY LACHAT 10-117-07-1 A						
			CL_W_AUTO			Analyst: KAB
Chloride	90.8	1.00	mg/L	1		10/25/2010 1:55:54 PM
COD BY EPA 410.4 REV. 2.0						
			COD			Analyst: GWL
Chemical Oxygen Demand	ND	20	mg/L	1		11/3/2010
NH3 BY LACHAT 10-107-06-1-B						
			NH3_W_AUTO			Analyst: KAB
Nitrogen, Ammonia (As N)	0.867	0.500	mg/L	1		10/24/2010 9:59:56 AM
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C						
			NO3_W			Analyst: BY
Nitrogen, Nitrate (as N)	1.37	0.050	mg/L	1		10/21/2010 7:56:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A						
			PHENOL_W	(E420.4)		Analyst: TCB
Phenolics, Total Recoverable	ND	0.005	mg/L	1		11/6/2010 11:42:17 AM
SULFATE BY ASTM D516-90, 02 & 07						
			SULFATE_W			Analyst: CAC
Sulfate	724	50.0	mg/L	10		11/4/2010
TDS BY SM 18-21 2540C (97)						
			TDS			Analyst: SAB
Residue, Dissolved (TDS)	1700	25	mg/L	1		10/25/2010

Approved By: PFF

Date: 11-11-10

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 11-Nov-10

CLIENT: Town of Van Buren

Client Sample ID: MW-8S

Lab Order: U1010420

Collection Date: 10/20/2010 10:44:00 AM

Project: T/O Van Buren Landfill

Lab ID: U1010420-005

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOC BY SM 18-21 5310B (00)				TOC_W		Analyst: BS
Organic Carbon, Total	ND	3.0		mg/L	1	11/7/2010
TURBIDITY BY SM 18-21 2130 B (01)				TURBIDITY		Analyst: PRF
Turbidity	56.0	0.150		NTU	5	10/21/2010 1:45:00 PM

Approved By: PFF

Date: 11-11-10

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 11-Nov-10

CLIENT: Town of Van Buren
Lab Order: U1010420
Project: T/O Van Buren Landfill
Lab ID: U1010420-006

Client Sample ID: MW-8D
Collection Date: 10/20/2010 10:23:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
Conductivity	915	1.0		umhos/cm		Analyst: 10/20/2010 10:23:00 AM
Eh	23	-300		mV		10/20/2010 10:23:00 AM
pH	7.03	2-12.5		SU		10/20/2010 10:23:00 AM
SWL	29.83			ft		10/20/2010 10:23:00 AM
Temperature	9.9			degC		10/20/2010 10:23:00 AM
Turbidity	5.12	5.0		NTU		10/20/2010 10:23:00 AM
ICP METALS, TOTALS BY NYSDEC ASP 2005						
			200.7WT	(E200.7)		Analyst: ALW
Cadmium	ND	0.005	mg/L	1		11/1/2010 1:50:57 PM
Calcium	180	0.50	mg/L	1		11/1/2010 1:50:57 PM
Iron	5.3	0.030	mg/L	1		11/1/2010 1:50:57 PM
Magnesium	39	0.50	mg/L	1		11/1/2010 1:50:57 PM
Manganese	1.4	0.020	mg/L	1		11/1/2010 1:50:57 PM
Potassium	7.9	0.50	mg/L	1		11/1/2010 1:50:57 PM
Sodium	13	0.50	mg/L	1		11/1/2010 1:50:57 PM
Hardness, Total(CaCO3)	610	3.0	mg/L	1		11/1/2010 1:50:57 PM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005						
			200.8	(E200.8)		Analyst: DEY
Lead	ND	0.001	mg/L	1		10/29/2010 12:30:00 PM
ALKALINITY BY EPA 310.2						
			ALK_W_AUTO			Analyst: KAB
Alkalinity, Total (As CaCO3)	540	100	mg/L	10		10/25/2010
CHLORIDE WATERS BY LACHAT 10-117-07-1 A						
			CL_W_AUTO			Analyst: KAB
Chloride	15.8	1.00	mg/L	1		10/25/2010 1:57:01 PM
COD BY EPA 410.4 REV. 2.0						
			COD			Analyst: GWL
Chemical Oxygen Demand	20 ^{260%}	20	mg/L	1		11/3/2010
NH3 BY LACHAT 10-107-06-1-B						
			NH3_W_AUTO			Analyst: KAB
Nitrogen, Ammonia (As N)	0.632	0.500	mg/L	1		10/24/2010 10:00:48 AM
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C						
			NO3_W			Analyst: BY
Nitrogen, Nitrate (as N)	0.115	0.050	mg/L	1		10/21/2010 7:56:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A						
			PHENOL_W	(E420.4)		Analyst: TCB
Phenolics, Total Recoverable	ND	0.005	mg/L	1		11/6/2010 11:43:25 AM
SULFATE BY ASTM D516-90, 02 & 07						
			SULFATE_W			Analyst: CAC
Sulfate	29.5	10.0	mg/L	2		11/4/2010
TDS BY SM 18-21 2540C (97)						
			TDS			Analyst: SAB
Residue, Dissolved (TDS)	650	25	mg/L	1		10/25/2010

Approved By: PFF

Date: 11-11-10

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 11-Nov-10

CLIENT: Town of Van Buren
Lab Order: U1010420
Project: T/O Van Buren Landfill
Lab ID: U1010420-006

Client Sample ID: MW-8D
Collection Date: 10/20/2010 10:23:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOC BY SM 18-21 5310B (00)				TOC_W		Analyst: BS
Organic Carbon, Total	ND	3.0		mg/L	1	11/7/2010
TURBIDITY BY SM 18-21 2130 B (01)				TURBIDITY		Analyst: PRF
Turbidity	54.0	0.150		NTU	5	10/21/2010 1:45:00 PM

Approved By: PFF

Date: 11-11-10

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 11-Nov-10

CLIENT: Town of Van Buren
Lab Order: U1010420
Project: T/O Van Buren Landfill
Lab ID: U1010420-007

Client Sample ID: MW-9S
Collection Date: 10/20/2010 2:48:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS			FIELD		Analyst:	
Conductivity	690	1.0		umhos/cm		10/20/2010 2:48:00 PM
Eh	91	-300		mV		10/20/2010 2:48:00 PM
pH	8.02	2-12.5		SU		10/20/2010 2:48:00 PM
SWL	26.88			ft		10/20/2010 2:48:00 PM
Temperature	11.6			degC		10/20/2010 2:48:00 PM
Turbidity	19.2	5.0		NTU		10/20/2010 2:48:00 PM
ICP METALS, TOTALS BY NYSDEC ASP 2005			200.7WT	(E200.7)	Analyst: ALW	
Cadmium	ND	0.005		mg/L	1	11/1/2010 1:57:47 PM
Calcium	73	0.50		mg/L	1	11/1/2010 1:57:47 PM
Iron	2.7	0.030		mg/L	1	11/1/2010 1:57:47 PM
Magnesium	50	0.50		mg/L	1	11/1/2010 1:57:47 PM
Manganese	0.21	0.020		mg/L	1	11/1/2010 1:57:47 PM
Potassium	3.6	0.50		mg/L	1	11/1/2010 1:57:47 PM
Sodium	34	0.50		mg/L	1	11/1/2010 1:57:47 PM
Hardness, Total(CaCO3)	390	3.0		mg/L	1	11/1/2010 1:57:47 PM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005			200.8	(E200.8)	Analyst: DEY	
Lead	ND	0.005		mg/L	5	10/29/2010 12:30:00 PM
NOTES: The reporting limits were raised due to matrix interference.						
ALKALINITY BY EPA 310.2			ALK_W_AUTO	Analyst: KAB		
Alkalinity, Total (As CaCO3)	260	10		mg/L	1	10/25/2010 1:58:08 PM
CHLORIDE WATERS BY LACHAT 10-117-07-1 A			CL_W_AUTO	Analyst: KAB		
Chloride	62.7	1.00		mg/L	1	10/25/2010 1:58:08 PM
COD BY EPA 410.4 REV. 2.0			COD	Analyst: GWL		
Chemical Oxygen Demand	ND	20		mg/L	1	11/3/2010
NH3 BY LACHAT 10-107-06-1-B			NH3_W_AUTO	Analyst: KAB		
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	10/24/2010 10:01:40 AM
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C			NO3_W	Analyst: BY		
Nitrogen, Nitrate (as N)	0.073	0.050		mg/L	1	10/21/2010 7:56:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A			PHENOL_W	(E420.4)	Analyst: TCB	
Phenolics, Total Recoverable	ND	0.005		mg/L	1	11/6/2010 11:44:33 AM
SULFATE BY ASTM D516-90, 02 & 07			SULFATE_W	Analyst: CAC		
Sulfate	50.9	10.0		mg/L	2	11/4/2010
TDS BY SM 18-21 2540C (97)			TDS	Analyst: SAB		

Approved By: PFF

Date: 11-11-10

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** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 11-Nov-10

CLIENT: Town of Van Buren
Lab Order: U1010420
Project: T/O Van Buren Landfill
Lab ID: U1010420-007

Client Sample ID: MW-9S
Collection Date: 10/20/2010 2:48:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TDS BY SM 18-21 2540C (97) Residue, Dissolved (TDS)	490	25		TDS mg/L	1	Analyst: SAB 10/25/2010
TOC BY SM 18-21 5310B (00) Organic Carbon, Total	ND	3.0		TOC_W mg/L	1	Analyst: BS 11/7/2010
TURBIDITY BY SM 18-21 2130 B (01) Turbidity	173	3.00		TURBIDITY NTU	100	Analyst: PRF 10/21/2010 1:45:00 PM

Approved By: PFF

Date: 11-11-10

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 11-Nov-10

CLIENT: Town of Van Buren
Lab Order: U1010420
Project: T/O Van Buren Landfill
Lab ID: U1010420-008

Client Sample ID: MW-9D
Collection Date: 10/20/2010 2:27:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
Conductivity	2026	1.0		umhos/cm		Analyst: 10/20/2010 2:27:00 PM
Eh	19	-300		mV		10/20/2010 2:27:00 PM
pH	7.50	2-12.5		SU		10/20/2010 2:27:00 PM
SWL	36.07			ft		10/20/2010 2:27:00 PM
Temperature	10.7			degC		10/20/2010 2:27:00 PM
Turbidity	1.73	5.0		NTU		10/20/2010 2:27:00 PM
ICP METALS, TOTALS BY NYSDEC ASP 2005						
			200.7WT	(E200.7)		Analyst: ALW
Cadmium	ND	0.005		mg/L	1	11/1/2010 2:04:25 PM
Calcium	630	0.50		mg/L	1	11/1/2010 2:04:25 PM
Iron	3.0	0.030		mg/L	1	11/1/2010 2:04:25 PM
Magnesium	25	0.50		mg/L	1	11/1/2010 2:04:25 PM
Manganese	0.083	0.020		mg/L	1	11/1/2010 2:04:25 PM
Potassium	66	5.0		mg/L	10	11/2/2010 3:04:31 PM
Sodium	140	0.50		mg/L	1	11/1/2010 2:04:25 PM
Hardness, Total(CaCO3)	1700	3.0		mg/L	1	11/1/2010 2:04:25 PM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005						
			200.8	(E200.8)		Analyst: DEY
Lead	ND	0.001		mg/L	1	10/29/2010 12:30:00 PM
ALKALINITY BY EPA 310.2						
			ALK_W_AUTO			Analyst: KAB
Alkalinity, Total (As CaCO3)	130	10		mg/L	1	10/25/2010 1:59:15 PM
CHLORIDE WATERS BY LACHAT 10-117-07-1 A						
			CL_W_AUTO			Analyst: KAB
Chloride	164	10.0		mg/L	10	10/25/2010 4:41:32 PM
COD BY EPA 410.4 REV. 2.0						
			COD			Analyst: GWL
Chemical Oxygen Demand	ND	20		mg/L	1	11/3/2010
NH3 BY LACHAT 10-107-06-1-B						
			NH3_W_AUTO			Analyst: KAB
Nitrogen, Ammonia (As N)	3.39	0.500		mg/L	1	10/24/2010 10:02:33 AM
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C						
			NO3_W			Analyst: BY
Nitrogen, Nitrate (as N)	ND	0.050		mg/L	1	10/21/2010 7:56:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A						
			PHENOL_W	(E420.4)		Analyst: TCB
Phenolics, Total Recoverable	ND	0.005		mg/L	1	11/6/2010 11:45:39 AM
SULFATE BY ASTM D516-90, 02 & 07						
			SULFATE_W			Analyst: CAC
Sulfate	1090	100		mg/L	20	11/4/2010
TDS BY SM 18-21 2540C (97)						
			TDS			Analyst: SAB
Residue, Dissolved (TDS)	2100	25		mg/L	1	10/25/2010

