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“QUALITY SERVICE AT AN HONEST PRICE”

September 15, 2011  
Project No. 14-PSA-001

Mr. Richard Slingerland  
Village Manager  
Village of Mamaroneck  
Village Hall at The Regatta  
123 Mamaroneck Avenue  
Mamaroneck, New York 10543

Re: August 2011 Semi-Annual Monitoring Results  
Taylor's Lane Compost Site, Mamaroneck, New York  
NYSDEC Site Number 360021

Dear Mr. Slingerland:

Enclosed please find the monitoring data that was obtained during the semi-annual groundwater and soil gas sampling event performed on August 2, 2011 at the Taylor's Lane Compost Site. Monitoring was performed according to the Post-Closure Operation and Maintenance Plan for the site, prepared by EMCON/Wehran-New York in February 1998. The following information is enclosed:

- Letter report addressed to Mr. Edward Moore from the NYSDEC summarizing monitoring data that was obtained during the semi-annual event performed on August 2, 2011 at the Taylor's Lane Compost Site. Groundwater sampling results were compared with NYSDEC Part 703, Class GA Standards.
- Analytical laboratory data summary package from York Analytical Laboratories, historical groundwater monitoring tables, field sampling data tables, and gas vent / bar hole monitoring results.

If you should have any questions, please feel free to contact me at (845) 649-9346 or at [ZionEnvironmental@FrontierNet.net](mailto:ZionEnvironmental@FrontierNet.net).

Sincerely,

Zion Environmental, LLC.

Brian Nichols,  
Vice President - CPM



**Zion Environmental, LLC.**

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**“QUALITY SERVICE AT AN HONEST PRICE”**

September 15, 2011  
Project No. 14-PSA-001

Mr. Edward Moore, Project Manager  
NYS Department of Environmental Conservation  
Region 3  
21 South Putt Corners Road  
New Paltz, NY 12561.

Re: August 2011 Semi-Annual Monitoring Results  
Taylor's Lane Compost Site, Mamaroneck, New York  
NYSDEC Site Number 360021

Dear Mr. Moore:

Zion Environmental, LLC (Zion) personnel conducted the Semi-Annual Groundwater Sampling event at the Taylor's Lane Compost Site in Mamaroneck, New York on August 2, 2011. This Semi-Annual Monitoring Report summarizes all activities performed and results obtained in association with the groundwater sampling, gas vent, and soil gas migration monitoring. The monitoring was completed in accordance with the Post Closure Operation and Maintenance Plan for the Taylor Lane Compost Site prepared by EMCON/Wehran-New York, February 1998.

## **FIELD PROGRAM**

### **Groundwater Monitoring**

Six groundwater monitoring wells (MW-1S, MW-1D, MW-2S, MW-2D, MW-3S and MW-3D) were purged and sampled on August 2, 2011. Historically the six flush mount wells were located in Taylor Lane. However, because of periodic artesian conditions in several of the wells, the wellhead areas were often wet and the ponded water around the flush mount wellheads would freeze during the winter months. These wells were abandoned, and relocated off Taylor Lane and adjacent to the Landfill in March 2008.

Due to the high turbidity during the purging of the wells along Taylor Lane, wells MW-1S, MW-1D, MW-2S, MW-2D, MW-3S and MW-3D were re-developed and allowed to recharge prior to the sampling of the wells. The information during the process of re-development and the amount that was purged for each well can be found in the field data sheets provided in Attachment 5.

The collected samples were packed in ice, picked up by a York Laboratory courier and transported to the lab the day of the sampling event. The samples were analyzed for metals (arsenic, cadmium, copper, lead, mercury and zinc), as well as for chlorinated volatile organic compounds (VOCs). In addition to laboratory groundwater analyses, the following field parameters were measured and recorded on-site: pH, temperature, conductivity, ORP, and turbidity. Field parameters pH, temperature, and ORP are measured utilizing an Oakton pH 310 Series waterproof meter. Conductivity was measured utilizing an Oakton con 400 Series waterproof meter. Turbidity was measured utilizing a LaMotte 2020 Turbidity meter.

Summary tables for the metal and VOC analytical results and field data are provided in Attachment 1, Tables 1-3. The laboratory report is included in Attachment 2. Drawing 1 depicts monitoring well locations and the groundwater contour map provided in Attachment 4.

### **Landfill Gas Vent and Bar Hole Monitoring**

Landfill gas vent monitoring was also performed on August 2, 2011. Gas vents GV-1 through GV-8 were monitored for percent combustible gas and total organic vapors. Soil gas monitoring was also conducted at predetermined locations (BH-1 through BH13) along the perimeter of the landfill in order to detect any migrating gases. A MiniRae PID was utilized to monitor VOCs and a Landtec GEM-500 was utilized to monitor percent methane gas ( $\text{CH}_4$ ), carbon dioxide ( $\text{CO}_2$ ) and oxygen ( $\text{O}_2$ ) at gas vents GV-1 through GV-8 and bar holes BH-1 through BH-13. Both the groundwater and soil gas monitoring were performed in accordance with the Post Closure Operation and Maintenance Plan for the Taylor Lane Compost Site prepared by EMCON/Wehran-New York, Inc. in February 1998. This data is summarized in Attachment 3, Table 4.

## **RESULTS**

### **Groundwater Monitoring Results**

A review of the August 2011 groundwater analytical data indicated that inorganic constituent lead was detected at concentrations above the New York State Department of Conservation (NYSDEC) Part 703 Groundwater Standard. The analytical results found lead at concentrations above the NYSDEC standard in wells MW-1S at 1,550ug/l and MW-2S at 56.3ug/l. All other inorganic constituents were non-detect or below NYSDEC Part 703 Groundwater Standards. Summary tables for the inorganic analytical results are provided in Attachment 1, Table 1.

Methylene chloride was detected in all six wells including the trip blank. All six wells and the trip blank were reported with J flag (Detected below the Reporting Limit but greater than or equal to the Method Detection Limit; therefore, the result is an estimated concentration.) and

B flag (Analyte is found in the associated analysis batch blank.). It is therefore interpreted that the methylene chloride is not present in the monitoring wells, but instead a laboratory artifact.

Methyl tert-butyl ether (MTBE) was detected in the groundwater samples collected from MW-2S, MW-2D and MW-3S. MTBE was only detected at a concentration greater than the NYSDEC Part 703 groundwater guidance values of 10ug/l at well MW-2S at a concentration of 16ug/l.

Tert-butyl alcohol was detected at a concentration greater than the NYSDEC Part 703 groundwater guidance values of 20ug/l at well MW-2S at a concentration of 37ug/l.

Tert-butyl benzene was detected in the groundwater samples collected from MW-1S at 0.89 ug/l and was reported with J flag (Detected below the Reporting Limit but greater than or equal to the Method Detection Limit; therefore, the result is an estimated concentration.).

MTBE, tert-butyl benzene and tert-butyl alcohol are components of petroleum products and their detection may be attributable to the upgradient gas station at the corner of Boston Post Road and Taylor Lane.

Vinyl chloride was detected in the groundwater samples collected from MW-2S at 2.5ug/l and was reported with J flag (Detected below the Reporting Limit but greater than or equal to the Method Detection Limit; therefore, the result is an estimated concentration.). Vinyl chloride was detected at a concentration greater than the NYSDEC Part 703 groundwater guidance values of 2ug/l.

Chloroform was detected in the groundwater samples collected from wells MW-1S at 0.66ug/l and MW-3D at 0.50ug/l and both were reported with J flag (Detected below the Reporting Limit but greater than or equal to the Method Detection Limit; therefore, the result is an estimated concentration.). These chloroform detections are also possible laboratory artifacts.

Summary tables for the VOC analytical results are provided in Attachment 1, Table 2. Summary tables for the field data are provided in Attachment 1, Table 3. The laboratory report is included in Attachment 2.

### **Gas Vent and Bar Hole Monitoring Results**

As shown in the photoionization detection (PID) readings, volatile organic vapors were not detected (non-detect) in any of the gas vents or perimeter bar hole monitoring location PID readings during the August 2011 sampling event. Methane was detected at GV-4 at concentrations of 10.4% methane gas, GV-5 at concentrations of 24.6% methane gas and at GV-8 at concentrations of 0.6% methane gas.

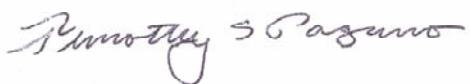
Gas vent and bar hole locations are depicted on Drawing 1. Results for the August 2011 gas vent and bar hole monitoring are provided in Attachment 3, Table 4.

If you should have any questions regarding the above information, please do not hesitate to contact Mr. Nichols at 845-649-9346.

