

Town of Van Buren

Kingdom Road Landfill (Closed)

Environmental Monitoring Report

2013 Second Quarter

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

Sample Collection Information

Sampling Firm: Upstate Laboratories, Inc. (ULI)

Sampling Date(s): May 30, June 4, June 6, 2013

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: Certified Environmental Services, Inc (CES)

7280 Caswell Street
North Syracuse, New York 13212
NYSDOH I.D. # 11246

2013 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	-	R	-	-*
2012	-	-*	-	B
2013	-	R	-	-*
2014	-	-*	-	R
2015	-	B	-	-*

Notes:

R = 1988 NYSDEC Part 360 Routine Parameters

B = 1988 NYSDEC Part 360 Baseline Parameters

- = Sampling not required

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

Assessment of Monitoring Results

Introduction

This report represents the results of environmental monitoring performed during the second quarter 2013 for the closed Town of Van Buren Landfill, Onondaga County, New York. It should be noted that the monitoring frequency was granted a reduction in a NYSDEC letter dated March 14, 2006 from a bi-annual to an annual frequency. Residential locations are still required to be sampled bi-annually. The environmental monitoring points at the closed landfill facility consist of four groundwater monitoring wells screened in the underlying bedrock unit (MW-5D, MW-6D, MW-8D, and MW-9D) and three residential wells (RW-A, RW-B, and RW-C).

Environmental monitoring activities at the Town of Van Buren Landfill were performed in accordance with the NYSDEC- approved Post-Closure Monitoring and Maintenance Manual prepared by Clough, Harbour & Associates (1995) and associated monitoring reduction letter request (Barton & Loguidice, P.C., March 2006). A field sampling team from Analytic Laboratories, LLC, of Syracuse, New York, was responsible for the collection of landfill gas and groundwater samples during the second quarter 2013, and Certified Environmental Services, Inc (CES) was responsible for the laboratory analyses of these samples.

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

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

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

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

Groundwater (Overburden)

The 2013 groundwater quality results for the overburden deposits at the Town of Van Buren Landfill are summarized in the tables included in Appendix D. These tables also present the historical overburden groundwater sampling results for comparison purposes. Water quality results for the overburden deposits at the landfill site are evaluated by the results from the three (3) downgradient monitoring wells (MW-5S, MW-8S, and MW-9S) to the up-gradient monitoring well (MW-6S) and to applicable water quality standards. Table 1 summarizes the monitoring well locations and parameters that exceed water quality standards during the

second quarter 2013 sampling event. As discussed below, the overburden groundwater quality results for the second quarter of 2013 are generally consistent with historical levels.

The three monitoring locations (MW-5S, MW-8S, and MW-9S), which represent downgradient water quality for the overburden unit, were noted for exceeding parameters above Part 703 groundwater standards including total dissolved solids, turbidity, and total metals (iron, magnesium, manganese, and sodium). A listing of exceedances at each location is included in Table 1. The overburden unit water quality reported for the second quarter 2013 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 2013 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 2013 second 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 dissolved solids. 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, and sodium.

The bedrock groundwater quality concentrations reported for the 2013 monitoring event have remained consistent with prior sampling rounds (see Appendix D). Continued monitoring of the water quality in the bedrock unit will allow further assessment to be made regarding the influence of the landfill capping system on the downgradient water quality at the site.

Leachate Seeps

The leachate seep locations which were initially sampled and tested during the First Quarter of 1996 were observed to be dry during the second quarter of 2013 and therefore no samples were collected. The previously analyzed samples collected from the leachate seep locations revealed only slight elevated parameter concentrations and were therefore considered to be of little concern or impact to the surrounding environment.

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

Landfill Gas

Explosive gas surveys were conducted by Analytic Laboratories personnel at the closed Town of Van Buren Landfill to verify that decomposition gases generated by the landfill are being adequately controlled by the gas venting system. Gas readings were taken around the perimeter of the landfill using a Methane Gas Detector Model 7291. Explosive gas readings were collected by inserting a probe attached to the gas meter into a small diameter probe hole

advanced approximately one (1) foot below ground surface. If any of the observed gas readings exceeded 25% of the lower explosive limit (L.E.L.) of methane, three (3) additional offset probe holes would have been installed as follows: 25 feet from the original sample location in a direction away from the waste mass ("A" offset), 25 feet towards the previous perimeter explosive gas survey point ("B" offset), and 25 feet in the direction towards the next perimeter explosive gas survey point ("C" offset).

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

Residential Wells

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

During the second quarter of 2013, the residential locations were monitored for 1988 Part 360 routine analyses with additional analysis of VOCs by EPA method 601/602 analysis. The

results of this sampling event were generally consistent with historical results. The exceedance of total sodium is likely attributed to a maintenance issue with the water softening system.

During the second quarter monitoring event, the water quality at all three residential locations was generally comparable to historical data. The Nolan residence has seen an increase in sulfate over the last five sampling times and the residents complained of a sulfur odor in their hot water at the end of the summer 2012. As a result, the Town installed a hydrogen peroxide system at the Nolan residence. The water treatment systems at all three residences were replaced in July 2011 due to the age of the prior systems and frequency of maintenance required.

Quality Control

Duplicate Sample Comparison

Precision and accuracy are measurements of reproducibility and the degree to which data approximate true values. Defining acceptance limits for QC measurements associated with all reported data controls these data qualities. The second quarter data package contains one duplicate sample collected at monitoring location MW-9D. The comparison for the duplicate sample did not yield any discrepancies above the established 20% RPD criteria.

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

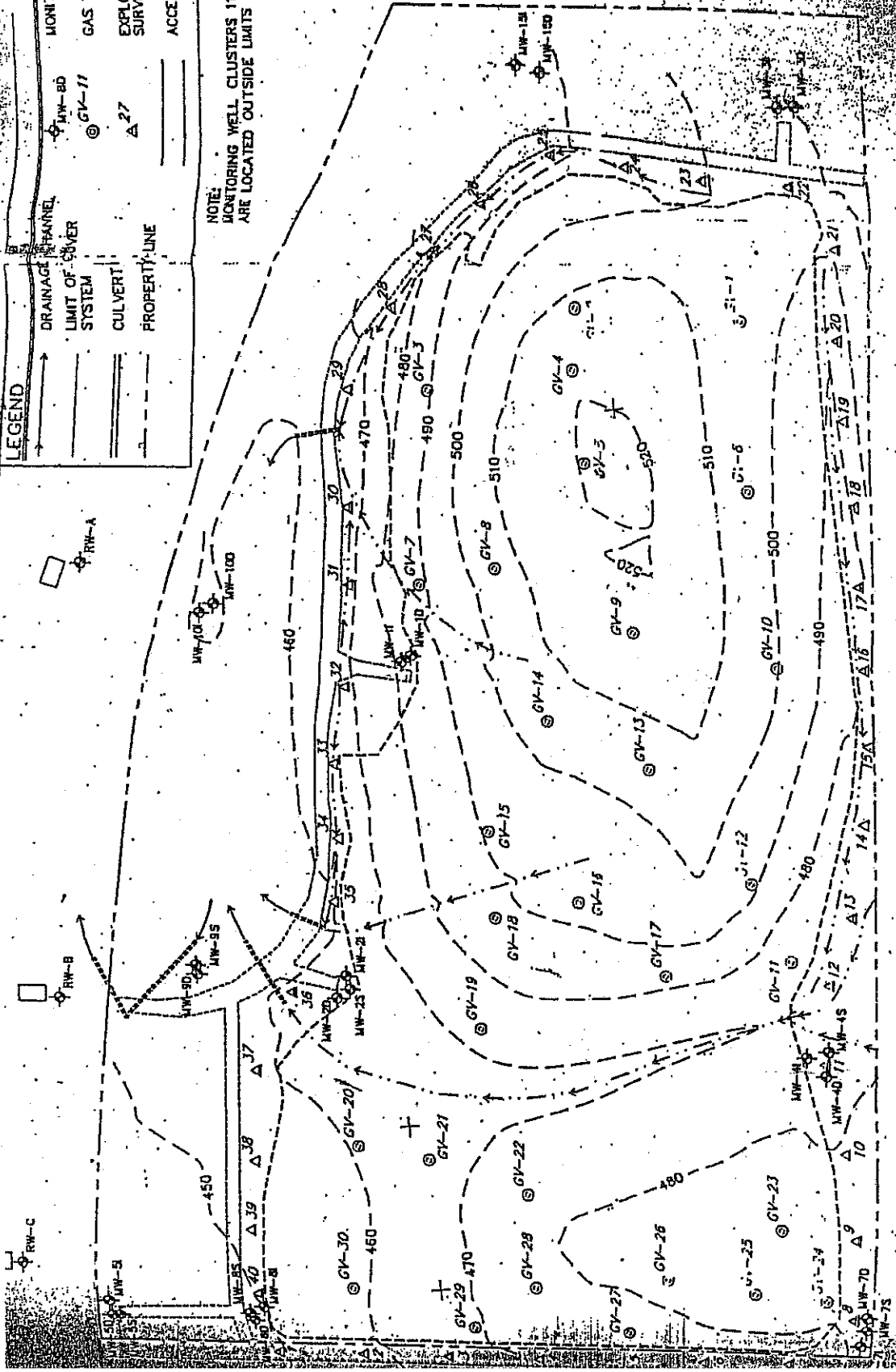
The analytical data collected from the second quarter was generally closely reproduced. The number of RPD discrepancies has improved compared to previous comparisons since the laboratory reviewed field collection procedures.

Appendix A

LEGEND

- DRAINAGE CHANNEL
- LIMIT OF COVER SYSTEM
- CULVERT
- PROPERTY LINE
- MONITORING WELL
- GW-80
- GW-11
- GW-27
- GAS VENT
- EXPLOSIVE GAS SURVEY POINT
- ACCESS ROAD

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



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

DATE: NOVEMBER, 1995

SCALE: 1" = 100'

Appendix B

Analytic LLC

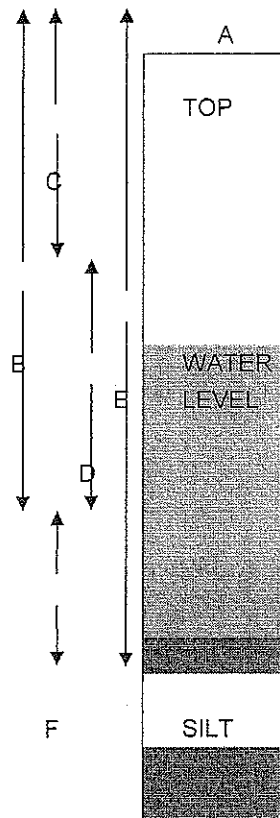
Ground water Field Log

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

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

LAB 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>19.61</u>	feet
C.	Depth to Water	<u>8.9</u>	feet
D.	Length of Water Column (calculated)	<u>10.71</u>	feet
	Conversion Factor	<u>X .16</u>	----
	Well Volume (calculated)	<u>1.7136</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	----
	Total Volume to be Evacuated	<u>5.1408</u>	gallons
	Actual Volume Evacuated	<u>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>6/4/13</u>	<u>6/4/13</u>	<u>6/4/13</u>	<u>6/4/13</u>	<u>6/4/13</u>
Time	<u>11:56 AM</u>	<u>12:06 PM</u>	<u>12:17 PM</u>	<u>12:28 PM</u>	<u>12:41 PM</u>
ORP	<u>176 mV</u>	<u>199 mV</u>	<u>217 mV</u>	<u>225 mV</u>	<u>225 mV</u>
Temperature	<u>12.6 C</u>	<u>11.0 C</u>	<u>11.2 C</u>	<u>10.9 C</u>	<u>11.4 C</u>
pH	<u>7.77</u>	<u>7.86</u>	<u>7.8</u>	<u>7.9</u>	<u>7.8</u>
Specific Cond.	<u>699 µS</u>	<u>664 µS</u>	<u>662 µS</u>	<u>660 µS</u>	<u>661 µS</u>
Turbidity	<u>43.77 NTU</u>	<u>5.93 NTU</u>	<u>2.62 NTU</u>	<u>7.93 NTU</u>	<u>8.71 NTU</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>sl. cloudy</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>

% Recharge:		
Initial Depth to Water	<u>8.9</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: 67 F Sunny
 Observations: _____

Sampler: James Soucy
 Signature: _____

Analytic LLC

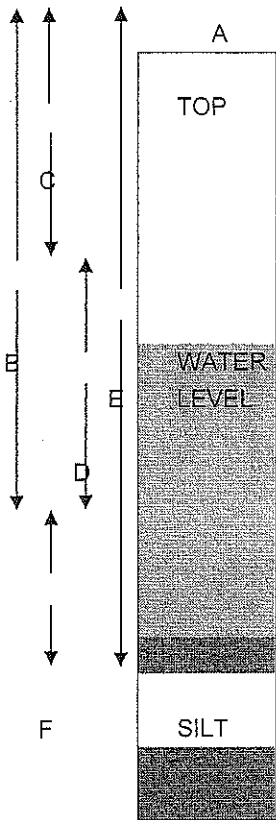
Ground water Field Log

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

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

LAB 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>62.6</u>	feet
C.	Depth to Water	<u>24.22</u>	feet
D.	Length of Water Column (calculated)	<u>38.38</u>	feet
	Conversion Factor	<u>X .16</u>	----
	Well Volume (calculated)	<u>6.1408</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	----
	Total Volume to be Evacuated	<u>18.4224</u>	gallons
	Actual Volume Evacuated	<u>9</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	First Volume	Second Volume	Third Volume	Final Sampling
Date	<u>6/4/13</u>	<u>6/4/13</u>	<u>6/4/13</u>		<u>6/4/13</u>
Time	<u>1:02 PM</u>	<u>1:18 PM</u>	<u>1:37 PM</u>		<u>2:35 PM</u>
ORP	<u>236 mV</u>	<u>234 mV</u>	<u>243 mV</u>		<u>218 mV</u>
Temperature	<u>12.6 C</u>	<u>12.7 C</u>	<u>13.0 C</u>		<u>13.8 C</u>
pH	<u>7.95</u>	<u>7.69</u>	<u>7.72</u>		<u>7.62</u>
Specific Cond.	<u>708 µS</u>	<u>745 µS</u>	<u>760 µS</u>		<u>748 µS</u>
Turbidity	<u>72 NTU</u>	<u>239 NTU</u>	<u>600 NTU</u>		<u>490 NTU</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>ext cloudy</u>		<u>ext cloudy</u>

% Recharge:		
Initial Depth to Water	<u>24.22</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: 67 F Sunny
 Observations: Water ran out at 9 gallons. Allowed to recharge for 1 hour.
Limited sample, water is reddish brown. Dissolved metals collected

Sampler: James Soucy
 Signature: [Signature]

Enalytic LLC

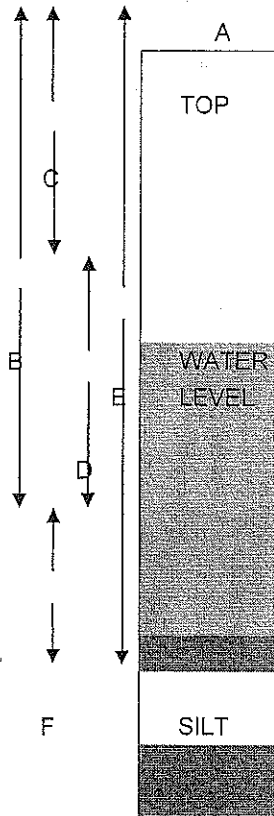
Ground water Field Log

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

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-5S

LAB 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>40</u>	feet
C.	Depth to Water	<u>30.7</u>	feet
D.	Length of Water Column (calculated)	<u>9.3</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>1.488</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>4.464</u>	gallons
	Actual Volume Evacuated	<u>4</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	First Volume	Second Volume	Third Volume	Final Sampling	% Recharge:
Date	<u>6/6/13</u>	<u>6/6/13</u>	<u>6/6/13</u>		<u>6/6/13</u>	Initial Depth to Water <u>30.7</u> feet
Time	<u>2:37 PM</u>	<u>2:40 PM</u>	<u>2:43 PM</u>		<u>2:46 PM</u>	Recharge Depth to Water <u>N/A</u> feet
ORP	<u>2 mV</u>	<u>-4 mV</u>	<u>-4 mV</u>		<u>-7 mV</u>	2nd water column height <u>N/A</u> %
Temperature	<u>14.1 C</u>	<u>13 C</u>	<u>13.1 C</u>		<u>12.9 C</u>	1st water column height
pH	<u>6.93</u>	<u>7.16</u>	<u>7.19</u>		<u>7.23</u>	
Specific Cond.	<u>1115 µS</u>	<u>1163 µS</u>	<u>1088 µS</u>		<u>1091 µS</u>	
Turbidity	<u>80 NTU</u>	<u>6.27 NTU</u>	<u>2.51 NTU</u>		<u>1.84 NTU</u>	Elevation(Top of Casing) <u>N/A</u> feet
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	G.W. Elevation= <u>N/A</u> feet
Appearance	<u>cloudy</u>	<u>clear</u>	<u>clear</u>		<u>clear</u>	G.W.Elevation =Top of Case Elev-Total Depth

Weather: 63 F Raining
 Observations: _____

Sampler: James Soucy
 Signature: _____

Analytic LLC

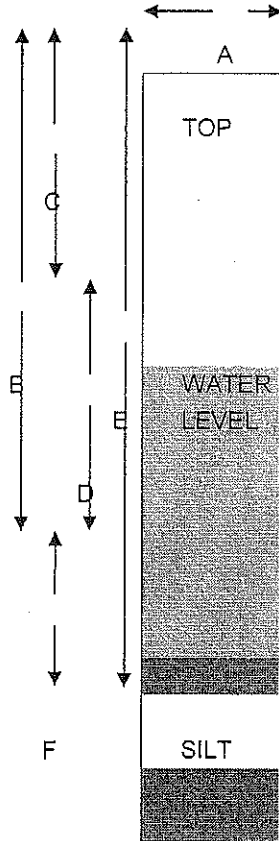
Ground water Field Log

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

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-5D

LAB 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>75.5</u>	feet
C.	Depth to Water	<u>29.3</u>	feet
D.	Length of Water Column (calculated)	<u>46.2</u>	feet
	Conversion Factor	<u>X .16</u>	----
	Well Volume (calculated)	<u>7.392</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	----
	Total Volume to be Evacuated	<u>22.176</u>	gallons
	Actual Volume Evacuated	<u>13</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	First Volume	Second Volume	Third Volume	Final Sampling
Date	<u>6/6/13</u>	<u>6/6/13</u>	<u>6/6/13</u>		<u>6/6/13</u>
Time	<u>1:43 PM</u>	<u>1:57 PM</u>	<u>2:12 PM</u>		<u>2:35 PM</u>
ORP	<u>148 mV</u>	<u>106 mV</u>	<u>-4 mV</u>		<u>-31 mV</u>
Temperature	<u>14.8 C</u>	<u>14.8 C</u>	<u>15.5 C</u>		<u>15.2 C</u>
pH	<u>7.36</u>	<u>7.32</u>	<u>7.38</u>		<u>7.38</u>
Specific Cond.	<u>2.22 mS</u>	<u>2.24 mS</u>	<u>2.29 mS</u>		<u>2.34 mS</u>
Turbidity	<u>30.53 NTU</u>	<u>37.67 NTU</u>	<u>12.57 NTU</u>		<u>29.69 NTU</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>		<u>N/A</u>
Appearance	<u>sl. cloudy</u>	<u>sl. cloudy</u>	<u>sl. cloudy</u>		<u>sl. cloudy</u>

% Recharge:	
Initial Depth to Water	<u>29.3</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: 63 F Raining
 Observations: MS/MSD

Sampler: James Soucy

Signature: _____

Enalytic LLC

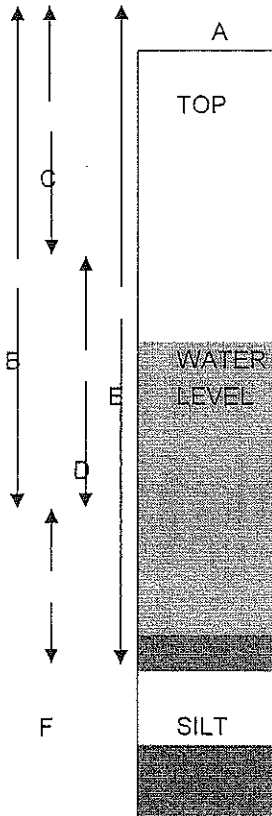
Ground water Field Log

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

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

LAB 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>39.6</u>	feet
C.	Depth to Water	<u>32.9</u>	feet
D.	Length of Water Column (calculated)	<u>6.7</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>1.072</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>3.216</u>	gallons
	Actual Volume Evacuated	<u>3.5</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>6/6/13</u>	<u>6/6/13</u>	<u>6/6/13</u>		<u>6/6/13</u>
Time	<u>1:22 PM</u>	<u>1:25 PM</u>	<u>1:28 PM</u>		<u>1:31 PM</u>
ORP	<u>30 mV</u>	<u>62 mV</u>	<u>91 mV</u>		<u>121 mV</u>
Temperature	<u>12.5 C</u>	<u>12.4 C</u>	<u>11.6 C</u>		<u>12.2 C</u>
pH	<u>7.03</u>	<u>7.04</u>	<u>7.04</u>		<u>7.14</u>
Specific Cond.	<u>1030 µS</u>	<u>983 µS</u>	<u>983 µS</u>		<u>998 µS</u>
Turbidity	<u>13.68 NTU</u>	<u>7.14 NTU</u>	<u>4.03 NTU</u>		<u>1.43 NTU</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>sl. cloudy</u>	<u>clear</u>	<u>clear</u>		<u>clear</u>

% Recharge:	
Initial Depth to Water	<u>32.9</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: 63 F Raining
 Observations:

Sampler: James Soucy
 Signature: _____

Analytic LLC

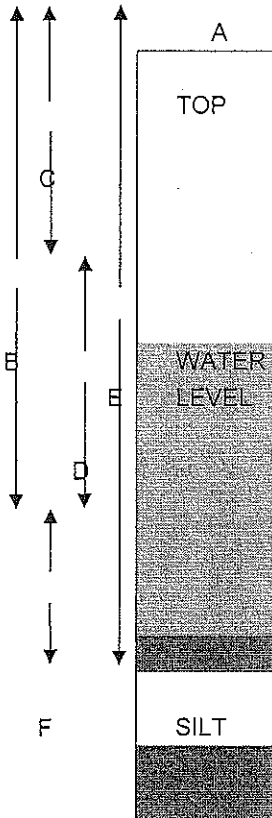
Ground water Field Log

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

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

LAB 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>94.4</u>	feet
C.	Depth to Water	<u>34.4</u>	feet
D.	Length of Water Column (calculated)	<u>60</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>9.6</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>28.8</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>6/6/13</u>	<u>6/6/13</u>	<u>6/6/13</u>		<u>6/6/13</u>
Time	<u>12:28 PM</u>	<u>12:45 PM</u>	<u>1:02 PM</u>		<u>1:19 PM</u>
ORP	<u>-172 mV</u>	<u>-10 mV</u>	<u>-32 mV</u>		<u>-33 mV</u>
Temperature	<u>16.1 C</u>	<u>15.4 C</u>	<u>14.5 C</u>		<u>13.8 C</u>
pH	<u>7.68</u>	<u>7.47</u>	<u>7.43</u>		<u>7.42</u>
Specific Cond.	<u>2.62 mS</u>	<u>2.44 mS</u>	<u>2.50 mS</u>		<u>2.52 mS</u>
Turbidity	<u>9.58 NTU</u>	<u>18.62 NTU</u>	<u>11.8 NTU</u>		<u>7.61 NTU</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>sl. cloudy</u>	<u>sl. cloudy</u>		<u>clear</u>

% Recharge:	
Initial Depth to Water	<u>34.4</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	

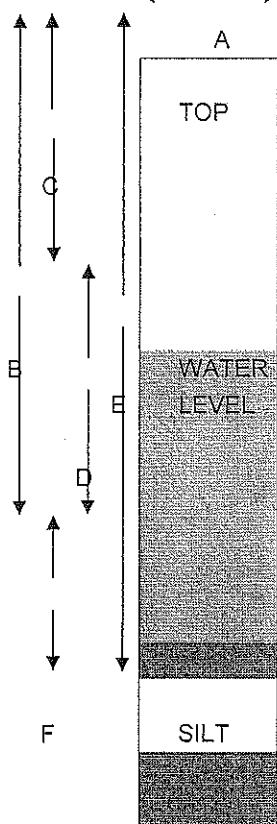
Weather: 63 F Raining
 Observations:

Sampler: James Soucy
 Signature:

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-9S

LAB 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>40.4</u>	feet
C.	Depth to Water	<u>28.6</u>	feet
D.	Length of Water Column (calculated)	<u>11.8</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>1.888</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>5.664</u>	gallons
	Actual Volume Evacuated	<u>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>6/6/13</u>	<u>6/6/13</u>	<u>6/6/13</u>		<u>6/6/13</u>
Time	<u>11:22 AM</u>	<u>11:27 AM</u>	<u>11:31 AM</u>		<u>11:40 AM</u>
ORP	<u>-9 mV</u>	<u>12 mV</u>	<u>51 mV</u>		<u>78 mV</u>
Temperature	<u>13.4 C</u>	<u>12.1 C</u>	<u>12.3 C</u>		<u>13.3 C</u>
pH	<u>7.82</u>	<u>7.85</u>	<u>7.9</u>		<u>7.78</u>
Specific Cond.	<u>791 µS</u>	<u>772 µS</u>	<u>771 µS</u>		<u>776 µS</u>
Turbidity	<u>81 NTU</u>	<u>81 NTU</u>	<u>102 NTU</u>		<u>294 NTU</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>

% Recharge:		
Initial Depth to Water	<u>28.6</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: 63 F Raining
 Observations: Dissolved metals collected

Sampler: James Soucy
 Signature: _____

Enalytic LLC

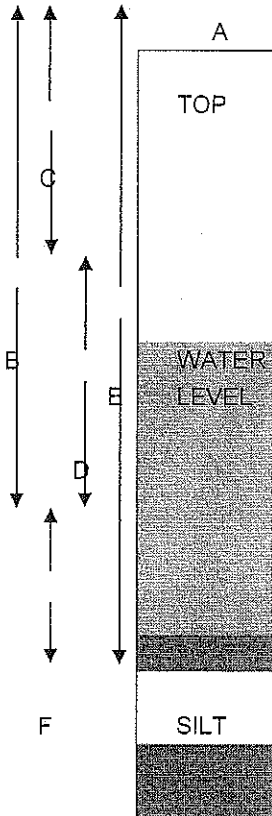
Ground water Field Log

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

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-9D

LAB 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>96.2</u>	feet
C.	Depth to Water	<u>36.6</u>	feet
D.	Length of Water Column (calculated)	<u>59.6</u>	feet
	Conversion Factor	<u>X .16</u>	----
	Well Volume (calculated)	<u>9.536</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	----
	Total Volume to be Evacuated	<u>28.608</u>	gallons
	Actual Volume Evacuated	<u>15</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	First Volume	Second Volume	Third Volume	Final Sampling
Date	<u>6/6/13</u>	<u>6/6/13</u>			<u>6/6/13</u>
Time	<u>10:45 AM</u>	<u>11:00 AM</u>			<u>11:11 AM</u>
ORP	<u>74 mV</u>	<u>-24 mV</u>			<u>-15 mV</u>
Temperature	<u>14.3 C</u>	<u>13.6 C</u>			<u>13.6 C</u>
pH	<u>7.68</u>	<u>7.42</u>			<u>7.35</u>
Specific Cond.	<u>3.12 mS</u>	<u>3.00 mS</u>			<u>3.04 mS</u>
Turbidity	<u>0.43 NTU</u>	<u>15.93 NTU</u>			<u>6.6 NTU</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>sl. cloudy</u>			<u>clear</u>

% Recharge:		
Initial Depth to Water	<u>36.6</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: 63 F Raining
 Observations: Water began slowing down after 1st volume. DUPE

Sampler: James Soucy
 Signature: _____

Enalytic Laboratories, Inc.

Chain of Custody Record

1034 Corporate Drive E. Syracuse New York 13057
 315) 437 0255 Fax 437 1209

Client Contact:		Project #/ Project Name		T/O VAN BUREN LANDFILL		U/I Internal Use Only		Number of Containers										Remarks	
ENALYTIC LLC	Phone #	Date	Time	Matrix	GRAB OR COMP	Preservative	Sample bottle:	Type	Size	Sampled by (Print)	Relinquished by (sign)	Date	Time	Received by (sign)	Date	Time	Received by (sign)		
ANTHONY SCALA	437-0255	6/4/13	12:41pm	WATER	GRAB	NONE	N/A	PLASTIC	1000ml	Sarah Sacy	Company: Enalytic	6/4/2013	4:10					1988 NYSDEC PART 360 ROUTINE PARAMETERS	
MW-5S				WATER	GRAB			PLASTIC	8oz									Field readings analyzed and reported by Enalytic	
MW-5D (MS/MSD)				WATER	GRAB			PLASTIC	500ml										
MW-6S		6/4/13	2:41pm	WATER	GRAB			AMBER	1L										
MW-6D		6/4/13	2:35pm	WATER	GRAB			PLASTIC	250ml									Limited Sample Phenols	
MW-8S				WATER	GRAB			PLASTIC	500ml										
MW-8D				WATER	GRAB			PLASTIC	500ml										
MW-9S				WATER	GRAB			"	"										
MW-9D				WATER	GRAB			PLASTIC	500ml										
MW- DUPE				WATER	GRAB			PLASTIC	500ml										

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

Rec'd for Lab by: *K. Camp*

3.6

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

Client: ENALYTIC LLC Project #/Project Name: T/O VAN BUREN LANDFILL

Client Contact: ANTHONY SCALA Phone #: 437-0255 Location (city/state) Address: VAN BUREN, NY

Sample ID	Date	Time	Matrix	GRAB OR COMP	Internal Use Only	Number of Containers										Remarks					
						1)	2)	3)	4)	5)	6)	7)	8)	9)	10)						
MW-5S	6/6/13	2:46pm	WATER	GRAB	6306003	X	X	X	X	X	X	X									1988 NYSDEC PART 360
MW-5D (MS/MSD)	6/6/13	2:35pm	WATER	GRAB		X	X	X	X	X	X	X									ROUTINE PARAMETERS
MW-6S			WATER	GRAB		X	X	X	X	X	X	X									Field readings analyzed and reported by Enalytic
MW-6D			WATER	GRAB		X	X	X	X	X	X	X									
MW-8S	6/6/13	1:31pm	WATER	GRAB		X	X	X	X	X	X	X									
MW-8D	6/6/13	1:19pm	WATER	GRAB		X	X	X	X	X	X	X									
MW-9S	6/6/13	11:40am	WATER	GRAB		X	X	X	X	X	X	X									
MW-9D	6/6/13	11:11am	WATER	GRAB		X	X	X	X	X	X	X									
MW-9D DUPE	6/6/13	11:11am	WATER	GRAB		X	X	X	X	X	X	X									

Parameter and Method	Sample bottle:	Type	Size	Preservative	Sampled by (Print)		Name of Courier
					Syracuse	Buffalo	
1) FIELD PH,TEMP,EH,COND,SWL,TURB	N/A	N/A	1000ml	NONE	Enalytic LLC	Enalytic LLC	
2) NO3,TURBIDITY,TDS,SO4,CL-		PLASTIC	8oz	NONE	Enalytic LLC	Enalytic LLC	
3) ALKALINITY		PLASTIC	500ml	H2SO4	Enalytic LLC	Enalytic LLC	
4) NH3,COD		AMBER	1L	H2SO4	Enalytic LLC	Enalytic LLC	
5) T-PHENOLS		PLASTIC	250ml	1:1 HCL	Enalytic LLC	Enalytic LLC	
6) TOC		PLASTIC	500ml	HNO3	Enalytic LLC	Enalytic LLC	
7) T-CD,CA,FE,PB*,MG,MN,K,NA CALC- HARDNESS		"	"	"	Enalytic LLC	Enalytic LLC	
8) D-CD,CA,FE,PB*,MG,MN,K,NA		PLASTIC	500ml	NONE	Enalytic LLC	Enalytic LLC	
9)							
10)							

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ) 3.6

Analytic Laboratories, Inc.

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

Chain of Custody Record

DA196

Client: ENALYTIC LLC		Project # / Project Name	Number of Containers										Remarks					
Sample ID	Phone #	T/O VAN BUREN LANDFILL	Date	Time	Matrix	GRAB OR COMP	Internal Use Only	1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	
ANTHONY SCALA	437-0255	VAN BUREN, NY																1988 NYSDEC PART 360 ROUTINE PARAMETERS
MW-5S	6/6/13		2:46pm		WATER	GRAB	649962	X	X	X	X	X	X	X	X			Field readings analyzed and reported by Analytic
MW-5D (MS/MSD)	6/6/13		2:35pm		WATER	GRAB	9163	X	X	X	X	X	X	X	X			
MW-6S					WATER	GRAB		X	X	X	X	X	X	X	X			
MW-6D					WATER	GRAB		X	X	X	X	X	X	X	X			
MW-8S	6/6/13		1:31pm		WATER	GRAB	9164	X	X	X	X	X	X	X	X			
MW-8D	6/6/13		1:19pm		WATER	GRAB	9165	X	X	X	X	X	X	X	X			
MW-9S	6/6/13		11:40am		WATER	GRAB	9166	X	X	X	X	X	X	X	X			
MW-9D	6/6/13		11:11am		WATER	GRAB	9167	X	X	X	X	X	X	X	X			
MW-9D DUPE	6/6/13		11:11am		WATER	GRAB	9168	X	X	X	X	X	X	X	X			
Parameter and Method			Sample bottle:	Type	Size	Preservative	Sampled by (Print) Samuel Scacy/Megan Hilder Analytic Laboratories Company: Analytic LLC											Name of Courier
1) FIELD PH, TEMP, EH, COND, SWL, TURB		N/A		PLASTIC	1000ml	NONE												
2) NO3, TURBIDITY, TDS, SO4, CL-				PLASTIC	8oz	NONE												
3) ALKALINITY				PLASTIC	500ml	H2SO4												
4) NH3, COD				AMBER	1L	H2SO4												
5) T-PHENOLS				PLASTIC	250ml	1:1 HCL												
6) TOC				PLASTIC	500ml	HNO3												
7) I-CD, CA, FE, PB*, MG, MN, K, NA CALC- HARDNESS				"	"	"												
8) D-CD, CA, FE, PB*, MG, MN, K, NA				PLASTIC	500ml	NONE												
9)																		
10)																		
Syracuse	Rochester	Buffalo	Albany	Binghamton	Fair Lawn (NJ)													Received by: (sign) Received by: (sign) Rec'd for Lab by: Date 6/13 3:58 pm Date 6/13 3:58 pm Date 6/13 3:58 pm

LIMBYC LABORATORIES, INC.

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

CHAIN OF CUSTODY RECORD

Client: ENALYTIC LLC

Project #/Project Name: DA197

Parameter and Method	Sample bottle:	Type	Size	Preservative	Sampled by (Print) Sara Sooy/Megan Furlow/Anna de Vries	Number of Containers										Name of Courier
						1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	
T/O VAN BUREN LANDFILL																
Client Contact:	Phone #	Location (city/state) Address														
ANTHONY SCALA	437-0255	VAN BUREN, NY														
Sample ID	Date	Time	Matrix	GRAB OR COMP	Internal Use Only	Number of Containers										Remarks
MW-5S	6/6/13	2:46pm	WATER	GRAB	6499169	6	X	X	X	X	X	X	X	X	X	
MW-5D (MS/MSD)	6/6/13	2:35pm	WATER	GRAB	970	6	X	X	X	X	X	X	X	X	X	Field readings analyzed and reported by Analytic
MW-6S			WATER	GRAB		6	X	X	X	X	X	X	X	X	X	
MW-6D			WATER	GRAB		6	X	X	X	X	X	X	X	X	X	
MW-8S	6/6/13	1:31pm	WATER	GRAB	971	6	X	X	X	X	X	X	X	X	X	
MW-8D	6/6/13	1:19pm	WATER	GRAB	972	6	X	X	X	X	X	X	X	X	X	
MW-9S	6/6/13	11:40am	WATER	GRAB	973	6	X	X	X	X	X	X	X	X	X	
MW-9D	6/6/13	11:11AM	WATER	GRAB	974	6	X	X	X	X	X	X	X	X	X	
MW-9D DUPE	6/6/13	11:11AM	WATER	GRAB	975	6	X	X	X	X	X	X	X	X	X	
1) FIELD PH, TEMP, EH, COND, SWL, TURB			N/A													
2) NO3, TURBIDITY, TDS, SO4, CL-			PLASTIC	1000ml	NONE											
3) ALKALINITY			PLASTIC	8oz	NONE											
4) NH3, COD			PLASTIC	500ml	H2SO4											
5) T-PHENOLS			AMBER	1L	H2SO4											
6) TOC			PLASTIC	250ml	1:1 HCL											
7) T-CD, CA, FE, PB*, MG, MN, K, NA			PLASTIC	500ml	HNO3											
CALC- HARDNESS					"											
8) D-CD, CA, FE, PB*, MG, MN, K, NA			PLASTIC	500ml	NONE											
9)																
10)																

Relinquished by: (sign) *[Signature]* Date: 6/6/13

Relinquished by: (sign) *[Signature]* Date: 6/6/13

Relinquished by: (sign) *[Signature]* Date: 6/6/13 3:58 pm

Rec'd for Lab by: *[Signature]* Date: 6/6/13

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ) 36

Lumivac Laboratories, Inc.

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

Chain of Custody Record

D9199

Parameter and Method	Sample bottle:	Type	Size	Preservative	Number of Containers										Remarks	
					1)	2)	3)	4)	5)	6)	7)	8)	9)	10)		
Project #/Project Name: T/O VAN BUREN LANDFILL																
Client Contact: ANTHONY SCALA, VAN BUREN, NY																
Sample ID	Date	Time	Matrix	GRAB OR COMP	Internal Use Only	1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	Remarks
MW-5S	6/6/13	2:46pm	WATER	GRAB	649983	X	X	X	X	X	X	X	X	X	X	1988 NYSDEC PART 360 ROUTINE PARAMETERS
MW-5D (MS/MSD)	6/6/13	2:35pm	WATER	GRAB	984	X	X	X	X	X	X	X	X	X	X	Field readings analyzed and reported by Analytic
MW-6S			WATER	GRAB		X	X	X	X	X	X	X	X	X	X	
MW-6D			WATER	GRAB		X	X	X	X	X	X	X	X	X	X	
MW-8S	6/6/13	1:31pm	WATER	GRAB	985	X	X	X	X	X	X	X	X	X	X	
MW-8D	6/6/13	1:19pm	WATER	GRAB	986	X	X	X	X	X	X	X	X	X	X	
MW-9S	6/6/13	11:40am	WATER	GRAB	987	X	X	X	X	X	X	X	X	X	X	
MW-9D	6/6/13	11:11AM	WATER	GRAB	988	X	X	X	X	X	X	X	X	X	X	
MW-9D DUPE	6/6/13	11:11AM	WATER	GRAB	989	X	X	X	X	X	X	X	X	X	X	
Sampled by (Print): <i>Suresh Sancy / Mega Analytical</i>																
Company: <i>Mega Analytical</i>																
Relinquished by: (sign) _____ Date _____ Time _____																
Relinquished by: (sign) _____ Date _____ Time _____																
Relinquished by: (sign) _____ Date <i>6/6/13</i> Time <i>3:58 pm</i>																
Name of Courier: <i>Randy</i>																
Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)																

1) FIELD PH, TEMP, EH, COND, SWL, TURB

2) NO3, TURBIDITY, TDS, SO4, CL-

3) ALKALINITY

4) NH3, COD

5) T-PHENOLS

6) TOC

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

8) D-CD, CA, FE, PB*, MG, MN, K, NA

9)

10)

Envuyc Laboratories, Inc.

6034 Corporate Drive E. Syracuse New York 13057
(315) 437 0255 Fax 437 1209
Client: **8220**

Chain of Custody Record

ENALYTIC LLC
Client Contact: ANTHONY SCALA

Sample ID: MW-5S
MW-5D (MS/MSD)
MW-6S
MW-6D
MW-8S
MW-8D
MW-9S
MW-9D
MW-9D DUPE

Phone # 437-0255
Date: 6/6/13
Time: 2:46pm
Matrix: WATER
GRAB OR COMP: GRAB
Internal Use Only: 649990
991

Project # / Project Name: T/O VAN BUREN LANDFILL
Location (city/state) Address: VAN BUREN, NY

Remarks: 1988 NYSDEC PART 360
ROUTINE PARAMETERS
Field readings analyzed and reported by Analytic

Number of Containers	Date									
	1)	2)	3)	4)	5)	6)	7)	8)	9)	10)
6	X	X	X	X	X	X	X			
6	X	X	X	X	X	X	X			
6	X	X	X	X	X	X	X			
6	X	X	X	X	X	X	X			
6	X	X	X	X	X	X	X			
6	X	X	X	X	X	X	X			
6	X	X	X	X	X	X	X			
6	X	X	X	X	X	X	X			
6	X	X	X	X	X	X	X			
6	X	X	X	X	X	X	X			

Parameter and Method	Sample bottle:	Type	Size	Preservative	Relinquished by: (sign)		Date	Time	Received by: (sign)	Time	Name of Courier
					by: (sign)	Time					
1) FIELD PH, TEMP, EH, COND, SWL, TURB	N/A	N/A	1000ml	NONE							
2) NO3, TURBIDITY, TDS, SO4, CL-		PLASTIC	8oz	NONE							
3) ALKALINITY		PLASTIC	500ml	H2SO4							
4) NH3, COD		AMBER	1L	H2SO4							
5) T-PHENOLS		PLASTIC	250ml	1:1 HCL							
6) TOC		PLASTIC	500ml	HNO3							
7) T-CD, CA, FE, PB, MG, MN, K, NA CALC. - HARDNESS		"	"	"							
8) D-CD, CA, FE, PB, MG, MN, K, NA		PLASTIC	500ml	NONE							
9)											
10)											

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)
Received by: (sign) Time Date
6/6/13 3:58 PM
Name of Courier: Fair Lawn (NJ) 3.6



**Certified
Environmental
Services, Inc.**

7280 Caswell Place
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

Sample Receiving Check List

Client Name: Analytic

Batch Number: 02220

Yes No

If No Explain:

- | | | | |
|---|-------------------------------------|--------------------------|-------|
| 1. Proper Full and Complete Documentation: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 2. Appropriate Sample Containers: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 3. Adequate Sample Volume: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 4. Hold Time(OK): | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5. Proper sample labeling: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 6. Sample Temperature: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 7. Samples received in good condition
And with proper/adequate preservation: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |

Additional Comments: _____

Client Correspondence: _____

Enalytic Laboratories, Inc.

