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"QUALITY SERVICE AT AN HONEST PRICE"

April 02, 2020
Project No. 14-PSA-002

Mr. Edward Moore, Project Manager
NYS DEC, Region 3
21 South Putt Corners Road
New Paltz, NY 12561.

Re: February 2020 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 February 24, 2020. 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 February 24, 2020. Historically these 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.

Wells MW-1S, MW-1D, MW-2S, MW-2D, MW-3S and MW-3D along Taylor Lane were purged and allowed to recharge prior to the sampling of the wells. The information obtained during the process of purging and the amount that was purged for each well can be found on the field data sheet provided in Attachment 4.

The collected samples were packed in ice, picked up by a courier, and transported to York Analytical Laboratory in Stamford, CT the day of the sampling event. The samples were analyzed for metals (arsenic, cadmium, copper, lead, mercury, and zinc), as well as for 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 were 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 metals 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 the monitoring well locations and the groundwater contour map and is provided in Attachment 5.

Landfill Gas Vent and Bar Hole Monitoring

Landfill gas vent monitoring was performed on February 24, 2020. 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 BH-13) 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 (CH₄), carbon dioxide (CO₂), and oxygen (O₂) 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

During the sampling event on August 21, 2019, it was noted that wells MW-3S and MW-3D had a white slimy substance at the top of the water column that coated the rope and bailer of these two wells. This substance was still present during the February 24, 2020 sampling event. The white substance also had a petrol odor. Due to the unknown identity of the substance at the time, three to five gallons were purged from each well into a 5-gallon bucket. The white slimy substance could be the result of the TBA aerobic biodegradation process when it is exposed to oxygen.

A review of the groundwater analytical data indicated that the inorganic constituent lead was detected at concentrations above the New York State Department of Conservation (NYSDEC) Part 703 Groundwater Standard of 25.0 ug/l in well MW-1S at 142 ug/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.

Tert-butyl alcohol (TBA) was detected at a concentration below the NYSDEC Part 703 groundwater guidance value of 20 ug/l in well MW-2S at a concentration of 8.2 ug/L. Methyl tert-butyl ether (MTBE) was detected at a concentration below the NYSDEC Part 703 groundwater guidance values of 10 ug/l at well MW-2S at a concentration of 3.1 ug/l. The results were reported with a J flag (Detected below the Reporting Limit but greater than or equal to the Method Detection Limit; therefore, the result is an estimated concentration).

Tert-butyl alcohol and methyl tert-butyl ether 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.

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 detector (PID) readings, volatile organic vapors were not detected (0.0 ppm) in any of the gas vents or perimeter bar hole monitoring locations during the February 24, 2020 sampling event. Methane was detected at GV-4 at a concentration of 0.6% methane gas and GV-5 at a concentration of 2.1% methane gas.

Gas vent and bar hole locations are depicted on Drawing 1. Results for the February 2020 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 us at 845-649-9346.

Sincerely,



Brian Nichols,
Vice President - CPM

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 Sheet

Attachment 5 – Drawing No. 1

cc: Mr. Dan Sarnoff, 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
Taylor's Lane Compost Site
Village of Mamaroneck

Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
Arsenic ($\mu\text{g/L}$)	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 25.0 $\mu\text{g/L}$	11/5/1998	24.5	34.2	21.4	13.4	2.2 U	2.2 U
	5/25/1999	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				
	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					
	6/26/2002	10 U					
	11/19/2002	10 U					
	6/24/2003	10 U					
	11/17/2003	10 U					
	6/21/2004	10 U					
	11/22/2004	10 U					
	6/22/2005	10 U					
	11/22/2005	10 U					
	7/5/2006	10 U					
	11/27/2006	10 U	10 U	10 U	10 U	22.6	10 U
	6/27/2007	10 U	21.9				
	1/9/2008	10 U					
	7/23/2008	19.9	10 U	10 U	10 U	11.6	10 U
	2/20/2009	12	10 U				
	8/27/2009	10 U					
	2/25/2010	16	10 U	10 U	10 U	11	10 U
	8/26/2010	10 U					
	2/23/2011	10 U					
	8/2/2011	19.8	10 U				
	2/20/2012	10 U					
	8/30/2012	10 U					
	2/19/2013	10 U					
	8/14/2013	10 U					
	2/26/2014	4.45	4 U	NA	4 U	4 U	4 U
	10/2/2014	6.13	4 U	4 U	4 U	4 U	4 U
	2/24/2015	5.89	4 U	4 U	4 U	4 U	4 U
	8/6/2015	11.6	4.28	4 U	4 U	4 U	4 U
	3/9/2016	10.2	4 U	4 U	4 U	4 U	4 U
	8/12/2016	9.8	4 U	6.66	4 U	4 U	4 U
	2/1/2017	9.53	4 U	4 U	4 U	4 U	4.67
	8/17/2017	12.2	6.18	4.59	4 U	4 U	7.36
	2/15/2018	7.48	4 U	4 U	4 U	4 U	4 U
	8/2/2018	4 U	4 U	4 U	4 U	4 U	4 U
	2/5/2019	22.6	4 U	4 U	4 U	4 U	4 U
	8/21/2019	4 U	4 U	4 U	4 U	4 U	4 U
	2/24/2020	4 U	4 U	4 U	4 U	4 U	4 U

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Cadmium ($\mu\text{g/L}$)	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	10.4	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
	2/20/2012	3 U	3 U	3 U	3 U	3 U	3 U
	8/30/2012	3 U	3 U	3 U	3 U	3 U	3 U
	2/19/2013	3 U	3 U	3 U	3 U	3 U	3 U
	8/14/2013	3 U	3 U	3 U	3 U	3 U	3 U
	2/26/2014	3 U	3 U	NA	3 U	3 U	3 U
	10/2/2014	3 U	3 U	3 U	3 U	3 U	3 U
	2/24/2015	3 U	3 U	3 U	3 U	3 U	3 U
	8/6/2015	3 U	3 U	3 U	3 U	3 U	3 U
	3/9/2016	3 U	3 U	3 U	3 U	3 U	3 U
	8/12/2016	3 U	3 U	3 U	3 U	3 U	3 U
	2/1/2017	3 U	3 U	3 U	3 U	3 U	3 U
	8/17/2017	3 U	3 U	3 U	3 U	3 U	3 U
	2/15/2018	3 U	3 U	3 U	3 U	3 U	3 U
	8/2/2018	3 U	3 U	3 U	3 U	3 U	3 U
	2/5/2019	3 U	3 U	3 U	3 U	3 U	3 U
	8/21/2019	3 U	3 U	3 U	3 U	3 U	3 U
	2/24/2020	3 U	3 U	3 U	3 U	3 U	3 U

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Copper ($\mu\text{g/L}$)	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
GW Standard 200.0 $\mu\text{g/L}$	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	478	22.1
	6/28/2000	3.7 U	15 J	36	3.7 U	255	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	520	16
	11/29/2001	20 U	20 U	25.9	20 U	204	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					
	11/17/2003	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					
	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	106				
	1/9/2008	51.8	37.5	20 U	20 U	74.5	20 U
	7/23/2008	20 U					
	2/20/2009	20 U					
	8/27/2009	20 U					
	2/25/2010	20 U					
	8/26/2010	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
	2/20/2012	69.9	15.0	53.2	51.3	5.0 U	13.9
	8/30/2012	36.8	14.7	21.9	32.7	18.4	14.3
	2/19/2013	21.4	10.2	7.8	6.53	5 U	11.5
	8/14/2013	42.7	11.3	18.2	15.8	12.6	13.5
	2/26/2014	8.21	3.0 U	NA	3 U	12.8	7.16
	10/2/2014	4.39	3.0 U	15.2	3 U	10.2	5.51
	2/24/2015	11.8	3.0 U	20.3	3 U	10.5	9.52
	8/6/2015	62	10.8	80.1	7.23	18.4	11.9
	3/9/2016	12	5.0	9.44	4.83	15.0	12.1
	8/12/2016	20.7	6.6	61.6	6.27	17.9	13.3
	2/1/2017	13.7	3.0 U	67.4	3.39	13.4	9.72
	8/17/2017	26 B	22.0 U	22.5 B	22 U	39.4 B	28.9 B
	2/15/2018	16.6 B	15.1 B	44.2 B	25.4 B	53.3 B	26.7 B
	8/2/2018	6.21	7.2	14.8	7.49	48.3	19.3
	2/5/2019	38.5	3.0 U	3.0 U	3.0 U	128.0	25.5
	8/21/2019	108	3.0 U	3 U	3 U	49.0	3 U
	2/24/2020	67	3.0 U	3.0 U	3.0 U	41.9	3 U