Sincerely,



Brian Nichols,  
Vice President - CPM



Timothy S. Pagano, PG, CPG  
Senior Hydrogeologist

Attachment 1 – Tables 1-3, Summary Tables for Analytical Parameters and Field Data

Attachment 2 – Laboratory Results

Attachment 3 – Table 4, Gas Vent and Bar Hole Monitoring Data

Attachment 4 – Field Data Sheets

Attachment 5 – Drawing No. 1

cc: Mr. Richard Slingerland, Village Manager, Village of Mamaroneck

cc: Mr. Hugh J. Greechan, P.E., Village of Mamaroneck Engineer

## **Attachment 1**

### **Tables 1-3**

**Table – 1**

**Summary of Inorganic Parameters**

## ATTACHMENT 1

**Table 1**  
**Summary of Inorganic Parameters**  
**Taylors Lance Compost Site**  
**Village of Mamaroneck**

Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
<b>Arsenic</b> ( $\mu\text{g/L}$ )	5/22/1997	3.7 J	4.9 J	4.4 J	7.9 J	7.1 J	7.2 J
	11/14/1997	17.2	5.2 J	5.9 J	4.6 J	14.4	9.1 J
	5/19/1998	8.3 J	9.1 J	7.6 J	7.6 J	15.2	13.1
	GW Standard	24.5	<b>34.2</b>	21.4	13.4	2.2 U	2.2 U
	25.0 $\mu\text{g/L}$	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U
	11/18/1999	2.9 U	2.9 U	2.9 U	2.9 U	7.8	2.9 U
	6/28/2000	2.9 U	2.9 U	2.9 U	2.9 U	3.6 J	2.9 U
	11/15/2000	11.2	10 U	10 U	10 U	10 U	10 U
	6/20/2001	3.5 U	3.5 U	3.5 U	3.5 U	6.87	3.5 U
	11/29/2001	10 U	10 U	10 U	10 U	10 U	10 U
	6/26/2002	10 U	10 U	10 U	10 U	10 U	10 U
	11/19/2002	10 U	10 U	10 U	10 U	10 U	10 U
	6/24/2003	10 U	10 U	10 U	10 U	10 U	10 U
	11/17/2003	10 U	10 U	10 U	10 U	10 U	10 U
	6/21/2004	10 U	10 U	10 U	10 U	10 U	10 U
	11/22/2004	10 U	10 U	10 U	10 U	10 U	10 U
	6/22/2005	10 U	10 U	10 U	10 U	10 U	10 U
	11/22/2005	10 U	10 U	10 U	10 U	10 U	10 U
	7/5/2006	10 U	10 U	10 U	10 U	10 U	10 U
	11/27/2006	10 U	10 U	10 U	10 U	22.6	10 U
	6/27/2007	10 U	10 U	10 U	10 U	10 U	21.9
	1/9/2008	10 U	10 U	10 U	10 U	10 U	10 U
	7/23/2008	19.9	10 U	10 U	10 U	11.6	10 U
	2/20/2009	12	10 U	10 U	10 U	10 U	10 U
	8/27/2009	10 U	10 U	10 U	10 U	10 U	10 U
	2/25/2010	16	10 U	10 U	10 U	11	10 U
	8/26/2010	10 U	10 U	10 U	10 U	10 U	10 U
	2/23/2011	10 U	10 U	10 U	10 U	10 U	10 U
	8/2/2011	19.8	10 U	10 U	10 U	10 U	10 U

U - Analyte was analyzed for, but not detected

B - The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL).

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**Table 1**  
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**Taylors Lance Compost Site**  
**Village of Mamaroneck**

Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
<b>Cadmium</b> ( $\mu\text{g/L}$ )	5/22/1997	0.3 U	0.3 U				
	11/14/1997	3.3 J	0.6 U	1.2 J	0.85 J	2.8 J	1.9 J
	5/19/1998	0.81 J	0.2 J	0.67 J	0.36 J	1.3 J	2.6 J
	11/5/1998	1.1 J	0.75 U	0.87 J	1.2 J	4.2 J	0.75 U
	5/25/1999	1.4 J	0.57 U	0.57 U	0.57 U	0.57 U	4.9 J
	11/18/1999	2.8	0.34 U	2.1	0.34 U	4.8	1.6
	6/28/2000	1.1 J	0.22 U	1.4 J	0.22 U	1.1 J	0.22 U
	11/15/2000	5 U	5 U	5 U	5 U	5 U	5.1
	6/20/2001	3.21	2.33	4	0.85 U	4.54	0.85 U
	11/29/2001	5 U	5 U	5 U	5 U	5 U	5 U
	6/26/2002	5 U	5 U	5 U	5 U	5 U	5 U
	11/19/2002	5 U	5 U	5 U	5 U	5 U	5 U
	6/24/2003	5 U	5 U	5 U	5 U	5 U	5 U
	11/17/2003	5 U	5 U	5 U	5 U	5 U	5 U
	6/21/2004	5 U	5 U	5 U	5 U	5 U	5 U
	11/22/2004	5 U	5 U	5 U	5 U	5 U	5 U
	6/22/2005	5 U	5 U	5 U	5 U	5 U	5 U
	11/22/2005	5 U	5 U	5 U	5 U	5 U	5 U
	7/5/2006	5 U	5 U	5 U	5 U	5 U	5 U
	11/27/2006	5 U	5 U	5 U	5 U	<b>10.4</b>	5 U
	6/27/2007	5 U	5 U	5 U	5 U	5 U	5 U
	1/9/2008	5 U	5 U	5 U	5 U	5 U	5 U
	7/23/2008	5 U	5 U	5 U	5 U	5 U	5 U
	2/20/2009	5 U	5 U	5 U	5 U	5 U	5 U
	8/27/2009	5 U	5 U	5 U	5 U	5 U	5 U
	2/25/2010	5 U	5 U	5 U	5 U	5 U	5 U
	8/26/2010	5 U	5 U	5 U	5 U	5 U	5 U
	2/23/2011	3 U	3 U	3 U	3 U	3 U	3 U
	8/2/2011	4.9	3 U	3 U	3 U	3 U	3 U

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**Village of Mamaroneck**

Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
<b>Copper</b> (µg/L)	5/22/1997	5.7 J	3.6 J	19.9 J	1.7 U	18.8 J	14.5 J
	11/14/1997	46.5	13.1 J	34.2	7.7 J	74.3	35.3
	5/19/1998	9.3 J	3.7 J	5.7 J	4.5 J	26.8	12.3 J
	11/5/1998	8.3 J	16.6 J	13.9 J	77.4	15.5 J	85.8
	5/25/1999	6.8 J	21.4 J	7.2 J	18.5 J	9.4 J	17.5 J
	11/18/1999	21.8	23.1	103	7.6	<b>478</b>	22.1
	6/28/2000	3.7 U	15 J	36	3.7 U	<b>255</b>	3.7 U
	11/15/2000	87	38.4	20 U	20 U	43.2	20 U
	6/20/2001	10.3	17.7	145	17.1	<b>520</b>	16
	11/29/2001	20 U	20 U	25.9	20 U	<b>204</b>	20 U
	6/26/2002	20 U	23	20 U	20 U	20 U	20 U
	11/19/2002	20 U	40	47	20 U	20 U	20 U
	6/24/2003	20 U	20 U	20 U	20 U	20 U	20 U
	11/17/2003	20 U	20 U	20 U	20 U	20 U	20 U
	6/21/2004	20 U	20 U	20 U	20 U	27.4	20 U
	11/22/2004	20 U	20 U	20 U	20 U	56	20 U
	6/22/2005	20 U	20 U	20 U	20 U	20 U	20 U
	11/22/2005	20 U	31.2	20 U	20 U	20 U	20 U
	7/5/2006	20 U	20 U	20 U	20 U	26	20 U
	11/27/2006	21.6	64.1	28.5	20 U	38.7	20 U
	6/27/2007	20 U	20 U	20 U	20 U	20 U	106
	1/9/2008	51.8	37.5	20 U	20 U	74.5	20 U
	7/23/2008	20 U	20 U	20 U	20 U	20 U	20 U
	2/20/2009	20 U	20 U	20 U	20 U	20 U	20 U
	8/27/2009	20 U	20 U	20 U	20 U	20 U	20 U
	2/25/2010	20 U	20 U	20 U	20 U	20 U	20 U
	8/26/2010	20 U	20 U	20 U	20 U	20 U	20 U
	2/23/2011	11.3	11.9	18.2	25.2	65.8	6.8
	8/2/2011	188	7.98	8.96	5.64	13.3	15.2

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**Taylors Lance Compost Site**  
**Village of Mamaroneck**

Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
<b>Lead</b> ( $\mu\text{g/L}$ )	5/22/1997	1.1 U	1.1 U	4.4	1.1 U	12.7	21.2
	11/14/1997	2.4 J	0.7 U	2.9 J	0.7 U	<b>36.1</b>	18.2
	5/19/1998	1.4 J	0.7 U	0.81 J	0.7 U	14.6	16.6
	11/5/1998	1.8 U	1.8 U	1.8 U	1.8 U	6.1	23.5
	5/25/1999	1.8 U	1.8 U	1.8 U	1.8 U	13	12.7
	11/18/1999	0.99 U	0.99 U	21	0.99 U	<b>68</b>	3.6
	6/28/2000	2.3 U	<b>44.4</b>	7.2	2.3 U	<b>98.5</b>	17.5
	11/15/2000	5 U	<b>91.8</b>	8.05	5 U	22.5	19.6
	6/20/2001	1.69	<b>37.9</b>	<b>45.2</b>	5.13	<b>62.3</b>	7.28
	11/29/2001	5 U	5 U	5 U	5 U	21.5	5 U
	6/26/2002	5 U	5 U	5.88	5 U	5 U	5 U
	11/19/2002	5 U	5.64	13.2	5 U	5.07	5 U
	6/24/2003	5 U	5 U	5 U	5 U	6.81	5 U
	11/17/2003	5 U	5 U	5 U	5 U	21.5	5 U
	6/21/2004	5 U	5 U	5 U	5 U	17.8	5 U
	11/22/2004	5 U	5 U	5 U	5 U	10.1	12.4
	6/22/2005	5 U	5 U	5 U	5 U	5 U	5 U
	11/22/2005	5 U	10.7	5 U	5 U	11.3	5.58
	7/5/2006	5 U	5 U	5 U	5 U	6	5 U
	11/27/2006	5 U	13.2	11.7	5 U	<b>54.2</b>	7.3
	6/27/2007	5 U	13.2	11.7	5 U	<b>54.2</b>	7.3
	1/9/2008	5 U	5 U	5 U	5 U	5 U	<b>72.5</b>
	7/23/2008	6.7	11	6.7	5 U	5.9	11.5
	2/20/2009	26.5	6.5	10.5	10.4	16.1	5 U
	2/20/2009	5.7	5 U	5 U	5 U	5 U	5 U
	8/27/2009	5 U	5 U	5 U	5 U	5 U	5 U
	2/25/2010	5.3	5 U	5 U	5 U	5 U	5 U
	8/26/2010	5 U	5 U	5 U	5 U	5 U	5 U
	2/23/2011	<b>528</b>	<b>72.7</b>	<b>217</b>	6.9	<b>117</b>	3 U
	8/2/2011	<b>1,550</b>	13.2	<b>56.3</b>	4.86	16.5	6.16

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**Summary of Inorganic Parameters**  
**Taylors Lance Compost Site**  
**Village of Mamaroneck**

Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
<b>Mercury</b> ( $\mu\text{g/L}$ )	5/22/1997	0.2 U					
	11/14/1997	0.1 U					
	5/19/1998	0.1 U					
	11/5/1998	0.1 U					
	5/25/1999	0.05 U					
	11/18/1999	0.04 U	0.04 U	0.09	0.04 U	0.27	0.04 U
	6/28/2000	0.05 J	0.01 U	0.02 J	0.01 U	0.34	0.04 J
	11/15/2000	0.03 U					
	6/20/2001	0.03 U	0.03 U	0.03 U	0.03 U	0.28	0.03 U
	11/29/2001	0.3 U					
	6/26/2002	0.3 U					
	11/19/2002	0.3 U					
	6/24/2003	0.3 U					
	11/17/2003	0.3 U					
	6/21/2004	0.3 U					
	11/22/2004	0.3 U					
	6/22/2005	0.3 U					
	11/22/2005	0.3 U					
	7/5/2006	0.3 U					
	11/27/2006	0.3 U					
	6/27/2007	0.3 U					
	1/9/2008	0.3 U					
	7/23/2008	0.3 U					
	2/20/2009	0.3 U					
	8/27/2009	0.3 U					
	2/25/2010	0.3 U					
	8/26/2010	0.3 U					
	2/23/2011	0.2 U					
	8/2/2011	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U

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**Table 1**  
**Summary of Inorganic Parameters**  
**Taylors Lance Compost Site**  
**Village of Mamaroneck**

Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
<b>Zinc</b> ( $\mu\text{g/L}$ )	5/22/1997	20	17.2 J	31.3	12.6 J	83.7	931
	11/14/1997	74.2	37	75	10.6 J	102	514
	5/19/1998	130	12.7 J	23.7	10.6	48.7	806
	11/5/1998	13.9 J	27.9	23.3	51.4	29.9	659
	5/25/1999	15 J	36.7	16.2 J	8.8	21.8	558
	11/18/1999	26.8	38	95.6	20.4	102	101
	6/28/2000	7.9 J	104	202	21.3	432	941
	11/15/2000	20 U	1650	52.8	26.8	122	<b>2040</b>
	6/20/2001	25	630	274	72.6	314	246
	11/29/2001	20 U	29.5	23.1	20 U	56.5	56.4
	6/26/2002	20 U	28.2	76.8	20 U	20 U	20 U
	11/19/2002	20 U	69.6	65.2	20 U	20 U	20 U
	6/24/2003	20 U	20 U	20 U	42.9	20 U	20 U
	11/17/2003	20 U	20 U	20 U	55.5	38.6	20 U
	6/21/2004	21	20 U	20 U	55.5	45.7	20 U
	11/22/2004	20 U	20 U	20 U	20 U	113	20 U
	6/22/2005	20 U	20 U	20 U	20 U	113	20 U
	11/22/2005	20.5	144	32.9	20 U	33.3	58.6
	7/5/2006	25	51	20 U	20 U	20 U	20 U
	11/27/2006	23.3	352	84.7	20 U	64.4	65.5
	6/27/2007	20 U	20 U	20 U	20 U	20 U	1150
	1/9/2008	138	343	31.7	20 U	45.6	148
	7/23/2008	38.9	20 U	29.7	20 U	69.5	61.4
	2/20/2009	20 U	20 U	20 U	20 U	45	44
	8/27/2009	20 U	20 U	20 U	20 U	28	38
	2/25/2010	20 U	20 U	20 U	20 U	62	42
	8/26/2010	20 U	20 U	20 U	20 U	30	37
	2/23/2011	949	88.9	231	58.2	140	53
	8/2/2011	1,690	25.9	75.6	30.7	47.7	47.0

U - Analyte was analyzed for, but not detected

B - The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL).

**Table – 2**

**Summary of Volatile Organic Compounds**

**ATTACHMENT 1**

**Table 2**  
**Summary of Volatile Organic Compounds**  
**Taylor Lane Compost Site**  
**Village of Mamaroneck**

Sampling Date	Analytical Parameters ( $\mu\text{g/L}$ )						
	Vinyl Chloride	1, 2-DCE	MTBE	Tert-Butyl-Alcohol	1,1,1-TCA	Tert-butyl benzene	Chlorobenzene
<b>Standard</b>	2.0	5.0	10.0	20.0	5.0	5.0	5.0
<b>MW-1S</b>							
8/26/2010	0.5 U	0.5 U	2.0	20 U	0.5 U	1.5	-
2/23/2011	5.0 U	5.0 U	0.81 J	N/A	5.0 U	N/A	5.0 U
8/2/2011	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	0.89 J	5.0 U
<b>MW-1D</b>							
8/26/2010	0.5 U	0.5 U	0.5 U	20 U	0.5 U	0.5 U	-
2/23/2011	5.0 U	5.0 U	5.0 U	N/A	5.0 U	N/A	5.0 U
8/2/2011	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	5.0 U	5.0 U
<b>MW-2S</b>							
5/22/1997	<b>4.0 J</b>	2.0 J	-	-	-	-	-
11/14/1997	<b>21</b>	3.0 J	-	-	-	-	-
5/19/1998	<b>17</b>	3.0 J	-	-	-	-	-
11/5/1998	<b>14</b>	3.0 J	-	-	-	-	-
5/25/1999	<b>13</b>	2.0 J	-	-	-	-	-
11/18/1999	<b>6.0 J</b>	10 U	-	-	-	-	-
6/28/2000	<b>7.8</b>	1.6	-	-	-	-	-
11/15/2000	5.0 U	5.0 U	-	-	-	-	-
6/20/2001	<b>7.6</b>	1.2	<b>190</b>	-	-	-	-
11/29/2001	2.5 U	0.5 U	<b>82</b>	<b>270</b>	-	-	-
6/26/2002	1.6	1.0 U	<b>50</b>	<b>130</b>	-	-	-
11/19/2002	5.0 U	5.0 U	<b>56</b>	<b>210</b>	-	-	-
6/24/2003	<b>3.3</b>	0.5 U	<b>270</b>	20 U	-	-	-
11/17/2003	1.2	0.5 U	<b>250</b>	<b>120</b>	-	-	-
6/21/2004	0.96	0.5 U	<b>380</b>	<b>90</b>	-	-	-
11/22/2004	0.64	0.5 U	<b>380</b>	<b>200</b>	-	-	-
6/22/2005	<b>7.7</b>	1.1	<b>16</b>	<b>23</b>	-	-	-
11/22/2005	<b>4.1</b>	0.5 U	<b>61</b>	<b>90</b>	-	-	-
7/5/2006	<b>6.4</b>	0.6	<b>63</b>	<b>110</b>	-	-	-
11/27/2006	<b>4.0</b>	0.5 U	<b>70 E</b>	<b>110</b>	-	-	-
6/27/2007	<b>2.5</b>	0.5 U	<b>93 E</b>	<b>250</b>	-	-	-
1/9/2008	<b>2.2</b>	0.5 U	<b>74 E</b>	<b>350</b>	-	-	-
7/23/2008	<b>2.8</b>	0.5 U	<b>12</b>	<b>37</b>	-	-	-
2/20/2009	1.3	0.5 U	<b>16</b>	<b>43</b>	-	-	-
8/27/2009	0.5 U	0.5 U	<b>15</b>	<b>50</b>	-	-	-
2/25/2010	0.5 U	0.5 U	<b>24</b>	<b>65</b>	0.6	-	-
8/26/2010	0.5 U	0.5 U	<b>23</b>	<b>200</b>	0.5 U	0.5 U	-
2/23/2011	5.0 U	5.0 U	<b>22</b>	N/A	5.0 U	N/A	5.0 U
8/2/2011	<b>2.5 J</b>	5.0 U	<b>16</b>	<b>37.0</b>	5.0 U	5.0 U	5.0 U

**ATTACHMENT 1**

**Table 2**  
**Summary of Volatile Organic Compounds**  
**Taylor Lane Compost Site**  
**Village of Mamaroneck**

Sampling Date	Analytical Parameters (µg/L)						
	Vinyl Chloride	1, 2-DCE	MTBE	Tert-Butyl-Alcohol	1,1,1-TCA	Tert-butyl benzene	Chlorobenzene
<b>Standard</b>	2.0	5.0	10.0	20.0	5.0	5.0	5.0
<b>MW-2D</b>							
8/26/2010	0.5 U	0.5 U	0.5 U	20 U	0.5 U	0.5 U	-
2/23/2011	5.0 U	5.0 U	5.0 U	N/A	5.0 U	N/A	5.0 U
8/2/2011	5.0 U	5.0 U	0.47 J	8.0 U	5.0 U	5.0 U	5.0 U

<b>MW-3S</b>							
8/26/2010	0.5 U	0.5 U	0.5 U	20 U	0.5 U	0.5 U	-
2/23/2011	5.0 U	5.0 U	5.0 U	N/A	5.0 U	N/A	5.0 U
8/2/2011	5.0 U	5.0 U	1.7 J	8.0 U	5.0 U	5.0 U	5.0 U
<b>MW-3D</b>							
8/26/2010	0.5 U	0.5 U	0.5 U	20 U	0.5 U	0.5 U	-
2/23/2011	5.0 U	5.0 U	5.0 U	N/A	5.0 U	N/A	1.6 J
8/2/2011	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	5.0 U	5.0 U

U - Compound not detected.

J - Estimated value, less than detection limit.

E - Concentrations exceed the calibration range.

µg/L - micrograms per liter.

1,2-DCE - 1,2-dichloroethene.

MTBE - methyl tert-butyl ether.

1,1,1-TCA - 1,1,1-trichloroethane.

N/A - Results not available during this analysis.

