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"QUALITY SERVICE AT AN HONEST PRICE"

October 15, 2020

Project No. 14-PSA-002

Mr. Daniel Lanners, Project Manager
NYSDEC, Region 3
21 South Putt Corners Road
New Paltz, NY 12561.

Re: August 2020 Semi-Annual Monitoring Results
Taylor's Lane Compost Site, Mamaroneck, New York
NYSDEC Site Number 360021

Dear Mr. Lanners:

Zion Environmental, LLC (Zion) personnel conducted the Semi-Annual Groundwater Sampling Event at the Taylor's Lane Compost Site in Mamaroneck, New York on August 31, 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 August 31, 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 August 31, 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 (CH_4), carbon dioxide (CO_2), and oxygen (O_2) at gas vents GV-1 through GV-8 and bar holes BH-1 through BH-13. Both the groundwater and soil gas monitoring were performed in accordance with the Post Closure Operation and Maintenance Plan for the Taylor Lane Compost Site prepared by EMCON/Wehran-New York, Inc. in February 1998. This data is summarized in Attachment 3, Table 4.

RESULTS

Groundwater Monitoring Results

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 and August 31, 2020 sampling events. 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 wells MW-1S at 107 ug/l and MW-2S at 214 ug/l. Arsenic was detected at concentrations above the New York State Department of Conservation (NYSDEC) Part 703 Groundwater Standard of 25.0 ug/l in wells MW-1S at 188 ug/l. Copper was detected at concentrations above the New York State Department of Conservation (NYSDEC) Part 703 Groundwater Standard of 200 ug/l in wells MW-3S at 236 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 12 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 2.9 J 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 August 31, 2020 sampling event. Methane was detected at GV-4 at a concentration of 0.8% methane gas and GV-5 at a concentration of 4.2% methane gas.

Gas vent and bar hole locations are depicted on Drawing 1. Results for the August 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 me 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. Daniel Bendell, NYSDEC, Region 3

Mr. Dan Sarnoff, Village Manager, Village of Mamaroneck

Mr. Kevin McGrath, 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 (µg/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 µg/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
	8/31/2020	188	4 U	4 U	4 U	4 U	4 U

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Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
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
	8/31/2020	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	20 U				
	11/17/2003	20 U	20 U				
	6/21/2004	20 U	20 U	20 U	20 U	27.4	20 U
	11/22/2004	20 U	20 U	20 U	20 U	56	20 U
	6/22/2005	20 U	20 U				
	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	20 U				
	2/20/2009	20 U	20 U				
	8/27/2009	20 U	20 U				
	2/25/2010	20 U	20 U				
	8/26/2010	20 U	20 U				
	2/23/2011	11.3	11.9	18.2	25.2	65.8	6.8
	8/2/2011	188	7.98	8.96	5.64	13.3	15.2
	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
	8/31/2020	42.9	3.0 U	67.9	3 U	236.0	37.2

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Village of Mamaroneck

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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
	8/31/2020	107	5 U	214	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					
	8/31/2020	0.2 U					

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).

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
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
	8/31/2020	156.0	20 U	248	20 U	131.0	20.0 U

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

ATTACHMENT 1

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
8/31/2020	5 U	5 U	5 U	1 U	5 U	5.0 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
8/31/2020	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
8/31/2020	5 U	5 U	2.9 J	12.0	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
8/31/2020	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 ($\mu\text{g/L}$)						
	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
8/31/2020	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
8/31/2020	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.

$\mu\text{g/L}$ - 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
	8/31/2020	22.2	8.16	-113.6	1015

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-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
	8/31/2020	20.1	8.48	-130.8	936

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-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
	8/31/2020	21.1	8.31	-122.4	1247

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-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
	8/31/2020	19.6	8.76	-145.3	847

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
	8/31/2020	19.6	7.68	-85.7	1146

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
	8/31/2020	21.3	8.01	-103.0	1136

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: 10/09/2020

Client Project ID: Village of Mamaroneck
York Project (SDG) No.: 20I0005

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 10/09/2020
Client Project ID: Village of Mamaroneck
York Project (SDG) No.: 20I0005

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 September 01, 2020 with a temperature of 1.2 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
20I0005-01	MW-1S @ 1000	Water	08/31/2020	09/01/2020
20I0005-02	MW-1D @ 1006	Water	08/31/2020	09/01/2020
20I0005-03	MW-2S @ 1121	Water	08/31/2020	09/01/2020
20I0005-04	MW-2D @ 1123	Water	08/31/2020	09/01/2020
20I0005-05	MW-3S @ 1253	Water	08/31/2020	09/01/2020
20I0005-06	MW-3D @ 1248	Water	08/31/2020	09/01/2020
20I0005-07	Trip Blank-01 (TB-01)	Water	08/31/2020	09/01/2020