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

Chain of Custody Record

DATE 03/13 D 3308

Client Contact:	Project #/ Project Name		Location (city/state) Address		Number of Containers										Remarks	
	ENALYTIC LLC	T/O VAN BUREN LANDFILL	Phone #	Address	1)	2)	3)	4)	5)	6)	7)	8)	9)	10)		
ANTHONY SCALA	437-0255	VAN BUREN, NY	437-0255	VAN BUREN, NY	6	X	X	X	X	X	X	X	X	X	1988 NYSDEC PART 360 ROUTINE PARAMETERS	
Sample ID	Date	Time	Matrix	GRAB OR COMP	Internal Use Only											Field readings analyzed and reported by Analytic
MW-5S	6/6/13	2:46pm	WATER	GRAB	6/6/13	X	X	X	X	X	X	X	X	X		
MW-5D (MS/MSD)	6/6/13	2:35pm	WATER	GRAB	6/6/13	X	X	X	X	X	X	X	X	X		
MW-6S			WATER	GRAB		X	X	X	X	X	X	X	X	X		
MW-6D			WATER	GRAB		X	X	X	X	X	X	X	X	X		
MW-8S	6/6/13	1:31pm	WATER	GRAB	6/6/13	X	X	X	X	X	X	X	X	X		
MW-8D	6/6/13	1:19pm	WATER	GRAB	6/6/13	X	X	X	X	X	X	X	X	X		
MW-9S	6/6/13	11:40am	WATER	GRAB	6/6/13	X	X	X	X	X	X	X	X	X		
MW-9D	6/6/13	11:11am	WATER	GRAB	6/6/13	X	X	X	X	X	X	X	X	X		
MW-9D DUPE	6/6/13	11:11am	WATER	GRAB	6/6/13	X	X	X	X	X	X	X	X	X		
(mw-5D ms)					650013-077											
(mw-5D msd)					078-083											
cc 6/13																
Parameter and Method	Sample bottle:	Type	Size	Preservative	Name of Courier											
1) FIELD PH, TEMP, EH, COND, SWL, TURB	N/A	N/A	1000ml	NONE	Sampled by (Print) <u>Samuel Deery/Mesa Analytical</u>											
2) NO3, TURBIDITY, TDS, SO4, CL-	PLASTIC	PLASTIC	8oz	NONE	Company: <u>Mesa Analytical</u>											
3) ALKALINITY	PLASTIC	PLASTIC	500ml	H2SO4	Relinquished by: (sign) _____ Date _____											
4) NH3, COD	AMBER	AMBER	1L	H2SO4	Relinquished by: (sign) _____ Date _____											
5) T-PHENOLS	PLASTIC	PLASTIC	250ml	1:1 HCL	Relinquished by: (sign) _____ Date _____											
6) TOC	PLASTIC	PLASTIC	500ml	HNO3	Relinquished by: (sign) _____ Date _____											
7) T-CD, CA, FE, PB*, MG, MN, K, NA CALC- HARDNESS	"	"	"	"	Relinquished by: (sign) _____ Date _____											
8) D-CD, CA, FE, PB*, MG, MN, K, NA	PLASTIC	PLASTIC	500ml	NONE	Relinquished by: (sign) _____ Date _____											
9)					Relinquished by: (sign) _____ Date _____											
10)					Relinquished by: (sign) _____ Date _____											
Syracuse	Rochester	Buffalo	Albany	Binghamton	Fair Lawn (NJ)											
					3.6											

Appendix C

Enalytic Laboratories, LLC

*Shipping: 6034 Corporate Drive * East Syracuse, NY 13057 * (315) 437-0255 * Fax: (315) 437-1209*
*Mailing: P.O. Box 289 * Syracuse, NY 13206*

July 9, 2013

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

Re: Town of Van Buren Landfill Wells

Work Order: E1306003

Dear Mr. Hoy,

In accordance with your Environmental Monitoring Plan, please find attached test results for the above referenced project.

The sampling for the event was conducted by Enalytic, LLC Field Technicians on June 4, 2013 (MW-6S and MW-6D) and June 6, 2013 (MW-5S, MW-5D, MW-8S, MW-8D, MW-9S and MW-9D). We have enclosed a copy of our Field Log sheets.

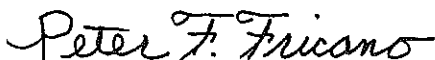
Two of the locations required the analysis of Dissolved Metals (MW-6D and MW-9S).

The analytical testing was performed by Certified Environmental Services, Inc. (NYSDOH ELAP ID# 11246). All three locations were analyzed for the 1988 Part 360 Routine List test parameters. The CES Lab Report is enclosed.

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

Thank you for your patronage.

Sincerely,
Enalytic Laboratories, LLC



Peter F. Fricano
Project Manager



Certified
Environmental
Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 650072 SAMPLE ID- MW-5D MS SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		06/07/13		KC	3.6 Degrees C
Chloride (SM18-21)	4500-Cl-B	06/18/13		KSH	106% mg/L
Nitrate as N (SM18-21)	4500-NO3 E	06/07/13	1316	JDC	103% mg/L
Sulfate	SM15-426C	06/20/13	1500	RRB	83% mg/L
Total Dissolved Solids	SM18-2540C	06/12/13		KSH	*NA mg/L
Turbidity	SM18 2130B	06/07/13	1445	RS	*NA NTU

*NA - Not Applicable

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



Certified
Environmental
Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 650073 SAMPLE ID- MW-5D MS SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS			RESULT UNITS
		DATE	TIME	BY	
Sample Receipt Temperature		06/07/13		KC	3.6 Degrees C
Alkalinity (SM18-21)	2320B	06/12/13		RS	*NA mg/L CaCO3

*NA - Not Applicable

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



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North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 650074 SAMPLE ID- MW-5D MS SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS			RESULT UNITS
		DATE	TIME	BY	
Sample Receipt Temperature		06/07/13		KC	3.6 Degrees C
Chemical Oxygen Demand	SM18 5220C	06/20/13		MPB	100% mg/L
Ammonia as N (SM18)	4500-NH3 F	06/21/13		GWL	102% mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



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Environmental
Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 650075 SAMPLE ID- MW-5D MS SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		06/07/13		KC	3.6 Degrees C
TOTAL PHENOLS	EPA 420.1	06/10/13		GWL	104% mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Borczyk
(Terms and Conditions on Reverse Side)

Rachel R. Borczyk
Technical Director



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North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 650076 SAMPLE ID- MW-5D MS SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		RESULT	UNITS
		DATE	TIME BY		
Sample Receipt Temperature		06/07/13	KC	3.6	Degrees C
Total Organic Carbon	SM18-5310B	06/24/13	LSL	*NA	mg/L

*NA - Not Available

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



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7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 650077 SAMPLE ID- MW-5D MS SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Calcium Hardness	EPA 200.7	06/12/13	AG 06/19/13		AG	**NA	mg/L
Cadmium, Total (Cd)	EPA 200.7	06/12/13	AG 06/20/13		AG	124%	mg/L
Calcium, Total (Ca)	EPA 200.7	06/12/13	AG 06/19/13		AG	*NA	mg/L
Iron, Total (Fe)	EPA 200.7	06/12/13	AG 06/21/13		AG	S-24%	mg/L
Lead, Total (Pb)	EPA 200.7	06/12/13	AG 06/20/13		AG	97%	mg/L
Magnesium, Total (Mg)	EPA 200.7	06/12/13	AG 06/19/13		AG	114%	mg/L
Manganese, Total (Mn)	EPA 200.7	06/12/13	AG 06/20/13		AG	95%	mg/L
Potassium, Total (K)	EPA 200.7	06/12/13	AG 06/19/13		AG	111%	mg/L
Sodium, Total (Na)	EPA 200.7	06/12/13	AG 06/19/13		AG	*NA	mg/L

*NA - Not Available, spike diluted out.
**NA - Not Available
(S) - Spike recovery outside acceptance limits.

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



Certified
Environmental
Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 650078 SAMPLE ID- MW-5D MSD SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

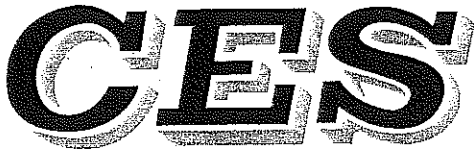
ANALYSIS	METHOD	ANALYSIS			RESULT UNITS
		DATE	TIME	BY	
Sample Receipt Temperature		06/07/13		KC	3.6 Degrees C
Chloride (SM18-21)	4500-C1-B	06/18/13		KSH	104% mg/L
Nitrate as N (SM18-21)	4500-NO3 E	06/07/13	1316	JDC	106% mg/L
Sulfate	SM15-426C	06/20/13	1500	RRB	81% mg/L
Total Dissolved Solids	SM18-2540C	06/12/13		KSH	*NA mg/L
Turbidity	SM18 2130B	06/07/13	1445	RS	*NA NTU

*NA - Not Applicable.

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



Certified
Environmental
Services, Inc.

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North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 650079 SAMPLE ID- MW-5D MSD SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

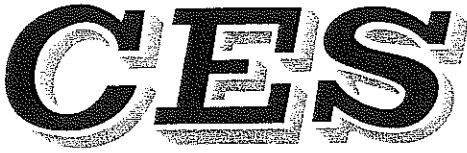
ANALYSIS	METHOD	ANALYSIS		RESULT UNITS
		DATE	TIME BY	
Sample Receipt Temperature		06/07/13	KC	3.6 Degrees C
Alkalinity (SM18-21)	2320B	06/12/13	RS	*NA mg/L CaCO3

*NA - Not Applicable.

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



Certified
Environmental
Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 650080 SAMPLE ID- MW-5D MSD SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		BY	RESULT UNITS
		DATE	TIME		
Sample Receipt Temperature		06/07/13		KC	3.6 Degrees C
Chemical Oxygen Demand	SM18 5220C	06/20/13		MPB	100% mg/L
Ammonia as N (SM18)	4500-NH3 F	06/21/13		GWL	70% mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
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Rachel R. Bonczyk
Technical Director



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7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 650081 SAMPLE ID- MW-5D MSD SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

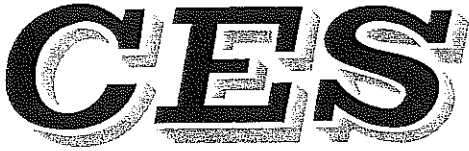
Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		BY	RESULT UNITS
		DATE	TIME		
Sample Receipt Temperature		06/07/13		KC	3.6 Degrees C
TOTAL PHENOLS	EPA 420.1	06/10/13		GWL	99% mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



Certified
Environmental
Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 650082 SAMPLE ID- MW-5D MSD SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		BY	RESULT UNITS
		DATE	TIME		
Sample Receipt Temperature		06/07/13		KC	3.6 Degrees C
Total Organic Carbon	SM18-5310B	06/24/13		LSL	*NA mg/L

*NA - Not Available

NYSDOH LAB ID NO. 11246

APPROVED BY:

Rachel R. Bonczyk

(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



Certified
Environmental
Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 650083 SAMPLE ID- MW-5D MSD SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Calcium Hardness	EPA 200.7	06/12/13	AG	06/19/13	AG	**NA	mg/L
Cadmium, Total (Cd)	EPA 200.7	06/12/13	AG	06/20/13	AG	124%	mg/L
Calcium, Total (Ca)	EPA 200.7	06/12/13	AG	06/19/13	AG	*NA	mg/L
Iron, Total (Fe)	EPA 200.7	06/12/13	AG	06/21/13	AG	S 35%	mg/L
Lead, Total (Pb)	EPA 200.7	06/12/13	AG	06/20/13	AG	96%	mg/L
Magnesium, Total (Mg)	EPA 200.7	06/12/13	AG	06/19/13	AG	122%	mg/L
Manganese, Total (Mn)	EPA 200.7	06/12/13	AG	06/20/13	AG	94%	mg/L
Potassium, Total (K)	EPA 200.7	06/12/13	AG	06/19/13	AG	119%	mg/L
Sodium, Total (Na)	EPA 200.7	06/12/13	AG	06/19/13	AG	*NA	mg/L

*NA - Not Available, spike diluted out.
**NA - Not Available
(S) - Spike recovery outside acceptance limits.

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



**Certified
Environmental
Services, Inc.**

7280 Caswell Place
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

Sample Receiving Check List

Client Name: Analytic

Batch Number: D2228

Yes No

If No Explain:

1. Proper Full and Complete Documentation:

2. Appropriate Sample Containers:

3. Adequate Sample Volume:

4. Hold Time(OK):

5. Proper sample labeling:

6. Sample Temperature:

7. Samples received in good condition
And with proper/adequate preservation:

Additional Comments: _____

Client Correspondence: _____



Certified
Environmental
Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649682 SAMPLE ID- MW-6S SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1241
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Analytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

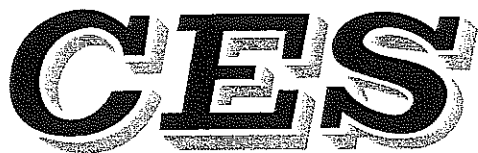
Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		06/04/13		KC	3.6	Degrees C
Chloride (SM18-21)	4500-Cl-B	06/07/13		KSH	5.5	mg/L
Nitrate as N (SM18-21)	4500-NO3 E	06/05/13	1302	JDC	1.77	mg/L
Sulfate	SM15-426C	06/18/13	1325	RRB	40.0	mg/L
Total Dissolved Solids	SM18-2540C	06/10/13		SPT	428.	mg/L
Turbidity	SM18 2130B	06/06/13	1040	RS	4.0	NTU

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



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7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649683 SAMPLE ID- MW-6D SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Analytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

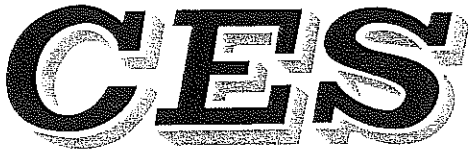
Page 1 of 1

ANALYSIS	METHOD	ANALYSIS			RESULT UNITS
		DATE	TIME	BY	
Sample Receipt Temperature		06/04/13		KC	3.6 Degrees C
Chloride (SM18-21)	4500-Cl-B	06/07/13		KSH	2.5 mg/L
Nitrate as N (SM18-21)	4500-NO3 E	06/05/13	1302	JDC	0.12 mg/L
Sulfate	SM15-426C	06/18/13	1325	RRB	147. mg/L
Total Dissolved Solids	SM18-2540C	06/10/13		SPT	575. mg/L
Turbidity	SM18 2130B	06/06/13	1040	RS	340 NTU

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649684 SAMPLE ID- MW-6S SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1241
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Analytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS			RESULT UNITS
		DATE	TIME	BY	
Sample Receipt Temperature		06/04/13		KC	3.6 Degrees C
Alkalinity (SM18-21)	2320B	06/12/13		RS	312. mg/L CaCO3

NYSDOH LAB ID NO. 11246

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North Syracuse, NY 13212
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Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649685 SAMPLE ID- MW-6D SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Analytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		06/04/13		KC	3.6 Degrees C
Alkalinity (SM18-21)	2320B	06/12/13		RS	250. mg/L CaCO3

NYSDOH LAB ID NO. 11246

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Analytic
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East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649686 SAMPLE ID- MW-6S SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1241
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Analytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		BY	RESULT UNITS
		DATE	TIME		
Sample Receipt Temperature		06/04/13		KC	3.6 Degrees C
Chemical Oxygen Demand	SM18 5220C	06/18/13		MPB	< 5. mg/L
Ammonia as N (SM18)	4500-NH3 F	06/13/13		GWL	< 0.1 mg/L

NYSDOH LAB ID NO. 11246

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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649687 SAMPLE ID- MW-6D SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Ealytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
Sample Receipt Temperature		06/04/13	KC	3.6 Degrees C
Chemical Oxygen Demand	SM18 5220C	06/18/13	MPB	15. mg/L
Ammonia as N (SM18)	4500-NH3 F	06/14/13	GWL	0.25 mg/L

NYSDOH LAB ID NO. 11246

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Technical Director



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North Syracuse, NY 13212
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Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649688 SAMPLE ID- MW-6S SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1241
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Analytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		06/04/13		KC	3.6 Degrees C
TOTAL PHENOLS	EPA 420.1	06/10/13		GWL	< 0.010 mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
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Technical Director



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Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
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Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649689	SAMPLE ID- MW-6D	SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13		TIME SAMPLED- 1435
DATE RECEIVED- 06/04/13	SAMPLER- James Soucy(Analytic)	RECEIVED BY- KC
TIME RECEIVED- 1610	DELIVERED BY- Megan Guilford	TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		BY	RESULT	UNITS
		DATE	TIME			
Sample Receipt Temperature		06/04/13		KC	3.6	Degrees C
TOTAL PHENOLS	EPA 420.1	06/10/13		GWL	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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North Syracuse, NY 13212
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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
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Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649690 SAMPLE ID- MW-6S SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1241
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Analytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		06/04/13		KC	3.6 Degrees C
Total Organic Carbon	SM18-5310B	06/10/13		LSL	< 3. mg/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Technical Director



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North Syracuse, NY 13212
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Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649691 SAMPLE ID- MW-6D SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Analytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		06/04/13		KC	3.6 Degrees C
Total Organic Carbon	SM18-5310B	06/10/13		LSL	< 3. mg/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649692 SAMPLE ID- MW-6S SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1241
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Analytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT UNITS
Calcium Hardness	EPA 200.7	06/12/13	AG	06/19/13		AG	145. mg/L
Cadmium, Total (Cd)	EPA 200.7	06/12/13	AG	06/18/13		ADR	< 0.005 mg/L
Calcium, Total (Ca)	EPA 200.7	06/12/13	AG	06/19/13		AG	58. mg/L
Iron, Total (Fe)	EPA 200.7	06/12/13	AG	06/20/13		AG	0.05 mg/L
Lead, Total (Pb)	EPA 200.7	06/12/13	AG	06/20/13		AG	< 0.02 mg/L
Magnesium, Total (Mg)	EPA 200.7	06/12/13	AG	06/19/13		AG	48. mg/L
Manganese, Total (Mn)	EPA 200.7	06/12/13	AG	06/20/13		AG	< 0.01 mg/L
Potassium, Total (K)	EPA 200.7	06/12/13	AG	06/19/13		AG	1.1 mg/L
Sodium, Total (Na)	EPA 200.7	06/12/13	AG	06/19/13		AG	4.0 mg/L

Note: Cadmium analysis performed by ELAP #10709.

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
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Rachel R. Bonczyk
Technical Director



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Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Enalytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649693 SAMPLE ID- MW-6D SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Enalytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Calcium Hardness	EPA 200.7	06/12/13	AG 06/19/13		AG	185.	mg/L
Cadmium, Total (Cd)	EPA 200.7	06/12/13	AG 06/18/13		ADR	< 0.005	mg/L
Calcium, Total (Ca)	EPA 200.7	06/12/13	AG 06/19/13		AG	74.	mg/L
Iron, Total (Fe)	EPA 200.7	06/12/13	AG 06/20/13		AG	1.9	mg/L
Lead, Total (Pb)	EPA 200.7	06/12/13	AG 06/20/13		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	06/12/13	AG 06/19/13		AG	42.	mg/L
Manganese, Total (Mn)	EPA 200.7	06/12/13	AG 06/20/13		AG	< 0.15	mg/L
Potassium, Total (K)	EPA 200.7	06/12/13	AG 06/19/13		AG	7.2	mg/L
Sodium, Total (Na)	EPA 200.7	06/12/13	AG 06/19/13		AG	5.0	mg/L

Note: Cadmium analysis performed by ELAP #10709.

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
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Rachel R. Bonczyk
Technical Director



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North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649694 SAMPLE ID- MW-6D SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1241
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Analytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP		ANALYSIS		TIME	BY	RESULT	UNITS
		DATE	BY	DATE					
Cadmium, Dissolved (Cd)	EPA 200.7	06/17/13	AG	06/18/13		ADR		< 0.005	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	06/17/13	AG	06/25/13		AG		65.	mg/L
Iron, Dissolved (Fe)	EPA 200.7	06/17/13	AG	06/21/13		AG		< 0.05	mg/L
Lead, Dissolved (Pb)	EPA 200.7	06/12/13	AG	06/21/13		AG		< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	06/17/13	AG	06/25/13		AG		38.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	06/17/13	AG	06/20/13		AG		< 0.01	mg/L
Potassium, Dissolved (K)	EPA 200.7	06/17/13	AG	06/25/13		AG		6.1	mg/L
Sodium, Dissolved (Na)	EPA 200.7	06/17/13	AG	06/26/13		AG		5.7	mg/L

Note: Cadmium analysis performed by ELAP #10709.

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
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Rachel R. Bonczyk
Technical Director



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North Syracuse, NY 13212
Phone 315-478-2374
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Sample Receiving Check List

Client Name: Enalyte

Batch Number: D2126

	Yes	No	If No Explain:
1. Proper Full and Complete Documentation:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
2. Appropriate Sample Containers:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
3. Adequate Sample Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4. Hold Time(OK):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5. Proper sample labeling:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
6. Sample Temperature:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
7. Samples received in good condition And with proper/adequate preservation:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Additional Comments: _____

Client Correspondence: _____



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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649962 SAMPLE ID- MW-5S SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1446
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		RESULT	UNITS
		DATE	TIME BY		
Sample Receipt Temperature		06/06/13	KC	3.6	Degrees C
Chloride (SM18-21)	4500-Cl-B	06/18/13	KSH	20.	mg/L
Nitrate as N (SM18-21)	4500-NO3 E	06/07/13	1316 JDC	0.26	mg/L
Sulfate	SM15-426C	06/18/13	1325 RRB	20.7	mg/L
Total Dissolved Solids	SM18-2540C	06/10/13	SPT	646.	mg/L
Turbidity	SM18 2130B	06/07/13	1445 RS	27.5	NTU

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
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Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649976 SAMPLE ID- MW-5S SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1446
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		RESULT	UNITS
		DATE	TIME BY		
Sample Receipt Temperature		06/06/13	KC	3.6	Degrees C
Chemical Oxygen Demand	SM18 5220C	06/20/13	MPB	10.	mg/L
Ammonia as N (SM18)	4500-NH3 F	06/20/13	GWL	1.04	mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
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Technical Director



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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649990 SAMPLE ID- MW-5S SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1446
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- AManda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		06/06/13		KC	3.6 Degrees C
Total Organic Carbon	SM18-5310B	06/24/13		LSL	1.8 mg/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
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Technical Director



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North Syracuse, NY 13212
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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/09/2013

SAMPLE NUMBER- 649997 SAMPLE ID- MW-5S SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1446
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Calcium Hardness	EPA 200.7	06/12/13	AG 06/19/13		AG	374.	mg/L
Cadmium, Total (Cd)	EPA 200.7	06/26/13	ADR 07/08/13		ADR	< 0.005	mg/L
Calcium, Total (Ca)	EPA 200.7	06/12/13	AG 06/19/13		AG	150.	mg/L
Iron, Total (Fe)	EPA 200.7	06/12/13	AG 06/20/13		AG	4.9	mg/L
Lead, Total (Pb)	EPA 200.7	06/12/13	AG 06/20/13		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	06/12/13	AG 06/19/13		AG	36.	mg/L
Manganese, Total (Mn)	EPA 200.7	06/12/13	AG 06/25/13		AG	1.3	mg/L
Potassium, Total (K)	EPA 200.7	06/12/13	AG 06/19/13		AG	6.3	mg/L
Sodium, Total (Na)	EPA 200.7	06/12/13	AG 06/19/13		AG	14.	mg/L

Note: Revised report for Cadmium result. This report replaces the report issued on 07/01/2013. Cadmium analysis performed by ELAP #10709.