**Table - 3**

**Summary of Field Parameters**

## **ATTACHMENT 1**

**Table 3**  
**Summary of Field Parameters**  
**Village of Mamaroneck**  
**Taylor Lane Compost Site**

## Notes:

( $\mu$ S): Units of Conductivity (micro Siemens)

## **ATTACHMENT 1**

**Table 3**  
**Summary of Field Parameters**  
**Village of Mamaroneck**  
**Taylor Lane Compost Site**

## **Notes:**

( $\mu$ S): Units of Conductivity (micro Siemens)

## **ATTACHMENT 1**

**Table 3**  
**Summary of Field Parameters**  
**Village of Mamaroneck**  
**Taylor Lane Compost Site**

## Notes:

( $\mu$ S): Units of Conductivity (micro Siemens)

## **ATTACHMENT 1**

**Table 3**  
**Summary of Field Parameters**  
**Village of Mamaroneck**  
**Taylor Lane Compost Site**

### Notes:

( $\mu$ S): Units of Conductivity (micro Siemens)

## **ATTACHMENT 1**

**Table 3**  
**Summary of Field Parameters**  
**Village of Mamaroneck**  
**Taylor Lane Compost Site**

#### **Notes:**

( $\mu$ S): Units of Conductivity (micro Siemens)

## **ATTACHMENT 1**

**Table 3**  
**Summary of Field Parameters**  
**Village of Mamaroneck**  
**Taylor Lane Compost Site**

## Notes:

( $\mu$ S): Units of Conductivity (micro Siemens)

## **Attachment 2**

### **Laboratory Results**

# Technical Report

prepared for:

**Zion Environmental, LLC**  
172 Excelsior Avenue  
Middletown NY, 10940  
**Attention: Brian Nichols**

Report Date: 08/11/2011

**Client Project ID: Village of Mamaroneck**  
York Project (SDG) No.: 11H0142

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA License No. 68-04440

Report Date: 08/11/2011  
Client Project ID: Village of Mamaroneck  
York Project (SDG) No.: 11H0142

**Zion Environmental, LLC**  
172 Excelsior Avenue  
Middletown NY, 10940  
Attention: Brian Nichols

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 02, 2011 and listed below. The project was identified as your project: **Village of Mamaroneck**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

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

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

<b><u>York Sample ID</u></b>	<b><u>Client Sample ID</u></b>	<b><u>Matrix</u></b>	<b><u>Date Collected</u></b>	<b><u>Date Received</u></b>
11H0142-01	MW-1D @ 1232	Water	08/02/2011	08/02/2011
11H0142-02	MW-1S @ 1310	Water	08/02/2011	08/02/2011
11H0142-03	MW-2D @ 1118	Water	08/02/2011	08/02/2011
11H0142-04	MW-2S @ 1145	Water	08/02/2011	08/02/2011
11H0142-05	MW-3D @ 1010	Water	08/02/2011	08/02/2011
11H0142-06	MW-3S @ 1021	Water	08/02/2011	08/02/2011
11H0142-07	Trip Blank	Water	08/02/2011	08/02/2011

## **General Notes for York Project (SDG No.: 11H0142**

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

**Approved By:**



**Date:** 08/11/2011

Robert Q. Bradley  
Executive Vice President / Laboratory Director



**Sample Information****Client Sample ID:** MW-1D @ 1232**York Sample ID:****11H0142-01**York Project (SDG) No.

11H0142

Client Project ID

Village of Mamaroneck

Matrix

Water

Collection Date/Time

August 2, 2011 12:32 pm

Date Received

08/02/2011

**Volatile Organics, 8260 List****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS

**Sample Information****Client Sample ID:** MW-1D @ 1232**York Sample ID:****11H0142-01**

York Project (SDG) No.  
11H0142

Client Project ID  
Village of Mamaroneck

Matrix  
Water

Collection Date/Time  
August 2, 2011 12:32 pm

Date Received  
08/02/2011

**Volatile Organics, 8260 List****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
75-09-2	<b>Methylene chloride</b>	<b>1.2</b>	J, B	ug/L	1.1	10	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS

**Volatile Organics, tert-Butyl Alcohol****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	6.1	8.0	1	EPA SW846-8260B	08/10/2011 14:07	08/10/2011 14:07	SS

**Arsenic by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.00130	0.0100	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:40	MW

**Cadmium by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00100	0.00300	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:40	MW

**Copper by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	<b>0.00798</b>		mg/L	0.00160	0.00500	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:40	MW

**Lead by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	<b>0.0132</b>		mg/L	0.00120	0.00300	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:40	MW

**Sample Information****Client Sample ID:** MW-1D @ 1232**York Sample ID:** 11H0142-01York Project (SDG) No.  
11H0142Client Project ID  
Village of MamaroneckMatrix  
WaterCollection Date/Time  
August 2, 2011 12:32 pmDate Received  
08/02/2011**Zinc by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	0.0259		mg/L	0.000900	0.0200	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:40	MW

**Mercury by 7470/7471****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	08/04/2011 11:54	08/04/2011 11:54	AA

**Sample Information****Client Sample ID:** MW-1S @ 1310**York Sample ID:** 11H0142-02York Project (SDG) No.  
11H0142Client Project ID  
Village of MamaroneckMatrix  
WaterCollection Date/Time  
August 2, 2011 1:10 pmDate Received  
08/02/2011**Volatile Organics, 8260 List****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS

**Sample Information****Client Sample ID:** MW-1S @ 1310**York Sample ID:****11H0142-02**York Project (SDG) No.  
11H0142Client Project ID  
Village of MamaroneckMatrix  
WaterCollection Date/Time  
August 2, 2011 1:10 pmDate Received  
08/02/2011**Volatile Organics, 8260 List****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
74-97-5	Bromoform	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
67-66-3	<b>Chloroform</b>	<b>0.66</b>	J	ug/L	0.36	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
75-09-2	<b>Methylene chloride</b>	<b>1.1</b>	J, B	ug/L	1.1	10	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
98-06-6	<b>tert-Butylbenzene</b>	<b>0.89</b>	J	ug/L	0.46	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS

**Volatile Organics, tert-Butyl Alcohol****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	6.1	8.0	1	EPA SW846-8260B	08/10/2011 14:49	08/10/2011 14:49	SS

**Sample Information****Client Sample ID:** MW-1S @ 1310**York Sample ID:****11H0142-02**

York Project (SDG) No.  
11H0142

Client Project ID  
Village of Mamaroneck

Matrix  
Water

Collection Date/Time  
August 2, 2011 1:10 pm

Date Received  
08/02/2011

**Arsenic by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	0.0198		mg/L	0.00130	0.0100	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:45	MW

**Cadmium by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	0.00490		mg/L	0.00100	0.00300	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:45	MW

**Copper by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	0.188		mg/L	0.00160	0.00500	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:45	MW

**Lead by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	1.55		mg/L	0.00120	0.00300	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:45	MW

**Zinc by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	1.69		mg/L	0.000900	0.0200	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:45	MW

**Mercury by 7470/7471****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	08/04/2011 11:54	08/04/2011 11:54	AA

**Sample Information****Client Sample ID:** MW-2D @ 1118**York Sample ID:****11H0142-03**

York Project (SDG) No.  
11H0142

Client Project ID  
Village of Mamaroneck

Matrix  
Water

Collection Date/Time  
August 2, 2011 11:18 am

Date Received  
08/02/2011

**Volatile Organics, 8260 List****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS

**Sample Information****Client Sample ID:** MW-2D @ 1118**York Sample ID:****11H0142-03**York Project (SDG) No.  
11H0142Client Project ID  
Village of MamaroneckMatrix  
WaterCollection Date/Time  
August 2, 2011 11:18 amDate Received  
08/02/2011**Volatile Organics, 8260 List****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
96-18-4	1,2,3-Trichloroproppane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS

**Sample Information****Client Sample ID:** MW-2D @ 1118**York Sample ID:****11H0142-03**

York Project (SDG) No.  
11H0142

Client Project ID  
Village of Mamaroneck

Matrix  
Water

Collection Date/Time  
August 2, 2011 11:18 am

Date Received  
08/02/2011

**Volatile Organics, 8260 List****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
1634-04-4	<b>Methyl tert-butyl ether (MTBE)</b>	<b>0.47</b>	J	ug/L	0.38	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
75-09-2	<b>Methylene chloride</b>	<b>1.4</b>	J, B	ug/L	1.1	10	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS

**Volatile Organics, tert-Butyl Alcohol****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	6.1	8.0	1	EPA SW846-8260B	08/10/2011 15:38	08/10/2011 15:38	SS

**Arsenic by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.00130	0.0100	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:49	MW

**Cadmium by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00100	0.00300	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:49	MW

**Copper by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	<b>0.00564</b>		mg/L	0.00160	0.00500	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:49	MW

**Lead by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	<b>0.00486</b>		mg/L	0.00120	0.00300	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:49	MW

**Zinc by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

**Sample Information****Client Sample ID:** MW-2D @ 1118**York Sample ID:** 11H0142-03York Project (SDG) No.  
11H0142Client Project ID  
Village of MamaroneckMatrix  
WaterCollection Date/Time  
August 2, 2011 11:18 amDate Received  
08/02/2011**Zinc by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	0.0307		mg/L	0.000900	0.0200	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:49	MW

**Mercury by 7470/7471****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0003000		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	08/04/2011 11:54	08/04/2011 11:54	AA

**Sample Information****Client Sample ID:** MW-2S @ 1145**York Sample ID:** 11H0142-04York Project (SDG) No.  
11H0142Client Project ID  
Village of MamaroneckMatrix  
WaterCollection Date/Time  
August 2, 2011 11:45 amDate Received  
08/02/2011**Volatile Organics, 8260 List****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS

**Sample Information****Client Sample ID:** MW-2S @ 1145**York Sample ID:****11H0142-04**York Project (SDG) No.  
11H0142Client Project ID  
Village of MamaroneckMatrix  
WaterCollection Date/Time  
August 2, 2011 11:45 amDate Received  
08/02/2011**Volatile Organics, 8260 List****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
1634-04-4	<b>Methyl tert-butyl ether (MTBE)</b>	<b>16</b>		ug/L	0.38	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
75-09-2	<b>Methylene chloride</b>	<b>1.1</b>	J, B	ug/L	1.1	10	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS
75-01-4	<b>Vinyl Chloride</b>	<b>2.5</b>	J	ug/L	0.97	5.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS

**Volatile Organics, tert-Butyl Alcohol****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	<b>tert-Butyl alcohol (TBA)</b>	<b>37</b>		ug/L	6.1	8.0	1	EPA SW846-8260B	08/10/2011 16:21	08/10/2011 16:21	SS

## Sample Information

Client Sample ID: MW-2S @ 1145

York Sample ID: 11H0142-04

York Project (SDG) No.  
11H0142

Client Project ID  
Village of Mamaroneck

Matrix  
Water

Collection Date/Time  
August 2, 2011 11:45 am

Date Received  
08/02/2011

### Arsenic by EPA 6010

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.00130	0.0100	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:54	MW

### Cadmium by EPA 6010

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00100	0.00300	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:54	MW

### Copper by EPA 6010

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	0.00896		mg/L	0.00160	0.00500	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:54	MW

### Lead by EPA 6010

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	0.0563		mg/L	0.00120	0.00300	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:54	MW

### Zinc by EPA 6010

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	0.0756		mg/L	0.000900	0.0200	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:54	MW

### Mercury by 7470/7471

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	08/04/2011 11:54	08/04/2011 11:54	AA

## Sample Information

Client Sample ID: MW-3D @ 1010

York Sample ID: 11H0142-05

York Project (SDG) No.  
11H0142

Client Project ID  
Village of Mamaroneck

Matrix  
Water

Collection Date/Time  
August 2, 2011 10:10 am

Date Received  
08/02/2011

### Volatile Organics, 8260 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS

**Sample Information****Client Sample ID:** MW-3D @ 1010**York Sample ID:****11H0142-05**York Project (SDG) No.  
11H0142Client Project ID  
Village of MamaroneckMatrix  
WaterCollection Date/Time  
August 2, 2011 10:10 amDate Received  
08/02/2011**Volatile Organics, 8260 List****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
67-66-3	<b>Chloroform</b>	<b>0.50</b>	J	ug/L	0.36	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS

**Sample Information****Client Sample ID:** MW-3D @ 1010**York Sample ID:****11H0142-05**York Project (SDG) No.  
11H0142Client Project ID  
Village of MamaroneckMatrix  
WaterCollection Date/Time  
August 2, 2011 10:10 amDate Received  
08/02/2011**Volatile Organics, 8260 List****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
75-09-2	<b>Methylene chloride</b>	<b>1.1</b>	J, B	ug/L	1.1	10	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS

**Volatile Organics, tert-Butyl Alcohol****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	6.1	8.0	1	EPA SW846-8260B	08/10/2011 17:04	08/10/2011 17:04	SS

**Arsenic by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.00130	0.0100	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:58	MW

**Cadmium by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00100	0.00300	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:58	MW

**Copper by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	<b>0.0152</b>		mg/L	0.00160	0.00500	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:58	MW

**Lead by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	<b>0.00616</b>		mg/L	0.00120	0.00300	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:58	MW

**Zinc by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

**Sample Information****Client Sample ID:** MW-3D @ 1010**York Sample ID:** 11H0142-05York Project (SDG) No.  
11H0142Client Project ID  
Village of MamaroneckMatrix  
WaterCollection Date/Time  
August 2, 2011 10:10 amDate Received  
08/02/2011**Zinc by EPA 6010****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	0.0470		mg/L	0.000900	0.0200	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 11:58	MW

**Mercury by 7470/7471****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	08/04/2011 11:54	08/04/2011 11:54	AA

**Sample Information****Client Sample ID:** MW-3S @ 1021**York Sample ID:** 11H0142-06York Project (SDG) No.  
11H0142Client Project ID  
Village of MamaroneckMatrix  
WaterCollection Date/Time  
August 2, 2011 10:21 amDate Received  
08/02/2011**Volatile Organics, 8260 List****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS

**Sample Information****Client Sample ID:** MW-3S @ 1021**York Sample ID:****11H0142-06**York Project (SDG) No.  
11H0142Client Project ID  
Village of MamaroneckMatrix  
WaterCollection Date/Time  
August 2, 2011 10:21 amDate Received  
08/02/2011**Volatile Organics, 8260 List****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
1634-04-4	<b>Methyl tert-butyl ether (MTBE)</b>	<b>1.7</b>	J	ug/L	0.38	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
75-09-2	<b>Methylene chloride</b>	<b>1.1</b>	J, B	ug/L	1.1	10	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS

**Volatile Organics, tert-Butyl Alcohol****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	6.1	8.0	1	EPA SW846-8260B	08/10/2011 17:46	08/10/2011 17:46	SS

## Sample Information

**Client Sample ID:** MW-3S @ 1021

**York Sample ID:** 11H0142-06

York Project (SDG) No.  
11H0142

Client Project ID  
Village of Mamaroneck

Matrix  
Water

Collection Date/Time  
August 2, 2011 10:21 am

Date Received  
08/02/2011

### Arsenic by EPA 6010

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.00130	0.0100	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 12:03	MW

### Cadmium by EPA 6010

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00100	0.00300	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 12:03	MW

### Copper by EPA 6010

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	0.0133		mg/L	0.00160	0.00500	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 12:03	MW

### Lead by EPA 6010

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	0.0165		mg/L	0.00120	0.00300	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 12:03	MW

### Zinc by EPA 6010

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	0.0477		mg/L	0.000900	0.0200	1	EPA SW846-6010B	08/08/2011 08:49	08/08/2011 12:03	MW

### Mercury by 7470/7471

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	08/04/2011 11:54	08/04/2011 11:54	AA

## Sample Information

**Client Sample ID:** Trip Blank

**York Sample ID:** 11H0142-07

York Project (SDG) No.  
11H0142

Client Project ID  
Village of Mamaroneck

Matrix  
Water

Collection Date/Time  
August 2, 2011 1:00 pm

Date Received  
08/02/2011

### Volatile Organics, 8260 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS

**Sample Information****Client Sample ID:** Trip Blank**York Sample ID:****11H0142-07**York Project (SDG) No.  
11H0142Client Project ID  
Village of MamaroneckMatrix  
WaterCollection Date/Time  
August 2, 2011 1:00 pmDate Received  
08/02/2011**Volatile Organics, 8260 List****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
96-18-4	1,2,3-Trichloroproppane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS

**Sample Information****Client Sample ID:** Trip Blank**York Sample ID:****11H0142-07**York Project (SDG) No.  
11H0142Client Project ID  
Village of MamaroneckMatrix  
WaterCollection Date/Time  
August 2, 2011 1:00 pmDate Received  
08/02/2011**Volatile Organics, 8260 List****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
75-09-2	<b>Methylene chloride</b>	<b>1.2</b>	J, B	ug/L	1.1	10	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS

**Volatile Organics, tert-Butyl Alcohol****Log-in Notes:****Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	6.1	8.0	1	EPA SW846-8260B	08/10/2011 18:28	08/10/2011 18:28	SS

**Notes and Definitions**

- J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
  - B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
- 

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

---

Corrective Action:

# YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DR. STRATFORD, CT 06615  
(203) 325-1371 FAX (203) 357-0166

# Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.  
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

YOUR Information		Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: <b>Zion Environmental</b>	Same	Company: <b>Same</b>	Village of <b>Mamaroneck</b>	RUSH - Same Day	Summary Report	
Address: <b>172 Excelsior Ave</b> <b>MORN. NY 10940</b>	Address: _____	Address: _____	Purchase Order No. _____	RUSH - Next Day	Summary w/ QA Summary	
Phone No. <b>845 649 9346</b>	Phone No. _____	Phone No. _____	Attention: _____	RUSH - Two Day	CT RCP Package	
Contact Person: <b>Brian Nichols</b> <a href="mailto:zionenvironmental@frontiernet.net">zionenvironmental@frontiernet.net</a>	E-Mail Address: <a href="mailto:zionenvironmental@frontiernet.net">zionenvironmental@frontiernet.net</a>	E-Mail Address: _____	Attention: _____	RUSH - Three Day	NY ASP A Package	
		E-Mail Address: _____	Samples from: CT _____ NY <input checked="" type="checkbox"/> NJ	RUSH - Four Day	NY ASP B Package	
				Standard(5-7 Days)	Electronic Deliverables: <input checked="" type="checkbox"/> EDD (Specify Type) _____ <input type="checkbox"/> Excel	
Sample Matrix	Date Sampled	Choose Analyses Needed from the Menu Above and Enter Below	Description(s)			
MW-1D @ 1232	9-2-2011	6-W	1 Plastic 2 vials			
MW-1S @ 1310	8-2-2011	6-W	1 Plastic 2 vials			
MW-2D @ 1118	8-2-2011	6-W	1 Plastic 2 vials			
MW-2S @ 1145	8-2-2011	6-W	1 Plastic 2 vials			
MW-3D @ 1610	8-2-2011	6-W	1 Plastic 2 vials			
MW-3S @ 1021	8-2-2011	6-W	1 Plastic 2 vials			
Trip Blank	_____	LAB DR	2 vials			
Comments		Preservation <input type="checkbox"/> 4°C <input type="checkbox"/> Frozen <input type="checkbox"/> HCl <input type="checkbox"/> MeOH <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> NaOH Check those Applicable <input type="checkbox"/> ZnAc <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> Other	Date/Time <b>8-2-11</b>	Date/Time <b>14:10</b>	Temperature on Receipt <b>47 °C</b>	
Samples Relinquished By		<b>Brian Nichols</b>	Date/Time <b>8/2/11</b>	Date/Time <b>1530</b>	Samples Received in LAB by Date/Time	