General Notes for York Project (SDG) No.: 20I0005

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: 10/09/2020

Benjamin Gulizia
Laboratory Director





Sample Information

Client Sample ID: MW-1S @ 1000

York Sample ID:

20I0005-01

York Project (SDG) No.
20I0005

Client Project ID
Village of Mamaroneck

Matrix
Water

Collection Date/Time
August 31, 2020 10:00 am

Date Received
09/01/2020

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	09/03/2020 10:54	09/03/2020 18:34	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
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	09/03/2020 10:54	09/03/2020 18:34	TMP
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	09/03/2020 10:54	09/03/2020 18:34	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/03/2020 10:54	09/03/2020 18:34	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/03/2020 10:54	09/03/2020 18:34	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/03/2020 10:54	09/03/2020 18:34	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/03/2020 10:54	09/03/2020 18:34	TMP
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	09/03/2020 10:54	09/03/2020 18:34	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/03/2020 10:54	09/03/2020 18:34	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	09/03/2020 10:54	09/03/2020 18:34	TMP



Sample Information

Client Sample ID: MW-1S @ 1000

York Sample ID:

20I0005-01

York Project (SDG) No.

20I0005

Client Project ID

Village of Mamaroneck

Matrix

Water

Collection Date/Time

August 31, 2020 10:00 am

Date Received

09/01/2020

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	09/03/2020 10:54	09/03/2020 18:34	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 18:34	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 18:34	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 18:34	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 18:34	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 18:34	TMP
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	09/03/2020 10:54	09/03/2020 18:34	TMP
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP



Sample Information

<u>Client Sample ID:</u> MW-1S @ 1000		<u>York Sample ID:</u> 20I0005-01
<u>York Project (SDG) No.</u> 20I0005	<u>Client Project ID</u> Village of Mamaroneck	<u>Matrix</u> Water <u>Collection Date/Time</u> August 31, 2020 10:00 am <u>Date Received</u> 09/01/2020

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		
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP		
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP		
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP		
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 18:34	TMP		
Surrogate Recoveries		Result	Acceptance Range										
17060-07-0	<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	120 %			69-130								
2037-26-5	<i>Surrogate: SURR: Toluene-d8</i>	99.8 %			81-117								
460-00-4	<i>Surrogate: SURR: p-Bromofluorobenzene</i>	102 %			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	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAE	09/03/2020 10:54	09/03/2020 18:34	TMP		
Surrogate Recoveries		Result	Acceptance Range										
17060-07-0	<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	120 %			69-130								
460-00-4	<i>Surrogate: SURR: p-Bromofluorobenzene</i>	102 %			79-122								
2037-26-5	<i>Surrogate: SURR: Toluene-d8</i>	99.8 %			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	0.0188		mg/L	0.0167	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 12:56	09/04/2020 12:46	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



Sample Information

Client Sample ID: MW-1S @ 1000

York Sample ID:

20I0005-01

York Project (SDG) No.

20I0005

Client Project ID

Village of Mamaroneck

Matrix

Water

Collection Date/Time

August 31, 2020 10:00 am

Date Received

09/01/2020

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	09/02/2020 12:56	09/04/2020 12:46	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	0.0429		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 12:56	09/04/2020 12:46	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	0.107		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 12:56	09/04/2020 12:46	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	0.156		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 12:56	09/04/2020 12:46	KML

Mercury by 7473

Sample Prepared by Method: EPA 7473 water

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	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 14:56	09/02/2020 16:28	MAO

Sample Information

Client Sample ID: MW-1D @ 1006

York Sample ID:

20I0005-02

York Project (SDG) No.

20I0005

Client Project ID

Village of Mamaroneck

Matrix

Water

Collection Date/Time

August 31, 2020 10:06 am

Date Received

09/01/2020

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

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FAX (203) 357-0166

ClientServices@yorklab.com



Sample Information

<u>Client Sample ID:</u> MW-1D @ 1006	<u>York Sample ID:</u>	20I0005-02
<u>York Project (SDG) No.</u> 20I0005	<u>Client Project ID</u> Village of Mamaroneck	<u>Matrix</u> Water <u>Collection Date/Time</u> August 31, 2020 10:06 am <u>Date Received</u> 09/01/2020

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	09/03/2020 10:54	09/03/2020 19:00	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
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	09/03/2020 10:54	09/03/2020 19:00	TMP
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	09/03/2020 10:54	09/03/2020 19:00	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/03/2020 10:54	09/03/2020 19:00	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 19:00	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJI	09/03/2020 10:54	09/03/2020 19:00	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 19:00	TMP
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	09/03/2020 10:54	09/03/2020 19:00	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 19:00	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 19:00	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP



Sample Information

<u>Client Sample ID:</u> MW-1D @ 1006	<u>York Sample ID:</u>	20I0005-02
<u>York Project (SDG) No.</u> 20I0005	<u>Client Project ID</u> Village of Mamaroneck	<u>Matrix</u> Water <u>Collection Date/Time</u> August 31, 2020 10:06 am <u>Date Received</u> 09/01/2020

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
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 19:00	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 19:00	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 19:00	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 19:00	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 19:00	TMP
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	09/03/2020 10:54	09/03/2020 19:00	TMP
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP



Sample Information

Client Sample ID: MW-1D @ 1006

York Sample ID:

20I0005-02

York Project (SDG) No.