Approved By: PFF

Date: 11-11-10

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 ** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 Q Outlying QC recoveries were associated with this parameter

* Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 11-Nov-10

CLIENT: Town of Van Buren

Client Sample ID: MW-9D

Lab Order: U1010420

Collection Date: 10/20/2010 2:27:00 PM

Project: T/O Van Buren Landfill

Lab ID: U1010420-008

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOC BY SM 18-21 5310B (00)				TOC_W		Analyst: BS
Organic Carbon, Total	ND	3.0		mg/L	1	11/7/2010
TURBIDITY BY SM 18-21 2130 B (01)				TURBIDITY		Analyst: PRF
Turbidity	22.6	0.150		NTU	5	10/21/2010 1:45:00 PM

Approved By: PFF

Date: 11-11-10

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 11-Nov-10

CLIENT: Town of Van Buren
Lab Order: U1010420
Project: T/O Van Buren Landfill
Lab ID: U1010420-009

Client Sample ID: MW-8D Dupe
Collection Date: 10/20/2010 10:23:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTALS BY NYSDEC ASP 2005						
				200.7WT	(E200.7)	Analyst: ALW
Cadmium	ND	0.005		mg/L	1	11/1/2010 2:25:06 PM
Calcium	170	0.50		mg/L	1	11/1/2010 2:25:06 PM
Iron	5.1	0.030		mg/L	1	11/1/2010 2:25:06 PM
Magnesium	38	0.50		mg/L	1	11/1/2010 2:25:06 PM
Manganese	1.2	0.020		mg/L	1	11/1/2010 2:25:06 PM
Potassium	7.5	0.50		mg/L	1	11/1/2010 2:25:06 PM
Sodium	12	0.50		mg/L	1	11/1/2010 2:25:06 PM
Hardness, Total(CaCO3)	590	3.0		mg/L	1	11/1/2010 2:25:06 PM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005						
				200.8	(E200.8)	Analyst: DEY
Lead	ND	0.001		mg/L	1	10/29/2010 12:30:00 PM
ALKALINITY BY EPA 310.2						
				ALK_W_AUTO		Analyst: KAB
Alkalinity, Total (As CaCO3)	520	100		mg/L	10	10/25/2010 4:49:32 PM
CHLORIDE WATERS BY LACHAT 10-117-07-1 A						
				CL_W_AUTO		Analyst: KAB
Chloride	15.9	1.00		mg/L	1	10/25/2010 2:03:46 PM
COD BY EPA 410.4 REV. 2.0						
				COD		Analyst: GWL
Chemical Oxygen Demand	ND	20		mg/L	1	11/3/2010
NH3 BY LACHAT 10-107-06-1-B						
				NH3_W_AUTO		Analyst: KAB
Nitrogen, Ammonia (As N)	0.553	0.500		mg/L	1	10/24/2010 10:05:10 AM
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C						
				NO3_W		Analyst: BY
Nitrogen, Nitrate (as N)	0.109	0.050		mg/L	1	10/21/2010 7:56:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A						
				PHENOL_W	(E420.4)	Analyst: TCB
Phenolics, Total Recoverable	ND	0.005		mg/L	1	11/6/2010 11:49:01 AM
SULFATE BY ASTM D516-90, 02 & 07						
				SULFATE_W		Analyst: CAC
Sulfate	12.8 79.5%	5.00		mg/L	1	11/4/2010
TDS BY SM 18-21 2540C (97)						
				TDS		Analyst: SAB
Residue, Dissolved (TDS)	660	25		mg/L	1	10/25/2010
TOC BY SM 18-21 5310B (00)						
				TOC_W		Analyst: BS
Organic Carbon, Total	ND	3.0		mg/L	1	11/7/2010
TURBIDITY BY SM 18-21 2130 B (01)						
				TURBIDITY		Analyst: PRF
Turbidity	52.5	0.150		NTU	5	10/21/2010 1:45:00 PM

Approved By: PFF

Date: 11-11-10

Page 17 of 17

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209

Mailing: Box 169 * Syracuse, NY 13206

Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 972-0371

Rochester (866) 437-0255 * New Jersey (908) 581-4285

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

Friday, March 04, 2011

RE: Analytical Report:
T/O Van Buren Landfill

Order No.: U1102258

Dear Jason E. Hoy, P.E.:

Upstate Laboratories, Inc. received 4 sample(s) on 2/15/2011 for the analyses presented in the following report.

All analytical results relate to the samples as received by the laboratory.

All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions regarding these tests, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.

AJS (PFF)
Anthony J. Scala
President/CEO

Confidentiality Statement: This report is meant for the use of the intended recipient. It may contain confidential information, which is legally privileged or otherwise protected by law. If you have received this report in error, you are strictly prohibited from reviewing, using, disseminating, distributing or copying the information.

NY Lab ID 10170

NJ Lab ID NY750

PA Lab ID 68-01096

Upstate Laboratories, Inc.

Analytical Report

Date: 04-Mar-11

CLIENT: Town of Van Buren
Lab Order: U1102258
Project: T/O Van Buren Landfill
Lab ID: U1102258-001

Client Sample ID: MW-5S
Collection Date: 2/15/2011 12:48:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
Conductivity	844	1.0		umhos/cm		Analyst: 2/15/2011 12:48:00 PM
Eh	-68	-300		mV		2/15/2011 12:48:00 PM
pH	7.14	2-12.5		SU		2/15/2011 12:48:00 PM
SWL	30.39			ft		2/15/2011 12:48:00 PM
Temperature	9.3			degC		2/15/2011 12:48:00 PM
Turbidity	5.34	5.0		NTU		2/15/2011 12:48:00 PM
ICP METALS, TOTALS BY NYSDEC ASP 2005						
				200.7WT	(E200.7)	Analyst: DEY
Cadmium	ND	0.005		mg/L	1	2/28/2011 11:37:51 AM
Calcium	190	0.50		mg/L	1	2/28/2011 11:37:51 AM
Iron	6.3	0.030		mg/L	1	2/28/2011 11:37:51 AM
Magnesium	42	0.50		mg/L	1	2/28/2011 11:37:51 AM
Manganese	1.3	0.020		mg/L	1	2/28/2011 11:37:51 AM
Potassium	7.6	0.50	Q	mg/L	1	2/28/2011 11:37:51 AM
Sodium	14	0.50		mg/L	1	2/28/2011 11:37:51 AM
Hardness, Total(CaCO3)	640	3.0		mg/L	1	2/28/2011 11:37:51 AM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005						
				200.8	(E200.8)	Analyst: DEY
Lead	ND	0.001		mg/L	1	2/25/2011
ALKALINITY BY EPA 310.2						
				ALK_W_AUTO		Analyst: GWL
Alkalinity, Total (As CaCO3)	540	100		mg/L	10	3/1/2011
CHLORIDE WATERS BY LACHAT 10-117-07-1 A						
				CL_W_AUTO		Analyst: GWL
Chloride	14.9	1.00		mg/L	1	2/24/2011
COD BY EPA 410.4 REV. 2.0						
				COD		Analyst: CAC
Chemical Oxygen Demand	ND	20		mg/L	1	3/3/2011
NH3 BY LACHAT 10-107-06-1-B						
				NH3_W_AUTO		Analyst: SAB
Nitrogen, Ammonia (As N)	0.829	0.500		mg/L	1	3/1/2011 1:27:00 PM
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1A						
				NO3_W		Analyst: SAB
Nitrogen, Nitrate (as N)	0.176	0.050		mg/L	1	2/17/2011 10:45:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A						
				PHENOL_W	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/2/2011
SULFATE BY ASTM D516-90, 02 & 07						
				SULFATE_W		Analyst: KLS
Sulfate	21.6	5.00		mg/L	1	2/17/2011
TDS BY SM 18-21 2540C (97)						
				TDS		Analyst: DMP
Residue, Dissolved (TDS)	640	25	H	mg/L	1	2/23/2011

Approved By: PFF

Date: 3-4-11

Page 1 of 8

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 04-Mar-11

CLIENT: Town of Van Buren
Lab Order: U1102258
Project: T/O Van Buren Landfill
Lab ID: U1102258-001

Client Sample ID: MW-5S
Collection Date: 2/15/2011 12:48:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TDS BY SM 18-21 2540C (97)				TDS		Analyst: DMP
NOTES:						
Sample reanalyzed over the holding time; original analysis was within the holding time.						
TOC BY SM 18-21 5310B (00)				TOC_W		Analyst: BY
Organic Carbon, Total	ND	3.0		mg/L	1	3/1/2011
TURBIDITY BY SM 18-21 2130 B (01)				TURBIDITY		Analyst: KLS
Turbidity	11.6	0.030		NTU	1	2/15/2011 4:10:00 PM

Approved By: PFF

Date: 3-4-11

Page 2 of 8

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.**Analytical Report**

Date: 04-Mar-11

CLIENT: Town of Van Buren
Lab Order: U1102258
Project: T/O Van Buren Landfill
Lab ID: U1102258-002

Client Sample ID: MW-5D
Collection Date: 2/15/2011 1:27:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
				FIELD		Analyst:
Conductivity	1576	1.0		umhos/cm		2/15/2011 1:27:00 PM
Eh	-60	-300		mV		2/15/2011 1:27:00 PM
pH	7.45	2-12.5		SU		2/15/2011 1:27:00 PM
SWL	28.61			ft		2/15/2011 1:27:00 PM
Temperature	9.0			degC		2/15/2011 1:27:00 PM
Turbidity	26.3	5.0		NTU		2/15/2011 1:27:00 PM
ICP METALS, TOTALS BY NYSDEC ASP 2005						
				200.7WT	(E200.7)	Analyst: DEY
Cadmium	ND	0.005		mg/L	1	2/28/2011 11:43:45 AM
Calcium	490	0.50		mg/L	1	2/28/2011 11:43:45 AM
Iron	4.3	0.030		mg/L	1	2/28/2011 11:43:45 AM
Magnesium	22	0.50		mg/L	1	2/28/2011 11:43:45 AM
Manganese	0.039	0.020		mg/L	1	2/28/2011 11:43:45 AM
Potassium	51	5.0		mg/L	10	3/2/2011 12:29:47 PM
Sodium	77	0.50		mg/L	1	2/28/2011 11:43:45 AM
Hardness, Total(CaCO3)	1300	3.0		mg/L	1	2/28/2011 11:43:45 AM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005						
				200.8	(E200.8)	Analyst: DEY
Lead	ND	0.001		mg/L	1	2/25/2011
ALKALINITY BY EPA 310.2						
				ALK_W_AUTO		Analyst: GWL
Alkalinity, Total (As CaCO3)	94	10		mg/L	1	2/24/2011
CHLORIDE WATERS BY LACHAT 10-117-07-1 A						
				CL_W_AUTO		Analyst: GWL
Chloride	94.7	1.00		mg/L	1	2/24/2011
COD BY EPA 410.4 REV. 2.0						
				COD		Analyst: CAC
Chemical Oxygen Demand	ND	20		mg/L	1	3/3/2011
NH3 BY LACHAT 10-107-06-1-B						
				NH3_W_AUTO		Analyst: SAB
Nitrogen, Ammonia (As N)	1.03	0.500		mg/L	1	3/1/2011 1:27:00 PM
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1A						
				NO3_W		Analyst: SAB
Nitrogen, Nitrate (as N)	0.576	0.050		mg/L	1	2/17/2011 10:45:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A						
				PHENOL_W	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/2/2011
SULFATE BY ASTM D516-90, 02 & 07						
				SULFATE_W		Analyst: KLS
Sulfate	1530	250		mg/L	50	2/17/2011
TDS BY SM 18-21 2540C (97)						
				TDS		Analyst: DMP
Residue, Dissolved (TDS)	2000	25	H	mg/L	1	2/23/2011