## **Attachment 3**

**Table 4**

## **Table - 4**

### **Gas Vent and Bar Hole Monitoring Data**

### ATTACHMENT 3

**Table 4**  
**Gas Vent & Bar Hole Monitoring Data**  
**Village of Mamaroneck**  
**Taylor Lane Compost Site**

<b>GAS VENT MONITORING</b>						
<b>Gas Vent (GV) #</b>	<b>PID</b>	<b>CH4</b>	<b>CO2</b>	<b>O2</b>	<b>Balance</b>	<b>Remarks</b>
	(ppm)	(%)	(%)	(%)	(%)	
1	0.0	0.0	1.0	13.7	85.3	
2	0.0	0.0	0.6	13.5	85.9	
3	0.0	0.0	0.8	13.2	86.0	
4	0.0	10.4	14.6	5.5	69.5	Bee's nest in vent
5	0.0	24.6	19.1	1.0	55.3	
6	0.0	0.0	0.2	13.5	86.3	
7	0.0	0.0	0.0	14.1	85.9	Bee's nest in vent
8	0.0	0.6	5.1	7.0	87.3	

<b>BAR HOLE MONITORING</b>						
<b>Bar Hole (BH) #</b>	<b>PID</b>	<b>CH4</b>	<b>CO2</b>	<b>O2</b>	<b>Balance</b>	<b>Remarks</b>
	(ppm)	(%)	(%)	(%)	(%)	
1	0.0	0.0	0.0	16.6	83.4	
2	0.0	0.0	0.0	16.3	83.7	
3	0.0	0.0	0.0	16.8	83.2	
4	0.0	0.0	0.1	16.7	83.2	
5	0.0	0.0	0.0	16.9	83.1	
6	0.0	0.0	0.1	16.1	83.8	
7	0.0	0.0	0.0	16.3	83.7	
8	0.0	0.0	0.4	15.8	83.8	
9	0.0	0.0	0.2	15.9	83.9	
10	0.0	0.0	0.3	15.7	84.0	
11	0.0	0.0	0.1	16.4	83.5	
12	0.0	0.0	0.0	16.1	83.9	
13	0.0	0.0	0.0	16.7	83.3	

Note: See drawing entitled "Drawing No. 1 - August 2011 Sampling Event" for monitoring locations.

Equipment used: GEM 500 and MiniRae PID



## **Attachment 4**

### **Field Data Sheets**

**TAYLOR LANE, MAMARONECK - FIELD DATA - 08/02/2011**

**Groundwater Sampling Data**

MW #	Well Survey Elevation	Well Size	Metal or PVC	TPVC (in ft) (Top of PVC)	TOC (in ft) (Top of Casing)	BPVC (in ft) (Bottom of PVC)	BOC (in ft) (Bottom of Casing)	Water Quality Parameters					
								Sampling Time	pH (SU)	Conductivity (mS/cm <sup>2</sup> )	Temp. (oC)	ORP (mv)	Turbidity (NTU)
1S		2"	PVC	3.04	3.31	19.17	19.44	1310	6.69	914	18.9	-10.9	over 1,000
1D		2"	PVC	3.72	3.98	65.52	65.78	1232	7.61	666	16.9	-56.5	32
2S		2"	PVC	2.30	2.65	16.30	16.65	1145	7.31	987	16.5	-40.9	4
2D		2"	PVC	1.99	2.27	68.06	68.34	1118	7.55	731	16.9	-56.6	0.5
3S		2"	PVC	3.09	3.42	21.08	21.41	1021	6.36	1069	14.7	5.1	21
3D		2"	PVC	3.44	3.65	31.31	31.52	1010	6.30	1071	18.5	8.9	18

ID				TPVC	TOC	BPVC	BOC	ELEVATION
14D	16.75	2"	Metal	2.47	2.86	79.05	79.45	13.89
14S	16.52	2"	Metal	3.54	3.61	15.30	15.24	12.91
14M	16.80	2"	Metal	3.72	3.74	30.05	30.22	13.06
15D	19.17	2"	Metal	3.40	3.97	38.25	38.83	15.20
4D	18.47	2"	PVC	2.43	3.13	16.87	17.84	15.34
4S	17.57	2"	PVC	1.89	2.15	12.47	12.73	15.42
4M	20.49		Open	3.67	4.46	18.49	19.27	16.03
9D	32.08	4"	Metal	12.75	13.51	69.41	70.18	18.57
9S	32.42	2"	Metal	11.82	12.01	18.49	18.69	20.41

\*PVC 0.07 ABOVE TOC



## FIELD SAMPLING DATA SHEET



sample ID **MW-1S** sample date/time 8/2/2011 @ 1310  
 (lab) sample number **MW-1S** field personnel Brian Nichols  
 project Mamaroneck  
 project number 14-PSA-001 observer \_\_\_\_\_

weather conditions(estimate wind,cloud,precip,humidity,temp)  
Sunny 84 degrees

**SAMPLE TYPE**

- |   |  |                                      |                                   |
|---|--|--------------------------------------|-----------------------------------|
| <input type="checkbox"/> composite              | <input checked="" type="checkbox"/> grab | <input type="checkbox"/> soil        | <input type="checkbox"/> sediment |
| <input checked="" type="checkbox"/> groundwater | <input type="checkbox"/> surface water   | <input type="checkbox"/> industrial  | <input type="checkbox"/> gas      |
| <input type="checkbox"/> leachate               |  | <input type="checkbox"/> storm sewer |                                   |
| <input type="checkbox"/> other                  |  |                                      |                                   |

**MONITORING WELL DATA**

casing diameter 2"  PVC  steel  other  
 static water level (ft) 3.31 from  well casing from  protective casing (Height - 2.64')  
 bottom depth (ft) 19.44 from  well casing from  protective casing  
 static water level indicator type  steel tape  electronic  other  
 linear conversion 0.16 water volume in well 2.58 gallons  
 well condition New X's 3 well volumes 7.74 gallons

**MONITORING WELL PURGE DATA**

submersible pump  PVC bailer  suction pump  teflon bailer  
 poly bailer  poly cup  other \_\_\_\_\_  
 dedicated purge equipment ?  yes  no  
 time purge began 1235 pumping rate 1.0333 gallons per minute  
 time purge complete 1306 number of bails \_\_\_\_\_  
 elapsed time 31 minutes well volumes purged 11.63  
 volume purged 30 gallons well evacuated ?  yes  no

**SAMPLING DATA**

- |   |                                     |   |  |
|---|-------------------------------------|---|--|
| <input type="checkbox"/> pump             | <input type="checkbox"/> PVC bailer | <input checked="" type="checkbox"/> poly bailer | <input type="checkbox"/> teflon bailer |
| <input type="checkbox"/> stainless bucket | <input type="checkbox"/> poly cup   | <input type="checkbox"/> ttedlar bag            | <input type="checkbox"/> direct        |
| <input type="checkbox"/> hand corer       | <input type="checkbox"/> hand auger | <input type="checkbox"/> stainless spoon        | <input type="checkbox"/> split spoon   |
| <input type="checkbox"/> other            |                                     |   |  |
- dedicated sampling equipment ?  yes  no  
 metals field filtered ?  yes  no

depth of sample ~ 5 feet

sample containers 1 Plastic / 2 Voa's

**PHYSICAL AND CHEMICAL DATA**

odor ? <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes		
sediment ? <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes	<u>Black sediment</u>	
color ? <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes	<u>Black</u>	
<input type="checkbox"/> clear	<input checked="" type="checkbox"/> turbid	<input type="checkbox"/> sheen	<input type="checkbox"/> immiscible product
<input type="checkbox"/> other			

pH (SU) 6.69 temp (°C) 18.9 cond (mS/cm<sup>2</sup>) 914  
 ORP (mv) -10.9 turbidity (NTUs) Over 1,000

comments/remarks Turbid, black, no odors.

**Well re-development notes:**

Water was black throughout the purging of the well. I was able to purge the first 10 gallons then the well went dry. The well recharged within two minutes. After the first 10 gallons, I was only able to purge 5 gallons at a time before the well would go dry. This well never cleared up and continued to be black. Purged a total of 30 gallons.



## FIELD SAMPLING DATA SHEET



sample ID **MW-1D** sample date/time 8/2/2011 @ 1232  
 (lab) sample number **MW-1D** field personnel Brian Nichols  
 project Mamaroneck  
 project number 14-PSA-001 observer \_\_\_\_\_

weather conditions(estimate wind,cloud,precip,humidity,temp)  
Sunny 84 degrees

**SAMPLE TYPE**

- |   |  |                                      |                                   |
|---|--|--------------------------------------|-----------------------------------|
| <input type="checkbox"/> composite              | <input checked="" type="checkbox"/> grab | <input type="checkbox"/> soil        | <input type="checkbox"/> sediment |
| <input checked="" type="checkbox"/> groundwater | <input type="checkbox"/> surface water   | <input type="checkbox"/> industrial  | <input type="checkbox"/> gas      |
| <input type="checkbox"/> leachate               |  | <input type="checkbox"/> storm sewer |                                   |
| <input type="checkbox"/> other                  |  |                                      |                                   |

**MONITORING WELL DATA**

casing diameter 2"  PVC  steel  other  
 static water level (ft) 3.98 from  well casing from  protective casing (Height - 2.64')  
 bottom depth (ft) 65.78 from  well casing from  protective casing  
 static water level indicator type  steel tape  electronic  other  
 linear conversion 0.16 water volume in well 9.89 gallons  
 well condition New X's 3 well volumes 29.66 gallons

**MONITORING WELL PURGE DATA**

submersible pump  PVC bailer  suction pump  teflon bailer  
 poly bailer  poly cup  other \_\_\_\_\_  
 dedicated purge equipment ?  yes  no  
 time purge began 1205 pumping rate 3.4782 gallons per minute  
 time purge complete 1228 number of bails \_\_\_\_\_  
 elapsed time 23 minutes well volumes purged 8.09  
 volume purged 80 gallons well evacuated ?  yes  no

**SAMPLING DATA**

- |   |                                     |   |  |
|---|-------------------------------------|---|--|
| <input type="checkbox"/> pump             | <input type="checkbox"/> PVC bailer | <input checked="" type="checkbox"/> poly bailer | <input type="checkbox"/> teflon bailer |
| <input type="checkbox"/> stainless bucket | <input type="checkbox"/> poly cup   | <input type="checkbox"/> ttedlar bag            | <input type="checkbox"/> direct        |
| <input type="checkbox"/> hand corer       | <input type="checkbox"/> hand auger | <input type="checkbox"/> stainless spoon        | <input type="checkbox"/> split spoon   |
| <input type="checkbox"/> other            |                                     |   |  |
- dedicated sampling equipment ?  yes  no  
 metals field filtered ?  yes  no

depth of sample ~ 5 feet

sample containers 1 Plastic / 2 Voa's

**PHYSICAL AND CHEMICAL DATA**

odor ? <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	_____	
sediment ? <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	_____	
color ? <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	_____	
<input checked="" type="checkbox"/> clear	<input type="checkbox"/> turbid	<input type="checkbox"/> sheen	<input type="checkbox"/> immiscible product
<input type="checkbox"/> other			
pH (SU) <u>7.61</u>	temp (°C) <u>16.9</u>	cond (mS/cm <sup>2</sup> ) <u>666</u>	
ORP (mv) <u>-56.5</u>	turbidity (NTUs) <u>32</u>		

comments/remarks Clear, no odors.