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Lead ($\mu\text{g/L}$)	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	36.1	18.2
	5/19/1998	1.4 J	0.7 U	0.81 J	0.7 U	14.6	16.6
GW Standard 25.0 $\mu\text{g/L}$	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	68	3.6
	6/28/2000	2.3 U	44.4	7.2	2.3 U	98.5	17.5
	11/15/2000	5 U	91.8	8.05	5 U	22.5	19.6
	6/20/2001	1.69	37.9	45.2	5.13	62.3	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	54.2	7.3
	6/27/2007	5 U	13.2	11.7	5 U	54.2	7.3
	1/9/2008	5 U	5 U	5 U	5 U	5 U	72.5
	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	528	72.7	217	6.9	117	3 U
	8/2/2011	1,550	13.2	56.3	4.86	16.5	6.16
	2/20/2012	483	10.1	324	12.0	3.28	3 U
	8/30/2012	762	18.3	152	7.3	9.7	3 U
	2/19/2013	423	7.5	52.1	5 U	4.0	3 U
	8/14/2013	508	9.8	124	8.4	12.6	3 U
	2/26/2014	49.1	13.4	NA	3 U	24.8	3 U
	10/2/2014	50.7	3 U	218	3 U	13.0	3 U
	2/24/2015	119	3 U	358	3 U	13.4	3 U
	8/6/2015	153	6.11	218	3 U	12.5	3 U
	3/9/2016	87.9	3 U	41.7	3 U	7.6	3 U
	8/12/2016	49.5	3 U	168	3 U	8.39	3 U
	2/1/2017	31.3	3 U	188	3 U	3 U	3 U
	8/17/2017	201.0 B	11 U	276 B	11 U	11 U	11 U
	2/15/2018	33.4	5 U	216	5 U	5 U	5 U
	8/2/2018	34.9	5 U	160	5 U	10.4	5 U
	2/5/2019	95.2	5 U	57.4	5 U	5 U	5 U
	8/21/2019	295	5 U	37.5	5 U	5 U	5 U
	2/24/2020	142	5 U	13.3	5 U	5 U	5 U

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Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
Mercury ($\mu\text{g/L}$)	5/22/1997	0.2 U					
	11/14/1997	0.1 U					
	5/19/1998	0.1 U					
	GW Standard	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
	2/20/2012	0.2 U					
	8/30/2012	0.2 U					
	2/19/2013	0.2 U					
	8/14/2013	0.2 U					
	2/26/2014	0.2 U					
	10/2/2014	0.2 U					
	2/24/2015	0.2 U					
	8/6/2015	0.2 U					
	3/9/2016	0.2 U					
	8/12/2016	0.2 U					
	2/1/2017	0.2 U					
	8/17/2017	0.2 U					
	2/15/2018	0.2 U					
	8/2/2018	0.2 U					
	2/5/2019	0.2 U					
	8/21/2019	0.2 U					
	2/24/2020	0.2 U					

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Zinc ($\mu\text{g/L}$)	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
GW Standard 2,000 $\mu\text{g/L}$	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	2040
	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
	2/20/2012	712	34.5	414	66.4	49.0	52.5
	8/30/2012	1,132	56.5	256	59.1	53.0	49.1
	2/19/2013	820	27.1	81.6	32.4	38.5	41.3
	8/14/2013	938	36.8	139	44.3	44.0	55.2
	2/26/2014	124	29.2	NA	20.6	62.7	40.1
	10/2/2014	128	16.3	254	16.9	62.9	35.8
	2/24/2015	160	11.2	383	10.4	53.8	32.0
	8/6/2015	244	33.4	256	15.4	79.1	30.7
	3/9/2016	155	19.6	60.7	3U	64.5	30.3
	8/12/2016	118	13.8	204	13	88.7	32.2
	2/1/2017	70.8	16.5	233	17.1	74.5	26.7
	8/17/2017	297.0 B	35.2 B	328 B	18.9 B	95.1 B	41.7 B
	2/15/2018	70.8	20 U	229	17.1	76.4	34.1
	8/2/2018	48.6	20 U	158	20 U	37.3	20.0 U
	2/5/2019	184.0	37.1	82.3	20 U	75.9	28.9
	8/21/2019	399.0	20 U	54.4	20 U	871.0	721.0
	2/24/2020	216.0	20 U	54.5	20 U	319.0	89.9

J - Estimated value, less than detection limit.

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

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Table 2
Summary of Volatile Organic Compounds
Taylor's 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
Standard	2.0	5.0	10.0	20.0	5.0	5.0	5.0
MW-1S							
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
2/20/2012	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	0.55 J	5.0 U
8/30/2012	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	0.71 J	5.0 U
2/19/2013	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	0.55 J	5.0 U
8/14/2013	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	0.62 J	5.0 U
2/26/2014	5.0 U	5.0 U	5.0 U	20 U	5.0 U	5.0 U	5.0 U
10/2/2014	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 U
2/24/2015	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 U
8/6/2015	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.00 U	5.0 U
3/9/2016	5 U	5 U	5 U	2.0 U	5 U	2.9 J	5 U
8/12/2016	5 U	5 U	5 U	1	5 U	2.8 J	5 U
2/1/2017	5 U	5 U	5 U	1.7 Cal-E	5 U	2.8 J	5 U
8/17/2017	5 U	5 U	5 U	0.66 J	5 U	2.5 J	5 U
2/15/2018	5 U	5 U	5 U	1 J	5 U	2.5 J	5 U
8/2/2018	5 U	5 U	5 U	2 U	5 U	3.2 J	5 U
2/5/2019	5 U	5 U	5 U	1.2 J	5 U	2.6 J	5 U
8/21/2019	5 U	5 U	5 U	1 U	5 U	2.5 J	5 U
2/24/2020	5 U	5 U	5 U	1 U	5 U	5 U	5 U
MW-1D							
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
2/20/2012	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	5.0 U	5.0 U
8/30/2012	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	5.0 U	5.0 U
2/19/2013	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	5.0 U	5.0 U
8/14/2013	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	5.0 U	5.0 U
2/26/2014	5.0 U	5.0 U	5 U	20 U	5.0 U	5 U	5.0 U
10/2/2014	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 U
2/24/2015	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
8/6/2015	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3/9/2016	5 U	5 U	5 U	2 U	5 U	5 U	5 U
8/12/2016	5 U	5 U	5 U	2 U	5 U	5 U	5 U
2/1/2017	5 U	5 U	5 U	2 U	5 U	5 U	5 U
8/17/2017	5 U	5 U	5 U	10 U	5 U	5 U	5 U
2/15/2018	5 U	5 U	5 U	2 U	5 U	5 U	5 U
8/2/2018	5 U	5 U	5 U	2 U	5 U	5 U	5 U
2/5/2019	5 U	5 U	5 U	2 U	5 U	5 U	5 U
8/21/2019	5 U	5 U	5 U	1 U	5 U	5 U	5 U
2/24/2020	5 U	5 U	5 U	1 U	5 U	5 U	5 U

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Table 2
Summary of Volatile Organic Compounds
Taylor's 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
Standard	2.0	5.0	10.0	20.0	5.0	5.0	5.0
MW-2S							
5/22/1997	4.0 J	2.0 J	-	-	-	-	-
11/14/1997	21	3.0 J	-	-	-	-	-
5/19/1998	17	3.0 J	-	-	-	-	-
11/5/1998	14	3.0 J	-	-	-	-	-
5/25/1999	13	2.0 J	-	-	-	-	-
11/18/1999	6.0 J	10 U	-	-	-	-	-
6/28/2000	7.8	1.6	-	-	-	-	-
11/15/2000	5.0 U	5.0 U	-	-	-	-	-
6/20/2001	7.6	1.2	190	-	-	-	-
11/29/2001	2.5 U	0.5 U	82	270	-	-	-
6/26/2002	1.6	1.0 U	50	130	-	-	-
11/19/2002	5.0 U	5.0 U	56	210	-	-	-
6/24/2003	3.3	0.5 U	270	20 U	-	-	-
11/17/2003	1.2	0.5 U	250	120	-	-	-
6/21/2004	0.96	0.5 U	380	90	-	-	-
11/22/2004	0.64	0.5 U	380	200	-	-	-
6/22/2005	7.7	1.1	16	23	-	-	-
11/22/2005	4.1	0.5 U	61	90	-	-	-
7/5/2006	6.4	0.6	63	110	-	-	-
11/27/2006	4.0	0.5 U	70 E	110	-	-	-
6/27/2007	2.5	0.5 U	93 E	250	-	-	-
1/9/2008	2.2	0.5 U	74 E	350	-	-	-
7/23/2008	2.8	0.5 U	12	37	-	-	-
2/20/2009	1.3	0.5 U	16	43	-	-	-
8/27/2009	0.5 U	0.5 U	15	50	-	-	-
2/25/2010	0.5 U	0.5 U	24	65	0.6	-	-
8/26/2010	0.5 U	0.5 U	23	200	0.5 U	0.5 U	-
2/23/2011	5.0 U	5.0 U	22	N/A	5.0 U	N/A	5.0 U
8/2/2011	2.5 J	5.0 U	16	37	5.0 U	5.0 U	5.0 U
2/20/2012	4.5 J	5.0 U	9.4	18.0	5.0 U	5.0 U	5.0 U
8/30/2012	3.7 J	5.0 U	14	21	5.0 U	5.0 U	5.0 U
2/19/2013	1.5	5.0 U	9.7	19.0	5.0 U	5.0 U	5.0 U
8/14/2013	2.5 J	5.0 U	8.2	19.5	5.0 U	5.0 U	5.0 U
2/26/2014	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10/2/2014	5.0 U	5.0 U	5.3	6.2	5.0 U	5.0 U	5.0 U
2/24/2015	5.0 U	5.0 U	3.5 J	5.0 U	5.0 U	5.0 U	5.0 U
8/6/2015	5.0 U	5.0 U	2.7 J	6.4	5.0 U	5.0 U	5.0 U
3/9/2016	5 U	5 U	3.9 J	8.4	5 U	5 U	5 U
8/12/2016	5 U	5 U	2.9 J	9.9	5 U	5 U	5 U
2/1/2017	5 U	5 U	4.1 J	14.0 Cal-E	5 U	5 U	5 U
8/17/2017	5 U	5 U	3.2 J	28.0	5 U	5 U	5 U
2/15/2018	5 U	5 U	4.3 J	11.0	5 U	5 U	5 U
8/2/2018	5 U	5 U	3.7 J	2.0 U	5 U	5 U	5 U
2/5/2019	5 U	5 U	2.8 J	17.0	5 U	5 U	5 U
8/21/2019	5 U	5 U	5 U	7.3	5 U	5 U	5 U
2/24/2020	5 U	5 U	3.1 J	8.2 J	5 U	5 U	5 U