Approved By: PFF

Date: 3-4-11

Page 3 of 8

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 04-Mar-11

CLIENT: Town of Van Buren
Lab Order: U1102258
Project: T/O Van Buren Landfill
Lab ID: U1102258-002

Client Sample ID: MW-5D
Collection Date: 2/15/2011 1:27:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TDS BY SM 18-21 2540C (97)				TDS		Analyst: DMP
NOTES:						
Sample reanalyzed over the holding time; original analysis was within the holding time.						
TOC BY SM 18-21 5310B (00)				TOC_W		Analyst: BY
Organic Carbon, Total	ND	3.0		mg/L	1	3/1/2011
TURBIDITY BY SM 18-21 2130 B (01)				TURBIDITY		Analyst: KLS
Turbidity	38.7	0.030		NTU	1	2/15/2011 4:10:00 PM

Approved By: PFF

Date: 3-4-11

Page 4 of 8

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
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H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 04-Mar-11

CLIENT: Town of Van Buren
Lab Order: U1102258
Project: T/O Van Buren Landfill
Lab ID: U1102258-003

Client Sample ID: MW-8S
Collection Date: 2/15/2011 1:59:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
Conductivity	909	1.0		umhos/cm		Analyst: 2/15/2011 1:59:00 PM
Eh	72	-300		mV		2/15/2011 1:59:00 PM
pH	7.05	2-12.5		SU		2/15/2011 1:59:00 PM
SWL	32.46			ft		2/15/2011 1:59:00 PM
Temperature	10.0			degC		2/15/2011 1:59:00 PM
Turbidity	1.20	5.0		NTU		2/15/2011 1:59:00 PM
ICP METALS, TOTALS BY NYSDEC ASP 2005						
				200.7WT	(E200.7)	Analyst: DEY
Cadmium	ND	0.005		mg/L	1	2/28/2011 11:49:51 AM
Calcium	190	0.50		mg/L	1	2/28/2011 11:49:51 AM
Iron	ND	0.030		mg/L	1	2/28/2011 11:49:51 AM
Magnesium	49	0.50		mg/L	1	2/28/2011 11:49:51 AM
Manganese	2.2	0.020		mg/L	1	2/28/2011 11:49:51 AM
Potassium	7.6	0.50	Q	mg/L	1	2/28/2011 11:49:51 AM
Sodium	13	0.50		mg/L	1	2/28/2011 11:49:51 AM
Hardness, Total(CaCO3)	670	3.0		mg/L	1	2/28/2011 11:49:51 AM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005						
				200.8	(E200.8)	Analyst: DEY
Lead	ND	0.001		mg/L	1	2/25/2011
ALKALINITY BY EPA 310.2						
				ALK_W_AUTO		Analyst: GWL
Alkalinity, Total (As CaCO3)	300	100		mg/L	10	2/24/2011
CHLORIDE WATERS BY LACHAT 10-117-07-1 A						
				CL_W_AUTO		Analyst: GWL
Chloride	20.6	1.00		mg/L	1	2/24/2011
COD BY EPA 410.4 REV. 2.0						
				COD		Analyst: CAC
Chemical Oxygen Demand	ND	20		mg/L	1	3/3/2011
NH3 BY LACHAT 10-107-06-1-B						
				NH3_W_AUTO		Analyst: SAB
Nitrogen, Ammonia (As N)	1.91	0.500		mg/L	1	3/1/2011 1:27:00 PM
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1A						
				NO3_W		Analyst: SAB
Nitrogen, Nitrate (as N)	2.25	0.050		mg/L	1	2/17/2011 10:45:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A						
				PHENOL_W	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/2/2011
SULFATE BY ASTM D516-90, 02 & 07						
				SULFATE_W		Analyst: KLS
Sulfate	21.4	5.00		mg/L	1	2/17/2011
TDS BY SM 18-21 2540C (97)						
				TDS		Analyst: DMP
Residue, Dissolved (TDS)	670	25	H	mg/L	1	2/23/2011

Approved By: PFF

Date: 3-4-11

Page 5 of 8

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
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* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 04-Mar-11

CLIENT: Town of Van Buren
Lab Order: U1102258
Project: T/O Van Buren Landfill
Lab ID: U1102258-003

Client Sample ID: MW-8S
Collection Date: 2/15/2011 1:59:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TDS BY SM 18-21 2540C (97)				TDS		Analyst: DMP
NOTES:						
Sample reanalyzed over the holding time; original analysis was within the holding time.						
TOC BY SM 18-21 5310B (00)				TOC_W		Analyst: BY
Organic Carbon, Total	ND	3.0		mg/L	1	3/1/2011
TURBIDITY BY SM 18-21 2130 B (01)				TURBIDITY		Analyst: KLS
Turbidity	0.640	0.030		NTU	1	2/15/2011 4:10:00 PM

Approved By: PFF

Date: 3-4-11

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Upstate Laboratories, Inc.

Analytical Report

Date: 04-Mar-11

CLIENT: Town of Van Buren
Lab Order: U1102258
Project: T/O Van Buren Landfill
Lab ID: U1102258-004

Client Sample ID: MW-8D
Collection Date: 2/15/2011 2:39:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
Conductivity	1609	1.0		umhos/cm		Analyst: 2/15/2011 2:39:00 PM
Eh	21	-300		mV		2/15/2011 2:39:00 PM
pH	7.56	2-12.5		SU		2/15/2011 2:39:00 PM
SWL	35.29			ft		2/15/2011 2:39:00 PM
Temperature	9.7			degC		2/15/2011 2:39:00 PM
Turbidity	7.62	5.0		NTU		2/15/2011 2:39:00 PM
ICP METALS, TOTALS BY NYSDEC ASP 2005						
				200.7WT	(E200.7)	Analyst: DEY
Cadmium	ND	0.005		mg/L	1	2/28/2011 11:55:52 AM
Calcium	490	0.50		mg/L	1	2/28/2011 11:55:52 AM
Iron	3.4	0.030		mg/L	1	2/28/2011 11:55:52 AM
Magnesium	21	0.50		mg/L	1	2/28/2011 11:55:52 AM
Manganese	0.079	0.020		mg/L	1	2/28/2011 11:55:52 AM
Potassium	63	5.0		mg/L	10	3/2/2011 12:34:32 PM
Sodium	100	0.50		mg/L	1	2/28/2011 11:55:52 AM
Hardness, Total(CaCO3)	1300	3.0		mg/L	1	2/28/2011 11:55:52 AM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005						
				200.8	(E200.8)	Analyst: DEY
Lead	ND	0.001		mg/L	1	2/25/2011
ALKALINITY BY EPA 310.2						
				ALK_W_AUTO		Analyst: GWL
Alkalinity, Total (As CaCO3)	82	10		mg/L	1	2/24/2011
CHLORIDE WATERS BY LACHAT 10-117-07-1 A						
				CL_W_AUTO		Analyst: GWL
Chloride	139	1.00		mg/L	1	2/24/2011
COD BY EPA 410.4 REV. 2.0						
				COD		Analyst: CAC
Chemical Oxygen Demand	ND	20		mg/L	1	3/3/2011
NH3 BY LACHAT 10-107-06-1-B						
				NH3_W_AUTO		Analyst: SAB
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	3/1/2011 1:27:00 PM
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1A						
				NO3_W		Analyst: SAB
Nitrogen, Nitrate (as N)	ND	0.050		mg/L	1	2/17/2011 10:45:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A						
				PHENOL_W	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/2/2011
SULFATE BY ASTM D516-90, 02 & 07						
				SULFATE_W		Analyst: KLS
Sulfate	1400	250		mg/L	50	2/17/2011
TDS BY SM 18-21 2540C (97)						
				TDS		Analyst: DMP
Residue, Dissolved (TDS)	2000	25	H	mg/L	1	2/23/2011

Approved By: PFF

Date: 3-4-11

Page 7 of 8

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
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H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 04-Mar-11

CLIENT: Town of Van Buren
Lab Order: U1102258
Project: T/O Van Buren Landfill
Lab ID: U1102258-004

Client Sample ID: MW-8D
Collection Date: 2/15/2011 2:39:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TDS BY SM 18-21 2540C (97)				TDS		Analyst: DMP
NOTES:						
Sample reanalyzed over the holding time; original analysis was within the holding time.						
TOC BY SM 18-21 5310B (00)				TOC_W		Analyst: BY
Organic Carbon, Total	ND	3.0		mg/L	1	3/1/2011
TURBIDITY BY SM 18-21 2130 B (01)				TURBIDITY		Analyst: KLS
Turbidity	10.1	0.030		NTU	1	2/15/2011 4:10:00 PM

Approved By: PFF

Date: 3-4-11

Page 8 of 8

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
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* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209

Mailing: Box 169 * Syracuse, NY 13206

Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 972-0371

Rochester (866) 437-0255 * New Jersey (908) 581-4285

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

Friday, December 10, 2010

RE: Analytical Report:
Semi-Annual T/O Van Buren Residents

Order No.: U1011406

Dear Jason E. Hoy, P.E.:

Upstate Laboratories, Inc. received 6 sample(s) on 11/18/2010 for the analyses presented in the following report.

All analytical results relate to the samples as received by the laboratory.

All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

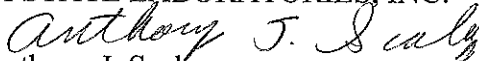
We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions regarding these tests, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.



Anthony J. Scala

President/CEO

Confidentiality Statement: This report is meant for the use of the intended recipient. It may contain confidential information, which is legally privileged or otherwise protected by law. If you have received this report in error, you are strictly prohibited from reviewing, using, disseminating, distributing or copying the information.

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Dec-10

CLIENT: Town of Van Buren

Client Sample ID: RW-A

Lab Order: U1011406

Collection Date: 11/18/2010 8:57:00 AM

Project: Semi-Annual T/O Van Buren Residents

Lab ID: U1011406-001

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS			FIELD		Analyst:	
Conductivity	671	1.0		umhos/cm		11/18/2010 8:57:00 AM
Eh	141	-300		mV		11/18/2010 8:57:00 AM
pH	7.92	2-12.5		SU		11/18/2010 8:57:00 AM
Temperature	17.1			degC		11/18/2010 8:57:00 AM
Turbidity	2.43	5.0		NTU		11/18/2010 8:57:00 AM
PURGEABLE VOLATILES; METHOD 601/602 BY 624			601/602_W		Analyst: JKS	
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
1,2-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
1,4-Dichlorobenzene	3.7	1.0		µg/L	1	11/19/2010 6:24:00 PM
2-Chloroethyl vinyl ether	ND	1.0	Q	µg/L	1	11/19/2010 6:24:00 PM
Benzene	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
Bromoform	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
Bromomethane	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
Carbon tetrachloride	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
Chloroethane	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
Chloroform	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
Chloromethane	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
m,p-Xylene	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
Methylene chloride	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
o-Xylene	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
Tetrachloroethene	ND	1.0	Q	µg/L	1	11/19/2010 6:24:00 PM
Toluene	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM

Approved By: PFF

Date: 12-10-10

Page 1 of 12

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Dec-10

CLIENT:	Town of Van Buren	Client Sample ID:	RW-A
Lab Order:	U1011406	Collection Date:	11/18/2010 8:57:00 AM
Project:	Semi-Annual T/O Van Buren Residents		
Lab ID:	U1011406-001	Matrix:	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE VOLATILES; METHOD 601/602 BY 624						
				601/602_W		Analyst: JKS
Trichloroethene	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2010 6:24:00 PM
ICP METALS, TOTALS BY NYSDEC ASP 2005						
				200.7WT	(E200.7)	Analyst: DEY
Cadmium	ND	0.005		mg/L	1	12/3/2010 9:35:49 PM
Calcium	ND	0.50		mg/L	1	12/3/2010 9:35:49 PM
Iron	ND	0.030		mg/L	1	12/3/2010 9:35:49 PM
Magnesium	ND	0.50		mg/L	1	12/3/2010 9:35:49 PM
Manganese	ND	0.020		mg/L	1	12/3/2010 9:35:49 PM
Potassium	ND	0.50	Q	mg/L	1	12/3/2010 9:35:49 PM
Sodium	4.3	0.50		mg/L	1	12/3/2010 9:35:49 PM
Hardness, Total(CaCO3)	ND	3.0		mg/L	1	12/3/2010 9:35:49 PM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005						
				200.8	(E200.8)	Analyst: DEY
Lead	ND	0.001		mg/L	1	12/4/2010 1:00:00 PM
ALKALINITY BY EPA 310.2						
				ALK_W_AUTO		Analyst: BY
Alkalinity, Total (As CaCO3)	140	10		mg/L	1	11/26/2010
CHLORIDE WATERS BY LACHAT 10-117-07-1 A						
				CL_W_AUTO		Analyst: BY
Chloride	16.3	1.00		mg/L	1	11/26/2010
COD BY EPA 410.4 REV. 2.0						
				COD		Analyst: GWL
Chemical Oxygen Demand	ND	20		mg/L	1	11/22/2010
NH3 BY LACHAT 10-107-06-1-B						
				NH3_W_AUTO		Analyst: GWL
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	11/29/2010
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C						
				NO3_W		Analyst: BY
Nitrogen, Nitrate (as N)	0.063	0.050		mg/L	1	11/18/2010 11:19:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A						
				PHENOL_W	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	12/8/2010
SULFATE BY ASTM D516-90, 02 & 07						
				SULFATE_W		Analyst: CAC
Sulfate	ND	5.00		mg/L	1	11/24/2010
TDS BY SM 18-21 2540C (97)						
				TDS		Analyst: SAB
Residue, Dissolved (TDS)	ND	50		mg/L	1	11/23/2010
TOC BY SM 18-21 5310B (00)						
				TOC_W		Analyst: BS
Organic Carbon, Total	ND	3.0		mg/L	1	11/29/2010
TURBIDITY BY SM 18-21 2130 B (01)						
				TURBIDITY		Analyst: PRF

Approved By: PFF

Date: 12-10-10

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Qualifiers:

- # Accreditation not offered by NYS DOH for this parameter
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Q Outlying QC recoveries were associated with this parameter

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Dec-10

CLIENT: Town of Van Buren

Client Sample ID: RW-A

Lab Order: U1011406

Collection Date: 11/18/2010 8:57:00 AM

Project: Semi-Annual T/O Van Buren Residents

Lab ID: U1011406-001

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TURBIDITY BY SM 18-21 2130 B (01)				TURBIDITY		Analyst: PRF
Turbidity	0.130	0.030		NTU	1	11/18/2010 3:13:00 PM

Approved By: PFF

Date: 12-10-10

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Dec-10

CLIENT: Town of Van Buren

Client Sample ID: RW-A Influent

Lab Order: U1011406

Collection Date: 11/18/2010 8:52:00 AM

Project: Semi-Annual T/O Van Buren Residents

Lab ID: U1011406-002

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE VOLATILES; METHOD 601/602 BY 624				601/602_W	Analyst: JKS	
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
1,2-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
1,4-Dichlorobenzene	2.7	1.0		µg/L	1	11/19/2010 7:05:00 PM
2-Chloroethyl vinyl ether	ND	1.0	Q	µg/L	1	11/19/2010 7:05:00 PM
Benzene	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
Bromoform	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
Bromomethane	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
Carbon tetrachloride	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
Chloroethane	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
Chloroform	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
Chloromethane	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
m,p-Xylene	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
Methylene chloride	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
o-Xylene	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
Tetrachloroethene	ND	1.0	Q	µg/L	1	11/19/2010 7:05:00 PM
Toluene	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
Trichloroethene	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2010 7:05:00 PM

Approved By: PFF

Date: 12-10-10

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Dec-10

CLIENT: Town of Van Buren
Lab Order: U1011406
Project: Semi-Annual T/O Van Buren Residents
Lab ID: U1011406-003

Client Sample ID: RW-A In Between
Collection Date: 11/18/2010 8:54:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE VOLATILES; METHOD 601/602 BY 624				601/602_W	Analyst: JKS	
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
1,2-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
1,4-Dichlorobenzene	4.2	1.0		µg/L	1	11/19/2010 7:45:00 PM
2-Chloroethyl vinyl ether	ND	1.0	Q	µg/L	1	11/19/2010 7:45:00 PM
Benzene	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
Bromoform	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
Bromomethane	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
Carbon tetrachloride	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
Chloroethane	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
Chloroform	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
Chloromethane	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
m,p-Xylene	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
Methylene chloride	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
o-Xylene	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
Tetrachloroethene	ND	1.0	Q	µg/L	1	11/19/2010 7:45:00 PM
Toluene	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
Trichloroethene	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2010 7:45:00 PM

Approved By: PFF

Date: 12-10-10

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 ** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 Q Outlying QC recoveries were associated with this parameter

* Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Dec-10

CLIENT:	Town of Van Buren	Client Sample ID:	RW-B
Lab Order:	U1011406	Collection Date:	11/18/2010 9:05:00 AM
Project:	Semi-Annual T/O Van Buren Residents		
Lab ID:	U1011406-004	Matrix:	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS			FIELD		Analyst:	
Conductivity	702	1.0		umhos/cm		11/18/2010 9:05:00 AM
Eh	152	-300		mV		11/18/2010 9:05:00 AM
pH	7.68	2-12.5		SU		11/18/2010 9:05:00 AM
Temperature	18.5			degC		11/18/2010 9:05:00 AM
Turbidity	1.89	5.0		NTU		11/18/2010 9:05:00 AM
PURGEABLE VOLATILES; METHOD 601/602 BY 624			601/602_W		Analyst: JKS	
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
1,2-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
2-Chloroethyl vinyl ether	ND	1.0	Q	µg/L	1	11/19/2010 8:26:00 PM
Benzene	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
Bromoform	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
Bromomethane	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
Carbon tetrachloride	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
Chloroethane	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
Chloroform	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
Chloromethane	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
m,p-Xylene	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
Methylene chloride	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
o-Xylene	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
Tetrachloroethene	ND	1.0	Q	µg/L	1	11/19/2010 8:26:00 PM
Toluene	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM

Approved By: PFF

Date: 12-10-10

Page 6 of 12

Qualifiers:

- # Accreditation not offered by NYS DOH for this parameter
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Q Outlying QC recoveries were associated with this parameter

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Dec-10

CLIENT: Town of Van Buren
Lab Order: U1011406
Project: Semi-Annual T/O Van Buren Residents
Lab ID: U1011406-004

Client Sample ID: RW-B
Collection Date: 11/18/2010 9:05:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE VOLATILES; METHOD 601/602 BY 624						
				601/602_W		Analyst: JKS
Trichloroethene	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2010 8:26:00 PM
ICP METALS, TOTALS BY NYSDEC ASP 2005						
				200.7WT	(E200.7)	Analyst: DEY
Cadmium	ND	0.005		mg/L	1	12/3/2010 9:40:51 PM
Calcium	0.52	0.50		mg/L	1	12/3/2010 9:40:51 PM
Iron	0.037	0.030		mg/L	1	12/3/2010 9:40:51 PM
Magnesium	ND	0.50		mg/L	1	12/3/2010 9:40:51 PM
Manganese	ND	0.020		mg/L	1	12/3/2010 9:40:51 PM
Potassium	0.56	0.50	Q	mg/L	1	12/3/2010 9:40:51 PM
Sodium	19	0.50		mg/L	1	12/3/2010 9:40:51 PM
Hardness, Total(CaCO3)	ND	3.0		mg/L	1	12/3/2010 9:40:51 PM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005						
				200.8	(E200.8)	Analyst: DEY
Lead	0.003	0.001		mg/L	1	12/4/2010 1:00:00 PM
ALKALINITY BY EPA 310.2						
				ALK_W_AUTO		Analyst: BY
Alkalinity, Total (As CaCO3)	150	10		mg/L	1	11/26/2010
CHLORIDE WATERS BY LACHAT 10-117-07-1 A						
				CL_W_AUTO		Analyst: BY
Chloride	12.7	1.00		mg/L	1	11/26/2010
COD BY EPA 410.4 REV. 2.0						
				COD		Analyst: GWL
Chemical Oxygen Demand	ND	20		mg/L	1	11/22/2010
NH3 BY LACHAT 10-107-06-1-B						
				NH3_W_AUTO		Analyst: GWL
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	11/29/2010
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C						
				NO3_W		Analyst: BY
Nitrogen, Nitrate (as N)	ND	0.050		mg/L	1	11/18/2010 11:19:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A						
				PHENOL_W	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	12/2/2010
SULFATE BY ASTM D516-90, 02 & 07						
				SULFATE_W		Analyst: CAC
Sulfate	71.2	5.00		mg/L	1	11/24/2010
TDS BY SM 18-21 2540C (97)						
				TDS		Analyst: SAB
Residue, Dissolved (TDS)	100	50		mg/L	1	11/23/2010
TOC BY SM 18-21 5310B (00)						
				TOC_W		Analyst: BS
Organic Carbon, Total	ND	3.0		mg/L	1	11/29/2010
TURBIDITY BY SM 18-21 2130 B (01)						
				TURBIDITY		Analyst: PRF

Approved By: PFF

Date: 12-10-10

Page 7 of 12

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Dec-10

CLIENT: Town of Van Buren

Client Sample ID: RW-B

Lab Order: U1011406

Collection Date: 11/18/2010 9:05:00 AM

Project: Semi-Annual T/O Van Buren Residents

Lab ID: U1011406-004

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TURBIDITY BY SM 18-21 2130 B (01)				TURBIDITY		Analyst: PRF
Turbidity	0.150	0.030		NTU	1	11/18/2010 3:13:00 PM

Approved By: PFF

Date: 12-10-10

Page 8 of 12

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Dec-10

CLIENT: Town of Van Buren

Client Sample ID: RW-C

Lab Order: U1011406

Collection Date: 11/18/2010 9:13:00 AM

Project: Semi-Annual T/O Van Buren Residents

Lab ID: U1011406-005

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS			FIELD		Analyst:	
Conductivity	568	1.0		umhos/cm		11/18/2010 9:13:00 AM
Eh	128	-300		mV		11/18/2010 9:13:00 AM
pH	8.02	2-12.5		SU		11/18/2010 9:13:00 AM
Temperature	17.5			degC		11/18/2010 9:13:00 AM
Turbidity	2.55	5.0		NTU		11/18/2010 9:13:00 AM
PURGEABLE VOLATILES; METHOD 601/602 BY 624			601/602_W		Analyst: JKS	
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
1,2-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
2-Chloroethyl vinyl ether	ND	1.0	Q	µg/L	1	11/19/2010 9:07:00 PM
Benzene	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
Bromoform	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
Bromomethane	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
Carbon tetrachloride	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
Chloroethane	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
Chloroform	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
Chloromethane	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
m,p-Xylene	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
Methylene chloride	1.3	1.0		µg/L	1	11/19/2010 9:07:00 PM
o-Xylene	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
Tetrachloroethene	ND	1.0	Q	µg/L	1	11/19/2010 9:07:00 PM
Toluene	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM

Approved By: PFF

Date: 12-10-10

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
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Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Dec-10