NYSDOH LAB ID NO. 11246

APPROVED BY:

Rachel R. Bonczyk

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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649969 SAMPLE ID- MW-5S SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1444
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		RESULT	UNITS
		DATE	TIME BY		
Sample Receipt Temperature		06/06/13	KC	3.6	Degrees C
Alkalinity (SM18-21)	2320B	06/12/13	RS	568.	mg/L CaCO3

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



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North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649983 SAMPLE ID- MW-5S SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1446
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		BY	RESULT UNITS
		DATE	TIME		
Sample Receipt Temperature		06/06/13		KC	3.6 Degrees C
TOTAL PHENOLS	EPA 420.1	06/10/13		GWL	< 0.010 mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
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Technical Director



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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala`

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649963 SAMPLE ID- MW-5D SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

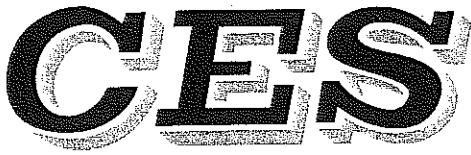
Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		06/06/13		KC	3.6	Degrees C
Chloride (SM18-21)	4500-Cl-B	06/18/13		KSH	90.	mg/L
Nitrate as N (SM18-21)	4500-NO3 E	06/07/13	1316	JDC	0.21	mg/L
Sulfate	SM15-426C	06/18/13	1325	RRB	1035.	mg/L
Total Dissolved Solids	SM18-2540C	06/12/13		KSH	2100.	mg/L
Turbidity	SM18 2130B	06/07/13	1445	RS	15.6	NTU

NYSDOH LAB ID NO. 11246

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Technical Director



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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649977 SAMPLE ID- MW-5D SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		RESULT	UNITS
		DATE	TIME BY		
Sample Receipt Temperature		06/06/13	KC	3.6	Degrees C
Chemical Oxygen Demand	SM18 5220C	06/20/13	MPB	< 5.0	mg/L
Ammonia as N (SM18)	4500-NH3 F	06/21/13	GWL	3.29	mg/L

NYSDOH LAB ID NO. 11246

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Technical Director



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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649991 SAMPLE ID- MW-5D SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- AManda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		06/06/13		KC	3.6 Degrees C
Total Organic Carbon	SM18-5310B	06/24/13		LSL	< 1. mg/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Rachel R. Bonczyk
Technical Director



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North Syracuse, NY 13212
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Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/09/2013

SAMPLE NUMBER- 649998 SAMPLE ID- MW-5D SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT UNITS
Calcium Hardness	EPA 200.7	06/12/13	AG 06/19/13		AG	1004. mg/L
Cadmium, Total (Cd)	EPA 200.7	06/26/13	ADR 07/08/13		ADR	< 0.005 mg/L
Calcium, Total (Ca)	EPA 200.7	06/12/13	AG 06/19/13		AG	402. mg/L
Iron, Total (Fe)	EPA 200.7	06/12/13	AG 06/21/13		AG	S 3.1 mg/L
Lead, Total (Pb)	EPA 200.7	06/12/13	AG 06/20/13		AG	< 0.02 mg/L
Magnesium, Total (Mg)	EPA 200.7	06/12/13	AG 06/19/13		AG	19. mg/L
Manganese, Total (Mn)	EPA 200.7	06/12/13	AG 06/20/13		AG	0.06 mg/L
Potassium, Total (K)	EPA 200.7	06/12/13	AG 06/19/13		AG	51. mg/L
Sodium, Total (Na)	EPA 200.7	06/12/13	AG 06/19/13		AG	58. mg/L

(S) - Spike recovery outside acceptance limits.

Note: Revised report for Cadmium result. This report replaces the report issued on 07/01/2013. Cadmium analysis performed by ELAP #10709.

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
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Rachel R. Bonczyk
Technical Director



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North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649970 SAMPLE ID- MW-5D SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		RESULT UNITS
		DATE	TIME BY	
Sample Receipt Temperature		06/06/13	KC	3.6 Degrees C
Alkalinity (SM18-21)	2320B	06/12/13	RS	136. mg/L CaCO3

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
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Technical Director



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North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649984 SAMPLE ID- MW-5D SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1435
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		BY	RESULT	UNITS
		DATE	TIME			
Sample Receipt Temperature		06/06/13		KC	3.6	Degrees C
TOTAL PHENOLS	EPA 420.1	06/10/13		GWL	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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Technical Director



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North Syracuse, NY 13212
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Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649964 SAMPLE ID- MW-8S SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1331
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS			RESULT UNITS
		DATE	TIME	BY	
Sample Receipt Temperature		06/06/13		KC	3.6 Degrees C
Chloride (SM18-21)	4500-Cl-B	06/18/13		KSH	21. mg/L
Nitrate as N (SM18-21)	4500-NO3 E	06/07/13	1316	JDC	3.11 mg/L
Sulfate	SM15-426C	06/20/13	1500	RRB	43.8 mg/L
Total Dissolved Solids	SM18-2540C	06/12/13		KSH	631. mg/L
Turbidity	SM18 2130B	06/07/13	1445	RS	< 1 NTU

NYSDOH LAB ID NO. 11246

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Rachel R. Bonczyk
Technical Director



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Services, Inc.

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North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649978 SAMPLE ID- MW-8S SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1331
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		RESULT	UNITS
		DATE	TIME BY		
Sample Receipt Temperature		06/06/13	KC	3.6	Degrees C
Chemical Oxygen Demand	SM18 5220C	06/20/13	MPB	5.0	mg/L
Ammonia as N (SM18)	4500-NH3 F	06/21/13	GWL	0.13	mg/L

NYSDOH LAB ID NO. 11246

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(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



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North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649992 SAMPLE ID- MW-8S SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1331
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- AManda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		BY	RESULT UNITS
		DATE	TIME		
Sample Receipt Temperature		06/06/13		KC	3.6 Degrees C
Total Organic Carbon	SM18-5310B	06/24/13		LSL	1.2 mg/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

APPROVED BY:

Rachel R Bonczyk

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Rachel R. Bonczyk
Technical Director



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North Syracuse, NY 13212
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Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/09/2013

SAMPLE NUMBER- 649999 SAMPLE ID- MW-8S SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1331
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP		ANALYSIS		TIME	BY	RESULT	UNITS
		DATE	BY	DATE					
Calcium Hardness	EPA 200.7	06/12/13	AG	06/19/13		AG		352.	mg/L
Cadmium, Total (Cd)	EPA 200.7	06/26/13	ADR	07/08/13		ADR	<	0.005	mg/L
Calcium, Total (Ca)	EPA 200.7	06/12/13	AG	06/19/13		AG		141.	mg/L
Iron, Total (Fe)	EPA 200.7	06/12/13	AG	06/20/13		AG	<	0.05	mg/L
Lead, Total (Pb)	EPA 200.7	06/12/13	AG	06/20/13		AG	<	0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	06/12/13	AG	06/19/13		AG		37.	mg/L
Manganese, Total (Mn)	EPA 200.7	06/12/13	AG	06/25/13		AG		1.7	mg/L
Potassium, Total (K)	EPA 200.7	06/12/13	AG	06/19/13		AG		5.5	mg/L
Sodium, Total (Na)	EPA 200.7	06/12/13	AG	06/19/13		AG		8.5	mg/L

Note: Revised report for Cadmium result. This report replaces the report issued on 07/01/2013. Cadmium analysis performed by ELAP #10709.

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel Bonczyk
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Rachel R. Bonczyk
Technical Director



Certified
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7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

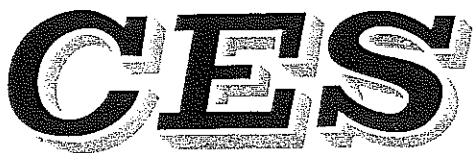
SAMPLE NUMBER- 649971 SAMPLE ID- MW-8S SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1331
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		06/06/13		KC	3.6 Degrees C
Alkalinity (SM18-21)	2320B	06/12/13		RS	528. mg/L CaCO3

NYSDOH LAB ID NO. 11246 APPROVED BY: Rachel R. Bonczyk
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Technical Director



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North Syracuse, NY 13212
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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649985 SAMPLE ID- MW-8S SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1331
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

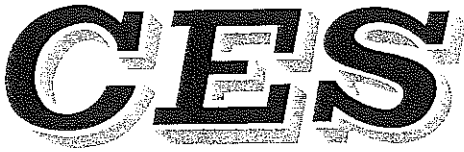
Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		RESULT	UNITS
		DATE	TIME BY		
Sample Receipt Temperature		06/06/13	KC	3.6	Degrees C
TOTAL PHENOLS	EPA 420.1	06/10/13	GWL	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
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Technical Director



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North Syracuse, NY 13212
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Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649965 SAMPLE ID- MW-8D SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1319
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS			RESULT UNITS
		DATE	TIME	BY	
Sample Receipt Temperature		06/06/13		KC	3.6 Degrees C
Chloride (SM18-21)	4500-C1-B	06/18/13		KSH	215. mg/L
Nitrate as N (SM18-21)	4500-NO3 E	06/07/13	1316	JDC	< 0.05 mg/L
Sulfate	SM15-426C	06/20/13	1500	RRB	1035. mg/L
Total Dissolved Solids	SM18-2540C	06/12/13		KSH	2156. mg/L
Turbidity	SM18 2130B	06/07/13	1445	RS	16.2 NTU

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
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Technical Director



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North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649979 SAMPLE ID- MW-8D SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1319
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
Sample Receipt Temperature		06/06/13	KC	3.6 Degrees C
Chemical Oxygen Demand	SM18 5220C	06/20/13	MPB	5.0 mg/L
Ammonia as N (SM18)	4500-NH3 F	06/21/13	GWL	3.72 mg/L

NYSDOH LAB ID NO. 11246

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Technical Director



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North Syracuse, NY 13212
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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649993 SAMPLE ID- MW-8D SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1319
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		RESULT UNITS
		DATE	TIME BY	
Sample Receipt Temperature		06/06/13	KC	3.6 Degrees C
Total Organic Carbon	SM18-5310B	06/24/13	LSL	< 1. mg/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
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Rachel R. Bonczyk
Technical Director



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North Syracuse, NY 13212
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Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/09/2013

SAMPLE NUMBER- 650000 SAMPLE ID- MW-8D SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1319
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT UNITS
Calcium Hardness	EPA 200.7	06/12/13	AG 06/19/13		AG	1031. mg/L
Cadmium, Total (Cd)	EPA 200.7	06/26/13	ADR 07/08/13		ADR	< 0.005 mg/L
Calcium, Total (Ca)	EPA 200.7	06/12/13	AG 06/19/13		AG	413. mg/L
Iron, Total (Fe)	EPA 200.7	06/12/13	AG 06/21/13		AG	3.2 mg/L
Lead, Total (Pb)	EPA 200.7	06/12/13	AG 06/20/13		AG	< 0.02 mg/L
Magnesium, Total (Mg)	EPA 200.7	06/12/13	AG 06/19/13		AG	19. mg/L
Manganese, Total (Mn)	EPA 200.7	06/12/13	AG 06/20/13		AG	0.07 mg/L
Potassium, Total (K)	EPA 200.7	06/12/13	AG 06/19/13		AG	58. mg/L
Sodium, Total (Na)	EPA 200.7	06/12/13	AG 06/19/13		AG	83. mg/L

Note: Revised report for Cadmium result. This report replaces the report issued on 07/01/2013. Cadmium analysis performed by ELAP #10709.

NYSDOH LAB ID NO. 11246

APPROVED BY:

Rachel R. Bonczyk

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Rachel R. Bonczyk
Technical Director



Certified
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Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649972 SAMPLE ID- MW-8D SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1319
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		RESULT UNITS
		DATE	TIME BY	
Sample Receipt Temperature		06/06/13	KC	3.6 Degrees C
Alkalinity (SM18-21)	2320B	06/12/13	RS	124. mg/L CaCO3

NYSDOH LAB ID NO. 11246

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7280 Caswell Street
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Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649986 SAMPLE ID- MW-8D SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1319
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		BY	RESULT	UNITS
		DATE	TIME			
Sample Receipt Temperature		06/06/13		KC	3.6	Degrees C
TOTAL PHENOLS	EPA 420.1	06/10/13		GWL	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
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Rachel R. Bonczyk
Technical Director



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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649966 SAMPLE ID- MW-9S SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1140
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS			RESULT UNITS
		DATE	TIME	BY	
Sample Receipt Temperature		06/06/13		KC	3.6 Degrees C
Chloride (SM18-21)	4500-Cl-B	06/18/13		KSH	70. mg/L
Nitrate as N (SM18-21)	4500-NO3 E	06/07/13	1316	JDC	< 0.05 mg/L
Sulfate	SM15-426C	06/20/13	1500	RRB	49.2 mg/L
Total Dissolved Solids	SM18-2540C	06/12/13		KSH	494. mg/L
Turbidity	SM18 2130B	06/07/13	1445	RS	122 NTU

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649980 SAMPLE ID- MW-9S SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1140
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		BY	RESULT UNITS
		DATE	TIME		
Sample Receipt Temperature		06/06/13		KC	3.6 Degrees C
Chemical Oxygen Demand	SM18 5220C	06/20/13		MPB	< 5.0 mg/L
Ammonia as N (SM18)	4500-NH3 F	06/21/13		GWL	< 0.1 mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY:

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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649994 SAMPLE ID- MW-9S SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1140
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- AManda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		RESULT	UNITS
		DATE	TIME BY		
Sample Receipt Temperature		06/06/13	KC	3.6	Degrees C
Total Organic Carbon	SM18-5310B	06/24/13	LSL	< 1.	mg/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246 APPROVED BY: Rachel R. Bonczyk
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Technical Director



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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/09/2013

SAMPLE NUMBER- 650001 SAMPLE ID- MW-9S SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1140
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP		ANALYSIS		TIME	BY	RESULT	UNITS
		DATE	BY	DATE	BY				
Calcium Hardness	EPA 200.7	06/12/13	AG	06/19/13	AG			157.	mg/L
Cadmium, Total (Cd)	EPA 200.7	06/26/13	ADR	07/08/13	ADR	<		0.005	mg/L
Calcium, Total (Ca)	EPA 200.7	06/12/13	AG	06/19/13	AG			63.	mg/L
Iron, Total (Fe)	EPA 200.7	06/12/13	AG	06/21/13	AG			1.7	mg/L
Lead, Total (Pb)	EPA 200.7	06/12/13	AG	06/20/13	AG	<		0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	06/12/13	AG	06/19/13	AG			45.	mg/L
Manganese, Total (Mn)	EPA 200.7	06/12/13	AG	06/20/13	AG			0.06	mg/L
Potassium, Total (K)	EPA 200.7	06/12/13	AG	06/19/13	AG			3.1	mg/L
Sodium, Total (Na)	EPA 200.7	06/12/13	AG	06/19/13	AG			28.	mg/L

Note: Revised report for Cadmium result. This report replaces the report issued on 07/01/2013. Cadmium analysis performed by ELAP #10709.

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
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Rachel R. Bonczyk
Technical Director



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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 650059 SAMPLE ID- MW-9S SAMPLE MATRIX- WW
DATE SAMPLED- 06/07/13 TIME SAMPLED- 1140
DATE RECEIVED- 06/06/13 SAMPLER- Analytic personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP		ANALYSIS		TIME	BY	RESULT	UNITS
		DATE	BY	DATE					
Cadmium, Dissolved (Cd)	EPA 200.7	06/17/13	AG	06/20/13		AG		< 0.01	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	06/17/13	AG	06/25/13		AG		52.	mg/L
Iron, Dissolved (Fe)	EPA 200.7	06/17/13	AG	06/21/13		AG		< 0.05	mg/L
Lead, Dissolved (Pb)	EPA 200.7	06/12/13	AG	06/21/13		AG		< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	06/17/13	AG	06/25/13		AG		40.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	06/17/13	AG	06/20/13		AG		< 0.01	mg/L
Potassium, Dissolved (K)	EPA 200.7	06/17/13	AG	06/25/13		AG		2.1	mg/L
Sodium, Dissolved (Na)	EPA 200.7	06/17/13	AG	06/26/13		AG		26.	mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649973 SAMPLE ID- MW-9S SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1140
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS			RESULT UNITS
		DATE	TIME	BY	
Sample Receipt Temperature		06/06/13		KC	3.6 Degrees C
Alkalinity (SM18-21)	2320B	06/12/13		RS	256. mg/L CaCO3

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649987 SAMPLE ID- MW-9S SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1140
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS			RESULT UNITS
		DATE	TIME	BY	
Sample Receipt Temperature		06/06/13		KC	3.6 Degrees C
TOTAL PHENOLS	EPA 420.1	06/10/13		GWL	< 0.010 mg/L

NYSDOH LAB ID NO. 11246

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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill.
DATE: 07/01/2013

SAMPLE NUMBER- 649967 SAMPLE ID- MW-9D SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1111
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS			RESULT UNITS
		DATE	TIME	BY	
Sample Receipt Temperature		06/06/13		KC	3.6 Degrees C
Chloride (SM18-21)	4500-C1-B	06/18/13		KSH	210. mg/L
Nitrate as N (SM18-21)	4500-NO3 E	06/07/13	1316	JDC	< 0.05 mg/L
Sulfate	SM15-426C	06/18/13	1325	RRB	1440. mg/L
Total Dissolved Solids	SM18-2540C	06/12/13		KSH	2684. mg/L
Turbidity	SM18 2130B	06/07/13	1445	RS	19.5 NTU

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
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Technical Director



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North Syracuse, NY 13212
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Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649981 SAMPLE ID- MW-9D SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1111
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		BY	RESULT	UNITS
		DATE	TIME			
Sample Receipt Temperature		06/06/13		KC	3.6	Degrees C
Chemical Oxygen Demand	SM18 5220C	06/20/13		MPB	< 5.0	mg/L
Ammonia as N (SM18)	4500-NH3 F	06/21/13		GWL	4.49	mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
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Technical Director



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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649995 SAMPLE ID- MW-9D SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1111
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- AManda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		06/06/13		KC	3.6 Degrees C
Total Organic Carbon	SM18-5310B	06/24/13		LSL	< 1. mg/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
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Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/09/2013

SAMPLE NUMBER- 650002 SAMPLE ID- MW-9D SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1111
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Calcium Hardness	EPA 200.7	06/12/13	AG 06/19/13		AG	1288.	mg/L
Cadmium, Total (Cd)	EPA 200.7	06/26/13	ADR 07/08/13		ADR	< 0.005	mg/L
Calcium, Total (Ca)	EPA 200.7	06/12/13	AG 06/19/13		AG	516.	mg/L
Iron, Total (Fe)	EPA 200.7	06/12/13	AG 06/21/13		AG	3.2	mg/L
Lead, Total (Pb)	EPA 200.7	06/12/13	AG 06/20/13		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	06/12/13	AG 06/19/13		AG	22.	mg/L
Manganese, Total (Mn)	EPA 200.7	06/12/13	AG 06/20/13		AG	0.08	mg/L
Potassium, Total (K)	EPA 200.7	06/12/13	AG 06/19/13		AG	65.	mg/L
Sodium, Total (Na)	EPA 200.7	06/12/13	AG 06/19/13		AG	E 104.	mg/L

(E) - Value above quantitation range. Estimated

Note: Revised report for Cadmium result. This report replaces the report issued on 07/01/2013. Cadmium analysis performed by ELAP #10709.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Technical Director



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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649974 SAMPLE ID- MW-9D SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1111
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

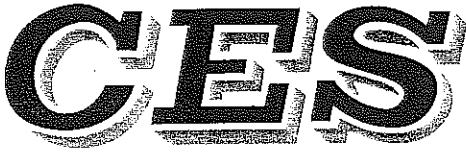
Page 1 of 1

ANALYSIS	METHOD	ANALYSIS			RESULT UNITS
		DATE	TIME	BY	
Sample Receipt Temperature		06/06/13		KC	3.6 Degrees C
Alkalinity (SM18-21)	2320B	06/12/13		RS	152. mg/L CaCO3

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649988 SAMPLE ID- MW-9D SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1111
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		BY	RESULT UNITS
		DATE	TIME		
Sample Receipt Temperature		06/06/13		KC	3.6 Degrees C
TOTAL PHENOLS	EPA 420.1	06/10/13		GWL	< 0.010 mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
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Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649968 SAMPLE ID- MW-9D Dupe SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1111
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS			RESULT UNITS
		DATE	TIME	BY	
Sample Receipt Temperature		06/06/13		KC	3.6 Degrees C
Chloride (SM18-21)	4500-Cl-B	06/18/13		KSH	215. mg/L
Nitrate as N (SM18-21)	4500-NO3 E	06/07/13	1316	JDC	< 0.05 mg/L
Sulfate	SM15-426C	06/20/13	1500	RRB	1250. mg/L
Total Dissolved Solids	SM18-2540C	06/12/13		KSH	2765. mg/L
Turbidity	SM18 2130B	06/07/13	1445	RS	21.5 NTU

NYSDOH LAB ID NO. 11246

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Technical Director



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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649982 SAMPLE ID- MW-9D Dupe SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1111
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		BY	RESULT	UNITS
		DATE	TIME			
Sample Receipt Temperature		06/06/13		KC	3.6	Degrees C
Chemical Oxygen Demand	SM18 5220C	06/20/13		MPB	5.0	mg/L
Ammonia as N (SM18)	4500-NH3 F	06/21/13		GWL	4.62	mg/L

NYSDOH LAB ID NO. 11246

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Technical Director



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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649996 SAMPLE ID- MW-9D Dupe SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1111
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- AManda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		BY	RESULT	UNITS
		DATE	TIME			
Sample Receipt Temperature		06/06/13		KC	3.6	Degrees C
Total Organic Carbon	SM18-5310B	06/24/13		LSL	< 1.	mg/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
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Technical Director



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Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/09/2013

SAMPLE NUMBER- 650003 SAMPLE ID- MW-9D Dupe SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1111
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP		ANALYSIS		TIME	BY	RESULT	UNITS
		DATE	BY	DATE					
Calcium Hardness	EPA 200.7	06/12/13	AG	06/19/13		AG		1236.	mg/L
Cadmium, Total (Cd)	EPA 200.7	06/26/13	ADR	07/08/13		ADR	<	0.005	mg/L
Calcium, Total (Ca)	EPA 200.7	06/12/13	AG	06/19/13		AG		495.	mg/L
Iron, Total (Fe)	EPA 200.7	06/12/13	AG	06/21/13		AG		3.4	mg/L
Lead, Total (Pb)	EPA 200.7	06/12/13	AG	06/20/13		AG	<	0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	06/12/13	AG	06/19/13		AG		21.	mg/L
Manganese, Total (Mn)	EPA 200.7	06/12/13	AG	06/20/13		AG		0.07	mg/L
Potassium, Total (K)	EPA 200.7	06/12/13	AG	06/19/13		AG		63.	mg/L
Sodium, Total (Na)	EPA 200.7	06/12/13	AG	06/26/13		AG		108.	mg/L

Note: Revised report for Cadmium result. This report replaces the report issued on 07/01/2013. Cadmium analysis performed by ELAP #10709.