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Table 2
Summary of Volatile Organic Compounds
Taylor's 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
Standard	2.0	5.0	10.0	20.0	5.0	5.0	5.0
MW-2D							
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
2/20/2012	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	5.0 U	5.0 U
8/30/2012	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	5.0 U	5.0 U
2/19/2013	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	5.0 U	5.0 U
8/14/2013	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	5.0 U	5.0 U
2/26/2014	5.0 U	5.0 U	5 U	20 U	5.0 U	5 U	5.0 U
10/2/2014	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 U
2/24/2015	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 U
8/6/2015	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 U
3/9/2016	5 U	5 U	5 U	2 U	5 U	5 U	5 U
8/12/2016	5 U	5 U	5 U	0.76 J	5 U	5 U	5 U
2/1/2017	5 U	5 U	5 U	2 U	5 U	5 U	5 U
8/17/2017	5 U	5 U	5 U	1.3 J	5 U	5 U	5 U
2/15/2018	5 U	5 U	5 U	0.83 J	5 U	5 U	5 U
8/2/2018	5 U	5 U	5 U	2 U	5 U	5 U	5 U
2/5/2019	5 U	5 U	5 U	2 U	5 U	5 U	5 U
8/21/2019	5 U	5 U	5 U	1 U	5 U	5 U	5 U
2/24/2020	5 U	5 U	5 U	1 U	5 U	5 U	5 U

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Table 2
Summary of Volatile Organic Compounds
Taylor's 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
Standard	2.0	5.0	10.0	20.0	5.0	5.0	5.0
MW-3S							
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
2/20/2012	5.0 U	5.0 U	1.5 J	7.1 J	5.0 U	5.0 U	5.0 U
8/30/2012	5.0 U	5.0 U	1.5 J	8.0 U	5.0 U	5.0 U	5.0 U
2/19/2013	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	5.0 U	5.0 U
8/14/2013	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	5.0 U	5.0 U
2/26/2014	5.0 U	5.0 U	5 U	20 U	5.0 U	5 U	5.0 U
10/2/2014	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 U
2/24/2015	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 U
8/6/2015	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 U
3/9/2016	5 U	5 U	5 U	2 U	5 U	5 U	5 U
8/12/2016	5 U	5 U	5 U	2 U	5 U	5 U	5 U
2/1/2017	5 U	5 U	5 U	2 U	5 U	5 U	5 U
8/17/2017	5 U	5 U	5 U	10 U	5 U	5 U	5 U
2/15/2018	5 U	5 U	5 U	2 U	5 U	5 U	5 U
8/2/2018	5 U	5 U	5 U	2 U	5 U	5 U	5 U
2/5/2019	5 U	5 U	5 U	2 U	5 U	5 U	5 U
8/21/2019	5 U	5 U	5 U	2.9	5 U	5 U	5 U
2/24/2020	5 U	5 U	5 U	2 U	5 U	5 U	5 U
MW-3D							
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
2/20/2012	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	5.0 U	5.0 U
8/30/2012	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	5.0 U	5.0 U
2/19/2013	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	5.0 U	5.0 U
8/14/2013	5.0 U	5.0 U	5.0 U	8.0 U	5.0 U	5.0 U	5.0 U
2/26/2014	5.0 U	5.0 U	5 U	20 U	5.0 U	5 U	5.0 U
10/2/2014	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 U
2/24/2015	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 U
8/6/2015	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 U
3/9/2016	5 U	5 U	5 U	2 U	5 U	5 U	5 U
8/12/2016	5 U	5 U	5 U	2 U	5 U	5 U	5 U
2/1/2017	5 U	5 U	5 U	2 U	5 U	5 U	5 U
8/17/2017	5 U	5 U	5 U	0.62 J	5 U	5 U	5 U
2/15/2018	5 U	5 U	5 U	2 U	5 U	5 U	5 U
8/2/2018	5 U	5 U	5 U	2 U	5 U	5 U	5 U
2/5/2019	5 U	5 U	5 U	2 U	5 U	5 U	5 U
8/21/2019	5 U	5 U	5 U	7.9	5 U	5 U	5 U
2/24/2020	5 U	5 U	5 U	2 U	5 U	5 U	5 U

U - Compound not detected.

J - Estimated value, less than detection limit.

E - Concentrations exceed the calibration range.

Cal-E - The value is estimated due to its behavior during initial calibration.

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

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

Well ID	Date	Temp. (C)	pH (S.U.)	Eh (mv)	Specific Conductance (μS)
MW-1S	5/22/1997	15.1	6.82	0.8	720
	11/14/1997	12.8	6.64	102.5	904
	5/19/1998	17.1	5.63	73.4	700
	11/5/1998	16.5	6.08	48.6	800
	5/25/1999	14.9	6.22	33.3	800
	11/18/1999	14.4	6.12	50.5	720
	6/28/2000	18.1	6.53	11.0	700
	11/15/2000	11.3	6.10	-45.8	600
	6/20/2001	17.8	6.40	24.4	560
	11/29/2001	13.2	5.91	50.4	455
	6/26/2002	17.1	6.24	38.2	550
	11/19/2002	12.9	6.29	21.1	768
	6/24/2003	14.5	6.21	68.5	941
	11/17/2003	13.5	6.46	18.5	866
	6/21/2004	14.9	6.13	49.1	800
	11/22/2004	13.7	6.70	19.2	655
	6/22/2005	15.9	6.97	15.7	880
	11/22/2005	11.3	6.86	4.9	945
	7/5/2006	13.8	6.68	18.4	302
	11/27/2006	14.1	6.94	20.2	249
	6/27/2007	16.7	6.87	15.3	969
	1/9/2008	12.5	7.29	103.4	106
	7/23/2008	14.8	7.13	-134.1	1255
	2/20/2009	10.1	6.83	-123.8	1151
	8/27/2009	21.4	7.41	-180.1	963
	2/25/2010	9.8	7.43	-136.3	666
	8/26/2010	16.0	7.17	-62.9	1001
	2/23/2011	13.0	7.74	-16.8	975
	8/2/2011	18.9	6.69	-10.9	914
	2/20/2012	13.0	6.72	-12.2	197
	8/30/2012	15.3	6.78	-11.8	1047
	2/19/2013	11.4	7.29	-38.8	779
	8/14/2013	15.0	7.25	-20.3	840
	2/26/2014	8.7	7.42	-48.8	1333
	10/2/2014	15.0	7.27	-37.0	384
	2/24/2015	8.0	7.68	-59.6	383
	8/6/2015	14.5	7.64	-23.5	335
	3/9/2016	13.9	7.18	-32.4	1037
	8/12/2016	19.3	7.49	-53.2	868
	2/1/2017	9.8	7.96	-78.0	884
	8/17/2017	14.8	7.45	-63.7	927
	2/15/2018	10.8	7.71	-76.4	415
	8/2/2018	16.1	7.74	-92.5	994
	2/5/2019	11.0	7.91	-105.3	1421
	8/21/2019	18.1	7.75	-95.7	1220
	2/24/2020	12.1	7.99	-103.6	1165

Notes:

(μS): Units of Conductivity (micro Siemens)

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

Well ID	Date	Temp. (C)	pH (S.U.)	Eh (mv)	Specific Conductance (μ S)
MW-1D	5/22/1997	16.0	6.72	4.7	430
	11/14/1997	11.4	7.41	82.0	596
	5/19/1998	18.6	7.19	-10.8	448
	11/5/1998	16.2	7.05	-26.2	600
	5/25/1999	17.5	6.32	28.6	449
	11/18/1999	12.8	7.88	-44.5	550
	6/28/2000	18.9	8.08	-79.3	500
	11/15/2000	12.2	7.78	-39.3	420
	6/20/2001	18.1	8.12	-73.8	540
	11/29/2002	13.0	7.25	-39.6	450
	6/26/2002	17.8	7.82	-48.9	450
	11/19/2002	12.6	7.64	-56.9	486
	6/24/2003	14.9	8.06	-23.2	573
	11/17/2003	12.0	8.20	-80.1	465
	6/21/2004	13.5	7.86	-48.1	513
	11/22/2004	12.9	7.49	-23.3	395
	6/22/2005	17.6	7.30	-56.6	464
	11/22/2005	9.9	7.22	-14.7	486
	7/5/2006	15.6	7.67	-33.7	586
	11/27/2006	13.7	7.66	-40.7	301
	6/27/2007	17.0	7.34	-18.0	585
	1/9/2008	12.5	7.16	-52.7	601
	7/23/2008	15.1	7.67	-179.6	624
	2/20/2009	11.1	7.19	-37.8	597
	8/27/2009	22.7	7.71	13.6	540
	2/25/2010	9.8	7.84	60.4	391
	8/26/2010	16.4	7.65	199.9	541
	2/23/2011	14.3	8.46	-53.1	658
	8/2/2011	16.9	7.61	-56.5	666
	2/20/2012	13.6	7.52	-54.0	777
	8/30/2012	16.5	7.50	-55.4	713
	2/19/2013	11.4	7.63	-60.8	800
	8/14/2013	15.8	7.48	-58.6	790
	2/26/2014	7.1	7.35	-72.2	884
	10/2/2014	14.1	7.44	-50.0	392
	2/24/2015	11.6	7.73	-65.5	351
	8/6/2015	14.8	7.88	-23.5	333
	3/9/2016	14.4	7.72	-66.0	1022
	8/12/2016	16.9	7.82	-73.7	924
	2/1/2017	10.1	8.18	-92.6	882
	8/17/2017	14.4	7.81	-83.4	921
	2/15/2018	11.1	8.08	-96.3	411
	8/2/2018	19.8	8.16	-115.2	7.66ms
	2/5/2019	12.1	8.26	-118.6	1061
	8/21/2019	17.5	8.40	-126.3	1060
	2/24/2020	13.6	8.45	-126.6	976