CLIENT:	Town of Van Buren	Client Sample ID:	RW-C
Lab Order:	U1011406	Collection Date:	11/18/2010 9:13:00 AM
Project:	Semi-Annual T/O Van Buren Residents		
Lab ID:	U1011406-005	Matrix:	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE VOLATILES; METHOD 601/602 BY 624						
				601/602_W		Analyst: JKS
Trichloroethene	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2010 9:07:00 PM
NOTES:						
Methylene chloride is a common laboratory solvent.						
ICP METALS, TOTALS BY NYSDEC ASP 2005						
				200.7WT	(E200.7)	Analyst: DEY
Cadmium	ND	0.005		mg/L	1	12/3/2010 9:45:57 PM
Calcium	2.2	0.50		mg/L	1	12/3/2010 9:45:57 PM
Iron	0.13	0.030		mg/L	1	12/3/2010 9:45:57 PM
Magnesium	ND	0.50		mg/L	1	12/3/2010 9:45:57 PM
Manganese	ND	0.020		mg/L	1	12/3/2010 9:45:57 PM
Potassium	7.0	0.50	Q	mg/L	1	12/3/2010 9:45:57 PM
Sodium	71	0.50		mg/L	1	12/3/2010 9:45:57 PM
Hardness, Total(CaCO3)	6.8	3.0		mg/L	1	12/3/2010 9:45:57 PM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005						
				200.8	(E200.8)	Analyst: DEY
Lead	0.001	0.001		mg/L	1	12/4/2010 1:00:00 PM
ALKALINITY BY EPA 310.2						
				ALK_W_AUTO		Analyst: BY
Alkalinity, Total (As CaCO3)	56	10		mg/L	1	11/26/2010
CHLORIDE WATERS BY LACHAT 10-117-07-1 A						
				CL_W_AUTO		Analyst: BY
Chloride	27.2	1.00		mg/L	1	11/26/2010
COD BY EPA 410.4 REV. 2.0						
				COD		Analyst: GWL
Chemical Oxygen Demand	ND	20		mg/L	1	11/22/2010
NH3 BY LACHAT 10-107-06-1-B						
				NH3_W_AUTO		Analyst: GWL
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	11/29/2010
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C						
				NO3_W		Analyst: BY
Nitrogen, Nitrate (as N)	0.141	0.050		mg/L	1	11/18/2010 11:19:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A						
				PHENOL_W	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	12/2/2010
SULFATE BY ASTM D516-90, 02 & 07						
				SULFATE_W		Analyst: CAC
Sulfate	54.3	5.00		mg/L	1	11/24/2010
TDS BY SM 18-21 2540C (97)						
				TDS		Analyst: SAB
Residue, Dissolved (TDS)	110	50		mg/L	1	11/23/2010
TOC BY SM 18-21 5310B (00)						
				TOC_W		Analyst: BS

Approved By: PFF

Date: 12-10-10

Page 10 of 12

Qualifiers:

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- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Dec-10

CLIENT: Town of Van Buren **Client Sample ID:** RW-C
Lab Order: U1011406 **Collection Date:** 11/18/2010 9:13:00 AM
Project: Semi-Annual T/O Van Buren Residents
Lab ID: U1011406-005 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOC BY SM 18-21 5310B (00)				TOC_W		Analyst: BS
Organic Carbon, Total	ND	3.0		mg/L	1	11/29/2010
TURBIDITY BY SM 18-21 2130 B (01)				TURBIDITY		Analyst: PRF
Turbidity	0.270	0.030		NTU	1	11/18/2010 3:13:00 PM

Approved By: PFF

Date: 12-10-10

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S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Dec-10

CLIENT: Town of Van Buren
Lab Order: U1011406
Project: Semi-Annual T/O Van Buren Residents
Lab ID: U1011406-006

Client Sample ID: ULI Trip Blank
Collection Date: 11/18/2010
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE VOLATILES; METHOD 601/602 BY 624				601/602_W	Analyst: JKS	
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
1,2-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
2-Chloroethyl vinyl ether	ND	1.0	Q	µg/L	1	11/19/2010 9:47:00 PM
Benzene	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
Bromoform	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
Bromomethane	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
Carbon tetrachloride	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
Chloroethane	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
Chloroform	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
Chloromethane	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
m,p-Xylene	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
Methylene chloride	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
o-Xylene	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
Tetrachloroethene	ND	1.0	Q	µg/L	1	11/19/2010 9:47:00 PM
Toluene	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
Trichloroethene	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2010 9:47:00 PM

Approved By: PFF

Date: 12-10-10

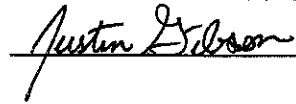
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Upstate Laboratories, Inc.

Tap Water / Surface Water / Wastewater Field Log

Client: Barton and Loguidice, P.C.**Sampler (print):**Justin Gibson**Project:** Van Buren Landfill - Residents**Signature:****Date:** 11/18/2010

Location	<u>RW-A</u>	TIME SAMPLED	<u>8:57 AM</u>	ULI ID. NO.
EH	<u>141</u> MV	WEATHER CONDITION:	<u>40 f, cloudy</u>	
TEMPERATURE	<u>17.1</u> C			
PH	<u>7.92</u> STD.UNITS	APPEARANCE / OBSERVATIONS	<u>clear</u>	
SPEC. CON.	<u>671</u> UMHOS/CM	DO	<u>N/A</u>	MG/L
TURB	<u>2.43</u> NTU	STAFF GUAGE	<u>N/A</u>	

Location	<u>RW-B</u>	TIME SAMPLED	<u>9:05 AM</u>	ULI ID. NO.
EH	<u>152</u> MV	WEATHER CONDITION:	<u>40 f, cloudy</u>	
TEMPERATURE	<u>18.5</u> C			
PH	<u>7.68</u> STD.UNITS	APPEARANCE / OBSERVATIONS	<u>clear</u>	
SPEC. CON.	<u>702</u> UMHOS/CM	DO	<u>N/A</u>	MG/L
TURB	<u>1.89</u> NTU	STAFF GUAGE	<u>N/A</u>	

Location	<u>RW-C</u>	TIME SAMPLED	<u>9:13 AM</u>	ULI ID. NO.
EH	<u>128</u> MV	WEATHER CONDITION:	<u>40 f, cloudy</u>	
TEMPERATURE	<u>17.5</u> C OR F			
PH	<u>8.02</u> STD.UNITS	APPEARANCE/OBSERVATIONS	<u>clear</u>	
SPEC. CON.	<u>568</u> UMHOS/CM	DO	<u>N/A</u>	MG/L
TURB	<u>2.55</u> NTU	STAFF GUAGE	<u>N/A</u>	

Location		TIME SAMPLED		ULI ID. NO.
EH		WEATHER CONDITION:		
TEMPERATURE				
PH		APPEARANCE / OBSERVATIONS		
SPEC. CON.		DO		MG/L
TURB		STAFF GUAGE		

Location		TIME SAMPLED		ULI ID. NO.
EH		WEATHER CONDITION:		
TEMPERATURE				
PH		APPEARANCE / OBSERVATIONS		
SPEC. CON.		DO		MG/L
TURB		STAFF GUAGE		

Location		TIME SAMPLED		ULI ID. NO.
EH		WEATHER CONDITION:		
TEMPERATURE				
PH		APPEARANCE / OBSERVATIONS		
SPEC. CON.		DO		MG/L
TURB		STAFF GUAGE		

Power Services, Inc.

Chain of Custody Record

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

Fax (315) 437 1209

Client:

Project #/Project Name

TOWN OF VAN BUREN

T/O VANBUREN RESIDENTS

Client Contact:

Phone #

Remarks

JASON HOY

635-3011

VAN BUREN, NY

Sample ID

Date

Time

Matrix

GRAB

ULI Internal Use Only

Number of Containers

1 2 3 4 5 6 7 8 9 10

1988 NYSDEC PART 3
ROUTINE LIST W/VO

RW-A

11/18/10

8⁵⁷ AM

WATER

GRAB

1

8 X X X X X X X

RW-A INFLUENT

11/18/10

8⁵² AM

WATER

GRAB

2

2 X X X X X X X

RW-A IN BETWEEN

11/18/10

8⁵⁴ AM

WATER

GRAB

3

2 X X X X X X X

RW-B

11/18/10

9⁰⁵ AM

WATER

GRAB

4

8 X X X X X X X

RW-C

11/18/10

9¹³ AM

WATER

GRAB

5

8 X X X X X X X

ULI TRIP BLANK

11/18/10

8⁰⁰ AM

WATER

GRAB

6

1 X X X X X X X

PFF

Parameter and Method

Sample bottle:

Type

Size

Preservative

Sampled by (Print)

Name of Courier

1 FIELD PH,TEMP,EH,SPEC.COND.,TURBIDITY

Turbidity

N/A

1000 ML

NONE

Justin Gibson

2 NO3,TDS,S04,CL-,TURBIDITY

PLASTIC

500 ML

H2SO4

Relinquished by: (sign)

Received by: (sign)

3 NH3,COD

PLASTIC

120 ML

1:1 HCL

Relinquished by: (sign)

Received by: (sign)

4 TOC

GLASS

250 ML

NONE

Relinquished by: (sign)

Received by: (sign)

5 ALKALINITY

AMBER

LITER

H2SO4

Relinquished by: (sign)

Received by: (sign)

7 T-CD,CA,FE,PB*,MG,MN,K,NA,*CALC. HARDNESS

PLASTIC

500 ML

HNO3

Relinquished by: (sign)

Received by: (sign)

8 EPA 601/602

PLASTIC

40 ML

1:1 HCL

Relinquished by: (sign)

Received by: (sign)

9

Relinquished by: (sign)

Received by: (sign)

10

Relinquished by: (sign)

Received by: (sign)

Syracuse

Rochester

Rutland

Albany

Rimhampton

Fair Lawn (NJ)

Received by: (sign)

Appendix D

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

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	—	—	—	—	—	—

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

GROUND WATER	TOTAL METALS										
	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	--	[0.003]	0.025	1	[0.003]	0.01	--	0.05	0.05	0.2	0.3
MW-55											
29-Mar-96	--	--	0.009	0.5	--	< 0.005	160	--	--	--	9.1
20-Jun-96	0.1	< 0.003	0.008	0.5	< 0.005	< 0.005	150	< 0.05	< 0.01	< 0.02	8.9
5-Sep-96	--	--	0.008	0.5	--	< 0.005	180	--	--	--	11
12-Dec-96	--	--	0.009	0.5	--	< 0.005	150	--	--	--	9.1
28-Mar-97	--	--	0.011	0.4	--	0.01	160	--	--	--	9.7
3-Jun-97	--	--	0.01	0.4	--	< 0.005	150	--	--	--	9.6
30-Sep-97	< 0.05	< 0.003	0.01	0.3	< 0.005	< 0.005	160	< 0.05	< 0.01	< 0.02	9.4
9-Dec-97	--	--	0.009	0.4	--	< 0.005	170	--	--	--	7.8
30-Mar-98	--	--	0.01	0.5	--	0.005	150	--	--	--	8.7
22-Oct-98	0.11	< 0.003	0.007	0.5	< 0.005	< 0.005	100	< 0.05	< 0.01	< 0.02	8.6
10-Jun-99	0.09	< 0.003	0.008	0.4	< 0.005	< 0.005	160	< 0.05	< 0.01	0.02	7.7
7-Oct-99	--	--	--	--	--	0.005	180	--	--	--	8
11-May-00	--	--	--	--	--	< 0.005	190	--	--	--	8.2
19-Oct-00	0.08	< 0.003	0.008	0.5	< 0.005	< 0.005	190	< 0.05	< 0.01	< 0.02	7.5
6-Jun-01	0.23	< 0.003	0.035	0.4	< 0.005	< 0.005	140	< 0.02	< 0.01	< 0.02	13
12-Nov-01	--	--	< 0.010	0.4	--	< 0.005	140	--	--	--	6.5
31-May-02	--	--	0.013	0.4	--	< 0.005	140	--	--	--	6.5
21-Nov-02	0.09	< 0.003	< 0.010	0.4	< 0.005	< 0.005	150	< 0.05	< 0.01	< 0.02	5.1
16-May-03	0.15	< 0.003	0.013	0.4	< 0.005	0.006	150	< 0.05	< 0.01	< 0.02	5.6
18-Dec-03	--	--	0.015	0.5	--	< 0.005	170	--	--	--	5.7
27-May-04	--	--	0.012	0.4	--	< 0.005	140	--	--	--	5.7
14-Dec-04	--	--	< 0.010	0.4	--	< 0.005	140	--	--	--	5.2
11-May-05	< 0.05	< 0.003	0.017	< 0.3	< 0.005	< 0.005	92	< 0.05	< 0.01	< 0.04	3.8
17-Nov-05	--	--	0.014	0.8	--	< 0.005	120	--	--	--	3.9
29-Dec-06	0.1	< 0.003	< 0.010	0.5	< 0.005	< 0.005	170	< 0.05	< 0.01	< 0.02	7.5
27-Jun-07	--	--	< 0.010	0.4	--	< 0.005	140	--	--	--	4.7
31-Oct-08	< 0.05	< 0.003	< 0.010	0.3	< 0.005	< 0.005	120	< 0.05	< 0.01	< 0.02	0.1
1-Jun-09	--	--	--	--	--	< 0.005	160	--	--	--	5.9
20-Oct-10	--	--	--	--	--	--	61	--	--	--	1.5
15-Feb-11	--	--	--	--	--	--	190	--	--	--	6.3