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



Certified
Environmental
Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649975 SAMPLE ID- MW-9D Dupe SAMPLE MATRIX- WW
DATE SAMPLED- 06/06/13 TIME SAMPLED- 1111
DATE RECEIVED- 06/06/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS		RESULT	UNITS
		DATE	TIME BY		
Sample Receipt Temperature		06/06/13	KC	3.6	Degrees C
Alkalinity (SM18-21)	2320B	06/12/13	RS	148.	mg/L CaCO3

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Landfill
DATE: 07/01/2013

SAMPLE NUMBER- 649989 SAMPLe ID- MW-9D Dupe SAMPLe MATRIX- WW
DATE SAMPLeD- 06/06/13 TIME SAMPLeD- 1111
DATE RECEIVED- 06/06/13 SAMPLeR- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1558 DELIVERED BY- Amanda Yaworsky TYPE SAMPLe- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		06/06/13		KC	3.6 Degrees C
TOTAL PHENOLS	EPA 420.1	06/10/13		GWL	< 0.010 mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
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Technical Director



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Sample Receiving Check List

Client Name: Enalytic

Batch Number: D21010/2197/2198/2199/2200/2201 Yes No

If No Explain:

1. Proper Full and Complete Documentation: Yes No

2. Appropriate Sample Containers: Yes No

3. Adequate Sample Volume: Yes No

4. Hold Time(OK): Yes No

5. Proper sample labeling: Yes No

6. Sample Temperature: Yes No

7. Samples received in good condition
And with proper/adequate preservation: Yes No

Additional Comments: _____

Client Correspondence: _____

This checklist is to be attached to the Original Chain of Custody.

Enalytic Laboratories, LLC

*Shipping: 6034 Corporate Drive * East Syracuse, NY 13057 * (315) 437-0255 * Fax: (315) 437-1209*
*Mailing: P.O. Box 289 * Syracuse, NY 13206*

July 3, 2013

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

Re: Town of Van Buren Residents

Work Order: E1305014

Dear Mr. Hoy,

In accordance with your Environmental Monitoring Plan, please find attached test results for the above referenced project.

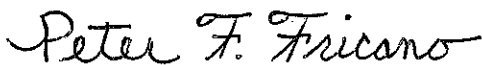
The sampling for the event was conducted by Enalytic, LLC Field Technicians on May 30, 2013 (Nolan and Davis Residences) and June 4, 2013 (Miller Residence). We have enclosed a copy of our Field Log sheets.

The analytical testing was performed by Certified Environmental Services, Inc. (NYSDOH ELAP ID# 11246). All three locations were analyzed for the 1988 Part 360 Routine List test parameters (plus VOCs). The CES Lab Report is enclosed.

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

Thank you for your patronage.

Sincerely,
Enalytic Laboratories, LLC



Peter F. Fricano
Project Manager



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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 06/21/2013

SAMPLE NUMBER- 649399 SAMPLE ID- RW-B SAMPLE MATRIX- WW
DATE SAMPLED- 05/30/13 TIME SAMPLED- 1349
DATE RECEIVED- 05/30/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1436 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
✓ Sample Receipt Temperature		05/30/13		KC	4.4 Degrees C
✓ Chloride (SM18-21)	4500-Cl-B	06/07/13		KSH	95. mg/L
✓ Nitrate as N (SM18-21)	4500-NO3 E	05/31/13	1802	JDC	< 0.05 mg/L
✓ Sulfate	SM15-426C	06/04/13	1250	JDC	1218. mg/L
✓ Total Dissolved Solids	SM18-2540C	06/04/13		SPT	2087. mg/L
✓ Turbidity	SM18 2130B	05/31/13	1505	RS	< 1 NTU

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 06/21/2013

SAMPLE NUMBER- 649400 SAMPLE ID- RW-B SAMPLE MATRIX- WW
DATE SAMPLED- 05/30/13 TIME SAMPLED- 1349
DATE RECEIVED- 05/30/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1436 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
✓ Sample Receipt Temperature		05/30/13		KC	4.4 Degrees C
✓ Chemical Oxygen Demand	SM18 5220C	06/18/13		MPB	< 5. mg/L
Ammonia as N (SM18)	4500-NH3 F	06/10/13		JDC	0.82 mg/L

NYSDOH LAB ID NO. 11246

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Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 06/21/2013

SAMPLE NUMBER- 649401 SAMPLE ID- RW-B SAMPLE MATRIX- WW
DATE SAMPLED- 05/30/13 TIME SAMPLED- 1349
DATE RECEIVED- 05/30/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1436 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		05/30/13		KC	4.4 Degrees C
Total Organic Carbon	SM18-5310B	06/10/13		LSL	< 1. mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 06/21/2013

SAMPLE NUMBER- 649402 SAMPLE ID- RW-B SAMPLE MATRIX- WW
DATE SAMPLED- 05/30/13 TIME SAMPLED- 1349
DATE RECEIVED- 05/30/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1436 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

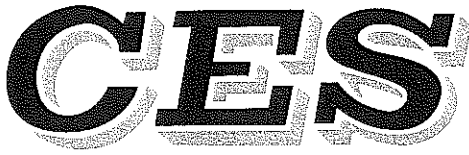
Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		05/30/13		KC	4.4	Degrees C
/ Alkalinity (SM18-21)	2320B	06/12/13		RS	152.	mg/L CaCO3

NYSDOH LAB ID NO. 11246

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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 06/21/2013

SAMPLE NUMBER- 649403 SAMPLe ID- RW-B SAMPLe MATRIX- WW
DATE SAMPLeD- 05/30/13 TIME SAMPLeD- 1349
DATE RECEIVED- 05/30/13 SAMPLeR- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1436 DELIVERED BY- Amanda Yaworsky TYPE SAMPLe- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		05/30/13		KC	4.4	Degrees C
TOTAL PHENOLS	EPA 420.1	06/10/13		GWL	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 06/21/2013

SAMPLE NUMBER- 649404 SAMPLE ID- RW-B
DATE SAMPLED- 05/30/13
DATE RECEIVED- 05/30/13 SAMPLER- Analytic Personnel
TIME RECEIVED- 1436 DELIVERED BY- Amanda Yaworsky

SAMPLE MATRIX- WW
TIME SAMPLED- 1349
RECEIVED BY- KC
TYPE SAMPLE- Grab

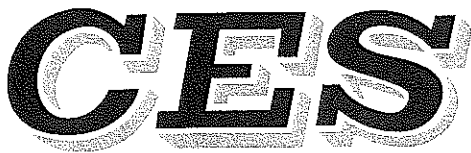
Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT UNITS
Calcium Hardness	EPA 200.7	06/04/13	AG	06/13/13		AG	65. mg/L
Cadmium, Total (Cd)	EPA 200.7	06/04/13	AG	06/12/13		AG	< 0.02 mg/L
Calcium, Total (Ca)	EPA 200.7	06/04/13	AG	06/13/13		AG	26. mg/L
Iron, Total (Fe)	EPA 200.7	06/04/13	AG	06/13/13		AG	< 0.05 mg/L
LEAD, TOTAL (PB)	EPA 200.9	06/06/13	ADR	06/06/13		ADR	< 0.001 mg/L
Magnesium, Total (Mg)	EPA 200.7	06/04/13	AG	06/13/13		AG	1.1 mg/L
Manganese, Total (Mn)	EPA 200.7	06/04/13	AG	06/12/13		AG	0.11 mg/L
Potassium, Total (K)	EPA 200.7	06/04/13	AG	06/13/13		AG	29. mg/L
Sodium, Total (Na)	EPA 200.7	06/04/13	AG	06/19/13		AG	616. mg/L

Note: Lead analysis performed by ELAP #10709.

NYSDOH LAB ID NO. 11246 APPROVED BY: Rachel R. Bonczyk
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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 06/21/2013

SAMPLE NUMBER- 649405 SAMPLE ID- RW-B SAMPLE MATRIX- WW
DATE SAMPLED- 05/30/13 TIME SAMPLED- 1349
DATE RECEIVED- 05/30/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1436 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		05/30/13		KC	4.4 Degrees C
EPA 624 Volatiles	EPA 624	06/04/13		LSL	
Dichlorodifluoromethane	EPA 624	06/04/13		LSL	NR ug/L
Chloromethane	EPA 624	06/04/13		LSL	< 5.0 ug/L
Vinyl Chloride	EPA 624	06/04/13		LSL	< 2.0 ug/L
Bromomethane	EPA 624	06/04/13		LSL	< 5.0 ug/L
Chloroethane	EPA 624	06/04/13		LSL	< 5.0 ug/L
Trichlorofluoromethane	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,1-Dichloroethene	EPA 624	06/04/13		LSL	< 3.0 ug/L
Methylene Chloride	EPA 624	06/04/13		LSL	< 5.0 ug/L
trans-1,2-Dichloroethene	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,1-Dichloroethane	EPA 624	06/04/13		LSL	< 3.0 ug/L
2-Butanone (MEK)	EPA 624	06/04/13		LSL	NR ug/L
Chloroform	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,1,1-Trichloroethane	EPA 624	06/04/13		LSL	< 3.0 ug/L
Carbon Tetrachloride	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,2-Dichloroethane	EPA 624	06/04/13		LSL	< 3.0 ug/L
Benzene	EPA 624	06/04/13		LSL	< 3.0 ug/L
Trichloroethene	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,2-Dichloropropane	EPA 624	06/04/13		LSL	< 3.0 ug/L
Bromodichloromethane	EPA 624	06/04/13		LSL	< 3.0 ug/L



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Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 649405

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
2-Chloroethylvinyl Ether	EPA 624	06/04/13		LSL	< 5.0	ug/L
4-Methyl-2-Pentanone (MIBK)	EPA 624	06/04/13		LSL	NR	ug/L
cis-1,3-Dichloropropene	EPA 624	06/04/13		LSL	< 3.0	ug/L
Toluene	EPA 624	06/04/13		LSL	< 3.0	ug/L
trans-1,3-Dichloropropene	EPA 624	06/04/13		LSL	< 3.0	ug/L
1,1,2-Trichloroethane	EPA 624	06/04/13		LSL	< 3.0	ug/L
Tetrachloroethene	EPA 624	06/04/13		LSL	< 3.0	ug/L
Dibromochloromethane	EPA 624	06/04/13		LSL	< 3.0	ug/L
Chlorobenzene	EPA 624	06/04/13		LSL	< 3.0	ug/L
Ethylbenzene	EPA 624	06/04/13		LSL	< 3.0	ug/L
m & p-Xylene	EPA 624	06/04/13		LSL	< 3.0	ug/L
o-Xylene	EPA 624	06/04/13		LSL	< 3.0	ug/L
Bromoform	EPA 624	06/04/13		LSL	< 3.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 624	06/04/13		LSL	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 624	06/04/13		LSL	< 3.0	ug/L
1,4-Dichlorobenzene	EPA 624	06/04/13		LSL	< 3.0	ug/L
1,2-Dichlorobenzene	EPA 624	06/04/13		LSL	< 3.0	ug/L

Note: Analysis performed by ELAP #10248.
NR - Not Reported

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 06/21/2013

SAMPLE NUMBER- 649406 SAMPLE ID- RW-C SAMPLE MATRIX- WW
DATE SAMPLED- 05/30/13 TIME SAMPLED- 1336
DATE RECEIVED- 05/30/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1436 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		05/30/13		KC	4.4 Degrees C
Chloride (SM18-21)	4500-Cl-B	06/07/13		KSH	90. mg/L
Nitrate as N (SM18-21)	4500-NO3 E	05/31/13	1802	JDC	< 0.05 mg/L
Sulfate	SM15-426C	06/04/13	1250	JDC	1180. mg/L
Total Dissolved Solids	SM18-2540C	06/04/13		SPT	2012. mg/L
Turbidity	SM18 2130B	05/31/13	1505	RS	< 1 NTU

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
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Technical Director



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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 06/21/2013

SAMPLE NUMBER- 649407 SAMPLE ID- RW-C SAMPLE MATRIX- WW
DATE SAMPLED- 05/30/13 TIME SAMPLED- 1336
DATE RECEIVED- 05/30/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1436 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		05/30/13		KC	4.4	Degrees C
Chemical Oxygen Demand	SM18 5220C	06/18/13		MPB	< 5.	mg/L
Ammonia as N (SM18)	4500-NH3 F	06/10/13		JDC	0.22	mg/L

NYSDOH LAB ID NO. 11246

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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 06/21/2013

SAMPLE NUMBER- 649408	SAMPLE ID- RW-C	SAMPLE MATRIX- WW
DATE SAMPLED- 05/30/13		TIME SAMPLED- 1336
DATE RECEIVED- 05/30/13	SAMPLER- Analytic Personnel	RECEIVED BY- KC
TIME RECEIVED- 1436	DELIVERED BY- Amanda Yaworsky	TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		05/30/13		KC	4.4 Degrees C
Total Organic Carbon	SM18-5310B	06/10/13		LSL	< 1. mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 06/21/2013

SAMPLE NUMBER- 649409 SAMPLE ID- RW-C SAMPLE MATRIX- WW
DATE SAMPLED- 05/30/13 TIME SAMPLED- 1336
DATE RECEIVED- 05/30/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1436 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		05/30/13		KC	4.4	Degrees C
Alkalinity (SM18-21)	2320B	06/12/13		RS	148.	mg/L CaCO3

NYSDOH LAB ID NO. 11246

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DATE: 06/21/2013

SAMPLE NUMBER- 649410 SAMPLE ID- RW-C SAMPLE MATRIX- WW
DATE SAMPLED- 05/30/13 TIME SAMPLED- 1336
DATE RECEIVED- 05/30/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1436 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		05/30/13		KC	4.4	Degrees C
TOTAL PHENOLS	EPA 420.1	06/10/13		GWL	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
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REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 06/21/2013

SAMPLE NUMBER- 649411 SAMPLE ID- RW-C
DATE SAMPLED- 05/30/13
DATE RECEIVED- 05/30/13 SAMPLER- Analytic Personnel
TIME RECEIVED- 1436 DELIVERED BY- Amanda Yaworsky

SAMPLE MATRIX- WW
TIME SAMPLED- 1336
RECEIVED BY- KC
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT UNITS
Calcium Hardness	EPA 200.7	06/04/13	AG	06/13/13		AG	40. mg/L
Cadmium, Total (Cd)	EPA 200.7	06/04/13	AG	06/12/13		AG	< 0.02 mg/L
Calcium, Total (Ca)	EPA 200.7	06/04/13	AG	06/13/13		AG	16. mg/L
Iron, Total (Fe)	EPA 200.7	06/04/13	AG	06/13/13		AG	0.09 mg/L
LEAD, TOTAL (PB)	EPA 200.9	06/06/13	ADR	06/06/13		ADR	< 0.001 mg/L
Magnesium, Total (Mg)	EPA 200.7	06/04/13	AG	06/13/13		AG	0.50 mg/L
Manganese, Total (Mn)	EPA 200.7	06/04/13	AG	06/12/13		AG	< 0.01 mg/L
Potassium, Total (K)	EPA 200.7	06/04/13	AG	06/13/13		AG	18. mg/L
Sodium, Total (Na)	EPA 200.7	06/04/13	AG	06/19/13		AG	628. mg/L

Note: Lead analysis performed by ELAP #10709.

NYSDOH LAB ID NO. 11246

APPROVED BY:

Rachel R. Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



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Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 06/21/2013

SAMPLE NUMBER- 649412 SAMPLE ID- RW-C SAMPLE MATRIX- WW
DATE SAMPLED- 05/30/13 TIME SAMPLED- 1336
DATE RECEIVED- 05/30/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1436 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		05/30/13		KC	4.4 Degrees C
EPA 624 Volatiles	EPA 624	06/04/13		LSL	
Dichlorodifluoromethane	EPA 624	06/04/13		LSL	NR ug/L
Chloromethane	EPA 624	06/04/13		LSL	< 5.0 ug/L
Vinyl Chloride	EPA 624	06/04/13		LSL	< 2.0 ug/L
Bromomethane	EPA 624	06/04/13		LSL	< 5.0 ug/L
Chloroethane	EPA 624	06/04/13		LSL	< 5.0 ug/L
Trichlorofluoromethane	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,1-Dichloroethene	EPA 624	06/04/13		LSL	< 3.0 ug/L
Methylene Chloride	EPA 624	06/04/13		LSL	< 5.0 ug/L
trans-1,2-Dichloroethene	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,1-Dichloroethane	EPA 624	06/04/13		LSL	< 3.0 ug/L
2-Butanone (MEK)	EPA 624	06/04/13		LSL	NR ug/L
Chloroform	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,1,1-Trichloroethane	EPA 624	06/04/13		LSL	< 3.0 ug/L
Carbon Tetrachloride	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,2-Dichloroethane	EPA 624	06/04/13		LSL	< 3.0 ug/L
Benzene	EPA 624	06/04/13		LSL	< 3.0 ug/L
Trichloroethene	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,2-Dichloropropane	EPA 624	06/04/13		LSL	< 3.0 ug/L
Bromodichloromethane	EPA 624	06/04/13		LSL	< 3.0 ug/L



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Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 649412

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
2-Chloroethylvinyl Ether	EPA 624	06/04/13		LSL	< 5.0 ug/L
4-Methyl-2-Pentanone (MIBK)	EPA 624	06/04/13		LSL	NR ug/L
cis-1,3-Dichloropropene	EPA 624	06/04/13		LSL	< 3.0 ug/L
Toluene	EPA 624	06/04/13		LSL	< 3.0 ug/L
trans-1,3-Dichloropropene	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,1,2-Trichloroethane	EPA 624	06/04/13		LSL	< 3.0 ug/L
Tetrachloroethene	EPA 624	06/04/13		LSL	< 3.0 ug/L
Dibromochloromethane	EPA 624	06/04/13		LSL	< 3.0 ug/L
Chlorobenzene	EPA 624	06/04/13		LSL	< 3.0 ug/L
Ethylbenzene	EPA 624	06/04/13		LSL	< 3.0 ug/L
m & p-Xylene	EPA 624	06/04/13		LSL	< 3.0 ug/L
o-Xylene	EPA 624	06/04/13		LSL	< 3.0 ug/L
Bromoform	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,1,2,2-Tetrachloroethane	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,3-Dichlorobenzene	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,4-Dichlorobenzene	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,2-Dichlorobenzene	EPA 624	06/04/13		LSL	< 3.0 ug/L

Note: Analysis performed by ELAP #10248.
NR - Not Reported

NYSDOH LAB ID NO. 11246

APPROVED BY:

Rachel R. Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



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7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 06/21/2013