20I0005

Client Project ID

Village of Mamaroneck

Matrix

Water

Collection Date/Time

August 31, 2020 10:06 am

Date Received

09/01/2020

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	09/03/2020 10:54	09/03/2020 19:00	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:00	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	118 %	69-130								
2037-26-5	<i>Surrogate: SURR: Toluene-d8</i>	99.9 %	81-117								
460-00-4	<i>Surrogate: SURR: p-Bromofluorobenzene</i>	102 %	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	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAE	09/03/2020 10:54	09/03/2020 19:00	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	118 %	69-130								
460-00-4	<i>Surrogate: SURR: p-Bromofluorobenzene</i>	102 %	79-122								
2037-26-5	<i>Surrogate: SURR: Toluene-d8</i>	99.9 %	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	09/02/2020 12:56	09/04/2020 12:49	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	09/02/2020 12:56	09/04/2020 12:49	KML



Sample Information

Client Sample ID: MW-1D @ 1006

York Sample ID:

20I0005-02

York Project (SDG) No.

20I0005

Client Project ID
Village of Mamaroneck

Matrix

Water

Collection Date/Time

August 31, 2020 10:06 am

Date Received

09/01/2020

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	09/02/2020 12:56	09/04/2020 12:49	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	09/02/2020 12:56	09/04/2020 12:49	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	09/02/2020 12:56	09/04/2020 12:49	KML

Mercury by 7473

Sample Prepared by Method: EPA 7473 water

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	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 14:56	09/02/2020 16:38	MAO

Sample Information

Client Sample ID: MW-2S @ 1121

York Sample ID:

20I0005-03

York Project (SDG) No.

20I0005

Client Project ID
Village of Mamaroneck

Matrix

Water

Collection Date/Time

August 31, 2020 11:21 am

Date Received

09/01/2020

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	09/03/2020 10:54	09/03/2020 19:26	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
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	09/03/2020 10:54	09/03/2020 19:26	TMP



Sample Information

<u>Client Sample ID:</u> MW-2S @ 1121	<u>York Sample ID:</u>	20I0005-03
<u>York Project (SDG) No.</u> 20I0005	<u>Client Project ID</u> Village of Mamaroneck	<u>Matrix</u> Water <u>Collection Date/Time</u> August 31, 2020 11:21 am <u>Date Received</u> 09/01/2020

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
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	09/03/2020 10:54	09/03/2020 19:26	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/03/2020 10:54	09/03/2020 19:26	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 19:26	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 19:26	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 19:26	TMP
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	09/03/2020 10:54	09/03/2020 19:26	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 19:26	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 19:26	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 19:26	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 19:26	TMP



Sample Information

<u>Client Sample ID:</u> MW-2S @ 1121	<u>York Sample ID:</u> 20I0005-03
<u>York Project (SDG) No.</u> 20I0005	<u>Client Project ID</u> Village of Mamaroneck

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	09/03/2020 10:54	09/03/2020 19:26	TMP
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 19:26	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 19:26	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 19:26	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	2.9	J	ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP



Sample Information

Client Sample ID: MW-2S @ 1121

York Sample ID:

20I0005-03

York Project (SDG) No.

20I0005

Client Project ID

Village of Mamaroneck

Matrix

Water

Collection Date/Time

August 31, 2020 11:21 am

Date Received

09/01/2020

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	09/03/2020 10:54	09/03/2020 19:26	TMP
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
Surrogate Recoveries											
17060-07-0	<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	120 %			69-130						
2037-26-5	<i>Surrogate: SURR: Toluene-d8</i>	101 %			81-117						
460-00-4	<i>Surrogate: SURR: p-Bromofluorobenzene</i>	102 %			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)	12		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 19:26	TMP
Surrogate Recoveries											
17060-07-0	<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	120 %			69-130						
460-00-4	<i>Surrogate: SURR: p-Bromofluorobenzene</i>	102 %			79-122						
2037-26-5	<i>Surrogate: SURR: Toluene-d8</i>	101 %			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	09/02/2020 12:56	09/04/2020 12:52	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	09/02/2020 12:56	09/04/2020 12:52	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	0.0679		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 12:56	09/04/2020 12:52	KML