**Well re-development notes:**

Water was black for the first 35 gallons then the well became clear for 10 more gallons. Moved the pump slowly up and down within the water column. The water became black for another 20 gallons while purging within the water column. The water became clear for the last 15 gallons. The well never went dry during the development of the well. Purged a total of 80 gallons.



## FIELD SAMPLING DATA SHEET



sample ID MW-2S sample date/time 8/2/2011 @ 1145  
 (lab) sample number MW-2S field personnel Brian Nichols  
 project Mamaroneck  
 project number 14-PSA-001 observer \_\_\_\_\_

weather conditions(estimate wind,cloud,precip,humidity,temp)  
Sunny 84 degrees

**SAMPLE TYPE**

- |   |  |                                      |                                   |
|---|--|--------------------------------------|-----------------------------------|
| <input type="checkbox"/> composite              | <input checked="" type="checkbox"/> grab | <input type="checkbox"/> soil        | <input type="checkbox"/> sediment |
| <input checked="" type="checkbox"/> groundwater | <input type="checkbox"/> surface water   | <input type="checkbox"/> industrial  | <input type="checkbox"/> gas      |
| <input type="checkbox"/> leachate               |  | <input type="checkbox"/> storm sewer |                                   |
| <input type="checkbox"/> other                  |  |                                      |                                   |

**MONITORING WELL DATA**

casing diameter 2"  PVC  steel  other  
 static water level (ft) 2.65 from  well casing from  protective casing (Height - 2.64')  
 bottom depth (ft) 16.65 from  well casing from  protective casing  
 static water level indicator type  steel tape  electronic  other  
 linear conversion 0.16 water volume in well 2.24 gallons  
 well condition New X's 3 well volumes 6.72 gallons

**MONITORING WELL PURGE DATA**

submersible pump  PVC bailer  suction pump  teflon bailer  
 poly bailer  poly cup  other \_\_\_\_\_  
 dedicated purge equipment ?  yes  no  
 time purge began 1120 pumping rate 3.2352 gallons per minute  
 time purge complete 1137 number of bails \_\_\_\_\_  
 elapsed time 17 minutes well volumes purged 24.55  
 volume purged 55 gallons well evacuated ?  yes  no

**SAMPLING DATA**

pump  PVC bailer  poly bailer  teflon bailer  
 stainless bucket  poly cup  tedi袋  direct  
 hand corer  hand auger  stainless spoon  split spoon  
 other \_\_\_\_\_  
 dedicated sampling equipment ?  yes  no  
 metals field filtered ?  yes  no  
 depth of sample ~ 5 feet

sample containers 1 Plastic / 2 Voa's

**PHYSICAL AND CHEMICAL DATA**

odor ? <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	_____	
sediment ? <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	_____	
color ? <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	_____	
<input type="checkbox"/> clear	<input type="checkbox"/> turbid	<input type="checkbox"/> sheen	<input type="checkbox"/> immiscible product
<input checked="" type="checkbox"/> other	Some small black particles		
pH (SU) <u>7.31</u>	temp (°C) <u>16.5</u>	cond (mS/cm <sup>2</sup> ) <u>987</u>	
ORP (mv) <u>-40.9</u>	turbidity (NTUs) <u>4</u>		

comments/remarks Clear with some small black particles, no odors.

**Well re-development notes:**

Water was black for the first 20 gallons then the well became clear for 10 more gallons. Moved the pump slowly up and down within the water column. The water became black for another 15 gallons while purging within the water column. The water became clear for the last 10 gallons. The well never went dry during the development of the well. Purged a total of 55 gallons.



## FIELD SAMPLING DATA SHEET



sample ID **MW-2D** sample date/time 8/2/2011 @ 1118  
 (lab) sample number MW-2D field personnel Brian Nichols  
 project Mamaroneck  
 project number 14-PSA-001 observer \_\_\_\_\_  
 weather conditions(estimate wind,cloud,precip,humidity,temp)  
Sunny 84 degrees

**SAMPLE TYPE**

- |   |  |                                      |                                   |
|---|--|--------------------------------------|-----------------------------------|
| <input type="checkbox"/> composite              | <input checked="" type="checkbox"/> grab | <input type="checkbox"/> soil        | <input type="checkbox"/> sediment |
| <input checked="" type="checkbox"/> groundwater | <input type="checkbox"/> surface water   | <input type="checkbox"/> industrial  | <input type="checkbox"/> gas      |
| <input type="checkbox"/> leachate               |  | <input type="checkbox"/> storm sewer |                                   |
| <input type="checkbox"/> other                  |  |                                      |                                   |

**MONITORING WELL DATA**

casing diameter 2"  PVC  steel  other  
 static water level (ft) 2.27 from  well casing from  protective casing (Height - 2.64')  
 bottom depth (ft) 68.34 from  well casing from  protective casing  
 static water level indicator type  steel tape  electronic  other  
 linear conversion 0.16 water volume in well 10.57 gallons  
 well condition New X's 3 well volumes 31.71 gallons

**MONITORING WELL PURGE DATA**

submersible pump  PVC bailer  suction pump  teflon bailer  
 poly bailer  poly cup  other \_\_\_\_\_  
 dedicated purge equipment ?  yes  no  
 time purge began 1048 pumping rate 3.7037 gallons per minute  
 time purge complete 1115 number of bails \_\_\_\_\_  
 elapsed time 27 minutes well volumes purged 9.46  
 volume purged 100 gallons well evacuated ?  yes  no

**SAMPLING DATA**

- |   |                                     |   |  |
|---|-------------------------------------|---|--|
| <input type="checkbox"/> pump             | <input type="checkbox"/> PVC bailer | <input checked="" type="checkbox"/> poly bailer | <input type="checkbox"/> teflon bailer |
| <input type="checkbox"/> stainless bucket | <input type="checkbox"/> poly cup   | <input type="checkbox"/> ttedlar bag            | <input type="checkbox"/> direct        |
| <input type="checkbox"/> hand corer       | <input type="checkbox"/> hand auger | <input type="checkbox"/> stainless spoon        | <input type="checkbox"/> split spoon   |
| <input type="checkbox"/> other            |                                     |   |  |
- dedicated sampling equipment ?  yes  no  
 metals field filtered ?  yes  no

depth of sample ~ 5 feet

sample containers 1 Plastic / 2 Voa's

**PHYSICAL AND CHEMICAL DATA**

odor ? <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	_____	
sediment ? <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	_____	
color ? <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	_____	
<input checked="" type="checkbox"/> clear	<input type="checkbox"/> turbid	<input type="checkbox"/> sheen	<input type="checkbox"/> immiscible product
<input type="checkbox"/> other			

pH (SU) 7.55 temp (°C) 16.9 cond (mS/cm<sup>2</sup>) 731  
 ORP (mv) -56.6 turbidity (NTUs) 0.5

comments/remarks Clear, no odors.

**Well re-development notes:**

Water was clear for the first 65 gallons. Moved the pump slowly up and down within the water column. The water became turbid that was brown to grey in color for another 10 gallons. The water became clear for the last 25 gallons. The well never went dry during the development of the well. Purged a total of 100 gallons.



## FIELD SAMPLING DATA SHEET



sample ID MW-3S sample date/time 8/2/2011 @ 1021  
 (lab) sample number MW-3S field personnel Brian Nichols  
 project Mamaroneck  
 project number 14-PSA-001 observer \_\_\_\_\_

weather conditions(estimate wind,cloud,precip,humidity,temp)  
Sunny 84 degrees

**SAMPLE TYPE**

- |   |  |                                      |                                   |
|---|--|--------------------------------------|-----------------------------------|
| <input type="checkbox"/> composite              | <input checked="" type="checkbox"/> grab | <input type="checkbox"/> soil        | <input type="checkbox"/> sediment |
| <input checked="" type="checkbox"/> groundwater | <input type="checkbox"/> surface water   | <input type="checkbox"/> industrial  | <input type="checkbox"/> gas      |
| <input type="checkbox"/> leachate               |  | <input type="checkbox"/> storm sewer |                                   |
| <input type="checkbox"/> other                  |  |                                      |                                   |

**MONITORING WELL DATA**

casing diameter 2"  PVC  steel  other  
 static water level (ft) 3.42 from  well casing from  protective casing (Height - 2.64')  
 bottom depth (ft) 21.41 from  well casing from  protective casing  
 static water level indicator type  steel tape  electronic  other  
 linear conversion 0.16 water volume in well 2.88 gallons  
 well condition New X's 3 well volumes 8.64 gallons

**MONITORING WELL PURGE DATA**

submersible pump  PVC bailer  suction pump  teflon bailer  
 poly bailer  poly cup  other \_\_\_\_\_  
 dedicated purge equipment ?  yes  no  
 time purge began 1000 pumping rate 3.3333 gallons per minute  
 time purge complete 1015 number of bails \_\_\_\_\_  
 elapsed time 15 minutes well volumes purged 17.36  
 volume purged 50 gallons well evacuated ?  yes  no

**SAMPLING DATA**

- |   |                                     |   |  |
|---|-------------------------------------|---|--|
| <input type="checkbox"/> pump             | <input type="checkbox"/> PVC bailer | <input checked="" type="checkbox"/> poly bailer | <input type="checkbox"/> teflon bailer |
| <input type="checkbox"/> stainless bucket | <input type="checkbox"/> poly cup   | <input type="checkbox"/> ttedlar bag            | <input type="checkbox"/> direct        |
| <input type="checkbox"/> hand corer       | <input type="checkbox"/> hand auger | <input type="checkbox"/> stainless spoon        | <input type="checkbox"/> split spoon   |
| <input type="checkbox"/> other            |                                     |   |  |
- dedicated sampling equipment ?  yes  no  
 metals field filtered ?  yes  no

depth of sample ~ 5 feet

sample containers 1 Plastic / 2 Voa's

**PHYSICAL AND CHEMICAL DATA**

odor ? <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	_____	
sediment ? <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	_____	
color ? <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	_____	
<input type="checkbox"/> clear	<input type="checkbox"/> turbid	<input type="checkbox"/> sheen	<input type="checkbox"/> immiscible product
<input checked="" type="checkbox"/> other	<u>Slightly turbid</u>		

pH (SU) 6.36 temp (°C) 14.7 cond (mS/cm<sup>2</sup>) 1069  
 ORP (mv) 5.1 turbidity (NTUs) 21

comments/remarks Clear, some small orange particles, no odors.