SAMPLE NUMBER- 649413 SAMPLE ID- ULI Trip Blanks SAMPLE MATRIX- WW
DATE SAMPLED- 05/30/13
DATE RECEIVED- 05/30/13 SAMPLER- Analytic Personnel RECEIVED BY- KC
TIME RECEIVED- 1436 DELIVERED BY- Amanda Yaworsky TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		05/30/13		KC	4.4 Degrees C
EPA 624 Volatiles	EPA 624	06/04/13		LSL	
Dichlorodifluoromethane	EPA 624	06/04/13		LSL	NR ug/L
Chloromethane	EPA 624	06/04/13		LSL	< 5.0 ug/L
Vinyl Chloride	EPA 624	06/04/13		LSL	< 2.0 ug/L
Bromomethane	EPA 624	06/04/13		LSL	< 5.0 ug/L
Chloroethane	EPA 624	06/04/13		LSL	< 5.0 ug/L
Trichlorofluoromethane	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,1-Dichloroethene	EPA 624	06/04/13		LSL	< 3.0 ug/L
Methylene Chloride	EPA 624	06/04/13		LSL	< 5.0 ug/L
trans-1,2-Dichloroethene	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,1-Dichloroethane	EPA 624	06/04/13		LSL	< 3.0 ug/L
2-Butanone (MEK)	EPA 624	06/04/13		LSL	NR ug/L
Chloroform	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,1,1-Trichloroethane	EPA 624	06/04/13		LSL	< 3.0 ug/L
Carbon Tetrachloride	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,2-Dichloroethane	EPA 624	06/04/13		LSL	< 3.0 ug/L
Benzene	EPA 624	06/04/13		LSL	< 3.0 ug/L
Trichloroethene	EPA 624	06/04/13		LSL	< 3.0 ug/L
1,2-Dichloropropane	EPA 624	06/04/13		LSL	< 3.0 ug/L
Bromodichloromethane	EPA 624	06/04/13		LSL	< 3.0 ug/L



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Fax 315-478-2107

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 649413

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
2-Chloroethylvinyl Ether	EPA 624	06/04/13		LSL	< 5.0	ug/L
4-Methyl-2-Pentanone (MIBK)	EPA 624	06/04/13		LSL	NR	ug/L
cis-1,3-Dichloropropene	EPA 624	06/04/13		LSL	< 3.0	ug/L
Toluene	EPA 624	06/04/13		LSL	< 3.0	ug/L
trans-1,3-Dichloropropene	EPA 624	06/04/13		LSL	< 3.0	ug/L
1,1,2-Trichloroethane	EPA 624	06/04/13		LSL	< 3.0	ug/L
Tetrachloroethene	EPA 624	06/04/13		LSL	< 3.0	ug/L
Dibromochloromethane	EPA 624	06/04/13		LSL	< 3.0	ug/L
Chlorobenzene	EPA 624	06/04/13		LSL	< 3.0	ug/L
Ethylbenzene	EPA 624	06/04/13		LSL	< 3.0	ug/L
m & p-Xylene	EPA 624	06/04/13		LSL	< 3.0	ug/L
o-Xylene	EPA 624	06/04/13		LSL	< 3.0	ug/L
Bromoform	EPA 624	06/04/13		LSL	< 3.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 624	06/04/13		LSL	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 624	06/04/13		LSL	< 3.0	ug/L
1,4-Dichlorobenzene	EPA 624	06/04/13		LSL	< 3.0	ug/L
1,2-Dichlorobenzene	EPA 624	06/04/13		LSL	< 3.0	ug/L

Note: Analysis performed by ELAP #10248.
NR - Not Reported

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director

Analytic Laboratories, LLC

3034 Corporate Drive E. Syracuse New York 13057
 Phone (315) 437 0255
 Fax (315) 437 1209

Chain of Custody Record

03075

Project #/Project Name

Client Contact:	T/O VAN BUREN RESIDENTS				ULI Internal Use Only	Number of Containers	Date										Remarks
	Client Name	Phone #	Date	Time			Matrix	GRAB OR COMP	1	2	3	4	5	6	7	8	
ANTHONY SCALA	437-0255	5/30/13	1:49 pm	WATER	GRAB	8	X	X	X	X	X	X	X	X			1988 NYSDEC PART 360 ROUTINE LIST W/VOC'S
Sample ID		5/30/13	11:36 pm	WATER	GRAB	2											Field readings analyzed and reported by Analytic
RW-A		5/30/13		WATER	GRAB	2											
RW-A INFLUENT																	
RW-A IN BETWEEN																	
RW-B		5/30/13	1:49 pm	WATER	GRAB	8	X	X	X	X	X	X	X	X			
RW-C		5/30/13	11:36 pm	WATER	GRAB	8	X	X	X	X	X	X	X	X			
JLI TRIP BLANK		5/30/13		WATER	GRAB	1								X			
Parameter and Method	Sample bottle:	Type	Size	Preservative	Sampled by (Print)	Name of Courier											
FIELD PH, TEMP, EH, SPEC. COND., SWL	N/A	N/A			James Jones / Amanda Yaworski	Fair Lawn (NJ)											
NO3, TD5, SO4, CL, TURBIDITY		PLASTIC	1000 ML	NONE	Company: Analytic												
NH3, COD		PLASTIC	500 ML	H2SO4	Relinquished by: (sign)	Date	Time	Received by: (sign)									
TOC		PLASTIC	250 ML	1:1 HCL	<i>[Signature]</i>	5/30/13	2:30 pm	<i>[Signature]</i>									
ALKALINITY		PLASTIC	250 ML	NONE													
T-PHENOLS		AMBER	1L	H2SO4	Relinquished by: (sign)	Date	Time	Received by: (sign)									
T-CD, CA, FE, PB, MG, MN, K, NA, +CALC. HARDNESS		PLASTIC	500 ML	HNO3													
EPA 601/602 (BY EPA 624)		2 VIALS	40 ML	1:1 HCL	Relinquished by: (sign)	Date	Time	Received by: (sign)									
						5/30/13	1430	<i>[Signature]</i>									



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North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

Sample Receiving Check List

Client Name: Analytic

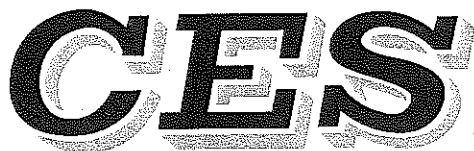
Batch Number: 02030

	Yes	No	If No Explain:
1. Proper Full and Complete Documentation:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
2. Appropriate Sample Containers:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
3. Adequate Sample Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4. Hold Time(OK):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5. Proper sample labeling:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
6. Sample Temperature:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
7. Samples received in good condition And with proper/adequate preservation:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Additional Comments: _____

Client Correspondence: _____

This checklist is to be attached to the Original Chain of Custody.



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North Syracuse, NY 13212
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Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 07/01/2013

SAMPLE NUMBER- 649704 SAMPLE ID- RW-A SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1041
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Analytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS			RESULT UNITS
		DATE	TIME	BY	
Sample Receipt Temperature		06/04/13		KC	3.6 Degrees C
Chloride (SM18-21)	4500-Cl-B	06/07/13		KSH	5.5 mg/L
Nitrate as N (SM18-21)	4500-NO3 E	06/05/13	1302	JDC	< 0.05 mg/L
Sulfate	SM15-426C	06/18/13	1325	RRB	69.0 mg/L
Total Dissolved Solids	SM18-2540C	06/10/13		SPT	156. mg/L
Turbidity	SM18 2130B	06/06/13	1040	RS	< 1 NTU

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



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7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 07/01/2013

SAMPLE NUMBER- 649705 SAMPLE ID- RW-A SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1041
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Analytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		06/04/13		KC	3.6 Degrees C
Chemical Oxygen Demand	SM18 5220C	06/18/13		MPB	< 5. mg/L
Ammonia as N (SM18)	4500-NH3 F	06/14/13		GWL	< 0.1 mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
(Terms and Conditions on Reverse Side)

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Technical Director



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North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 07/01/2013

SAMPLE NUMBER- 649706 SAMPLE ID- RW-A SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1041
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Analytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		06/04/13		KC	3.6 Degrees C
Total Organic Carbon	SM18-5310B	06/10/13		LSL	< 3. mg/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



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Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 07/01/2013

SAMPLE NUMBER- 649707 SAMPLE ID- RW-A SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1041
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Analytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

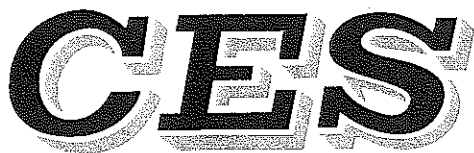
Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		06/04/13		KC	3.6 Degrees C
Alkalinity (SM18-21)	2320B	06/12/13		RS	14. mg/L CaCO3

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



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Environmental
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7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Enalytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 07/01/2013

SAMPLE NUMBER- 649708 SAMPLE ID- RW-A SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1041
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Enalytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

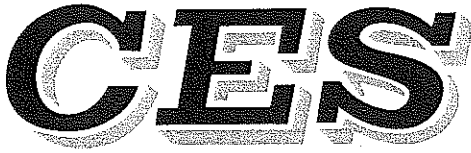
Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
Sample Receipt Temperature		06/04/13	KC	3.6 Degrees C
TOTAL PHENOLS	EPA 420.1	06/10/13	GWL	< 0.010 mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



Certified
Environmental
Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 07/01/2013

SAMPLE NUMBER- 649709 SAMPLE ID- RW-A SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1041
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Analytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP		ANALYSIS		TIME	BY	RESULT	UNITS
		DATE	BY	DATE					
Calcium Hardness	EPA 200.7	06/12/13	AG	06/19/13		AG		1.1	mg/L
Cadmium, Total (Cd)	EPA 200.7	06/12/13	AG	06/18/13		ADR	<	0.005	mg/L
Calcium, Total (Ca)	EPA 200.7	06/12/13	AG	06/19/13		AG		0.44	mg/L
Iron, Total (Fe)	EPA 200.7	06/12/13	AG	06/20/13		AG	<	0.05	mg/L
Lead, Total (Pb)	EPA 200.7	06/12/13	AG	06/20/13		AG	<	0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	06/12/13	AG	06/19/13		AG	<	0.1	mg/L
Manganese, Total (Mn)	EPA 200.7	06/12/13	AG	06/20/13		AG	<	0.01	mg/L
Potassium, Total (K)	EPA 200.7	06/12/13	AG	06/19/13		AG		0.74	mg/L
Sodium, Total (Na)	EPA 200.7	06/12/13	AG	06/19/13		AG		27.	mg/L

Note: Cadmium analysis performed by ELAP #10709.

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R. Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



Certified
Environmental
Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 07/01/2013

SAMPLE NUMBER- 649710 SAMPLE ID- RW-A SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1041
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Analytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
Sample Receipt Temperature		06/04/13	KC	3.6 Degrees C
EPA 624 Volatiles	EPA 624	06/12/13	LSL	
Chloromethane	EPA 624	06/12/13	LSL	< 5.0 ug/L
Vinyl Chloride	EPA 624	06/12/13	LSL	< 2.0 ug/L
Bromomethane	EPA 624	06/12/13	LSL	< 5.0 ug/L
Chloroethane	EPA 624	06/12/13	LSL	< 5.0 ug/L
Trichlorofluoromethane	EPA 624	06/12/13	LSL	< 3.0 ug/L
1,1-Dichloroethene	EPA 624	06/12/13	LSL	< 3.0 ug/L
Methylene Chloride	EPA 624	06/12/13	LSL	< 5.0 ug/L
trans-1,2-Dichloroethene	EPA 624	06/12/13	LSL	< 3.0 ug/L
1,1-Dichloroethane	EPA 624	06/12/13	LSL	< 3.0 ug/L
Chloroform	EPA 624	06/12/13	LSL	< 3.0 ug/L
1,1,1-Trichloroethane	EPA 624	06/12/13	LSL	< 3.0 ug/L
Carbon Tetrachloride	EPA 624	06/12/13	LSL	< 3.0 ug/L
1,2-Dichloroethane	EPA 624	06/12/13	LSL	< 3.0 ug/L
Benzene	EPA 624	06/12/13	LSL	< 3.0 ug/L
Trichloroethene	EPA 624	06/12/13	LSL	< 3.0 ug/L
1,2-Dichloropropane	EPA 624	06/12/13	LSL	< 3.0 ug/L
Bromodichloromethane	EPA 624	06/12/13	LSL	< 3.0 ug/L



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Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 649710

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
2-Chloroethylvinyl Ether	EPA 624	06/12/13		LSL	< 5.0 ug/L
cis-1,3-Dichloropropene	EPA 624	06/12/13		LSL	< 3.0 ug/L
Toluene	EPA 624	06/12/13		LSL	< 3.0 ug/L
trans-1,3-Dichloropropene	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,1,2-Trichloroethane	EPA 624	06/12/13		LSL	< 3.0 ug/L
Tetrachloroethene	EPA 624	06/12/13		LSL	< 3.0 ug/L
Dibromochloromethane	EPA 624	06/12/13		LSL	< 3.0 ug/L
Chlorobenzene	EPA 624	06/12/13		LSL	< 3.0 ug/L
Ethylbenzene	EPA 624	06/12/13		LSL	< 3.0 ug/L
m & p-Xylene	EPA 624	06/12/13		LSL	< 3.0 ug/L
o-Xylene	EPA 624	06/12/13		LSL	< 3.0 ug/L
Bromoform	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,1,2,2-Tetrachloroethane	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,3-Dichlorobenzene	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,4-Dichlorobenzene	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,2-Dichlorobenzene	EPA 624	06/12/13		LSL	< 3.0 ug/L

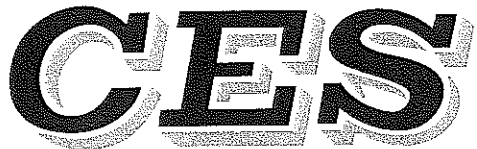
Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

APPROVED BY:

Rachel R. Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



Certified
Environmental
Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 07/01/2013

SAMPLE NUMBER- 649711 SAMPLE ID- RW-A Influent SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1047
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Analytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	ANALYSIS DATE	TIME BY	RESULT UNITS
Sample Receipt Temperature		06/04/13	KC	3.6 Degrees C
EPA 624 Volatiles	EPA 624	06/12/13	LSL	
Chloromethane	EPA 624	06/12/13	LSL	< 5.0 ug/L
Vinyl Chloride	EPA 624	06/12/13	LSL	< 2.0 ug/L
Bromomethane	EPA 624	06/12/13	LSL	< 5.0 ug/L
Chloroethane	EPA 624	06/12/13	LSL	< 5.0 ug/L
Trichlorofluoromethane	EPA 624	06/12/13	LSL	< 3.0 ug/L
1,1-Dichloroethene	EPA 624	06/12/13	LSL	< 3.0 ug/L
Methylene Chloride	EPA 624	06/12/13	LSL	< 5.0 ug/L
trans-1,2-Dichloroethene	EPA 624	06/12/13	LSL	< 3.0 ug/L
1,1-Dichloroethane	EPA 624	06/12/13	LSL	< 3.0 ug/L
Chloroform	EPA 624	06/12/13	LSL	< 3.0 ug/L
1,1,1-Trichloroethane	EPA 624	06/12/13	LSL	< 3.0 ug/L
Carbon Tetrachloride	EPA 624	06/12/13	LSL	< 3.0 ug/L
1,2-Dichloroethane	EPA 624	06/12/13	LSL	< 3.0 ug/L
Benzene	EPA 624	06/12/13	LSL	< 3.0 ug/L
Trichloroethene	EPA 624	06/12/13	LSL	< 3.0 ug/L
1,2-Dichloropropane	EPA 624	06/12/13	LSL	< 3.0 ug/L
Bromodichloromethane	EPA 624	06/12/13	LSL	< 3.0 ug/L



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7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 649711

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
2-Chloroethylvinyl Ether	EPA 624	06/12/13		LSL	< 5.0 ug/L
cis-1,3-Dichloropropene	EPA 624	06/12/13		LSL	< 3.0 ug/L
Toluene	EPA 624	06/12/13		LSL	< 3.0 ug/L
trans-1,3-Dichloropropene	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,1,2-Trichloroethane	EPA 624	06/12/13		LSL	< 3.0 ug/L
Tetrachloroethene	EPA 624	06/12/13		LSL	< 3.0 ug/L
Dibromochloromethane	EPA 624	06/12/13		LSL	< 3.0 ug/L
Chlorobenzene	EPA 624	06/12/13		LSL	< 3.0 ug/L
Ethylbenzene	EPA 624	06/12/13		LSL	< 3.0 ug/L
m & p-Xylene	EPA 624	06/12/13		LSL	< 3.0 ug/L
o-Xylene	EPA 624	06/12/13		LSL	< 3.0 ug/L
Bromoform	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,1,2,2-Tetrachloroethane	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,3-Dichlorobenzene	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,4-Dichlorobenzene	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,2-Dichlorobenzene	EPA 624	06/12/13		LSL	< 3.0 ug/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

APPROVED BY:

Rachel R. Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



Certified
Environmental
Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Analytic
6034 Corporate Dr.
East Syracuse, NY 13057-
Attn: Mr. Tony Scala

PROJECT NAME: T/O Van Buren Residents
DATE: 07/01/2013

SAMPLE NUMBER- 649712 SAMPLE ID- RW-A In Between SAMPLE MATRIX- WW
DATE SAMPLED- 06/04/13 TIME SAMPLED- 1045
DATE RECEIVED- 06/04/13 SAMPLER- James Soucy(Analytic) RECEIVED BY- KC
TIME RECEIVED- 1610 DELIVERED BY- Megan Guilford TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		06/04/13		KC	3.6 Degrees C
EPA 624 Volatiles	EPA 624	06/12/13		LSL	
Chloromethane	EPA 624	06/12/13		LSL	< 5.0 ug/L
Vinyl Chloride	EPA 624	06/12/13		LSL	< 2.0 ug/L
Bromomethane	EPA 624	06/12/13		LSL	< 5.0 ug/L
Chloroethane	EPA 624	06/12/13		LSL	< 5.0 ug/L
Trichlorofluoromethane	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,1-Dichloroethene	EPA 624	06/12/13		LSL	< 3.0 ug/L
Methylene Chloride	EPA 624	06/12/13		LSL	< 5.0 ug/L
trans-1,2-Dichloroethene	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,1-Dichloroethane	EPA 624	06/12/13		LSL	< 3.0 ug/L
Chloroform	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,1,1-Trichloroethane	EPA 624	06/12/13		LSL	< 3.0 ug/L
Carbon Tetrachloride	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,2-Dichloroethane	EPA 624	06/12/13		LSL	< 3.0 ug/L
Benzene	EPA 624	06/12/13		LSL	< 3.0 ug/L
Trichloroethene	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,2-Dichloropropane	EPA 624	06/12/13		LSL	< 3.0 ug/L
Bromodichloromethane	EPA 624	06/12/13		LSL	< 3.0 ug/L



Certified
Environmental
Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 649712

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
2-Chloroethylvinyl Ether	EPA 624	06/12/13		LSL	< 5.0 ug/L
cis-1,3-Dichloropropene	EPA 624	06/12/13		LSL	< 3.0 ug/L
Toluene	EPA 624	06/12/13		LSL	< 3.0 ug/L
trans-1,3-Dichloropropene	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,1,2-Trichloroethane	EPA 624	06/12/13		LSL	< 3.0 ug/L
Tetrachloroethene	EPA 624	06/12/13		LSL	< 3.0 ug/L
Dibromochloromethane	EPA 624	06/12/13		LSL	< 3.0 ug/L
Chlorobenzene	EPA 624	06/12/13		LSL	< 3.0 ug/L
Ethylbenzene	EPA 624	06/12/13		LSL	< 3.0 ug/L
m & p-Xylene	EPA 624	06/12/13		LSL	< 3.0 ug/L
o-Xylene	EPA 624	06/12/13		LSL	< 3.0 ug/L
Bromoform	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,1,2,2-Tetrachloroethane	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,3-Dichlorobenzene	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,4-Dichlorobenzene	EPA 624	06/12/13		LSL	< 3.0 ug/L
1,2-Dichlorobenzene	EPA 624	06/12/13		LSL	< 3.0 ug/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

APPROVED BY: Rachel R Bonczyk
(Terms and Conditions on Reverse Side)

Rachel R. Bonczyk
Technical Director



**Certified
Environmental
Services, Inc.**

7280 Caswell Place
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

Sample Receiving Check List

Client Name: Endeotic

Batch Number: D2129

	Yes	No	If No Explain:
1. Proper Full and Complete Documentation:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
2. Appropriate Sample Containers:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
3. Adequate Sample Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4. Hold Time(OK):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5. Proper sample labeling:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
6. Sample Temperature:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
7. Samples received in good condition And with proper/adequate preservation:	<input type="checkbox"/>	<input type="checkbox"/>	_____

Additional Comments: _____

Client Correspondence: _____

This checklist is to be attached to the Original Chain of Custody.

Jpstate Laboratories, Inc.

Tap Water / Surface Water / Wastewater Field Log

Client: Barton and Loguidice, P.C.