Sample Information

Client Sample ID: MW-2S @ 1121

York Sample ID: 20I0005-03

York Project (SDG) No.
20I0005

Client Project ID
Village of Mamaroneck

Matrix
Water

Collection Date/Time
August 31, 2020 11:21 am

Date Received
09/01/2020

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	0.214		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 12:56	09/04/2020 12:52	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	0.248		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 12:56	09/04/2020 12:52	KML

Mercury by 7473

Sample Prepared by Method: EPA 7473 water

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	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 14:56	09/02/2020 16:49	MAO

Sample Information

Client Sample ID: MW-2D @ 1123

York Sample ID: 20I0005-04

York Project (SDG) No.
20I0005

Client Project ID
Village of Mamaroneck

Matrix
Water

Collection Date/Time
August 31, 2020 11:23 am

Date Received
09/01/2020

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	09/03/2020 10:54	09/09/2020 12:31	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
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	09/03/2020 10:54	09/09/2020 12:31	TMP
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	09/03/2020 10:54	09/09/2020 12:31	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP



Sample Information

<u>Client Sample ID:</u> MW-2D @ 1123	<u>York Sample ID:</u> 20I0005-04
<u>York Project (SDG) No.</u> 20I0005	<u>Client Project ID</u> Village of Mamaroneck

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
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/03/2020 10:54	09/09/2020 12:31	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/09/2020 12:31	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/09/2020 12:31	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/09/2020 12:31	TMP
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	09/03/2020 10:54	09/09/2020 12:31	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/09/2020 12:31	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/09/2020 12:31	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/09/2020 12:31	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/09/2020 12:31	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP



Sample Information

<u>Client Sample ID:</u> MW-2D @ 1123	<u>York Sample ID:</u> 20I0005-04
<u>York Project (SDG) No.</u> 20I0005	<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
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/09/2020 12:31	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/09/2020 12:31	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/09/2020 12:31	TMP
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	09/03/2020 10:54	09/09/2020 12:31	TMP
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/09/2020 12:31	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	105 %	81-117								



Sample Information

Client Sample ID: MW-2D @ 1123 York Sample ID: 20I0005-04

York Project (SDG) No. 20I0005 Client Project ID Village of Mamaroneck Matrix Water Collection Date/Time August 31, 2020 11:23 am Date Received 09/01/2020

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
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.7 %			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	1.0	2.0	2	EPA 8260C	09/03/2020 10:54	09/03/2020 19:51	TMP
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	122 %			69-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.4 %			79-122						
2037-26-5	Surrogate: SURR: Toluene-d8	98.9 %			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	09/02/2020 12:56	09/04/2020 12:55	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	09/02/2020 12:56	09/04/2020 12:55	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	09/02/2020 12:56	09/04/2020 12:55	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	09/02/2020 12:56	09/04/2020 12:55	KML



Sample Information

Client Sample ID: MW-2D @ 1123

York Sample ID: 20I0005-04

York Project (SDG) No.
20I0005

Client Project ID
Village of Mamaroneck

Matrix
Water

Collection Date/Time
August 31, 2020 11:23 am

Date Received
09/01/2020

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	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 12:56	09/04/2020 12:55	KML

Mercury by 7473

Sample Prepared by Method: EPA 7473 water

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	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 14:56	09/02/2020 16:59	MAO

Sample Information

Client Sample ID: MW-3S @ 1253

York Sample ID: 20I0005-05

York Project (SDG) No.
20I0005

Client Project ID
Village of Mamaroneck

Matrix
Water

Collection Date/Time
August 31, 2020 12:53 pm

Date Received
09/01/2020

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	09/03/2020 10:54	09/03/2020 20:17	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
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	09/03/2020 10:54	09/03/2020 20:17	TMP
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	09/03/2020 10:54	09/03/2020 20:17	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/03/2020 10:54	09/03/2020 20:17	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 20:17	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 20:17	TMP



Sample Information

Client Sample ID: MW-3S @ 1253

York Sample ID:

20I0005-05

York Project (SDG) No.

20I0005

Client Project ID

Village of Mamaroneck

Matrix

Water

Collection Date/Time

August 31, 2020 12:53 pm

Date Received

09/01/2020

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	09/03/2020 10:54	09/03/2020 20:17	TMP
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	09/03/2020 10:54	09/03/2020 20:17	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 20:17	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 20:17	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 20:17	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 20:17	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP



Sample Information

Client Sample ID: MW-3S @ 1253

York Sample ID:

20I0005-05

York Project (SDG) No.