Notes:

(μ S): Units of Conductivity (micro Siemens)

ATTACHMENT 1

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

Well ID	Date	Temp. (C)	pH (S.U.)	Eh (mv)	Specific Conductance (µS)
MW-2S	5/22/1997	12.7	6.93	-7.0	550
	11/14/1997	15.9	7.00	36.5	932
	5/19/1998	14.3	7.34	-15.0	472
	11/5/1998	16.0	6.91	2.0	750
	5/25/1999	13.6	6.50	17.1	700
	11/18/1999	13.7	7.13	-5.8	803
	6/28/2000	17.5	7.39	-39.0	700
	11/15/2000	11.9	6.80	-9.3	600
	6/20/2001	17.8	7.29	-27.9	560
	11/29/2001	13.3	6.52	15.7	570
	6/26/2002	17.8	7.19	-13.5	570
	11/19/2002	13.2	7.15	-27.8	771
	6/24/2003	13.9	7.37	9.7	895
	11/17/2003	13.4	7.33	-28.2	762
	6/21/2004	12.8	6.99	0.7	471
	11/22/2004	12.9	7.04	1.7	672
	6/22/2005	13.6	7.07	-9.4	817
	11/22/2005	11.3	7.12	-9.1	805
	7/5/2006	14.5	7.15	-5.5	214
	11/27/2006	13.7	7.10	-8.0	326
	6/27/2007	15.4	7.03	-5.1	1034
	1/9/2008	12.5	7.14	-94.8	1100
	7/23/2008	14.6	7.00	-114.6	1176
	2/20/2009	9.4	6.70	-110.7	1135
	8/27/2009	17.3	7.17	-141.0	993
	2/25/2010	11.1	7.38	-102.8	730
	8/26/2010	15.6	6.81	-24.7	998
	2/23/2011	11.7	7.98	-31.0	990
	8/2/2011	16.5	7.31	-40.9	987
	2/20/2012	11.9	7.21	-34.9	668
	8/30/2012	15.1	7.23	-36.7	1167
	2/19/2013	11.3	7.42	-48.5	783
	8/14/2013	14.9	7.38	-42.1	850
	2/26/2014	NA	NA	NA	NA
	10/2/2014	14.3	7.29	-37.9	239
	2/24/2015	8.3	7.49	-52.4	385
	8/6/2015	13.5	7.09	-28.5	343
	3/9/2016	12.4	7.26	-36.6	1119
	8/12/2016	15.3	7.60	-61.1	1013
	2/1/2017	9.6	7.88	-73.4	681
	8/17/2017	14.5	7.52	-66.4	945
	2/15/2018	10.9	7.76	-79.2	497
	8/2/2018	15.3	7.85	-98.9	1009
	2/5/2019	10.6	7.97	-103.7	1107
	8/21/2019	17.2	8.03	-108.2	1091
	2/24/2020	12.4	8.15	-112.5	1379

Notes:

(µS): Units of Conductivity (micro Siemens)

ATTACHMENT 1

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

Well ID	Date	Temp. (C)	pH (S.U.)	Eh (mv)	Specific Conductance (μ S)
MW-2D	5/22/1997	13.5	7.16	-22.5	320
	11/14/1997	13.8	7.47	1.6	502
	5/19/1998	15.7	7.32	-20.8	322
	11/5/1998	15.4	7.28	-19.3	330
	5/25/1999	14.9	6.76	1.4	340
	11/18/1999	12.7	7.91	-48.0	500
	6/28/2000	16.2	7.78	-58.3	370
	11/15/2001	12.1	7.58	-3.2	330
	6/20/2001	15.3	7.86	-60.8	540
	11/29/2001	11.3	6.83	-1.7	320
	6/26/2002	16.2	7.67	-37.8	390
	11/19/2002	12.3	7.47	-48.3	450
	6/24/2003	14.1	7.83	-12.9	564
	11/17/2003	12.1	7.77	-53.5	483
	6/21/2004	13.7	7.66	-36.6	523
	11/22/2004	12.9	7.46	-21.9	412
	6/22/2005	15.7	7.27	-21.4	513
	11/22/2005	10.5	7.07	-6.4	537
	7/5/2006	13.5	7.13	-6.7	679
	11/27/2006	13.1	7.63	-37.6	378
	6/27/2007	15.4	7.21	-28.4	671
	1/9/2008	12.5	7.13	-109.4	680
	7/23/2008	14.4	7.31	-126.3	634
	2/20/2009	9.6	7.10	-93.5	1084
	8/27/2009	18.6	7.77	9.5	528
	2/25/2010	11.1	7.92	35.7	384
	8/26/2010	15.4	7.76	167.7	577
	2/23/2011	11.6	8.25	-44.8	655
	8/2/2011	16.9	7.55	-56.6	731
	2/20/2012	11.6	7.15	-30.7	720
	8/30/2012	15.3	7.13	-38.4	758
	2/19/2013	12.6	7.92	-79.5	860
	8/14/2013	15.5	7.62	-60.8	762
	2/26/2014	9.2	7.92	-78.0	920
	10/2/2014	13.6	7.48	-51.9	244
	2/24/2015	9.0	7.83	-71.5	376
	8/6/2015	14.5	7.56	-56.5	334
	3/9/2016	13.4	7.75	-67.9	1090
	8/12/2016	15.1	8.17	-89.3	1009
	2/1/2017	9.6	8.22	-93.9	659
	8/17/2017	13.9	7.96	-90.8	970
	2/15/2018	10.8	7.75	-104.6	479
	8/2/2018	15.6	8.12	-115.0	987
	2/5/2019	11.0	8.41	-127.4	1091
	8/21/2019	17.0	8.47	-130.3	1093
	2/24/2020	12.5	8.59	-135.8	953

Notes:

(μ S): Units of Conductivity (micro Siemens)

ATTACHMENT 1

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

Well ID	Date	Temp. (C)	pH (S.U.)	Eh (mv)	Specific Conductance (μ S)
MW-3S	5/22/1997	13.2	7.18	-16.5	700
	11/14/1997	16.9	6.72	-5.8	1072
	5/19/1998	15.7	6.95	9.4	800
	11/5/1998	13.5	6.59	17.2	850
	5/25/1999	13.5	6.31	25.9	900
	11/18/2001	12.6	6.61	23.8	850
	6/28/2000	17.5	6.44	-37.1	900
	11/15/2001	12.4	7.10	-29.9	700
	6/20/2001	15.1	6.24	44.1	570
	11/29/2002	13.3	5.62	64.3	570
	6/26/2002	16.9	6.81	9.2	570
	11/19/2002	13.5	6.52	7.9	789
	6/24/2003	13.3	6.75	40.8	1054
	11/17/2003	13.1	7.65	-64.0	564
	6/21/2004	12.1	6.47	29.8	911
	11/22/2004	13.0	6.63	23.6	768
	6/22/2005	12.6	6.48	24.2	996
	11/22/2005	10.8	6.74	11.6	967
	7/5/2006	12.6	6.77	14.2	547
	11/27/2006	13.5	6.85	7.0	346
	6/27/2007	13.6	6.92	9.2	370
	1/9/2008	12.8	6.98	-21.5	1310
	7/23/2008	15.5	6.45	-39.2	1367
	2/20/2009	7.9	5.81	-13.8	1397
	8/27/2009	19.0	6.57	-40.5	1036
	2/25/2010	11.1	7.53	-10.2	802
	8/26/2010	15.9	6.76	-7.1	1116
	2/23/2011	10.6	7.18	16.3	969
	8/2/2011	14.7	6.36	5.1	1069
	2/20/2012	11.0	6.31	6.2	718
	8/30/2012	13.5	6.35	4.2	725
	2/19/2013	12.2	6.57	-7.3	786
	8/14/2013	14.2	6.48	-6.1	735
	2/26/2014	9.0	6.68	-2.1	1448
	10/2/2014	13.3	7.10	-18.3	395
	2/24/2015	7.3	7.00	-22.7	398
	8/6/2015	14.0	6.75	-7.7	339
	3/9/2016	14.4	6.56	-4.6	1059
	8/12/2016	15.0	6.61	-9.9	1008
	2/1/2017	9.3	7.33	-38.4	944
	8/17/2017	14.1	7.73	-24.4	965
	2/15/2018	10.8	7.28	-31.5	594
	8/2/2018	16.1	7.32	-67.5	9.89us
	2/5/2019	10.4	7.13	-60.4	1116
	8/21/2019	17.3	8.58	-51.7	1560
	2/24/2020	11.9	7.71	-90.3	1234

Notes:

(μ S): Units of Conductivity (micro Siemens)