Sampler (print): James Soucy/Amanda Yaworsky

Project: Van Buren Landfill Residents

Signature: 

Date: 5/30/2013

Location	<u>RW-A</u>	TIME SAMPLED	<u></u>	ULI ID. NO.	<u></u>
EH (as ORP)	<u></u> MV	WEATHER CONDITION:	<u></u>		
TEMPERATURE	<u></u> C	APPEARANCE / OBSERVATIONS	<u></u>		
PH	<u></u> STD.UNITS	DO	<u>N/A</u>	MG/L	<u></u>
SPEC. CON.	<u></u> UMHOS/CM	STAFF GUAGE	<u>N/A</u>	<u></u>	
TURB	<u></u> NTU				

Location	<u>RW-B</u>	TIME SAMPLED	<u>1:49pm</u>	ULI ID. NO.	<u></u>
EH (as ORP)	<u>165</u> MV	WEATHER CONDITION:	<u>Sunny</u>		
TEMPERATURE	<u>18.0</u> C	APPEARANCE / OBSERVATIONS	<u>Clear</u>		
PH	<u>7.25</u> STD.UNITS	DO	<u>N/A</u>	MG/L	<u></u>
SPEC. CON.	<u>3140</u> UMHOS/CM	STAFF GUAGE	<u>N/A</u>	<u></u>	
TURB	<u></u> NTU				

Location	<u>RW-C</u>	TIME SAMPLED	<u>1:36pm</u>	ULI ID. NO.	<u></u>
EH (as ORP)	<u>130</u> MV	WEATHER CONDITION:	<u>Sunny</u>		
TEMPERATURE	<u>18.1</u> C	APPEARANCE / OBSERVATIONS	<u>Clear</u>		
PH	<u>7.20</u> STD.UNITS	DO	<u>N/A</u>	MG/L	<u></u>
SPEC. CON.	<u>3200</u> UMHOS/CM	STAFF GUAGE	<u>N/A</u>	<u></u>	
TURB	<u></u> NTU				

Location	<u></u>	TIME SAMPLED	<u></u>	ULI ID. NO.	<u></u>
EH	<u></u> MV	WEATHER CONDITION:	<u></u>		
TEMPERATURE	<u></u> C OR F	APPEARANCE / OBSERVATIONS	<u></u>		
PH	<u></u> STD.UNITS	DO	<u></u>	MG/L	<u></u>
SPEC. CON.	<u></u> UMHOS/CM	STAFF GUAGE	<u></u>		
TURB	<u></u> NTU				

Location	<u></u>	TIME SAMPLED	<u></u>	ULI ID. NO.	<u></u>
EH	<u></u> MV	WEATHER CONDITION:	<u></u>		
TEMPERATURE	<u></u> C OR F	APPEARANCE / OBSERVATIONS	<u></u>		
PH	<u></u> STD.UNITS	DO	<u></u>	MG/L	<u></u>
SPEC. CON.	<u></u> UMHOS/CM	STAFF GUAGE	<u></u>		
TURB	<u></u> NTU				

Location	<u></u>	TIME SAMPLED	<u></u>	ULI ID. NO.	<u></u>
EH	<u></u> MV	WEATHER CONDITION:	<u></u>		
TEMPERATURE	<u></u> C OR F	APPEARANCE / OBSERVATIONS	<u></u>		
PH	<u></u> STD.UNITS	DO	<u></u>	MG/L	<u></u>
SPEC. CON.	<u></u> UMHOS/CM	STAFF GUAGE	<u></u>		
TURB	<u></u> NTU				

Upstate Laboratories, Inc.

Tap Water / Surface Water / Wastewater Field Log

Client: Barton and Loguidice, P.C.

Sampler (print): James Soucy

Project: Van Buren Landfill

Signature: *James Soucy*

Date: 6/4/2013

Location	<u>RW-A</u>	TIME SAMPLED	<u>10:41AM</u>	ULI ID. NO.	
pH (ORP)	<u>119</u> MV	WEATHER CONDITION:	<u>Sunny</u>		
TEMPERATURE	<u>18</u> C	APPEARANCE / OBSERVATIONS	<u>Clear</u>		
pH	<u>6.92</u> STD.UNITS	DO	<u>N/A</u>	MG/L	
PEC. CON.	<u>133.4</u> UMHOS/CM	STAFF GAUGE	<u>N/A</u>		
JRB	<u>NTU</u>				

Location	<u>RW-B</u>	TIME SAMPLED		ULI ID. NO.	
pH	<u> </u> MV	WEATHER CONDITION:			
TEMPERATURE	<u> </u> C	APPEARANCE / OBSERVATIONS			
pH	<u> </u> STD.UNITS	DO	<u>N/A</u>	MG/L	
PEC. CON.	<u> </u> UMHOS/CM	STAFF GAUGE	<u>N/A</u>		
JRB	<u>NTU</u>				

Location	<u>RW-C</u>	TIME SAMPLED		ULI ID. NO.	
pH	<u> </u> MV	WEATHER CONDITION:			
TEMPERATURE	<u> </u> C	APPEARANCE / OBSERVATIONS			
pH	<u> </u> STD.UNITS	DO	<u>N/A</u>	MG/L	
PEC. CON.	<u> </u> UMHOS/CM	STAFF GAUGE	<u>N/A</u>		
JRB	<u>NTU</u>				

Location	<u> </u>	TIME SAMPLED		ULI ID. NO.	
pH	<u> </u> MV	WEATHER CONDITION:			
TEMPERATURE	<u> </u> C OR F	APPEARANCE / OBSERVATIONS			
pH	<u> </u> STD.UNITS	DO	<u> </u>	MG/L	
PEC. CON.	<u> </u> UMHOS/CM	STAFF GAUGE			
JRB	<u>NTU</u>				

Location	<u> </u>	TIME SAMPLED		ULI ID. NO.	
pH	<u> </u> MV	WEATHER CONDITION:			
TEMPERATURE	<u> </u> C OR F	APPEARANCE / OBSERVATIONS			
pH	<u> </u> STD.UNITS	DO	<u> </u>	MG/L	
PEC. CON.	<u> </u> UMHOS/CM	STAFF GAUGE			
JRB	<u>NTU</u>				

Location	<u> </u>	TIME SAMPLED		ULI ID. NO.	
pH	<u> </u> MV	WEATHER CONDITION:			
TEMPERATURE	<u> </u> C OR F	APPEARANCE / OBSERVATIONS			
pH	<u> </u> STD.UNITS	DO	<u> </u>	MG/L	
PEC. CON.	<u> </u> UMHOS/CM	STAFF GAUGE			
JRB	<u>NTU</u>				

Analytic Laboratories, LLC

Chain of Custody Record

3034 Corporate Drive E. Syracuse New York 13057
 Phone (315) 437 0255
 Fax (315) 437 1209

Client Contact:		Project #/ Project Name		Number of Containers										Remarks																																																																																													
Sample ID	Date	Time	Matrix	GRAB OR COMP	GLI Internal Use Only	1	2	3	4	5	6	7	8	9	10	1988 NYSDEC PART 360 ROUTINE LIST W/VOC'S																																																																																											
ANTHONY SCALA	437-0255		VAN BUREN, NY		E1305014												Field readings analyzed and reported by Analytic																																																																																										
RW-A			WATER	GRAB	4	X	X	X	X	X	X	X	X																																																																																														
RW-A INFLUENT			WATER	GRAB	4																																																																																																						
RW-A IN BETWEEN			WATER	GRAB	3																																																																																																						
RW-B	5/30/13	1:49 pm	WATER	GRAB	4	X	X	X	X	X	X	X	X																																																																																														
RW-C	5/30/13	1:30 pm	WATER	GRAB	5	X	X	X	X	X	X	X	X																																																																																														
JLI TRIP BLANK	5/30/13		WATER	GRAB	3																																																																																																						
<table border="1"> <thead> <tr> <th>Parameter and Method</th> <th>Sample bottle:</th> <th>Type</th> <th>Size</th> <th>Preservative</th> <th>Sampled by (Print)</th> <th>Name of Courier</th> </tr> </thead> <tbody> <tr> <td>FIELD PH, TEMP, EH, SPEC. COND. (SWE)</td> <td></td> <td>N/A</td> <td></td> <td></td> <td>Jones Savoy/ Amanda Yaworski</td> <td>(Analytic)</td> </tr> <tr> <td>NO3, IDS, SO4, CL-, TURBIDITY</td> <td>5/21/13</td> <td>PLASTIC</td> <td>1000 ML</td> <td>NONE</td> <td>Company: Analytic</td> <td></td> </tr> <tr> <td>NH3, COD</td> <td></td> <td>PLASTIC</td> <td>500 ML</td> <td>H2SO4</td> <td></td> <td></td> </tr> <tr> <td>TOC</td> <td></td> <td>PLASTIC</td> <td>250 ML</td> <td>1:1 HCL</td> <td></td> <td></td> </tr> <tr> <td>ALKALINITY</td> <td></td> <td>PLASTIC</td> <td>250 ML</td> <td>NONE</td> <td></td> <td></td> </tr> <tr> <td>T-PHENOLS</td> <td></td> <td>AMBER</td> <td>1L</td> <td>H2SO4</td> <td></td> <td></td> </tr> <tr> <td>T-CD, CA, FE, PB, MG, MN, K, NA, +CALC. HARDNESS</td> <td></td> <td>PLASTIC</td> <td>500 ML</td> <td>HNO3</td> <td></td> <td></td> </tr> <tr> <td>EPA 601/602 (BY EPA 624)</td> <td></td> <td>2 VIALS</td> <td>40 ML</td> <td>1:1 HCL</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Relinquished by: (sign)</td> <td>Received by: (sign)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Relinquished by: (sign)</td> <td>Received by: (sign)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Relinquished by: (sign)</td> <td>Rec'd for Lab by:</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>																	Parameter and Method	Sample bottle:	Type	Size	Preservative	Sampled by (Print)	Name of Courier	FIELD PH, TEMP, EH, SPEC. COND. (SWE)		N/A			Jones Savoy/ Amanda Yaworski	(Analytic)	NO3, IDS, SO4, CL-, TURBIDITY	5/21/13	PLASTIC	1000 ML	NONE	Company: Analytic		NH3, COD		PLASTIC	500 ML	H2SO4			TOC		PLASTIC	250 ML	1:1 HCL			ALKALINITY		PLASTIC	250 ML	NONE			T-PHENOLS		AMBER	1L	H2SO4			T-CD, CA, FE, PB, MG, MN, K, NA, +CALC. HARDNESS		PLASTIC	500 ML	HNO3			EPA 601/602 (BY EPA 624)		2 VIALS	40 ML	1:1 HCL								Relinquished by: (sign)	Received by: (sign)						Relinquished by: (sign)	Received by: (sign)						Relinquished by: (sign)	Rec'd for Lab by:							
Parameter and Method	Sample bottle:	Type	Size	Preservative	Sampled by (Print)	Name of Courier																																																																																																					
FIELD PH, TEMP, EH, SPEC. COND. (SWE)		N/A			Jones Savoy/ Amanda Yaworski	(Analytic)																																																																																																					
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					Relinquished by: (sign)	Received by: (sign)																																																																																																					
					Relinquished by: (sign)	Rec'd for Lab by:																																																																																																					

Syracuse (PFF) Rochester Buffalo Albany Rinhampton Fair Lawn (N.J.)

[Signature]
 5/30/13 1436

Enviroc Laboratories, LLC

Chain of Custody Record

1034 Corporate Drive E. Syracuse New York 13057
 Phone (315) 437 0255 Fax (315) 437 1209

Client Contact:		Project #/ Project Name		Number of Containers										Remarks			
Sample ID	Phone #	Date	Time	Matrix	GRAB OR COMP	Internal Use Only	1	2	3	4	5	6	7	8	9	10	1988 NYSDEC PART 360 ROUTINE LIST W/ VOC'S
ANALYTIC LLC		T/O VAN BUREN RESIDENTS															
ANTHONY SCALA		VAN BUREN, NY															
3W-A	641/13	6/4/13	10:41 AM	WATER	GRAB	1	X	X	X	X	X	X	X	X	X	X	Field readings analyzed and reported by Enalytic
3W-A INFLUENT	641/13	6/4/13	10:47 AM	WATER	GRAB	2											
3W-A IN BETWEEN	641/13	6/4/13	10:45 AM	WATER	GRAB	3											
3W-B				WATER	GRAB		X	X	X	X	X	X	X	X	X	X	
3W-C				WATER	GRAB		X	X	X	X	X	X	X	X	X	X	
ELL TRIP BLANK				WATER	GRAB		1								X		
Parameter and Method		Sample bottle:		Type	Size	Preservative	Sampled by (Print) James Soudy										Name of Courier
1	FIELD PH, TEMP, EH, SPEC. COND (SWE)	12.7/13/13		N/A			Company: Enalytic										
2	NO3, TDS, SO4, CL-, TURBIDITY			PLASTIC	1000 ML	NONE	Relinquished by: (sign) <i>Madan Gaudes</i>										Received by: (sign)
3	NH3, COD			PLASTIC	500 ML	H2SO4	Relinquished by: (sign)										Date 6/4/2013
4	TOC			PLASTIC	250 ML	1:1 HCL	Relinquished by: (sign)										Date 6/4/2013
5	ALKALINITY			PLASTIC	250 ML	NONE	Relinquished by: (sign)										Date 6/4/2013
6	T-PHENOLS			AMBER	1L	H2SO4	Relinquished by: (sign)										Date 6/4/2013
7	T-CD, CA, FE, PB*, MG, MN, K, NA, +CALC. HARDNESS			PLASTIC	500 ML	HNO3	Relinquished by: (sign)										Date 6/4/2013
8	EPA 601/602 (BY EPA 624)			2 VIALS	40 ML	1:1 HCL	Relinquished by: (sign)										Date 6/4/2013
9							Relinquished by: (sign)										Date 6/4/2013
10							Relinquished by: (sign)										Date 6/4/2013
Syracuse (PFF)		Rochester		Buffalo	Albany	Binghamton	Fair Lawn (NJ)										3-6

Analytic Laboratories

INVOICE

REMIT TO: **Analytic, LLC**
Accounts Receivable
PO Box 289
Syracuse, New York 13206-0289
TEL: (315) 437-0255

INV DATE: *July 3, 2013*

Invoice No: 52167

Invoice TO: **Town of Van Buren**
7575 Van Buren Road
Baldwinsville, NY 13027

Attn: **Mr. Jason E. Hoy, P.E.**
 Phone: **(315) 635-3011**

Work Order: **E1305014**
 PO Number:

Order Name: **Town of Van Buren Residents**
 Date Received: **6/4/2013**

Item	Remarks	Matrix	Qty	Quoted	Total
As per quotation number E1552 (dated 5/2/2013):					
Analytical Charges (subcontracted to CES)					
1988 Part 360 Routine List		Water	3	\$ 232.00	\$ 696.00
VOCs (601/602 list) by EPA Method		Water	5	92.00	460.00
Sampling Charges (conducted by Analytic, LLC)		Water	1	200.00	200.00

INVOICE TOTAL: \$1,356.00

Invoices are due and payable net 30 days from receipt.
 Past due invoices will be assessed a finance charge of 1.5% per month (18% per annum).

We accept MasterCard, VISA, and Discover.
 Please call 315-437-0255 x221 for processing.

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

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

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

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

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

TOTAL METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	—	[0.003]	0.025	1	[0.003]	0.01	—	0.05	0.05	0.2	0.3
MW-55											
29-Mar-96	—	—	0.009	0.5	—	< 0.005	160	—	—	—	9.1
20-Jun-96	0.1	< 0.003	0.008	0.5	< 0.005	< 0.005	150	< 0.05	< 0.01	< 0.02	8.9
5-Sep-96	—	—	0.008	0.5	—	< 0.005	180	—	—	—	11
12-Dec-96	—	—	0.009	0.5	—	< 0.005	150	—	—	—	9.1
28-Mar-97	—	—	0.011	0.4	—	0.01	160	—	—	—	9.7
3-Jun-97	—	—	0.01	0.4	—	< 0.005	150	—	—	—	9.6
30-Sep-97	< 0.05	< 0.003	0.01	0.3	< 0.005	< 0.005	160	< 0.05	< 0.01	< 0.02	9.4
9-Dec-97	—	—	0.009	0.4	—	< 0.005	170	—	—	—	7.8
30-Mar-98	—	—	0.01	0.5	—	0.005	150	—	—	—	8.7
22-Oct-98	0.11	< 0.003	0.007	0.5	< 0.005	< 0.005	100	< 0.05	< 0.01	< 0.02	8.6
10-Jun-99	0.09	< 0.003	0.008	0.4	< 0.005	< 0.005	160	< 0.05	< 0.01	0.02	7.7
7-Oct-99	—	—	—	—	—	0.005	180	—	—	—	8
11-May-00	—	—	—	—	—	< 0.005	190	—	—	—	8.2
19-Oct-00	0.08	< 0.003	0.008	0.5	< 0.005	< 0.005	190	< 0.05	< 0.01	< 0.02	7.5
6-Jun-01	0.23	< 0.003	0.035	0.4	< 0.005	< 0.005	140	< 0.02	< 0.01	< 0.02	13
12-Nov-01	—	—	< 0.010	0.4	—	< 0.005	140	—	—	—	6.5
31-May-02	—	—	0.013	0.4	—	< 0.005	140	—	—	—	6.5
21-Nov-02	0.09	< 0.003	< 0.010	0.4	< 0.005	< 0.005	150	< 0.05	< 0.01	< 0.02	5.1
16-May-03	0.15	< 0.003	0.013	0.4	< 0.005	0.006	150	< 0.05	< 0.01	< 0.02	5.6
18-Dec-03	—	—	0.015	0.5	—	< 0.005	170	—	—	—	5.7
27-May-04	—	—	0.012	0.4	—	< 0.005	140	—	—	—	5.7
14-Dec-04	—	—	< 0.010	0.4	—	< 0.005	140	—	—	—	5.2
11-May-05	< 0.05	< 0.003	0.017	< 0.3	< 0.005	< 0.005	92	< 0.05	< 0.01	< 0.04	3.8
17-Nov-05	—	—	0.014	0.8	—	< 0.005	120	—	—	—	3.9
29-Dec-06	0.1	< 0.003	< 0.010	0.5	< 0.005	< 0.005	170	< 0.05	< 0.01	< 0.02	7.5
27-Jun-07	—	—	< 0.010	0.4	—	< 0.005	140	—	—	—	4.7
31-Oct-08	< 0.05	< 0.003	< 0.010	0.3	< 0.005	< 0.005	120	< 0.05	< 0.01	< 0.02	0.1
1-Jun-09	—	—	—	—	—	< 0.005	160	—	—	—	5.9
20-Oct-10	—	—	—	—	—	—	61	—	—	—	1.5
15-Feb-11	—	—	—	—	—	—	190	—	—	—	6.3
30-Jun-11	—	—	—	—	—	—	160	—	—	—	5.9
20-Dec-12	—	—	—	.41	—	—	200	—	—	—	5.5
6-Jun-13	—	—	—	—	—	< 0.005	150	—	—	—	4.9

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

TOTAL METALS											
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.004]	0.3
MW-55											
29-Mar-96	0.004	30	1.2	< 0.0004	-	7.9	22	-	-	-	-
20-Jun-96	0.005	28	1.2	< 0.0004	< 0.03	6.6	22	0.002	< 0.05	< 0.003	0.01
5-Sep-96	0.002	37	1.4	< 0.0004	-	7	20	-	-	-	-
12-Dec-96	< 0.001	29	1.1	< 0.0004	-	7.3	24	-	-	-	-
28-Mar-97	< 0.001	32	1.2	< 0.0004	-	6.6	18	-	-	-	-
3-Jun-97	0.01	31	1.1	< 0.0004	-	5.7	21	-	-	-	-
30-Sep-97	< 0.001	34	1.1	< 0.0004	< 0.03	9.3	20	< 0.001	< 0.05	< 0.003	0.04
9-Dec-97	0.002	32	1.1	< 0.0004	-	11	23	-	-	-	-
30-Mar-98	0.01	26	0.96	< 0.0004	-	10	25	-	-	-	-
22-Oct-98	< 0.001	34	1.3	< 0.0004	0.05	9.2	16	0.001	< 0.05	< 0.003	0.01
10-Jun-99	0.002	32	1.1	< 0.0004	< 0.03	11	19	0.001	< 0.05	< 0.003	0.01
7-Oct-99	0.006	36	1.2	-	-	8.3	12	-	-	-	-
11-May-00	0.002	37	1.3	-	-	8.2	19	-	-	-	-
19-Oct-00	0.003	34	1.2	< 0.0004	0.06	8	13	< 0.001	< 0.05	0.028	< 0.01
6-Jun-01	< 0.001	28	0.78	< 0.0004	< 0.03	11	24	< 0.001	< 0.05	< 0.003	0.02
12-Nov-01	0.002	30	1.1	0.0006	-	8.5	13	-	-	-	-
31-May-02	< 0.001	30	1	< 0.0004	-	8.3	18	-	-	-	-
21-Nov-02	< 0.001	30	1	< 0.0004	< 0.03	7.7	11	< 0.005	< 0.05	< 0.003	0.01
16-May-03	0.001	30	0.89	< 0.0004	0.06	8.1	17	< 0.005	< 0.05	< 0.003	0.02
18-Dec-03	< 0.001	35	1.5	< 0.0004	-	9.2	15	-	-	-	-
27-May-04	0.003	30	0.91	< 0.0004	-	7.8	16	-	-	-	-
14-Dec-04	0.001	30	0.97	< 0.0004	-	8.5	13	-	-	-	-
11-May-05	< 0.001	21	0.7	< 0.0004	< 0.03	6.9	13	< 0.005	< 0.05	< 0.003	< 0.01
17-Nov-05	< 0.001	26	0.86	< 0.0004	-	5.8	8	-	-	-	-
29-Dec-06	< 0.003	38	1.3	< 0.0004	< 0.03	7.9	18	< 0.005	< 0.05	< 0.003	0.27
27-Jun-07	< 0.003	32	1.1	< 0.0004	-	7.8	16	-	-	-	-
31-Oct-08	< 0.003	36	0.1	< 0.0004	< 0.03	8.2	16	< 0.005	< 0.05	< 0.003	> 0.01
1-Jun-09	< 0.003	37	1.3	-	-	8.1	17	-	-	-	-
20-Oct-10	-	19	0.15	-	-	13	38	-	-	-	-
15-Feb-11	-	42	1.3	-	-	7.6	14	-	-	-	-
30-Jun-11	-	38	1.3	-	-	8.2	16	-	-	-	-
20-Dec-12	-	39	1.3	-	-	7.1	12	-	-	-	-
6-Jun-13	< 0.02	36	1.3	-	-	6.3	14	-	-	-	-