20I0005

Client Project ID

Village of Mamaroneck

Matrix

Water

Collection Date/Time

August 31, 2020 12:53 pm

Date Received

09/01/2020

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	09/03/2020 10:54	09/03/2020 20:17	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 20:17	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 20:17	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 20:17	TMP
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	09/03/2020 10:54	09/03/2020 20:17	TMP
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:17	TMP

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	118 %	69-130
2037-26-5	Surrogate: SURR: Toluene-d8	98.6 %	81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %	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-3S @ 1253

York Sample ID:

20I0005-05

York Project (SDG) No.

20I0005

Client Project ID

Village of Mamaroneck

Matrix

Water

Collection Date/Time

August 31, 2020 12:53 pm

Date Received

09/01/2020

Volatile Organics, tert-Butyl Alcohol

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to 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	1.0	1	EPA 8260C	09/03/2020 10:54	09/03/2020 20:17	TMP
Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAE											
Surrogate Recoveries											
Acceptance Range											
17060-07-0	<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	118 %			69-130						
460-00-4	<i>Surrogate: SURR: p-Bromofluorobenzene</i>	101 %			79-122						
2037-26-5	<i>Surrogate: SURR: Toluene-d8</i>	98.6 %			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	09/02/2020 12:56	09/04/2020 13:04	KML
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

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	09/02/2020 12:56	09/04/2020 13:04	KML
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

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	0.236		mg/L	0.0222	1	EPA 6010D	09/02/2020 12:56	09/04/2020 13:04	KML
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

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	09/02/2020 12:56	09/04/2020 13:04	KML
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

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	0.131		mg/L	0.0278	1	EPA 6010D	09/02/2020 12:56	09/04/2020 13:04	KML
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										



Sample Information

Client Sample ID: MW-3S @ 1253

York Sample ID:

20I0005-05

York Project (SDG) No.

20I0005

Client Project ID

Village of Mamaroneck

Matrix

Water

Collection Date/Time

August 31, 2020 12:53 pm

Date Received

09/01/2020

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/02/2020 14:56	09/02/2020 17:09	MAO

Sample Information

Client Sample ID: MW-3D @ 1248

York Sample ID:

20I0005-06

York Project (SDG) No.

20I0005

Client Project ID

Village of Mamaroneck

Matrix

Water

Collection Date/Time

August 31, 2020 12:48 pm

Date Received

09/01/2020

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	09/03/2020 10:54	09/03/2020 20:43	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
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	09/03/2020 10:54	09/03/2020 20:43	TMP
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	09/03/2020 10:54	09/03/2020 20:43	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/03/2020 10:54	09/03/2020 20:43	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 20:43	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 20:43	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 20:43	TMP
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	09/03/2020 10:54	09/03/2020 20:43	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP



Sample Information

<u>Client Sample ID:</u> MW-3D @ 1248	<u>York Sample ID:</u>	20I0005-06
<u>York Project (SDG) No.</u> 20I0005	<u>Client Project ID</u> Village of Mamaroneck	<u>Matrix</u> Water <u>Collection Date/Time</u> August 31, 2020 12:48 pm <u>Date Received</u> 09/01/2020

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	09/03/2020 10:54	09/03/2020 20:43	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	09/03/2020 10:54	09/03/2020 20:43	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	09/03/2020 10:54	09/03/2020 20:43	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	09/03/2020 10:54	09/03/2020 20:43	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	09/03/2020 10:54	09/03/2020 20:43	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP



Sample Information

Client Sample ID: MW-3D @ 1248

York Sample ID:

20I0005-06

York Project (SDG) No.

20I0005

Client Project ID

Village of Mamaroneck

Matrix

Water

Collection Date/Time

August 31, 2020 12:48 pm

Date Received

09/01/2020

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	09/03/2020 10:54	09/03/2020 20:43	TMP
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 20:43	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 20:43	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	09/03/2020 10:54	09/03/2020 20:43	TMP
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	09/03/2020 10:54	09/03/2020 20:43	TMP
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	116 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	98.0 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.2 %	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	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 20:43	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	116 %	69-130								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.2 %	79-122								



Sample Information

Client Sample ID: MW-3D @ 1248 York Sample ID: 20I0005-06

York Project (SDG) No. 20I0005 Client Project ID Village of Mamaroneck Matrix Water Collection Date/Time August 31, 2020 12:48 pm Date Received 09/01/2020

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	98.0 %			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	09/02/2020 12:56	09/04/2020 13:06	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	09/02/2020 12:56	09/04/2020 13:06	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	0.0372		mg/L	0.0222	1	EPA 6010D	09/02/2020 12:56	09/04/2020 13:06	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	09/02/2020 12:56	09/04/2020 13:06	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	ND		mg/L	0.0278	1	EPA 6010D	09/02/2020 12:56	09/04/2020 13:06	KML