ATTACHMENT 1

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

Well ID	Date	Temp. (C)	pH (S.U.)	Eh (mv)	Specific Conductance (μ S)
MW-3D	5/22/1997	14.0	6.94	-11.2	620
	11/14/1997	16.2	7.02	-46.2	1074
	5/19/1998	15.6	7.85	-30.8	725
	11/5/1998	13.3	7.01	-3.7	900
	5/25/1999	13.8	6.52	6.2	900
	11/18/1999	11.9	7.30	-12.4	800
	6/28/2000	17.2	7.24	-30.8	900
	11/15/2000	13.1	6.29	-36.6	362
	6/20/2001	15.8	7.76	-174.7	570
	11/29/2002	12.7	6.36	41.8	570
	6/26/2002	16.7	7.20	-15.5	570
	11/19/2002	12.5	7.11	-25.7	880
	6/24/2003	13.6	7.31	15.1	1039
	11/17/2003	11.9	7.46	-33.5	729
	6/21/2004	14.0	7.17	-8.3	319
	11/22/2004	12.3	7.15	-3.4	766
	6/22/2005	15.6	6.62	17.2	900
	11/22/2005	9.4	6.92	2.4	1005
	7/5/2006	9.4	6.92	2.4	1005
	11/27/2006	12.8	7.20	-13.2	462
	6/27/2007	15.6	7.17	-10.4	1126
	1/9/2008	12.5	7.18	14.9	1280
	7/23/2008	14.6	6.71	-13.8	1408
	2/20/2009	8.2	6.07	-41.8	1377
	8/27/2009	17.7	6.76	183.6	1031
	2/25/2010	10.6	7.33	74.6	809
	8/26/2010	15.5	6.88	220.2	1123
	2/23/2011	11.0	7.37	4.1	1015
	8/2/2011	18.5	6.30	8.9	1071
	2/20/2012	10.6	6.62	5.5	884
	8/30/2012	14.2	6.70	6.2	1179
	2/19/2013	10.3	6.55	2.0	887
	8/14/2013	14.5	6.68	3.2	950
	2/26/2014	9.4	6.76	-12.9	1437
	10/2/2014	13.2	7.00	-25.1	397
	2/24/2015	7.9	7.14	-29.2	391
	8/6/2015	12.6	7.16	-51.5	343
	3/9/2016	12.2	6.67	-8.7	1115
	8/12/2016	14.5	7.08	-26.8	1084
	2/1/2017	9.4	7.39	-42.6	1007
	8/17/2017	13.5	7.89	-33.1	987
	2/15/2018	10.3	7.11	-43.0	549
	8/2/2018	15.4	7.30	-68.1	1039
	2/5/2019	10.8	7.38	-71.8	1104
	8/21/2019	17.2	8.69	-62.3	1625
	2/24/2020	12.9	7.97	-102.4	1383

Notes:

(μ S): Units of Conductivity (micro Siemens)

Attachment 2

Laboratory Results



Technical Report

prepared for:

Zion Environmental, LLC
PO Box 162
Otisville NY, 10940
Attention: Brian Nichols

Report Date: 03/13/2020

Client Project ID: Village of Mamaroneck
York Project (SDG) No.: 20B0903

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 03/13/2020
Client Project ID: Village of Mamaroneck
York Project (SDG) No.: 20B0903

Zion Environmental, LLC
PO Box 162
Otisville NY, 10940
Attention: Brian Nichols

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 February 25, 2020 with a temperature of 2.0 C. 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 Sample and Analysis Qualifiers 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 Sample and Data Qualifiers Relating to This Work Order section of 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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
20B0903-01	MW-1D @ 0925	Water	02/24/2020	02/25/2020
20B0903-02	MW-1S @ 0930	Water	02/24/2020	02/25/2020
20B0903-03	MW-2D @ 1015	Water	02/24/2020	02/25/2020
20B0903-04	MW-2S @ 1010	Water	02/24/2020	02/25/2020
20B0903-05	MW-3D @ 1128	Water	02/24/2020	02/25/2020
20B0903-06	MW-3S @ 1135	Water	02/24/2020	02/25/2020
20B0903-07	Trip Blank-01	Water	02/24/2020	02/25/2020

General Notes for York Project (SDG) No.: 20B0903

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 analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:



Date: 03/13/2020

Benjamin Gulizia
Laboratory Director





Sample Information

Client Sample ID: MW-1D @ 0925

York Sample ID: 20B0903-01

York Project (SDG) No.
20B0903

Client Project ID
Village of Mamaroneck

Matrix
Water

Collection Date/Time
February 24, 2020 9:25 am

Date Received
02/25/2020

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/28/2020 12:30	02/29/2020 07:01	AB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:01	AB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:01	AB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:01	AB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:01	AB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:01	AB



Sample Information

Client Sample ID: MW-1D @ 0925

York Sample ID: 20B0903-01

York Project (SDG) No.

20B0903

Client Project ID
Village of Mamaroneck

Matrix

Water

Collection Date/Time

February 24, 2020 9:25 am

Date Received

02/25/2020

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:01	AB
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:01	AB
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:01	AB
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:01	AB
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:01	AB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB



Sample Information

<u>Client Sample ID:</u> MW-1D @ 0925	<u>York Sample ID:</u> 20B0903-01
<u>York Project (SDG) No.</u> 20B0903	<u>Client Project ID</u> Village of Mamaroneck

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst		
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB		
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB		
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB		
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:01	AB		
Surrogate Recoveries		Result	Acceptance Range										
17060-07-0	<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	95.0 %			69-130								
2037-26-5	<i>Surrogate: SURR: Toluene-d8</i>	92.6 %			81-117								
460-00-4	<i>Surrogate: SURR: p-Bromofluorobenzene</i>	96.4 %			79-122								

Volatile Organics, tert-Butyl Alcohol

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAE	02/28/2020 12:30	02/29/2020 07:01	AB		
Surrogate Recoveries		Result	Acceptance Range										
17060-07-0	<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	95.0 %			69-130								
460-00-4	<i>Surrogate: SURR: p-Bromofluorobenzene</i>	96.4 %			79-122								
2037-26-5	<i>Surrogate: SURR: Toluene-d8</i>	92.6 %			81-117								

Arsenic by EPA 6010

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.0167	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:11	KML

Cadmium by EPA 6010

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE www.YORKLAB.com	STRATFORD, CT 06615 (203) 325-1371				■		132-02 89th AVENUE FAX (203) 357-0166		RICHMOND HILL, NY 11418 ClientServices@yorklab.com	



Sample Information

Client Sample ID: MW-1D @ 0925

York Sample ID: 20B0903-01

York Project (SDG) No.
20B0903

Client Project ID
Village of Mamaroneck

Matrix
Water

Collection Date/Time
February 24, 2020 9:25 am

Date Received
02/25/2020

Cadmium by EPA 6010

Sample Prepared by Method: EPA 3015A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:11	KML

Copper by EPA 6010

Sample Prepared by Method: EPA 3015A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:11	KML

Lead by EPA 6010

Sample Prepared by Method: EPA 3015A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:11	KML

Zinc by EPA 6010

Sample Prepared by Method: EPA 3015A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:11	KML

Mercury by 7470/7471

Sample Prepared by Method: EPA SW846-7470A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2020 14:30	02/25/2020 14:30	STN

Sample Information

Client Sample ID: MW-1S @ 0930

York Sample ID: 20B0903-02

York Project (SDG) No.
20B0903

Client Project ID
Village of Mamaroneck

Matrix
Water

Collection Date/Time
February 24, 2020 9:30 am

Date Received
02/25/2020

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615		■		132-02 89th AVENUE			RICHMOND HILL, NY 11418			
www.YORKLAB.com	(203) 325-1371				FAX (203) 357-0166			ClientServices@yorklab.com			



Sample Information

Client Sample ID: MW-1S @ 0930

York Sample ID: 20B0903-02

York Project (SDG) No.
20B0903

Client Project ID
Village of Mamaroneck

Matrix
Water

Collection Date/Time
February 24, 2020 9:30 am

Date Received
02/25/2020

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/28/2020 12:30	02/29/2020 07:29	AB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	02/28/2020 12:30	02/29/2020 07:29	AB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	02/28/2020 12:30	02/29/2020 07:29	AB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	02/28/2020 12:30	02/29/2020 07:29	AB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	02/28/2020 12:30	02/29/2020 07:29	AB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	02/28/2020 12:30	02/29/2020 07:29	AB
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB



Sample Information

Client Sample ID: MW-1S @ 0930

York Sample ID:

20B0903-02

York Project (SDG) No.