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

DISSOLVED METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1	[0.003]	0.01	-	0.05	0.05	0.2	0.3
MW-55											
29-Mar-96	-	-	-	-	-	-	-	-	-	-	-
20-Jun-96	-	-	-	-	-	-	-	-	-	-	-
5-Sep-96	-	-	-	-	-	-	-	-	-	-	-
12-Dec-96	-	-	-	-	-	-	-	-	-	-	-
28-Mar-97	-	-	-	-	-	-	-	-	-	-	-
3-Jun-97	-	-	-	-	-	-	-	-	-	-	-
30-Sep-97	-	-	-	-	-	-	-	-	-	-	-
9-Dec-97	-	-	-	-	-	-	-	-	-	-	-
30-Mar-98	-	-	-	-	-	-	-	-	-	-	-
22-Oct-98	-	-	-	-	-	-	-	-	-	-	-
10-Jun-99	-	-	-	-	-	-	-	-	-	-	-
7-Oct-99	-	-	-	-	-	-	-	-	-	-	-
11-May-00	-	-	-	-	-	-	-	-	-	-	-
19-Oct-00	-	-	-	-	-	-	-	-	-	-	-
6-Jun-01	-	-	-	-	-	-	-	-	-	-	-
12-Nov-01	-	-	-	-	-	-	-	-	-	-	-
31-May-02	-	-	-	-	-	-	-	-	-	-	-
21-Nov-02	-	-	-	-	-	-	-	-	-	-	-
16-May-03	-	-	-	-	-	-	-	-	-	-	-
18-Dec-03	-	-	-	-	-	-	-	-	-	-	-
27-May-04	-	-	-	-	-	-	-	-	-	-	-
14-Dec-04	-	-	-	-	-	-	-	-	-	-	-
11-May-05	-	-	-	-	-	-	-	-	-	-	-
17-Nov-05	-	-	-	-	-	-	-	-	-	-	-
29-Dec-06	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-
31-Oct-08	-	-	-	-	-	-	-	-	-	-	-
1-Jun-09	-	-	-	-	-	-	-	-	-	-	-
20-Oct-10	-	-	-	-	-	-	-	-	-	-	-
15-Feb-11	-	-	-	-	-	-	-	-	-	-	-
30-Jun-11	-	-	-	-	-	-	-	-	-	-	-
20-Dec-12	-	-	-	-	-	-	-	-	-	-	-
6-Jun-13	-	-	-	-	-	-	-	-	-	-	-

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

DISSOLVED METALS											
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.004]	0.3
MW-55											
29-Mar-96	-	-	-	-	-	-	-	-	-	-	-
20-Jun-96	-	-	-	-	-	-	-	-	-	-	-
5-Sep-96	-	-	-	-	-	-	-	-	-	-	-
12-Dec-96	-	-	-	-	-	-	-	-	-	-	-
28-Mar-97	-	-	-	-	-	-	-	-	-	-	-
3-Jun-97	-	-	-	-	-	-	-	-	-	-	-
30-Sep-97	-	-	-	-	-	-	-	-	-	-	-
9-Dec-97	-	-	-	-	-	-	-	-	-	-	-
30-Mar-98	-	-	-	-	-	-	-	-	-	-	-
22-Oct-98	-	-	-	-	-	-	-	-	-	-	-
10-Jun-99	-	-	-	-	-	-	-	-	-	-	-
7-Oct-99	-	-	-	-	-	-	-	-	-	-	-
11-May-00	-	-	-	-	-	-	-	-	-	-	-
19-Oct-00	-	-	-	-	-	-	-	-	-	-	-
6-Jun-01	-	-	-	-	-	-	-	-	-	-	-
12-Nov-01	-	-	-	-	-	-	-	-	-	-	-
31-May-02	-	-	-	-	-	-	-	-	-	-	-
21-Nov-02	-	-	-	-	-	-	-	-	-	-	-
16-May-03	-	-	-	-	-	-	-	-	-	-	-
18-Dec-03	-	-	-	-	-	-	-	-	-	-	-
27-May-04	-	-	-	-	-	-	-	-	-	-	-
14-Dec-04	-	-	-	-	-	-	-	-	-	-	-
11-May-05	-	-	-	-	-	-	-	-	-	-	-
17-Nov-05	-	-	-	-	-	-	-	-	-	-	-
29-Dec-06	-	-	-	-	-	-	-	-	-	-	-
27-Jun-07	-	-	-	-	-	-	-	-	-	-	-
31-Oct-08	-	-	-	-	-	-	-	-	-	-	-
1-Jun-09	-	-	-	-	-	-	-	-	-	-	-
20-Oct-10	-	-	-	-	-	-	-	-	-	-	-
15-Feb-11	-	-	-	-	-	-	-	-	-	-	-
30-Jun-11	-	-	-	-	-	-	-	-	-	-	-
20-Dec-12	-	-	-	-	-	-	-	-	-	-	-
6-Jun-13	-	-	-	-	-	-	-	-	-	-	-

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

ORGANIC PARAMETERS (DETECTED)

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

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

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

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

INORGANIC PARAMETERS

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

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)
SNYCR Part 703 GROUNDWATER STANDARD	—	[0.003]	0.025	1	[0.003]	0.01	—	0.05	0.05	0.2	0.3
MW-5D											
29-Mar-96	—	—	0.009	< 0.3	—	< 0.005	160	—	—	—	2.7
20-Jun-96	0.27	< 0.003	0.012	< 0.3	< 0.005	< 0.005	410	< 0.05	< 0.01	< 0.02	3.5
5-Sep-96	—	—	0.019	< 0.3	—	< 0.005	460	—	—	—	4.2
12-Dec-96	—	—	0.008	< 0.3	—	< 0.005	360	—	—	—	2.1
28-Mar-97	—	—	0.02	< 0.3	—	< 0.005	390	—	—	—	3.9
3-Jun-97	—	—	0.019	< 0.3	—	< 0.005	420	—	—	—	4.8
30-Sep-97	< 0.05	< 0.003	0.009	< 0.3	< 0.005	< 0.005	430	< 0.05	< 0.01	< 0.02	2.9
9-Dec-97	—	—	0.009	< 0.3	—	< 0.005	430	—	—	—	2.5
30-Mar-98	—	—	0.006	< 0.3	—	0.005	400	—	—	—	2.5
22-Oct-98	0.14	0.004	0.008	< 0.3	< 0.005	< 0.005	140	< 0.05	< 0.01	< 0.02	2.8
10-Jun-99	0.14	< 0.003	0.011	< 0.3	< 0.005	< 0.005	420	< 0.05	< 0.01	0.03	2.8
7-Oct-99	—	—	—	—	—	< 0.005	480	—	—	—	2.9
11-May-00	—	—	—	—	—	< 0.005	370	—	—	—	2.7
19-Oct-00	0.27	< 0.003	0.009	< 0.3	< 0.005	< 0.005	480	< 0.05	< 0.01	0.02	2.6
6-Jun-01	< 0.05	< 0.003	0.011	< 0.3	< 0.005	< 0.005	360	< 0.05	< 0.01	< 0.02	2.3
12-Nov-01	—	—	< 0.010	< 0.3	—	< 0.005	400	—	—	—	5
31-May-02	—	—	0.047	< 0.3	—	< 0.005	330	—	—	—	5
21-Nov-02	0.3	< 0.003	< 0.010	< 0.03	< 0.005	0.007	370	< 0.05	< 0.01	0.03	2.2
16-May-03	0.32	0.012	< 0.010	< 0.3	< 0.005	0.007	390	< 0.05	< 0.01	0.03	2
18-Dec-03	—	—	< 0.010	< 0.3	—	< 0.005	210	—	—	—	1.4
27-May-04	—	—	< 0.010	< 0.3	—	< 0.005	360	—	—	—	2.6
14-Dec-04	—	—	< 0.010	< 0.3	—	< 0.005	360	—	—	—	2.5
11-May-05	0.18	< 0.003	0.024	< 0.3	< 0.005	< 0.005	330	< 0.05	< 0.01	0.05	2.3
17-Nov-05	—	—	0.025	< 0.3	—	< 0.005	350	—	—	—	2.8
29-Dec-06	0.11	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	280	< 0.05	< 0.01	< 0.02	1.6
27-Jun-07	—	—	< 0.010	< 0.3	—	< 0.005	410	—	—	—	3.4
31-Oct-08	< 0.05	< 0.003	0.013	0.3	< 0.005	< 0.005	460	< 0.05	< 0.01	< 0.02	4.5
1-Jun-09	—	—	—	—	—	< 0.005	460	—	—	—	2.3
20-Oct-10	—	—	—	—	—	< 0.005	550	—	—	—	3.2
15-Feb-11	—	—	—	—	—	—	490	—	—	—	4.3
30-Jun-11	—	—	—	—	—	—	480	—	—	—	4.8
20-Dec-12	—	—	—	—	—	—	420	—	—	—	1.9
6-Jun-13	—	—	—	—	—	< 0.005	402	—	—	—	3.1

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

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

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

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

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

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

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
30-Jun-11	-	0
20-Dec-12	-	0
6-Jun-13	-	0

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

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

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

INORGANIC PARAMETERS

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

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

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

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

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

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

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

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

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

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

ORGANIC PARAMETERS (DETECTED)

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

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

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

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

INORGANIC PARAMETERS

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

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

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

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

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

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

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

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

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

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

ORGANIC PARAMETERS (DETECTED)

GROUND WATER	Methylene Chloride (ug/l)	TOTAL COMPOUNDS
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6NYCRR Part 703
GROUNDWATER
STANDARD

ANALYSIS METHOD 5

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

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

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

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

INORGANIC PARAMETERS

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

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

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

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

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

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

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

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

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

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

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

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

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

INORGANIC PARAMETERS

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

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

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

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

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

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

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

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

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

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

ORGANIC PARAMETERS (DETECTED)

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

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

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

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

INORGANIC PARAMETERS

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

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
30-Jun-11	-	-	-	-	-	-	69	-	-	-	2.2
26-Oct-12	0.9	-	-	-	-	-	83	-	-	-	0.9
6-Jun-13	-	-	-	-	-	<0.005	63	-	-	-	1.7

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	-	-	-	-
30-Jun-11	-	40	0.11	-	-	3.6	38	-	-	-	-
26-Oct-12	-	48	0.02	-	-	3.5	34	-	-	-	-
6-Jun-13	< 0.02	45	0.06	-	-	3.1	28	-	-	-	-

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)
GNYCRR Part 703 GROUNDWATER STANDARD	—	[0.003]	0.025	1	[0.003]	0.01	—	0.05	0.05	0.2	0.3
MW-9S											
29-Mar-96	—	—	—	—	—	—	—	—	—	—	—
20-Jun-96	0.06	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	50	< 0.05	—	< 0.02	< 0.03
5-Sep-96	—	—	< 0.001	< 0.3	—	< 0.005	60	—	—	—	0.04
12-Dec-96	—	—	< 0.001	< 0.3	—	< 0.005	44	—	—	—	0.04
28-Mar-97	—	—	—	—	—	—	—	—	—	—	—
3-Jun-97	—	—	—	—	—	—	—	—	—	—	—
30-Sep-97	—	—	—	—	—	—	—	—	—	—	—
9-Dec-97	—	—	—	—	—	—	—	—	—	—	—
30-Mar-98	—	—	< 0.001	< 0.3	—	< 0.005	52	—	—	—	0.19
22-Oct-98	0.14	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	48	< 0.05	—	< 0.02	0.1
10-Jun-99	0.07	< 0.003	< 0.001	0.3	< 0.005	< 0.005	54	< 0.05	—	< 0.02	< 0.03
7-Oct-99	—	—	—	—	—	< 0.005	59	—	—	—	0.15
11-May-00	—	—	—	—	—	< 0.005	47	—	—	—	0.08
19-Oct-00	—	—	—	—	—	—	—	—	—	—	—
6-Jun-01	—	—	—	—	—	—	—	—	—	—	—
12-Nov-01	—	—	—	—	—	—	—	—	—	—	—
31-May-02	—	—	—	—	—	—	—	—	—	—	—
21-Nov-02	—	—	—	—	—	—	—	—	—	—	—
16-May-03	—	—	—	—	—	—	—	—	—	—	—
18-Dec-03	—	—	—	—	—	—	—	—	—	—	—
27-May-04	—	—	—	—	—	—	—	—	—	—	—
14-Dec-04	—	—	0.015	< 0.3	—	< 0.005	380	—	—	—	3
11-May-05	—	—	—	—	—	—	—	—	—	—	—
17-Nov-05	—	—	—	—	—	—	—	—	—	—	—
29-Dec-06	—	—	—	—	—	—	—	—	—	—	—
27-Jun-07	—	—	—	—	—	—	—	—	—	—	—
31-Oct-08	—	—	—	—	—	—	—	—	—	—	—
1-Jun-09	—	—	—	—	—	—	—	—	—	—	—
20-Oct-10	—	—	—	—	—	—	—	—	—	—	—
30-Jun-11	—	—	—	—	—	—	—	—	—	—	—
26-Oct-12	—	—	—	—	—	—	65	—	—	—	0.16
6-Jun-13	—	—	—	—	—	< 0.01	52	—	—	—	< 0.05

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

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

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-95	Method		
29-Mar-96	-	-	-
20-Jun-96	(EPA 601/602)	< 1	0
5-Sep-96	-	-	-
12-Dec-96	-	-	-
28-Mar-97	-	-	-
4-Jun-97	-	-	-
30-Sep-97	(EPA 601/602)	< 1	0
9-Dec-97	-	-	-
31-Mar-98	-	-	-
22-Oct-98	(EPA 601/602)	< 1	0
10-Jun-99	(EPA 601/602)	< 1	0
7-Oct-99	-	-	-
11-May-00	-	-	-
19-Oct-00	(EPA 601/602)	< 1	0
6-Jun-01	(EPA 601/602)	< 1	0
12-Nov-01	-	-	-
31-May-02	-	-	-
21-Nov-02	(EPA 601/602)	< 1	0
20-May-03	(EPA 601/602)	< 1	0
18-Dec-03	-	-	-
27-May-04	-	-	-
14-Dec-04	-	-	-
11-May-05	(EPA 601/602)	2	2
17-Nov-05	-	-	-
29-Dec-06	(EPA 601/602)	< 1	0
27-Jun-07	-	-	-
31-Oct-08	(EPA 601/602)	< 1	0
1-Jun-09	-	-	-
20-Oct-10	-	-	-
30-Jun-11	-	-	-
26-Oct-12	-	-	-
6-Jun-13	-	-	-

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

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

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

INORGANIC PARAMETERS

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

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

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

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

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

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	-	-	-	-	-	-	-	-	-	-	-
30-Jun-11	-	-	-	-	-	-	-	-	-	-	-
26-Oct-12	-	-	-	-	-	-	-	-	-	-	-
6-Jun-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
MW-9D											
29-Mar-96	--	--	--	--	--	--	--	--	--	--	--
20-Jun-96	--	--	--	--	--	--	--	--	--	--	--
5-Sep-96	--	--	--	--	--	--	--	--	--	--	--
12-Dec-96	--	--	--	--	--	--	--	--	--	--	--
28-Mar-97	--	--	--	--	--	--	--	--	--	--	--
3-Jun-97	--	--	--	--	--	--	--	--	--	--	--
30-Sep-97	--	--	--	--	--	--	--	--	--	--	--
9-Dec-97	--	--	--	--	--	--	--	--	--	--	--
30-Mar-98	--	--	--	--	--	--	--	--	--	--	--
22-Oct-98	--	--	--	--	--	--	--	--	--	--	--
10-Jun-99	--	--	--	--	--	--	--	--	--	--	--
7-Oct-99	--	--	--	--	--	--	--	--	--	--	--
11-May-00	--	--	--	--	--	--	--	--	--	--	--
19-Oct-00	--	--	--	--	--	--	--	--	--	--	--
6-Jun-01	--	--	--	--	--	--	--	--	--	--	--
12-Nov-01	--	--	--	--	--	--	--	--	--	--	--
31-May-02	--	--	--	--	--	--	--	--	--	--	--
21-Nov-02	--	--	--	--	--	--	--	--	--	--	--
16-May-03	--	--	--	--	--	--	--	--	--	--	--
18-Dec-03	--	--	--	--	--	--	--	--	--	--	--
27-May-04	--	--	--	--	--	--	--	--	--	--	--
14-Dec-04	--	--	--	--	--	--	--	--	--	--	--
11-May-05	--	--	--	--	--	--	--	--	--	--	--
17-Nov-05	--	--	--	--	--	--	--	--	--	--	--
29-Dec-06	--	--	--	--	--	--	--	--	--	--	--
27-Jun-07	--	--	--	--	--	--	--	--	--	--	--
31-Oct-08	--	--	--	--	--	--	--	--	--	--	--
1-Jun-09	--	--	--	--	--	--	--	--	--	--	--
20-Oct-10	--	--	--	--	--	--	--	--	--	--	--
30-Jun-11	--	--	--	--	--	--	--	--	--	--	--
26-Oct-12	--	--	--	--	--	--	--	--	--	--	--
6-Jun-13	--	--	--	--	--	--	--	--	--	--	--

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

ORGANIC PARAMETERS (DETECTED)

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

Appendix E

Analytic Laboratories, LLC

*Shipping: 6034 Corporate Drive * East Syracuse, NY 13057 * (315) 437-0255 * Fax: (315) 437-1209*

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

July 8, 2013

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

Re: Town of Van Buren Landfill Gas Monitoring

Work Order: E1306004

Dear Mr. Hoy,

In accordance with your Environmental Monitoring Plan, please find attached test results for the above referenced project.

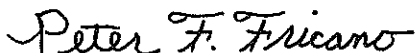
The sampling for the event was conducted by Analytic, LLC Field Technicians on June 3, 2013.

A total of 70 locations were monitored (30 Gas Vents and 40 Gas Points).

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

Thank you for your patronage.

Sincerely,
Analytic Laboratories, LLC



Peter F. Fricano
Project Manager

Town of Van Buren Landfill (CLOSED)

Gas Vent Survey LOG

Logged By:	James Soucy and Amanda Yaworsky
Temperature (F):	75
Instrument Model:	Gas Detector Model: 7291

DATE	GAS MONITORING VENT LOCATION	GAS READING (PPM)	COMMENTS
6/3/2013	GV-1	>640	
6/3/2013	GV-2	>640	
6/3/2013	GV-3	>640	
6/3/2013	GV-4	>640	
6/3/2013	GV-5	>640	
6/3/2013	GV-6	>640	
6/3/2013	GV-7	>640	
6/3/2013	GV-8	>640	
6/3/2013	GV-9	>640	
6/3/2013	GV-10	>640	
6/3/2013	GV-11	>640	Strong Odor
6/3/2013	GV-12	>640	
6/3/2013	GV-13	>640	
6/3/2013	GV-14	>640	
6/3/2013	GV-15	>640	
6/3/2013	GV-16	>640	
6/3/2013	GV-17	>640	
6/3/2013	GV-18	>640	
6/3/2013	GV-19	>640	
6/3/2013	GV-20	>640	
6/3/2013	GV-21	>640	
6/3/2013	GV-22	>640	
6/3/2013	GV-23	>640	
6/3/2013	GV-24	>640	
6/3/2013	GV-25	>640	
6/3/2013	GV-26	>640	
6/3/2013	GV-27	>640	
6/3/2013	GV-28	>640	
6/3/2013	GV-29	>640	
6/3/2013	GV-30	<160 / >80	

DATE	GAS MONITORING VENT LOCATION	GAS READING (PPM)	COMMENTS
6/3/2013	GP-1	ND (<40 ppm)	
6/3/2013	GP-2	ND (<40 ppm)	
6/3/2013	GP-3	ND (<40 ppm)	
6/3/2013	GP-4	ND (<40 ppm)	
6/3/2013	GP-5	ND (<40 ppm)	
6/3/2013	GP-6	ND (<40 ppm)	
6/3/2013	GP-7	ND (<40 ppm)	
6/3/2013	GP-8	ND (<40 ppm)	
6/3/2013	GP-9	ND (<40 ppm)	
6/3/2013	GP-10	ND (<40 ppm)	
6/3/2013	GP-11	ND (<40 ppm)	
6/3/2013	GP-12	ND (<40 ppm)	
6/3/2013	GP-13	ND (<40 ppm)	
6/3/2013	GP-14	ND (<40 ppm)	
6/3/2013	GP-15	ND (<40 ppm)	
6/3/2013	GP-16	ND (<40 ppm)	
6/3/2013	GP-17	ND (<40 ppm)	
6/3/2013	GP-18	ND (<40 ppm)	
6/3/2013	GP-19	ND (<40 ppm)	
6/3/2013	GP-20	ND (<40 ppm)	
6/3/2013	GP-21	ND (<40 ppm)	
6/3/2013	GP-22	ND (<40 ppm)	
6/3/2013	GP-23	ND (<40 ppm)	
6/3/2013	GP-24	ND (<40 ppm)	
6/3/2013	GP-25	ND (<40 ppm)	
6/3/2013	GP-26	ND (<40 ppm)	
6/3/2013	GP-27	ND (<40 ppm)	
6/3/2013	GP-28	ND (<40 ppm)	
6/3/2013	GP-29	ND (<40 ppm)	
6/3/2013	GP-30	ND (<40 ppm)	
6/3/2013	GP-31	ND (<40 ppm)	
6/3/2013	GP-32	ND (<40 ppm)	
6/3/2013	GP-33	ND (<40 ppm)	
6/3/2013	GP-34	ND (<40 ppm)	
6/3/2013	GP-35	ND (<40 ppm)	
6/3/2013	GP-36	ND (<40 ppm)	
6/3/2013	GP-37	ND (<40 ppm)	
6/3/2013	GP-38	ND (<40 ppm)	
6/3/2013	GP-39	ND (<40 ppm)	
6/3/2013	GP-40	ND (<40 ppm)	

Notes:
ND= Not detected

Analytic LLC
Field Calibration/Check Sheet

Instrument Type: Methane Gas Detector
Model Number: 7291
Calibration Type: Auto
Date: 6/3/2013
Time: 8:00 AM

Instrument Analyte	Standard	Instrument Reading
Methane	Ambient Air	< 40 PPM
Methane	1,000 PPM	> 640 PPM

Signature: *Peter Fricano*

Printed: PETER FRICANO