**Well re-development notes:**

Before and while purging the first 10 gallons, the water was very turbid with large orange particles. Moved the pump slowly up and down within the water column. The water became clear for the last 10 gallons purged. The well never went dry during the development of the well. Purged a total of 50 gallons.



## FIELD SAMPLING DATA SHEET



sample ID **MW-3D** sample date/time 8/2/2011 @ 1010  
 (lab) sample number **MW-3D** field personnel Brian Nichols  
 project Mamaroneck  
 project number 14-PSA-001 observer \_\_\_\_\_

weather conditions(estimate wind,cloud,precip,humidity,temp)  
Sunny 84 degrees

**SAMPLE TYPE**

- |   |  |                                      |                                   |
|---|--|--------------------------------------|-----------------------------------|
| <input type="checkbox"/> composite              | <input checked="" type="checkbox"/> grab | <input type="checkbox"/> soil        | <input type="checkbox"/> sediment |
| <input checked="" type="checkbox"/> groundwater | <input type="checkbox"/> surface water   | <input type="checkbox"/> industrial  | <input type="checkbox"/> gas      |
| <input type="checkbox"/> leachate               |  | <input type="checkbox"/> storm sewer |                                   |
| <input type="checkbox"/> other                  |  |                                      |                                   |

**MONITORING WELL DATA**

casing diameter 2"  PVC  steel  other  
 static water level (ft) 3.65 from  well casing from  protective casing (Height - 2.64')  
 bottom depth (ft) 31.52 from  well casing from  protective casing  
 static water level indicator type  steel tape  electronic  other  
 linear conversion 0.16 water volume in well 4.46 gallons  
 well condition New X's 3 well volumes 13.38 gallons

**MONITORING WELL PURGE DATA**

submersible pump  PVC bailer  suction pump  teflon bailer  
 poly bailer  poly cup  other \_\_\_\_\_  
 dedicated purge equipment ?  yes  no  
 time purge began 923 pumping rate 1.8518 gallons per minute  
 time purge complete 950 number of bails \_\_\_\_\_  
 elapsed time 27 minutes well volumes purged 11.21  
 volume purged 50 gallons well evacuated ?  yes  no

**SAMPLING DATA**

- |   |                                     |   |  |
|---|-------------------------------------|---|--|
| <input type="checkbox"/> pump             | <input type="checkbox"/> PVC bailer | <input checked="" type="checkbox"/> poly bailer | <input type="checkbox"/> teflon bailer |
| <input type="checkbox"/> stainless bucket | <input type="checkbox"/> poly cup   | <input type="checkbox"/> ttedlar bag            | <input type="checkbox"/> direct        |
| <input type="checkbox"/> hand corer       | <input type="checkbox"/> hand auger | <input type="checkbox"/> stainless spoon        | <input type="checkbox"/> split spoon   |
| <input type="checkbox"/> other            |                                     |   |  |
- dedicated sampling equipment ?  yes  no  
 metals field filtered ?  yes  no

depth of sample ~ 5 feet

sample containers 1 Plastic / 2 Voa's

**PHYSICAL AND CHEMICAL DATA**

odor ? <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	_____	
sediment ? <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	_____	
color ? <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	_____	
<input checked="" type="checkbox"/> clear	<input type="checkbox"/> turbid	<input type="checkbox"/> sheen	<input type="checkbox"/> immiscible product
<input checked="" type="checkbox"/> other	<u>Slightly turbid</u>		

pH (SU) 6.3 temp (°C) 18.5 cond (mS/cm<sup>2</sup>) 1071  
 ORP (mv) 8.9 turbidity (NTUs) 18

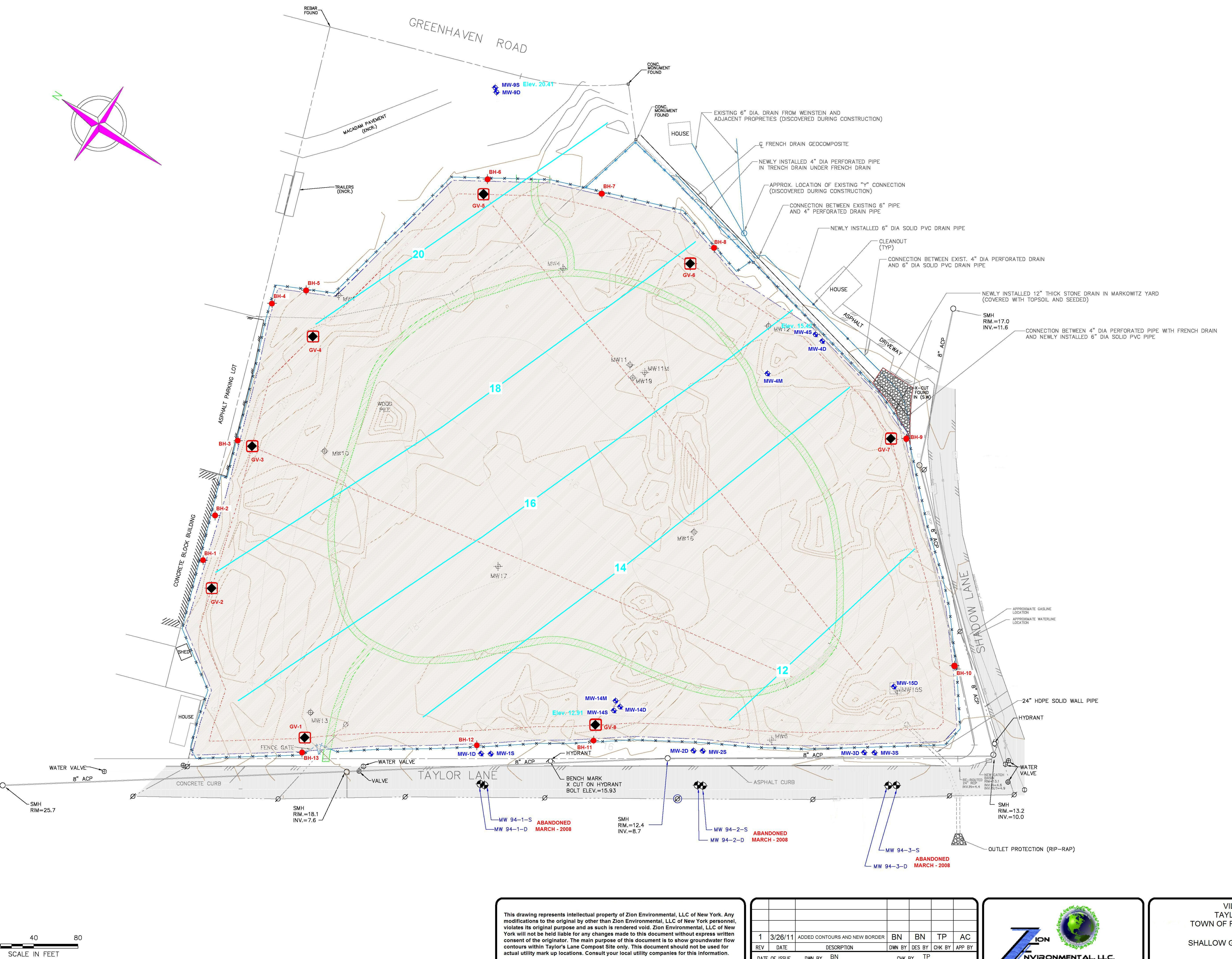
comments/remarks Clear to slightly turbid, some small orange particles, no odors.

**Well re-development notes:**

Before and while purging the first 15 gallons, the water was turbid with medium orange particles. Moved the pump slowly up and down within the water column. The water became clear for the last 15 gallons purged. The well never went dry during the development of the well. Purged a total of 50 gallons.

## **Attachment 5**

**Drawing No. 1**



This drawing represents intellectual property of Zion Environmental, LLC of New York. Any modifications to the original by other than Zion Environmental, LLC of New York personnel, violates its original purpose and as such is rendered void. Zion Environmental, LLC of New York will not be liable for any changes made to this document without express written consent of the originator. The main purpose of this document is to show groundwater flow contours within Taylor's Lane Compost Site only. This document should not be used for actual utility mark up locations. Consult your local utility companies for this information.

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
1	3/26/11	ADDED CONTOURS AND NEW BORDER	BN	BN	TP	AC



VILLAGE OF MAMARONECK  
TAYLOR'S LANE COMPOST SITE  
TOWN OF RYE, WESTCHESTER, NEW YORK  
SITE MAP WITH  
SHALLOW GROUNDWATER FLOW CONTOURS  
AUGUST 2, 2011

DRAWING NO.  
1  
PROJECT NO.  
14-PSA-001