Mercury by 7473

Sample Prepared by Method: EPA 7473 water

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	0.00020	1	EPA 7473	09/02/2020 14:56	09/02/2020 17:20	MAO



Sample Information

Client Sample ID: Trip Blank-01 (TB-01)	York Sample ID: 20I0005-07			
York Project (SDG) No. 20I0005	Client Project ID Village of Mamaroneck	Matrix Water	Collection Date/Time August 31, 2020 12:00 am	Date Received 09/01/2020

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	09/03/2020 10:54	09/03/2020 16:52	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
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	09/03/2020 10:54	09/03/2020 16:52	TMP
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	09/03/2020 10:54	09/03/2020 16:52	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/03/2020 10:54	09/03/2020 16:52	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	09/03/2020 10:54	09/03/2020 16:52	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	09/03/2020 10:54	09/03/2020 16:52	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	09/03/2020 10:54	09/03/2020 16:52	TMP
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	09/03/2020 10:54	09/03/2020 16:52	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	09/03/2020 10:54	09/03/2020 16:52	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	09/03/2020 10:54	09/03/2020 16:52	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP



Sample Information

Client Sample ID: Trip Blank-01 (TB-01)	York Sample ID: 20I0005-07			
York Project (SDG) No. 20I0005	Client Project ID Village of Mamaroneck	Matrix Water	Collection Date/Time August 31, 2020 12:00 am	Date Received 09/01/2020

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
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	09/03/2020 10:54	09/03/2020 16:52	TMP
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	09/03/2020 10:54	09/03/2020 16:52	TMP
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	09/03/2020 10:54	09/03/2020 16:52	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	09/03/2020 10:54	09/03/2020 16:52	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	09/03/2020 10:54	09/03/2020 16:52	TMP
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	09/03/2020 10:54	09/03/2020 16:52	TMP
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP



Sample Information

Client Sample ID: Trip Blank-01 (TB-01) **York Sample ID:** 20I0005-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0005	Village of Mamaroneck	Water	August 31, 2020 12:00 am	09/01/2020

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		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP		
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP		
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP		
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/03/2020 10:54	09/03/2020 16:52	TMP		
Surrogate Recoveries		Result	Acceptance Range										
17060-07-0	<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	118 %			69-130								
2037-26-5	<i>Surrogate: SURR: Toluene-d8</i>	98.8 %			81-117								
460-00-4	<i>Surrogate: SURR: p-Bromofluorobenzene</i>	100 %			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	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PAE	09/03/2020 10:54	09/03/2020 16:52	TMP		
Surrogate Recoveries		Result	Acceptance Range										
17060-07-0	<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	118 %			69-130								
460-00-4	<i>Surrogate: SURR: p-Bromofluorobenzene</i>	100 %			79-122								
2037-26-5	<i>Surrogate: SURR: Toluene-d8</i>	98.8 %			81-117								



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20I0005-01	MW-1S @ 1000	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0005-02	MW-1D @ 1006	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0005-03	MW-2S @ 1121	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0005-04	MW-2D @ 1123	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0005-05	MW-3S @ 1253	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0005-06	MW-3D @ 1248	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0005-07	Trip Blank-01 (TB-01)	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- 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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YORK
ANALYTICAL LABORATORIES INC.

Field Chain-of-Custody Record

YORK Project No.
2010005

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, LLC	Company: Same	Company: Same	Address:	RUSH - Next Day	
Address: PO Box 162				RUSH - Two Day	
Phone: 845 649 9346	Phone:.			RUSH - Three Day	
Contact: Brian Nichols	Contact:			RUSH - Four Day	
E-mail: 	E-mail:			Standard (5-7 Day) X	

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.

Brian Nichols

Samples Collected by: (print your name above and sign below)

Brian

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
MW-15 ② 1000	GW	8-31-2020	Arsenic, Cadmium, Copper, Lead, Zinc by EPA 6010 method	1 Plastic/3 vials
MW-1D ② 1006	GW	8-31-2020	Zinc by EPA 6010 method	
MW-2S ② 1121	GW	8-31-2020	Mercury by 7470/7471 by EPA method	
MW-2D ② 1123	GW	8-31-2020	Sum 846-7470	
MW-3S ② 1253	GW	8-31-2020	Volatile organics, 8260 Custom List	
MW-3D ② 1248	GW	8-31-2020	Sum 7470A	
Trip Blank-01 (TB-01)	LBDI	8-31-2020	(mTBE, Tert-butyl Alcohol + Tert-butyl benzene)	

Comments:

Preservation: (check all that apply)