20B0903

Client Project ID

Village of Mamaroneck

Matrix

Water

Collection Date/Time

February 24, 2020 9:30 am

Date Received

02/25/2020

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:29	AB
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:29	AB
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:29	AB
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:29	AB
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:29	AB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB



Sample Information

Client Sample ID: MW-1S @ 0930

York Sample ID: 20B0903-02

York Project (SDG) No.
20B0903

Client Project ID
Village of Mamaroneck

Matrix
Water

Collection Date/Time
February 24, 2020 9:30 am

Date Received
02/25/2020

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB		
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB		
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB		
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:29	AB		
Surrogate Recoveries		Result	Acceptance Range										
17060-07-0	<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	93.1 %			69-130								
2037-26-5	<i>Surrogate: SURR: Toluene-d8</i>	88.0 %			81-117								
460-00-4	<i>Surrogate: SURR: p-Bromofluorobenzene</i>	95.7 %			79-122								

Volatile Organics, tert-Butyl Alcohol

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAE	02/28/2020 12:30	02/29/2020 07:29	AB		
Surrogate Recoveries		Result	Acceptance Range										
17060-07-0	<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	93.1 %			69-130								
460-00-4	<i>Surrogate: SURR: p-Bromofluorobenzene</i>	95.7 %			79-122								
2037-26-5	<i>Surrogate: SURR: Toluene-d8</i>	88.0 %			81-117								

Arsenic by EPA 6010

Sample Prepared by Method: EPA 3015A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.0167	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:14	KML

Cadmium by EPA 6010

Sample Prepared by Method: EPA 3015A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:14	KML



Sample Information

Client Sample ID: MW-1S @ 0930

York Sample ID: 20B0903-02

York Project (SDG) No.
20B0903

Client Project ID
Village of Mamaroneck

Matrix
Water

Collection Date/Time
February 24, 2020 9:30 am

Date Received
02/25/2020

Copper by EPA 6010

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	0.0670		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:14	KML

Lead by EPA 6010

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	0.142		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:14	KML

Zinc by EPA 6010

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	0.216		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:14	KML

Mercury by 7470/7471

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2020 14:30	02/25/2020 14:30	STN

Sample Information

Client Sample ID: MW-2D @ 1015

York Sample ID: 20B0903-03

York Project (SDG) No.
20B0903

Client Project ID
Village of Mamaroneck

Matrix
Water

Collection Date/Time
February 24, 2020 10:15 am

Date Received
02/25/2020

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB



Sample Information

<u>Client Sample ID:</u> MW-2D @ 1015	<u>York Sample ID:</u> 20B0903-03
<u>York Project (SDG) No.</u> 20B0903	<u>Client Project ID</u> Village of Mamaroneck
	<u>Matrix</u> Water
	<u>Collection Date/Time</u> February 24, 2020 10:15 am
	<u>Date Received</u> 02/25/2020

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	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	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/28/2020 12:30	02/29/2020 07:58	AB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:58	AB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJI	02/28/2020 12:30	02/29/2020 07:58	AB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:58	AB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:58	AB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:58	AB
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:58	AB
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:58	AB



Sample Information

<u>Client Sample ID:</u> MW-2D @ 1015	<u>York Sample ID:</u> 20B0903-03
<u>York Project (SDG) No.</u> 20B0903	<u>Client Project ID</u> Village of Mamaroneck
	<u>Matrix</u> Water
	<u>Collection Date/Time</u> February 24, 2020 10:15 am
	<u>Date Received</u> 02/25/2020

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:58	AB
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:58	AB
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 12:30	02/29/2020 07:58	AB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB



Sample Information

Client Sample ID: MW-2D @ 1015

York Sample ID: 20B0903-03

York Project (SDG) No.
20B0903

Client Project ID
Village of Mamaroneck

Matrix
Water

Collection Date/Time
February 24, 2020 10:15 am

Date Received
02/25/2020

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 12:30	02/29/2020 07:58	AB
Surrogate Recoveries											
17060-07-0 <i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>											
94.5 % 69-130											
2037-26-5 <i>Surrogate: SURR: Toluene-d8</i>											
95.7 % 81-117											
460-00-4 <i>Surrogate: SURR: p-Bromofluorobenzene</i>											
87.1 % 79-122											

Volatile Organics, tert-Butyl Alcohol

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAE	02/28/2020 12:30	02/29/2020 07:58	AB
Surrogate Recoveries											
17060-07-0 <i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>											
94.5 % 69-130											
460-00-4 <i>Surrogate: SURR: p-Bromofluorobenzene</i>											
87.1 % 79-122											
2037-26-5 <i>Surrogate: SURR: Toluene-d8</i>											
95.7 % 81-117											

Arsenic by EPA 6010

Sample Prepared by Method: EPA 3015A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.0167	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:17	KML

Cadmium by EPA 6010

Sample Prepared by Method: EPA 3015A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:17	KML

Copper by EPA 6010

Sample Prepared by Method: EPA 3015A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:17	KML



Sample Information

Client Sample ID: MW-2D @ 1015 York Sample ID: 20B0903-03

York Project (SDG) No. 20B0903 Client Project ID Village of Mamaroneck Matrix Water Collection Date/Time February 24, 2020 10:15 am Date Received 02/25/2020

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:17	KML

Zinc by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:17	KML

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2020 14:30	02/25/2020 14:30	STN

Sample Information

Client Sample ID: MW-2S @ 1010 York Sample ID: 20B0903-04

York Project (SDG) No. 20B0903 Client Project ID Village of Mamaroneck Matrix Water Collection Date/Time February 24, 2020 10:10 am Date Received 02/25/2020

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB



Sample Information

Client Sample ID: MW-2S @ 1010 **York Sample ID:** 20B0903-04

York Project (SDG) No. 20B0903 **Client Project ID** Village of Mamaroneck **Matrix** Water **Collection Date/Time** February 24, 2020 10:10 am **Date Received** 02/25/2020

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/02/2020 07:30	03/02/2020 16:38	AB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	03/02/2020 07:30	03/02/2020 16:38	AB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	03/02/2020 07:30	03/02/2020 16:38	AB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	03/02/2020 07:30	03/02/2020 16:38	AB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	03/02/2020 07:30	03/02/2020 16:38	AB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	03/02/2020 07:30	03/02/2020 16:38	AB
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	03/02/2020 07:30	03/02/2020 16:38	AB
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	03/02/2020 07:30	03/02/2020 16:38	AB
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB



Sample Information

Client Sample ID: MW-2S @ 1010

York Sample ID:

20B0903-04

York Project (SDG) No.

20B0903

Client Project ID

Village of Mamaroneck

Matrix

Water

Collection Date/Time

February 24, 2020 10:10 am

Date Received

02/25/2020

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	03/02/2020 07:30	03/02/2020 16:38	AB
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	03/02/2020 07:30	03/02/2020 16:38	AB
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	03/02/2020 07:30	03/02/2020 16:38	AB
1634-04-4	Methyl tert-butyl ether (MTBE)	3.1	J	ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/02/2020 07:30	03/02/2020 16:38	AB

Surrogate Recoveries

Result

Acceptance Range

17060-07-0 *Surrogate: SURL:
1,2-Dichloroethane-d4*

104 %

69-130



Sample Information

<u>Client Sample ID:</u> MW-2S @ 1010	<u>York Sample ID:</u> 20B0903-04
<u>York Project (SDG) No.</u> 20B0903	<u>Client Project ID</u> Village of Mamaroneck
	<u>Matrix</u> Water

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Surr: Toluene-d8	95.4 %			81-117						
460-00-4	Surrogate: Surr: p-Bromofluorobenzene	98.4 %			79-122						

Volatile Organics, tert-Butyl Alcohol

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	8.2	J	ug/L	0.50	10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAE	03/02/2020 07:30	03/02/2020 16:38	AB
Surrogate Recoveries											
Result Acceptance Range											
17060-07-0	Surrogate: Surr: 1,2-Dichloroethane-d4	104 %			69-130						
460-00-4	Surrogate: Surr: p-Bromofluorobenzene	98.4 %			79-122						
2037-26-5	Surrogate: Surr: Toluene-d8	95.4 %			81-117						

Arsenic by EPA 6010

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.0167	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:26	KML

Cadmium by EPA 6010

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:26	KML

Copper by EPA 6010

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:26	KML

Lead by EPA 6010

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	0.0133		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:26	KML



Sample Information

Client Sample ID: MW-2S @ 1010

York Sample ID: 20B0903-04

York Project (SDG) No.
20B0903

Client Project ID
Village of Mamaroneck

Matrix
Water

Collection Date/Time
February 24, 2020 10:10 am

Date Received
02/25/2020

Zinc by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	0.0545		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:26	KML

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2020 14:30	02/25/2020 14:30	STN

Sample Information

Client Sample ID: MW-3D @ 1128

York Sample ID: 20B0903-05

York Project (SDG) No.
20B0903

Client Project ID
Village of Mamaroneck

Matrix
Water

Collection Date/Time
February 24, 2020 11:28 am

Date Received
02/25/2020

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/28/2020 07:30	02/29/2020 07:16	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 07:16	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 07:16	SS



Sample Information

<u>Client Sample ID:</u> MW-3D @ 1128	<u>York Sample ID:</u> 20B0903-05
<u>York Project (SDG) No.</u> 20B0903	<u>Client Project ID</u> Village of Mamaroneck
	<u>Matrix</u> Water
	<u>Collection Date/Time</u> February 24, 2020 11:28 am
	<u>Date Received</u> 02/25/2020

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 07:16	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 07:16	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 07:16	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 07:16	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 07:16	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS



Sample Information

Client Sample ID: MW-3D @ 1128

York Sample ID: 20B0903-05

York Project (SDG) No.
20B0903

Client Project ID
Village of Mamaroneck

Matrix
Water

Collection Date/Time
February 24, 2020 11:28 am

Date Received
02/25/2020

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 07:16	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 07:16	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 07:16	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:16	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.4 %	69-130
2037-26-5	Surrogate: SURR: Toluene-d8	104 %	81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %	79-122

Volatile Organics, tert-Butyl Alcohol

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: MW-3D @ 1128

York Sample ID: 20B0903-05

York Project (SDG) No.
20B0903

Client Project ID
Village of Mamaroneck

Matrix
Water

Collection Date/Time
February 24, 2020 11:28 am

Date Received
02/25/2020

Volatile Organics, tert-Butyl Alcohol

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAE	02/28/2020 07:30	02/29/2020 07:16	SS
Surrogate Recoveries											
Surrogate: SURR: 1,2-Dichloroethane-d4											
17060-07-0 Surrogate: SURR: 108 %											
460-00-4 Surrogate: SURR: p-Bromofluorobenzene											
2037-26-5 Surrogate: SURR: Toluene-d8											
104 %											
81-117											

Arsenic by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.0167	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:29	KML

Cadmium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:29	KML

Copper by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:29	KML

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:29	KML

Zinc by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	0.319		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2020 10:49	03/02/2020 12:29	KML



Sample Information

Client Sample ID: MW-3D @ 1128

York Sample ID: 20B0903-05

York Project (SDG) No.