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

GROUND WATER	TOTAL METALS										
	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
MW-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	—	—	—	—

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	—	—	—	—	—	—	—	—	—	—	—

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	—	—	—	—	—	—	—	—	—	—	—

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

ORGANIC PARAMETERS (DETECTED)

GROUND WATER	Dichlorodifluoro- methane (ug/l)	Chloromethane (ug/L)	TOTAL COMPOUNDS
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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	—	—	—	—

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-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

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	—	—	—	—	—	—

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	< 0.3	< 0.005	0.007	370	< 0.05	< 0.01	0.03	2.2
16-May-03	0.32	0.012	< 0.010	< 0.3	< 0.005	0.007	390	< 0.05	< 0.01	0.03	2
18-Dec-03	—	—	< 0.010	< 0.3	—	< 0.005	210	—	—	—	1.4
27-May-04	—	—	< 0.010	< 0.3	—	< 0.005	360	—	—	—	2.6
14-Dec-04	—	—	< 0.010	< 0.3	—	< 0.005	360	—	—	—	2.5
11-May-05	0.18	< 0.003	0.024	< 0.3	< 0.005	< 0.005	330	< 0.05	< 0.01	0.05	2.3
17-Nov-05	—	—	0.025	< 0.3	—	< 0.005	350	—	—	—	2.8
29-Dec-06	0.11	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	280	< 0.05	< 0.01	< 0.02	1.6
27-Jun-07	—	—	< 0.010	< 0.3	—	< 0.005	410	—	—	—	3.4
31-Oct-08	< 0.05	< 0.003	0.013	0.3	< 0.005	< 0.005	460	< 0.05	< 0.01	< 0.02	4.5
1-Jun-09	—	—	—	—	—	< 0.005	460	—	—	—	2.3
20-Oct-10	—	—	—	—	—	< 0.005	550	—	—	—	3.2
15-Feb-11	—	—	—	—	—	—	490	—	—	—	4.3

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	—	—	—	—

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	—	—	—	—	—	—	—	—	—	—	—	

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	--	--	--	--	--	--	--	--	--	--	--

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

ORGANIC PARAMETERS (DETECTED)

GROUND WATER	TOTAL COMPOUNDS
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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

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-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

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	—	—	—	—	—	—	—

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

GROUND WATER	TOTAL METALS										
	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	—	[0.003]	0.025	1	[0.003]	0.01	—	0.05	0.05	0.2	0.3
MW-65											
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

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	—	—	—	—

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

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

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

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

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

ORGANIC PARAMETERS (DETECTED)

GROUND WATER	TOTAL COMPOUNDS
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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	—	—

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

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

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	—	—	—

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

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

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

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

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

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

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	—	—	—	—	—	—	—	—	—	—	—

VAN BUREN LANDFILL (CLOSED) ONONDAGA COUNTY WATER QUALITY TEST DATA			
ORGANIC PARAMETERS (DETECTED)			
GROUND WATER	Methylene Chloride (ug/l)		TOTAL COMPOUN DS
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	—	—	—

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

	FIELD PARAMETERS				INORGANIC PARAMETERS					
				SPEC.						
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	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

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	—	—	—	—	—	—

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

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

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	—	—	—	—

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-85												
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	—	—	—	—	—	—	—	—	—	—	—	—

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	—	—	—	—	—	—	—	—	—	—	—

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		5	5	7	5	5	
MW-85	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	—	—	—	—	—	—	—

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-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

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	—	—	—	—	—	—	—	—	—

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

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	—	—	—	—

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	—	—	—	—	—	—	—	—	—	—	—	

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	—	—	—	—	—	—	—	—	—	—	—

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	—	—	—	—

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

	FIELD PARAMETERS				INORGANIC PARAMETERS					
				SPEC.				HARD.		
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	(mg/l CaCO ₃)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	—	—	6.5-8.5	—	15	5	—	—	500	250
MW-9S										
29-Mar-96	45	-60	7.6	740	—	38	350	300	400	11
20-Jun-96	52	285	7.3	620	90	85	210	300	370	10
5-Sep-96	59	25	7.8	860	—	182	290	370	430	11
12-Dec-96	46	55	7.7	540	—	277	300	340	410	13
28-Mar-97	45	165	7.7	480	—	40	340	280	390	15
4-Jun-97	52	180	7.7	630	—	48	320	330	400	15
30-Sep-97	54	65	7.7	710	16	12	300	310	480	15
9-Dec-97	46	135	7.9	770	—	49	390	270	420	20
31-Mar-98	54	-50	7.6	740	—	409	280	320	420	18
22-Oct-98	52	< -80	7.4	660	12	261	290	360	490	21
10-Jun-99	12	< -30	7.5	740	8	326	290	320	180	28
7-Oct-99	46	55	7.5	870	—	101	310	410	380	23
11-May-00	54	10	8.3	1050	—	398	280	350	400	31
19-Oct-00	55	10	8	630	12	22	310	350	440	36
6-Jun-01	54	-71	7.5	572	60	70	270	300	410	31
12-Nov-01	49	-61	8.1	480	—	45	280	—	420	21
31-May-02	53	-72	8	531	—	19	290	290	330	24
21-Nov-02	51	-52	7.3	680	11	16	300	320	410	23
20-May-03	49	-49	7.7	557	14	30	310	310	490	40
18-Dec-03	47	-108	8.9	455	—	10	260	320	480	52
27-May-04	51	-61	7.6	846	—	6	240	230	375	48
14-Dec-04	49	-76	8.5	609	—	16	410	250	498	62
11-May-05	52	-50	7.7	694	50	8	290	280	347	44
17-Nov-05	49	-50	7.7	718	—	4	200	240	527	46
29-Dec-06	46	-17	7.7	633	12	10	260	280	452	53
27-Jun-07	53	-68	7.2	421	—	32	260	310	410	62
31-Oct-08	50	-43	7.8	613	30	10	250	410	400	64
1-Jun-09	47	163	7.7	319	—	48	230	300	390	54
20-Oct-10	53	91	8.0	690	—	173	260	390	490	63

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	—	—	—	—	—	—	—

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	—	—	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

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

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

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

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

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	—	—	—	—	—	—	—	—	—	—	—

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	—	—	—

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

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	—

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

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	—	—	—	—

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

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	—	—	—	—	—	—	—	—	—	—	—

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	—	—

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-A (MILLER) KITCHEN TAP										
29-Mar-96	73	145	8.5	100	—	0.33	22	< 3	85	5
24-Jun-96	72	50	7.6	150	21	0.15	< 10	< 4	30	< 1
24-Oct-96	63	120	6.2	56	—	0.3	31	< 4	38	2
12-Dec-96	54	130	6.5	350	—	0.25	24	< 4	< 10	1
28-Mar-97	70	250	7.4	38	—	0.05	13	< 3	35	1
3-Jun-97	75	530	7.1	19	—	0.25	< 10	< 3	< 10	1
30-Sep-97	68	75	7.3	40	< 5	0.85	15	< 4	140	3
9-Dec-97	68	80	7.2	70	—	0.92	< 10	< 4	55	1
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
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										
29-Mar-96	27	—	< 0.2	< 0.5	—	—	< 20	< 1	< 0.005	—
24-Jun-96	5	1.2	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
24-Oct-96	12	—	< 0.2	< 0.5	—	—	< 20	< 1	< 0.005	—
12-Dec-96	5	—	< 0.2	< 0.5	—	—	28	< 1	< 0.005	—
28-Mar-97	7	—	< 0.2	< 0.5	—	—	< 20	< 1	< 0.005	—
3-Jun-97	< 5	—	< 0.2	< 0.5	—	—	< 20	< 1	< 0.005	—
30-Sep-97	45	1	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
9-Dec-97	8	—	< 0.2	< 0.5	—	—	< 20	< 1	< 0.005	—
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	—	—	—	—	—	—
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											
29-Mar-96	--	--	< 0.001	< 0.3	--	< 0.005	< 0.5	--	--	--	< 0.03
24-Jun-96	< 0.05	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.05	< 0.01	0.07	< 0.03
24-Oct-96	--	--	< 0.001	< 0.3	--	< 0.005	< 0.5	--	--	--	< 0.05
12-Dec-96	--	--	< 0.001	< 0.3	--	< 0.005	< 0.5	--	--	--	< 0.03
28-Mar-97	--	--	0.002	< 0.3	--	< 0.005	< 0.5	--	--	--	< 0.03
3-Jun-97	--	--	< 0.001	< 0.3	--	< 0.005	< 0.5	--	--	--	< 0.03
30-Sep-97	< 0.05	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.05	< 0.01	0.05	0.04
9-Dec-97	--	--	< 0.001	< 0.3	--	< 0.005	< 0.5	--	--	--	< 0.03
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	--	--	--	--	--
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											
29-Mar-96	0.013	< 0.5	< 0.02	< 0.0004	—	< 0.5	5	—	—	—	—
24-Jun-96	0.005	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.5	3.7	0.001	< 0.05	< 0.003	0.03
24-Oct-96	0.004	< 0.5	< 0.02	< 0.0004	—	< 0.5	8.5	—	—	—	—
12-Dec-96	0.004	< 0.5	< 0.02	< 0.0004	—	< 0.5	4.2	—	—	—	—
28-Mar-97	0.004	< 0.5	< 0.02	< 0.0004	—	< 0.5	4.2	—	—	—	—
3-Jun-97	0.003	< 0.5	< 0.02	< 0.0004	—	< 0.5	2.7	—	—	—	—
30-Sep-97	0.004	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.5	12	< 0.001	< 0.05	< 0.003	0.04
9-Dec-97	0.003	< 0.5	< 0.02	< 0.0004	—	< 0.5	4.9	—	—	—	—
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	—	—	—	—
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											
29-Mar-96	—	—	—	—	—	—	—	—	—	—	—
24-Jun-96	—	—	—	—	—	—	—	—	—	—	—
24-Oct-96	—	—	—	—	—	—	—	—	—	—	—
12-Dec-96	—	—	—	—	—	—	—	—	—	—	—
28-Mar-97	—	—	—	—	—	—	—	—	—	—	—
3-Jun-97	—	—	—	—	—	—	—	—	—	—	—
30-Sep-97	—	—	—	—	—	—	—	—	—	—	—
9-Dec-97	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—
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											
29-Mar-96	—	—	—	—	—	—	—	—	—	—	—
24-Jun-96	—	—	—	—	—	—	—	—	—	—	—
24-Oct-96	—	—	—	—	—	—	—	—	—	—	—
12-Dec-96	—	—	—	—	—	—	—	—	—	—	—
28-Mar-97	—	—	—	—	—	—	—	—	—	—	—
3-Jun-97	—	—	—	—	—	—	—	—	—	—	—
30-Sep-97	—	—	—	—	—	—	—	—	—	—	—
9-Dec-97	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—
28-Aug-08	—	—	—	—	—	—	—	—	—	—	—