HCl _____	MeOH _____	HNO ₃ _____	H ₂ SO ₄ _____	NaOH _____	ZnAc _____	Field Filtered _____
Ascorbic Acid _____	Other: _____					Lab to Filter _____
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Date/Time
Brian Nichols Zion Environmental, LLC	8-31-2020 ② 1300	Samples Received by / Company		Samples Received by / Company		
Samples Received by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received by / Company	Date/Time	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received by / Company	Date/Time	Date/Time

Temp. Received at Lab
70.0 8/11/2020 1000 1.2

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
August 31, 2020

GAS VENT MONITORING						
Gas Vent (GV) #	PID	CH4	CO2	O2	Balance	Remarks
	(ppm)	(%)	(%)	(%)	(%)	
1	0.0	0.0	9.3	17.8	72.9	
2	0.0	0.0	8.6	17.2	74.2	
3	0.0	0.0	4.8	16.8	78.4	
4	0.0	0.8	17.5	12.6	69.1	
5	0.0	4.2	22.3	10.2	63.3	
6	0.0	0.0	6.7	18.8	74.5	
7	0.0	0.0	4.2	18.4	77.4	Bees nest
8	0.0	0.0	5.1	18.5	76.4	

BAR HOLE MONITORING						
Bar Hole (BH) #	PID	CH4	CO2	O2	Balance	Remarks
	(ppm)	(%)	(%)	(%)	(%)	
1	0.0	0.0	3.8	16.8	79.4	
2	0.0	0.0	3.7	15.9	80.4	
3	0.0	0.0	3.4	16.5	80.1	
4	0.0	0.0	2.9	16.1	81.0	
5	0.0	0.0	2.8	17.4	79.8	
6	0.0	0.0	3.8	17.5	78.7	
7	0.0	0.0	4.5	16.7	78.8	
8	0.0	0.0	3.0	16.1	80.9	
9	0.0	0.0	3.1	17.9	79.0	
10	0.0	0.0	2.4	16.4	81.2	
11	0.0	0.0	2.8	16.3	80.9	
12	0.0	0.0	2.4	17.9	79.7	
13	0.0	0.0	3.5	16.6	79.9	

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 - 08/31/2020

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	3.52	3.80	19.17	19.44	14.48
1D	18.99	2"	PVC	4.20	4.45	65.52	65.78	14.54
2S	16.71	2"	PVC	2.62	2.98	16.30	16.65	13.73
2D	17.05	2"	PVC	2.50	2.69	68.06	68.34	14.36
3S	13.35	2"	PVC	3.60	3.93	21.08	21.41	9.42
3D	13.25	2"	PVC	3.90	4.13	31.31	31.52	9.12

Water Quality Parameters

MW #	Sampling Time	Gallons Purged	pH (SU)	Conductivity (mS/cm2)	Temp. (oC)	ORP (mv)	Turbidity (NTU)
1S	1000	8	8.16	1015	22.2	-113.6	26
1D	1006	10	8.48	936	20.1	-130.8	13
2S	1121	7	8.31	1247	21.0	-122.4	32
2D	1123	10	8.76	847	19.6	-145.3	2.5
3S	1253	9	7.68	1146	19.6	-85.7	50
3D	1248	10	8.01	1136	21.3	-103.0	6.5

Well Notes For Sampling

1S	Clear to slightly cloudy, no odors
1D	Cloudy, no odors
2S	Cloudy, small black particles, slight sulfur odors
2D	Clear, small black particles, slight sulfur odors **Bottom of protective casing rotted out**
3S	Orange tint, small orange particles, sheen, white slime, petrol odors
3D	Clear, small orange particles, sheen, white slime, petrol odors

Water Levels and Elevations

ID	Elevation	Size	Type	TPVC	TOC	BPVC	BOC	ELEVATION
14D	18.78	2"	Metal	3.08	3.47	79.05	79.45	15.31
14S	18.39	2"	Metal	4.00	3.93	15.30	15.24	14.46
14M	18.67	2"	Metal	4.18	4.18	30.05	30.22	14.49
15D	17.23	2"	Metal	3.81	4.40	38.25	38.83	12.83
4D	18.5	2"	PVC	3.40	5.20	16.87	17.84	13.30
4S	17.66	2"	PVC	2.80	3.18	12.47	12.73	14.48
4M	20.53		Metal	NA	5.20	18.49	19.27	15.33
9D	32.85	4"	Metal	13.50	14.25	69.41	70.18	18.60
9S	32.61	2"	Metal	12.61	12.77	18.49	18.69	19.84
#2-PZ-A	19.04	2"	PVC	NA	NA	14.63	14.81	NA
#1-PZ-B	17.22	2"	PVC	3.92	4.10	14.63	14.81	13.12
#3-PZ-C	19.33	2"	PVC	5.12	5.23	15.27	15.42	14.1
PZ-D	17.49	2"	PVC	Damaged		7.18	7.20	17.49
LEACH	17.03	14"	Metal	NO PVC	6.15	NA	16.55	10.88
MW-6	14.97	6"	PVC	PVC Cap Stuck	N/A			