20B0903

Client Project ID
Village of Mamaroneck

Matrix

Water

Collection Date/Time

February 24, 2020 11:28 am

Date Received

02/25/2020

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2020 14:30	02/25/2020 14:30	STN

Sample Information

Client Sample ID: MW-3S @ 1135

York Sample ID: 20B0903-06

York Project (SDG) No.

20B0903

Client Project ID
Village of Mamaroneck

Matrix

Water

Collection Date/Time

February 24, 2020 11:35 am

Date Received

02/25/2020

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/28/2020 07:30	02/29/2020 07:46	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 07:46	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 07:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 07:46	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS



Sample Information

<u>Client Sample ID:</u> MW-3S @ 1135	<u>York Sample ID:</u> 20B0903-06
<u>York Project (SDG) No.</u> 20B0903	<u>Client Project ID</u> Village of Mamaroneck
	<u>Matrix</u> Water
	<u>Collection Date/Time</u> February 24, 2020 11:35 am
	<u>Date Received</u> 02/25/2020

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 07:46	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 07:46	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 07:46	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 07:46	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS



Sample Information

Client Sample ID: MW-3S @ 1135

York Sample ID: 20B0903-06

York Project (SDG) No.

20B0903

Client Project ID

Village of Mamaroneck

Matrix

Water

Collection Date/Time

February 24, 2020 11:35 am

Date Received

02/25/2020

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJ	02/28/2020 07:30	02/29/2020 07:46	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJ	02/28/2020 07:30	02/29/2020 07:46	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJ	02/28/2020 07:30	02/29/2020 07:46	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.9 %	69-130
2037-26-5	Surrogate: Toluene-d8	104 %	81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %	79-122

Volatile Organics, tert-Butyl Alcohol

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 07:46	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.9 %			69-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %			79-122						



Sample Information

Client Sample ID: MW-3S @ 1135 York Sample ID: 20B0903-06

York Project (SDG) No. 20B0903 Client Project ID Village of Mamaroneck Matrix Water Collection Date/Time February 24, 2020 11:35 am Date Received 02/25/2020

Volatile Organics, tert-Butyl Alcohol

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: SURR: Toluene-d8	104 %			81-117						

Arsenic by EPA 6010

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.0167	1	EPA 6010D	03/02/2020 10:49	03/02/2020 12:32	KML

Cadmium by EPA 6010

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	03/02/2020 10:49	03/02/2020 12:32	KML

Copper by EPA 6010

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	0.0419		mg/L	0.0222	1	EPA 6010D	03/02/2020 10:49	03/02/2020 12:32	KML

Lead by EPA 6010

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	03/02/2020 10:49	03/02/2020 12:32	KML

Zinc by EPA 6010

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	0.0899		mg/L	0.0278	1	EPA 6010D	03/02/2020 10:49	03/02/2020 12:32	KML

Mercury by 7470/7471

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	02/25/2020 14:30	02/25/2020 14:30	STN



Sample Information

Client Sample ID: Trip Blank-01

York Sample ID: 20B0903-07

York Project (SDG) No.
20B0903

Client Project ID
Village of Mamaroneck

Matrix
Water

Collection Date/Time
February 24, 2020 12:00 am

Date Received
02/25/2020

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 01:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 01:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 01:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 01:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 01:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 01:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 01:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/28/2020 07:30	02/29/2020 01:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 01:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJI	02/28/2020 07:30	02/29/2020 01:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 01:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 01:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 01:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 01:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 01:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 01:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 01:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 01:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 01:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	02/28/2020 07:30	02/29/2020 01:21	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	02/28/2020 07:30	02/29/2020 01:21	SS



Sample Information

Client Sample ID: Trip Blank-01	York Sample ID: 20B0903-07			
York Project (SDG) No. 20B0903	Client Project ID Village of Mamaroneck	Matrix Water	Collection Date/Time February 24, 2020 12:00 am	Date Received 02/25/2020

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Log-in Notes:		Sample Notes:	
									Date/Time Prepared	Date/Time Analyzed	Analyst	
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				NELAC-NY10854,NELAC-NY12058,PADEP,NJE			
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				NELAC-NY10854,NELAC-NY12058,PADEP,NJE			
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				NELAC-NY10854,NELAC-NY12058,PADEP,NJE			
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				NELAC-NY10854,NELAC-NY12058,PADEP,NJE			
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				NELAC-NY10854,NELAC-NY12058,PADEP,NJE			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				CTDOH,NELAC-NY10854,NELAC-NY12058,PA			
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS	
					Certifications:				CTDOH,NELAC-NY10854,NELAC-NY12058,PA			



Sample Information

Client Sample ID: Trip Blank-01

York Sample ID: 20B0903-07

York Project (SDG) No.
20B0903

Client Project ID
Village of Mamaroneck

Matrix
Water

Collection Date/Time
February 24, 2020 12:00 am

Date Received
02/25/2020

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS		
					Certifications:			CTDOH,NELAC-NY10854,NELAC-NY12058,PA					
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS		
					Certifications:			CTDOH,NELAC-NY10854,NELAC-NY12058,PA					
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS		
					Certifications:			CTDOH,NELAC-NY10854,NELAC-NY12058,PA					
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS		
					Certifications:			CTDOH,NELAC-NY10854,NELAC-NY12058,PA					
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS		
					Certifications:			CTDOH,NELAC-NY10854,NELAC-NY12058,PA					
Surrogate Recoveries		Result	Acceptance Range										
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.8 %			69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %			81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %			79-122								

Volatile Organics, tert-Butyl Alcohol

Sample Prepared by Method: EPA 5030B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.5	1	EPA 8260C	02/28/2020 07:30	02/29/2020 01:21	SS		
					Certifications:			NELAC-NY10854,NJDEP,NELAC-NY12058,PAE					
Surrogate Recoveries		Result	Acceptance Range										
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.8 %			69-130								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %			79-122								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %			81-117								



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20B0903-01	MW-1D @ 0925	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20B0903-02	MW-1S @ 0930	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20B0903-03	MW-2D @ 1015	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20B0903-04	MW-2S @ 1010	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20B0903-05	MW-3D @ 1128	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20B0903-06	MW-3S @ 1135	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20B0903-07	Trip Blank-01	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

- QR-04 The RPD exceeded control limits for the LCS/LCSD QC.
- QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
- J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
- CCV-E The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence . This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
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.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.



Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



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Field Chain-of-Custody Record

YORK Project No.
20B0903

Page 1 of 1

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YOUR Information		Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Zion Environmental	Company: Same	Company: Same	Address:	RUSH - Next Day	
Address: P.O. Box 162 Ossining, NY 10563	Phone: 845 649 9346	Phone: _____	Contact: Brian Carroll	Date/Time: 2/24/2020	RUSH - Two Day
Contact: Brian Carroll	E-mail: bcarroll@zionenv.com	E-mail: _____	E-mail: _____	Date/Time: 2/24/2020	RUSH - Three Day
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.		Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.
Brian Nichols		S - soil / solid GW - groundwater DW - drinking water WW - wastewater O - Oil ; Other	New York New Jersey Connecticut Pennsylvania Other	Summary Report QA Report NY ASP A Package NY ASP B Package NJDKQP	Standard Excel EDD EQuIS (Standard) NYSDEC EQuIS NJDEP SRP HazSite Other:
Samples Collected by: (print your name above and sign below)		Sample Identification	Sample Matrix	Analysis Requested	Container Description
Brian Nichols		MW-1D ① 925	GW	2-24-2020 Arsenic, Cadmium, Copper, Lead, Zinc, by ICP-MS	<u>Plastic / 3 vials</u>
		MW-1S ② 930	GW	2-24-2020 metals Sulfate-ICP-MS	
		MW-2D ③ 1015	GW	2-24-2020 mercury by EPA method	
		MW-2S ④ 1010	GW	2-24-2020 Sulfate-ICP-MS	
		MW-3D ⑤ 1108	GW	2-24-2020 volatile organics + S260 system list	
		MW-3S ⑥ 1135	GW	2-24-2020 w/TBA	
		Trip Blank - 01	LAB DT	2-24-2020 (MTBE, Tetr-butyl Alcohol + Tet-butylbenzene)	
Comments:					
Preservation: (check all that apply)					
HCl <input type="checkbox"/> MeOH <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other: _____					
Samples Relinquished by / Company		Date/Time	Special Instruction		
Brian Nichols Zion Environmental LLC		2/24/2020 ① 1200	Field Filtered Lab to Filter _____		
Received by / Company		Date/Time	Date/Time		
Samples Relinquished by / Company		Date/Time	Samples Received in LAB by _____		
Samples Received by / Company		Date/Time	Samples Received by / Company		
Samples Relinquished by / Company		Date/Time	Samples Received in LAB by _____		
Samples Received by / Company		Date/Time	Temp. Received at Lab _____		
Samples Relinquished by / Company		Date/Time	Degrees C _____		

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's Lane Compost Site
February 24, 2020