VAN BUREN LANDFILL (CLOSED)					
ONONDAGA COUNTY					
WATER QUALITY TEST DATA					
ORGANIC MATERIALS (DETECTED)					
GROUND WATER		1,4-Dichloro- benzene	Toluene	Methylene Chloride	TOTAL COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	ANALYSIS METHOD	3 (ug/L)	5 (ug/L)	5 (ug/L)	
(MILLER) RW-A					
SYSTEM INFLUENT					
21-Nov-02	(EPA 601/602)	< 1	< 1	< 1	0
16-May-03	(EPA 601/602)	9	< 1	< 1	9
19-Dec-03	(EPA 601/602)	4	< 1	< 1	4
27-May-04	(EPA 601/602)	< 1	< 1	< 1	0
14-Dec-04	(EPA 601/602)	2	< 1	< 1	2
11-May-05	(EPA 601/602)	< 1	< 1	< 1	0
7-Jul-05	(EPA 601/602)	< 1	< 1	< 1	0
17-Nov-05	(EPA 601/602)	4	2	< 1	6
30-Jun-06	(EPA 601/602)	< 1	< 1	< 1	0
3-Jan-07	(EPA 601/602)	< 1	< 1	< 1	0
28-Jun-07	(EPA 601/602)	< 1	< 1	< 1	0
31-Dec-07	(EPA 601/602)	< 1	< 1	< 1	0
29-May-08	(EPA 601/602)	2.5	< 1	< 1	2.5
28-Aug-08	(EPA 601/602)	< 1	< 1	< 1	0
26-Nov-08	(EPA 601/602)	< 1	< 1	< 1	0
29-May-09	(EPA 601/602)	< 1	< 1	< 1	0
31-Dec-09	(EPA 601/602)	< 1	< 1	< 1	0
19-Feb-10	(EPA 601/602)	< 1	< 1	< 1	0
28-Jun-10	(EPA 601/602)	< 1	< 1	< 1	0
18-Nov-10	(EPA 601/602)	2.7	< 1	< 1	2.7

VAN BUREN LANDFILL (CLOSED) ONONDAGA COUNTY WATER QUALITY TEST DATA					
ORGANIC MATERIALS (DETECTED)					
GROUND WATER		1,4-Dichloro- benzene	Toluene	Methylene Chloride	TOTAL COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	3 ANALYSIS METHOD	(ug/L)	5 (ug/L)	5 (ug/L)	
SYSTEM IN-BETWEEN					
21-Nov-02	(EPA 601/602)	< 1	< 1	< 1	0
16-May-03	(EPA 601/602)	5	< 1	< 1	5
19-Dec-03	(EPA 601/602)	3	< 1	< 1	3
27-May-04	(EPA 601/602)	1	< 1	< 1	1
14-Dec-04	(EPA 601/602)	2	< 1	< 1	2
11-May-05	(EPA 601/602)	< 1	< 1	< 1	1
7-Jul-05	(EPA 601/602)	< 1	< 1	< 1	0
17-Nov-05	(EPA 601/602)	–	–	–	–
30-Jun-06	(EPA 601/602)	< 1	< 1	< 1	0
3-Jan-07	(EPA 601/602)	< 1	< 1	< 1	0
28-Jun-07	(EPA 601/602)	< 1	< 1	< 1	0
29-May-09	(EPA 601/602)	< 1	< 1	< 1	0
31-Dec-09	(EPA 601/602)	< 1	< 1	< 1	0
19-Feb-10	(EPA 601/602)	< 1	< 1	< 1	0
28-Jun-10	(EPA 601/602)	< 1	< 1	< 1	0
18-Nov-10	(EPA 601/602)	4.2	< 1	< 1	4.2
SYSTEM EFFLUENT					
19-Dec-03	(EPA 601/602)	6	< 1	< 1	6
27-May-04	(EPA 601/602)	3	< 1	< 1	3
14-Dec-04	(EPA 601/602)	7	< 1	< 1	7
11-May-05	(EPA 601/602)	2	< 1	< 1	2
17-Nov-05	(EPA 601/602)	8	< 1	< 1	8
30-Jun-06	(EPA 601/602)	< 1	< 1	< 1	0
3-Jan-07	(EPA 601/602)	< 1	< 1	< 1	0
28-Jun-07	(EPA 601/602)	< 1	< 1	< 1	0
31-Dec-07	(EPA 601/602)	2	< 1	< 1	2
29-May-08	(EPA 601/602)	< 1	< 1	< 1	0
26-Nov-08	(EPA 601/602)	< 1	< 1	< 1	0
29-May-09	(EPA 601/602)	< 1	< 1	< 1	0
31-Dec-09	(EPA 601/602)	< 1	< 1	< 1	0
19-Feb-10	(EPA 601/602)	< 1	< 1	1.8	1.8
28-Jun-10	(EPA 601/602)	< 1	< 1	< 1	0
18-Nov-10	(EPA 601/602)	3.7	< 1	< 1	3.7

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										
29-Mar-96	78	30	6.2	64	—	0.3	23	< 4	70	2
24-Jun-96	75	305	7.3	65	14	< 0.05	25	< 4	30	1
24-Oct-96	70	150	6.6	34	—	0.24	23	< 4	40	2
12-Dec-96	55	110	8.3	56	—	0.32	19	< 4	< 10	3
28-Mar-97	70	155	8.3	28	—	< 0.05	7	< 3	40	2
3-Jun-97	70	145	8	34	—	0.46	< 10	< 3	15	2
30-Sep-97	64	60	6.8	74	< 5	0.01	11	< 4	70	2
9-Dec-97	57	65	8.2	100	—	1.03	< 10	< 4	150	1
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

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)
GNYCRR Part 703 GROUNDWATER STANDARD	250	1	10	2	—	—	—	—	0.005	0.1
RW-B										
(Nolan)										
KITCHEN TAP										
29-Mar-96	11	—	<0.2	<0.5	—	—	<20	1	<0.005	—
24-Jun-96	21	1.5	<0.2	<0.5	<0.5	<4	<20	1	<0.005	<0.01
24-Oct-96	7	—	<0.2	<0.5	—	—	<20	<1	<0.005	—
12-Dec-96	9	—	<0.2	<0.5	—	—	22	<1	<0.005	—
28-Mar-97	7	—	<0.2	<0.5	—	—	<20	<1	<0.005	—
3-Jun-97	<5	—	<0.2	<0.5	—	—	<20	3	<0.005	—
30-Sep-97	7	1.1	<0.2	<0.5	<0.5	<4	<20	<1	<0.005	<0.01
9-Dec-97	6	—	<0.2	<0.5	—	—	<20	<1	<0.005	—
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	—	0.085	<0.5	<0.5	—	<20	<3	<0.005	—
18-Nov-10	71.2	—	—	—	—	—	—	—	<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											
29-Mar-96	—	—	0.002	< 0.3	—	< 0.005	< 0.5	—	—	—	0.04
24-Jun-96	0.06	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.5	< 0.01	< 0.02	0.07
24-Oct-96	—	—	< 0.001	< 0.3	—	< 0.005	< 0.5	—	—	—	< 0.03
12-Dec-96	—	—	< 0.001	< 0.3	—	< 0.005	< 0.5	—	—	—	0.04
28-Mar-97	—	—	0.002	< 0.3	—	< 0.005	< 0.5	—	—	—	< 0.03
3-Jun-97	—	—	< 0.001	< 0.3	—	< 0.005	< 0.5	—	—	—	0.03
30-Sep-97	< 0.05	< 0.003	0.003	< 0.3	< 0.005	< 0.005	< 0.5	< 0.5	< 0.01	< 0.02	0.05
9-Dec-97	—	—	< 0.001	< 0.3	—	< 0.005	< 0.5	—	—	—	0.04
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

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											
29-Mar-96	0.003	< 0.5	< 0.02	< 0.0004	—	< 0.05	7.2	—	—	—	—
24-Jun-96	0.002	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.05	12	0.001	< 0.05	< 0.003	0.03
24-Oct-96	0.004	< 0.5	< 0.02	< 0.0004	—	< 0.05	5.9	—	—	—	—
12-Dec-96	< 0.001	< 0.5	< 0.02	< 0.0004	—	< 0.05	7.8	—	—	—	—
28-Mar-97	0.01	< 0.5	< 0.02	< 0.0004	—	< 0.05	4.7	—	—	—	—
3-Jun-97	0.002	< 0.5	< 0.02	< 0.0004	—	< 0.05	4.6	—	—	—	—
30-Sep-97	0.008	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.05	4.2	< 0.001	< 0.05	< 0.003	0.01
9-Dec-97	0.003	< 0.5	< 0.02	< 0.0004	—	< 0.05	4.4	—	—	—	—
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	—	—	—	—

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											
29-Mar-96	--	--	--	--	--	--	--	--	--	--	--
24-Jun-96	--	--	--	--	--	--	--	--	--	--	--
24-Oct-96	--	--	--	--	--	--	--	--	--	--	--
12-Dec-96	--	--	--	--	--	--	--	--	--	--	--
28-Mar-97	--	--	--	--	--	--	--	--	--	--	--
3-Jun-97	--	--	--	--	--	--	--	--	--	--	--
30-Sep-97	--	--	--	--	--	--	--	--	--	--	--
9-Dec-97	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--

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											
29-Mar-96	—	—	—	—	—	—	—	—	—	—	—
24-Jun-96	—	—	—	—	—	—	—	—	—	—	—
24-Oct-96	—	—	—	—	—	—	—	—	—	—	—
12-Dec-96	—	—	—	—	—	—	—	—	—	—	—
28-Mar-97	—	—	—	—	—	—	—	—	—	—	—
3-Jun-97	—	—	—	—	—	—	—	—	—	—	—
30-Sep-97	—	—	—	—	—	—	—	—	—	—	—
9-Dec-97	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—

VAN BUREN LANDFILL (CLOSED)			
ONONDAGA COUNTY			
WATER QUALITY TEST DATA			
ORGANIC MATERIALS (DETECTED)			
GROUND WATER	TOTAL COMPOUNDS (DETECTED)		
6NYCRR Part 703 GROUNDWATER STANDARD	ANALYSIS METHOD	Toluene	5 (ug/L)
(NOLAN)			
RW-B			
KITCHEN TAP			
29-Mar-96	—	—	—
24-Jun-96	(EPA 601/602)	< 1	0
24-Oct-96	—	—	—
12-Dec-96	—	—	—
28-Mar-97	—	—	—
3-Jun-97	—	—	—
30-Sep-97	(EPA 601/602)	< 1	0
9-Dec-97	—	—	—
30-Mar-97	—	—	—
9-Dec-97	(EPA 601/602)	< 1	0
30-Mar-98	(EPA 601/602)	< 1	0
22-Oct-98	—	—	—
10-Jun-99	(EPA 601/602)	< 1	0
11-May-00	(EPA 601/602)	< 1	0
19-Oct-00	—	—	—
6-Jun-01	(EPA 601/602)	< 1	0
12-Nov-01	(EPA 601/602)	< 1	0
31-May-02	(EPA 601/602)	< 1	0
27-Mar-02	(EPA 601/602)	< 1	0
21-Nov-02	(EPA 601/602)	< 1	0
16-May-03	(EPA 601/602)	< 1	0
19-Dec-03	(EPA 601/602)	< 1	0
27-May-04	(EPA 601/602)	< 1	0
14-Dec-04	(EPA 601/602)	< 1	0
11-May-05	(EPA 601/602)	< 1	0
17-Nov-05	(EPA 601/602)	3	3
30-Jun-06	(EPA 601/602)	< 1	0
28-Jun-07	(EPA 601/602)	< 1	0
31-Dec-07	(EPA 601/602)	< 1	0
29-May-08	(EPA 601/602)	< 1	0
26-Nov-08	(EPA 601/602)	< 1	0
29-May-09	(EPA 601/602)	< 1	0
31-Dec-09	(EPA 601/602)	< 1	0
19-Feb-10	(EPA 601/602)	< 1	0
25-Jun-10	(EPA 601/602)	< 0	-1
18-Nov-10	(EPA 601/602)	< 1	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 CaCO3)	HARD. (mg/L CaCO3)	TDS (mg/L)	Cl (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	—	—	6.5-8.5	—	15	5	—	—	500	250
RW-C (Davis) KITCHEN TAP										
29-Mar-96	66	-25	7.4	78	—	0.2	11	< 4	33	2
24-Jun-96	75	315	7.3	50	19	0.51	25	< 4	13	2
9-Sep-96	70	85	7.8	50	—	0.18	13	< 4	15	< 1
12-Dec-96	70	195	8.1	100	—	0.64	16	< 4	28	5
28-Mar-97	70	155	8.3	21	—	0.84	5	< 3	< 10	2
3-Jun-97	64	415	5.8	43	—	0.46	< 10	< 3	18	2
30-Sep-97	63	400	6.8	50	< 5	1.2	16	< 5	13	4
9-Dec-97	59	100	8	90	—	< 0.05	< 10	< 4	53	1
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