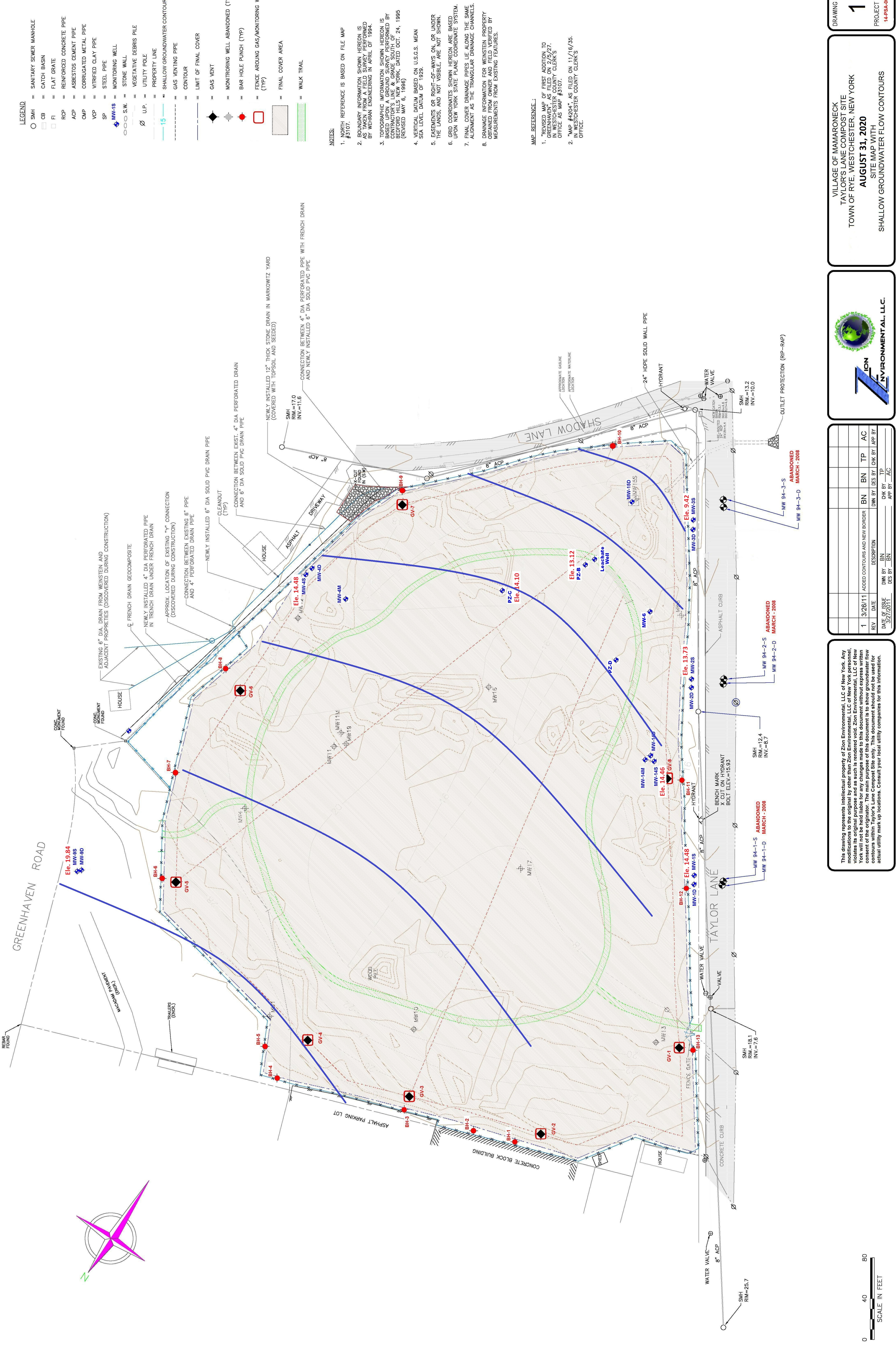
Notes: N/F : Not found due to high grass or deep snow.

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. 14-PSA-001

VILLAGE OF MAMARONECK
TAYLOR LANE COMPOST SITE
TOWN OF RYE, WESTCHESTER, NEW YORK
AUGUST 31, 2020
SITE MAP WITH
SHALLOW GROUNDWATER FLOW CONTOURS



REV	DATE	DESIGNATION	BN	TP	AC
1	3/26/11	ADDED CONTOURS AND NEW BORDER	BN	TP	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.

0 40 80
SCALE IN FEET

0 10 20 30 40 50 60 70 80 90 100
SCALE IN FEET