GAS VENT MONITORING						
Gas Vent (GV) #	PID	CH4	CO2	O2	Balance	Remarks
	(ppm)	(%)	(%)	(%)	(%)	
1	0.0	0.0	4.5	16.2	79.3	
2	0.0	0.0	3.8	15.8	80.4	
3	0.0	0.0	4.2	15.3	80.5	
4	0.0	0.6	3.2	15.8	80.4	
5	0.0	2.1	3.8	14.4	79.7	Slight methane odors around vent
6	0.0	0.0	1.2	17.8	81.0	
7	0.0	0.0	0.8	18.1	81.1	Bees nest
8	0.0	0.0	0.5	18.6	80.9	

BAR HOLE MONITORING						
Bar Hole (BH) #	PID	CH4	CO2	O2	Balance	Remarks
	(ppm)	(%)	(%)	(%)	(%)	
1	0.0	0.0	4.1	15.9	80.0	
2	0.0	0.0	3.4	16.7	79.9	
3	0.0	0.0	3.6	16.2	80.2	
4	0.0	0.0	3.1	16.5	80.4	
5	0.0	0.0	2.8	16.7	80.5	
6	0.0	0.0	3.7	16.5	79.8	
7	0.0	0.0	4.2	16.1	79.7	
8	0.0	0.0	2.5	16.7	80.8	
9	0.0	0.0	3.4	17.2	79.4	
10	0.0	0.0	2.1	15.8	82.1	
11	0.0	0.0	3.0	15.2	81.8	
12	0.0	0.0	1.6	18.6	79.8	
13	0.0	0.0	2.6	16.3	81.1	

Note: See drawing entitled "Drawing No. 1 - Site Map with Shallow Groundwater Flow Contours" for monitoring locations.
Equipment used: GEM 500 and MiniRae PID



Attachment 4

Field Data Sheet

TAYLOR LANE, MAMARONECK - FIELD DATA - 02/24/2020

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)	ELEVATION
1S	18.28	2"	PVC	2.68	2.94	19.17	19.44	15.34
1D	18.99	2"	PVC	3.32	3.60	65.52	65.78	15.39
2S	16.71	2"	PVC	2.03	2.37	16.30	16.65	14.34
2D	17.05	2"	PVC	1.72	1.95	68.06	68.34	15.10
3S	13.35	2"	PVC	3.00	3.34	21.08	21.41	10.01
3D	13.25	2"	PVC	3.32	3.62	31.31	31.52	9.63

Water Quality Parameters

MW #	Sampling Time	Gallons Purged	pH (SU)	Conductivity (mS/cm2)	Temp. (oC)	ORP (mv)	Turbidity (NTU)
1S	930	8	7.99	1165	12.1	-103.6	31.3
1D	925	20	8.45	976	13.6	-126.6	21.9
2S	1010	7	8.15	1379	12.4	-112.5	11.4
2D	1015	22	8.59	953	12.5	-135.8	9.41
3S	1135	3	7.71	1234	11.9	-90.3	14.7
3D	1128	5	7.97	1383	12.9	-102.4	5.76

Well Notes For Sampling

1S	Clear, no odors
1D	Cloudy, no odors
2S	Clear, no odors
2D	Clear, no odors **Bottom of protective casing rotted out**
3S	Clear with white to tan slime, petro odors
3D	Clear with white to tan slime, petro odors

Water Levels and Elevations

ID	Elevation	Size	Type	TPVC	TOC	BPVC	BOC	ELEVATION
14D	18.78	2"	Metal	2.07	2.49	79.05	79.45	16.29
14S	18.39	2"	Metal	3.20	3.26	15.30	15.24	15.13
14M	18.67	2"	Metal	3.38	3.38	30.05	30.22	15.29
15D	17.23	2"	Metal	3.25	3.83	38.25	38.83	13.40
4D	18.5	2"	PVC	2.75	3.51	16.87	17.84	14.99
4S	17.66	2"	PVC	2.25	2.43	12.47	12.73	15.23
4M	20.53		Metal		4.22	18.49	19.27	16.31
9D	32.85	4"	Metal	11.90	12.66	69.41	70.18	20.19
9S	32.61	2"	Metal	10.83	11.00	18.49	18.69	21.61
#2-PZ-A	19.04	2"	PVC	NA	NA	14.63	14.81	NA
#1-PZ-B	17.22	2"	PVC	4.25	4.37	14.63	14.81	12.85
#3-PZ-C	19.33	2"	PVC	3.30	3.46	15.27	15.42	15.87
PZ-D	17.49	2"	PVC	Damaged		7.18	7.20	17.49
LEACH	17.03	14"	Metal	NO PVC	5.88	NA	16.55	11.15
MW-6	14.97	6"	PVC	PVC Cap Stuck	N/A			

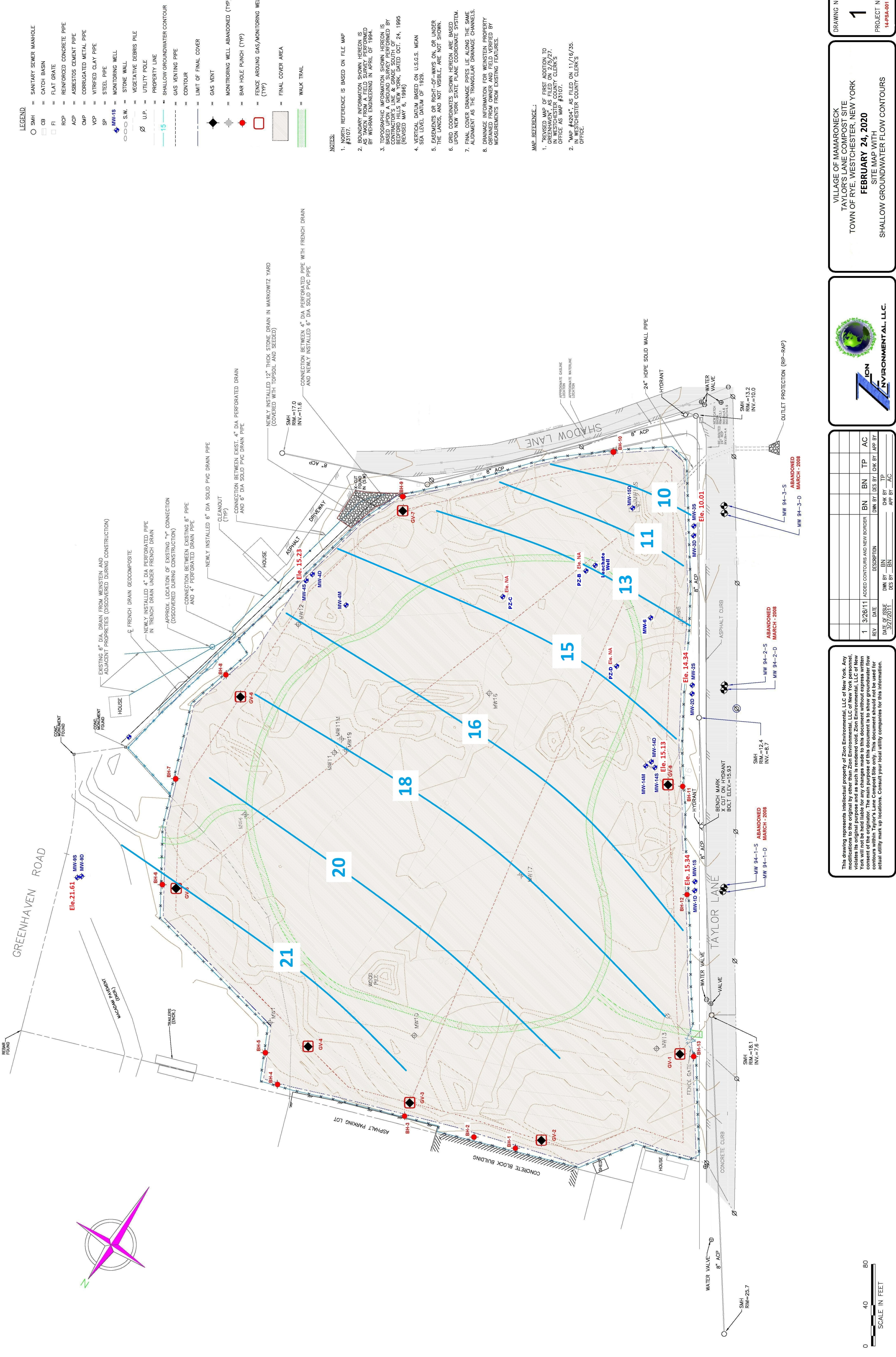
Notes: N/F : Not found due to high grass or deep snow.

N/S : No sample due to dry well or frozen well from extreme cold temps.

*PVC 0.07 ABOVE TOC

Attachment 5

Drawing No. 1



DRAWING NO.	1	PROJECT NO.	ZION-201
TITLE	VILLAGE OF MAMARONECK TAYLOR'S LANE COMPOST SITE TOWN OF RYE, WESTCHESTER, NEW YORK	DATE	FEBRUARY 24, 2020
DESCRIPTION	SITE MAP WITH SHALLOW GROUNDWATER FLOW CONTOURS	SCALE IN FEET	80
DATE OF ISSUE	3/26/11	DRAWN BY	CHK BY
REV'D DATE	3/27/2011	DES BY	TP
DATE	3/27/2011	CHK BY	APP BY
REV'D DATE	3/27/2011	DES BY	AC

This drawing represents intellectual property of Zion Environmental LLC of New York. Any modification 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 held 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.