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										
29-Mar-96	< 5.0	—	< 0.2	< 0.5	—	—	< 20	< 1	< 0.005	—
24-Jun-96	< 0.5	1.8	< 0.2	< 0.5	< 0.5	< 4	20	3	< 0.005	< 0.01
9-Sep-96	< 5.0	—	< 0.2	< 0.5	—	—	< 20	< 1	< 0.005	—
12-Dec-96	25	—	< 0.2	< 0.5	—	—	< 20	< 1	< 0.005	—
28-Mar-97	5	—	< 0.2	< 0.5	—	—	< 20	1	< 0.005	—
3-Jun-97	< 5.0	—	< 0.2	< 0.5	—	—	< 20	< 1	< 0.005	—
30-Sep-97	18	1.9	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
9-Dec-97	< 5.0	—	< 0.2	< 0.5	—	—	< 20	< 1	< 0.005	—
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	—	—	—	—	—	—	—

VAN BUREN LANDFILL (CLOSED) ONONDAGA COUNTY WATER QUALITY TEST DATA											
TOTAL METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	—	[0.003]	0.025	1	[0.003]	0.01	—	0.05	0.05	0.2	0.3
RW-C (Davis) KITCHEN TAP											
29-Mar-96	—	—	0.002	< 0.3	—	< 0.005	< 0.5	—	—	—	< 0.03
24-Jun-96	< 0.05	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.05	< 0.01	< 0.05	0.1
9-Sep-96	—	—	< 0.001	< 0.3	—	< 0.005	< 0.5	—	—	—	0.04
12-Dec-96	—	—	< 0.001	< 0.3	—	< 0.005	< 0.5	—	—	—	0.07
28-Mar-97	—	—	< 0.001	< 0.3	—	< 0.005	< 0.5	—	—	—	< 0.03
3-Jun-97	—	—	< 0.001	< 0.3	—	< 0.005	< 0.5	—	—	—	< 0.03
30-Sep-97	< 0.05	< 0.003	0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.05	< 0.01	< 0.02	< 0.03
9-Dec-97	—	—	0.002	< 0.3	—	< 0.005	< 0.5	—	—	—	< 0.03
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

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

TOTAL METALS											
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
RW-C											
(Davis)											
KITCHEN TAP											
29-Mar-96	0.004	< 0.5	< 0.02	< 0.0004	—	< 0.05	3.3	—	—	—	—
24-Jun-96	0.002	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.05	11	< 0.001	< 0.05	< 0.003	0.03
9-Sep-96	0.004	< 0.5	< 0.02	< 0.0004	—	< 0.05	5.8	—	—	—	—
12-Dec-96	0.001	< 0.5	< 0.02	< 0.0004	—	< 0.05	15	—	—	—	—
28-Mar-97	0.002	< 0.5	< 0.02	< 0.0004	—	< 0.05	3.6	—	—	—	—
3-Jun-97	0.002	< 0.5	< 0.02	< 0.0004	—	< 0.05	4.2	—	—	—	—
30-Sep-97	0.002	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.05	4.2	< 0.001	< 0.05	< 0.003	0.01
9-Dec-97	0.002	< 0.5	< 0.02	< 0.0004	—	< 0.05	3.4	—	—	—	—
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	—	—	—	—

VAN BUREN LANDFILL (CLOSED)												
ONONDAGA COUNTY												
WATER QUALITY TEST DATA												
TOTAL METALS												
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)	
6NYCRR Part 703 GROUNDWATER STANDARD	—	[0.003]	0.025	1	[0.003]	0.01	—	0.05	0.05	0.2	0.3	
RW-C												
(Davis)												
KITCHEN TAP												
29-Mar-96	—	—	—	—	—	—	—	—	—	—	—	—
24-Jun-96	—	—	—	—	—	—	—	—	—	—	—	—
9-Sep-96	—	—	—	—	—	—	—	—	—	—	—	—
12-Dec-96	—	—	—	—	—	—	—	—	—	—	—	—
28-Mar-97	—	—	—	—	—	—	—	—	—	—	—	—
3-Jun-97	—	—	—	—	—	—	—	—	—	—	—	—
30-Sep-97	—	—	—	—	—	—	—	—	—	—	—	—
9-Dec-97	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—	—

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											
29-Mar-96	—	—	—	—	—	—	—	—	—	—	—
24-Jun-96	—	—	—	—	—	—	—	—	—	—	—
9-Sep-96	—	—	—	—	—	—	—	—	—	—	—
12-Dec-96	—	—	—	—	—	—	—	—	—	—	—
28-Mar-97	—	—	—	—	—	—	—	—	—	—	—
3-Jun-97	—	—	—	—	—	—	—	—	—	—	—
30-Sep-97	—	—	—	—	—	—	—	—	—	—	—
9-Dec-97	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—

VAN BUREN LANDFILL (CLOSED)						
ONONDAGA COUNTY						
WATER QUALITY TEST DATA						
ORGANIC MATERIALS (DETECTED)						
GROUND WATER		1,4-Dichloro-benzene	Bromoform	Toluene	Methylene Chloride	TOTAL COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	ANALYSIS METHOD	3 (ug/L)	[50] (ug/L)	5 (ug/L)	5 (ug/L)	
(DAVIS)						
RW-C KITCHEN TAP						
29-Mar-96	—	—	—	—	—	—
24-Jun-96	(EPA 601/602)	< 1	< 1	< 1	< 1	0
9-Sep-96	—	—	—	—	—	—
12-Dec-96	—	—	—	—	—	—
28-Mar-97	—	—	—	—	—	—
3-Jun-97	—	—	—	—	—	—
30-Sep-97	(EPA 601/602)	< 1	< 1	< 1	< 1	0
9-Dec-97	—	—	—	—	—	—
31-Mar-98	—	—	—	—	—	—
22-Oct-98	(EPA 601/602)	< 1	< 1	< 1	< 1	0
10-Jun-99	(EPA 601/602)	< 1	< 1	< 1	< 1	0
11-May-00	—	—	—	—	—	—
19-Oct-00	(EPA 601/602)	7	< 1	< 1	< 1	7
19-Jan-01	(EPA 601/602)	< 1	< 1	< 1	< 1	0
6-Jun-01	(EPA 601/602)	< 1	< 1	< 1	< 1	0
12-Nov-01	—	—	—	< 1	< 1	—
31-May-02	(EPA 601/602)	< 1	< 1	< 1	< 1	0
27-Mar-02	(EPA 601/602)	< 1	< 1	< 1	< 1	0
21-Nov-02	(EPA 601/602)	< 1	< 1	< 1	< 1	0
16-May-03	(EPA 601/602)	11	< 1	< 1	< 1	11
1-Aug-03	(EPA 601/602)	< 1	2	< 1	< 1	2
19-Dec-03	(EPA 601/602)	< 1	< 1	< 1	< 1	0
27-May-04	(EPA 601/602)	< 1	< 1	< 1	< 1	0
14-Dec-04	(EPA 601/602)	< 1	< 1	< 1	< 1	0
11-May-05	(EPA 601/602)	< 1	< 1	< 1	< 1	0
17-Nov-05	(EPA 601/602)	< 1	< 1	3	< 1	3
29-Jun-06	(EPA 601/602)	< 1	< 1	< 1	< 1	0
28-Jun-07	(EPA 601/602)	< 1	< 1	< 1	< 1	0
31-Dec-07	(EPA 601/602)	< 1	< 1	< 1	< 1	0
29-May-08	(EPA 601/602)	< 1	< 1	< 1	< 1	0
20-Aug-08	(EPA 601/602)	—	—	—	—	—
26-Nov-08	(EPA 601/602)	< 1	< 1	< 1	< 1	0
29-May-09	(EPA 601/602)	< 1	< 1	< 1	< 1	0
31-Dec-09	(EPA 601/602)	< 1	< 1	< 1	< 1	0
19-Feb-10	(EPA 601/602)	< 1	< 1	< 1	1.5	1.5
6/25/2010	(EPA 601/602)	< 1	< 1	< 1	< 1	0
11/18/2010	(EPA 601/602)	< 1	< 1	< 1	1.3	1.3

Appendix E

Upstate Laboratories
Town of Van Buren, Gas Point Survey Log

Date: 9/27/2010
 Logged by: Dan Aumell & Eric Metz
 Instrument Model: GEM 2000
 Barometric Pressure: 29.5
 Wind Velocity (mph): 7.5
 Temperature (*F): 67

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

NIR = No Instrument Response

Certificate of Calibration included

Dan Aumell

Upstate Laboratories
Town of Van Buren Gas Vent Survey Log

Date: 9/27/2010
 Logged by: Dan Aumell & Eric Metz
 Instrument Model: GEM 2000
 Barometric Pressure: 29.5
 Wind Velocity (mph): 7.5
 Temperature (*F): 67

Gas Monitoring Vent Location	Gas Reading (% Volume)	Comments
GV-1	NIR	
GV-2	0.09	
GV-3	NIR	
GV-4	NIR	
GV-5	NIR	
GV-6	NIR	
GV-7	0.05	
GV-8	NIR	
GV-9	NIR	
GV-10	NIR	
GV-11	NIR	
GV-12	0.17	
GV-13	NIR	
GV-14	NIR	
GV-15	NIR	
GV-16	NIR	
GV-17	0.18	
GV-18	NIR	
GV-19	0.11	
GV-20	NIR	
GV-21	NIR	
GV-22	NIR	
GV-23	0.71	
GV-24	0.74	
GV-25	NIR	
GV-26	0.61	
GV-27	1.53	
GV-28	1.40	
GV-29	NIR	
GV-30	NIR	

NIR = No Instrument Response

Certificate of Calibration included




Pine Environmental Services, Inc

1900 Brewerton Road, Mattydale, NY 13211

877-903-PINE(Toll-Free)

315-455-5100(Phone)

315-455-5130(Fax)

pine-ny@pine-environmental.com

Certificate of GEM 2000 Calibration

GEM 2000 Serial Number GM08053/04 was calibrated to the manufacturer's specifications with NIST standards.

Model: 2000

Pine No: 6489

Serial No: GM08053/04

lot Number:012370 (EXP: 4/2011)

Calibration Standard	Instrument Output	Allowable Range	% Difference
CO: 50PPM	50PPM	47.5-52.5 PPM	0%
H2S: 25PPM	25PPM	23.75-26.25 PPM	0%
Oxygen: 20.9%	20.9%	19.86-21.94 %	0%

lot Number:10759 (9/22/2012)

Calibration Standard	Instrument Output	Allowable Range	% Difference
Carbon Dioxide: 15%	15%	14.25-15.75 %	0%
Methane: 15%	15%	14.25-15.75 %	0%

Environmental Conditions of Test Area:

Temperature Degree 72 %Relative Humidity 49
F:

Calibrated By: Joseph Filippi

Date: 9/27/2010 9:35:00 AM

All instruments are calibrated by Pine Environmental Services, Inc. according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services, Inc. of any defect within 24 hours of receipt of equipment
Please call 877-903-PINE for Technical Assistance

See attached packing list