



October 22, 2021

Mr. Matthew Hubicki
NYS Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, New York 12233-7014

Email: matthew.hubicki@dec.ny.gov

Subject: September 2021 Groundwater Sampling and SSDS Inspection
New Paltz Plaza, New Paltz, NY
Site No. V00087/356021
STERLING File #2014-45

Dear Mr. Hubicki,

Sterling Environmental Engineering, P.C. (STERLING) performed annual groundwater sampling at the New Paltz Plaza on September 2, 2021 and inspected the sub-slab depressurization systems (SSDSs) on September 2, 3, 21 and 22, 2021. The groundwater sampling and inspections were completed per the October 2014 approved Site Management Plan (SMP).

Groundwater levels were measured, and groundwater samples were collected from the five (5) site monitoring wells (MW-2, MW-9, MW-10, MW-11 and BR-2) per the SMP. A summary of the groundwater levels is provided in Table 1 and a groundwater contour map prepared using the measured water levels is presented in Figure 1. Groundwater samples were collected using low-flow purging and sampling methodology. Temperature, pH, Specific Conductivity, Oxidation Reduction Potential (ORP) and Dissolved Oxygen (DO) were measured in the field. Groundwater samples were collected once field parameters stabilized. Field monitoring forms are provided in Attachment 1.

Groundwater samples were analyzed for Volatile Organic Compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method 8260 in accordance with the SMP. A duplicate sample was collected and analyzed from well MW-2.

Groundwater samples were analyzed by Alpha Analytical Laboratories, Inc. (Alpha). The results for VOCs detected at or above the laboratory reporting limit are summarized in Tables 2 through 6. The laboratory analytical report is provided in Attachment 2. The results and laboratory report also will be included in the next Periodic Review Report. Concentrations of total VOCs were lower in well MW-2 and well BR-2 and slightly higher in wells MW-9, MW-10, and MW-11, compared to the previous sampling event (11/14/2019).

The SSDSs were inspected on September 2, 2021 with the exception of the system in the PDQ printing store, which was closed at the time; the former jewelry store, which was out of business and being renovated; and the alarm for the laundromat, which was in an inaccessible locked room. The SSDS in the PDQ printing store was subsequently inspected the following day (September 3, 2021). A follow up inspection was performed September 21, 2021 to reconnect the SSDS alarm, which had been unplugged and on September 22 to access the former jewelry store. The results of the inspections are summarized on the inspection form in Attachment 3. All systems are operating properly and minor maintenance/parts issues noted on the inspection form are in the process of being addressed.

The results of the September groundwater monitoring and SSDS inspections will be included in the next Periodic Review Report.

Best Regards,
STERLING ENVIRONMENTAL ENGINEERING, P.C.



Thomas M. Johnson, P.G., C.P.G.
Senior Hydrogeologist
Thomas.Johnson@Sterlingenvironmental.com

TMJ/bc

Via Email

Attachments: Tables 1 – 6

Figure 1

Attachments 1, 2 and 3

cc: P. Kempner

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TABLES

TABLE 1
Ground Water Elevations
Ground Water Monitoring Program
New Paltz Plaza

Well ID	Measuring Point Elevation	September 2, 2021	
		Depth to Water (ft.)	Water Level Elevation
MW-2	97.31	2.24	95.07
MW-9	92.04	1.97	90.07
MW-10	92.56	5.97	86.59
MW-11	92.52	8.95	83.57
BR-2	94.95	1.05	93.90

Notes:

1. Measuring point elevations are from 1/20/98 survey data, except for MW-11 and MW-12. MW-11 and MW-12 were surveyed on 8/30/2007. Elevations are relative to an arbitrary site datum of 100 feet.
2. Wells MW 1, MW-3, MW 4, MW 6, MW 7, MW 12, BR 1 and BR-4 were abandoned on December 4, 2014. Wells MW-2, MW-9, MW-10, MW-11 and BR-2 remain in place for continued monitoring.

TABLE 2

Well MW-2
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

		12/91	9/94	2/5/1996	3/7/1996	3/19/1996	3/19/1996	3/22/1996	4/26/1996	2/7/1997	1/20/1998	5/14/1998	8/27/1998	12/4/1998	2/26/1999	2/26/1999	2/26/1999	
Halogenated Volatile Organics																		
Vinyl Chloride	<1000	U	<500	<500	<200	<2,000	<500	<1,000	21	20	<10	10	13	<10	<10	11		
cis-1,2-Dichloroethene	<500	600	<500	<500	420	<1,000	260	280	160	200	100	150	150	120	120	130		
1,1,1-Trichloroethane	<500	<500	550	750	590	<1,000	270	300	160	130	20	47	30	18	18	20		
Trichloroethene	1,400	<500	<500	<500	<200	<1,000	160	<200	120	140	53	150	150	87	87	86		
Tetrachloroethene	3,100	7,600	21,000	31,000	21,000	21,000	13,000	15,000	9,100	5,600	2,100	4,500	3,600	2,700	2,700	2,700		
1, 1-Dichloroethane	<500	U	<500	U	U	U	<100	<200	6	4.0	<10	5.1J	<10	<10	<10	2.3		
1, 1-Dichloroethene	<500	U	<500	U	U	U	<100	<200	12	7.0	<10	<10	<10	<10	<10	1.5		
trans-1, 2-Dichloroethene	<500	U	<500	U	U	U	<100	<200	<1.0	2.0	<10	<10	<10	<10	<10	1.0		
1,1,1,2-Tetrachloroethane	NA	U	NA	U	U	U	NA	NA	4.1	<1.0	<10	<10	<10	<10	<10	<1.0		
Chloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0		
TOTAL VOCs	4500	8200	21550	31750	22010	21000	13690	15580	9583.1	6103	2273	4862.1	3943	2925	2925	2951.8		
	(Dup)	(Dup)	(Dup)	(Dup)	(Dup)	(Dup)	(Dup)	(Dup)	(Dup)	(Dup)	(Dup)	(Dup)	(Dup)	(Dup)	(Dup)	(Dup)		
	8/2/2001	8/2/2001	11/6/2001	11/6/2001	2/19/2002	5/15/2002	8/15/2002	8/21/2003		5/19/2004	11/16/2004	2/21/2005	8/30/2005	8/31/2006		12/14/2006	3/28/2007	6/21/2007
Halogenated Volatile Organics																		
Vinyl Chloride	31	25	<10	<10	<10	5.5	<10	5.6		60	19	37	110	620		40	37	67
cis-1,2-Dichloroethene	440	370	260	240	140	110	500	290		5200	53	87	370	1400		130	110	210
1,1,1-Trichloroethane	26	29	7.8J	7.1J	5.2J	20	13	29		20	<1.0	2.0	1.0	<1.0		1.0J	<5.0	<5.0
Trichloroethene	320	340	130	120	67	34	180	170		170	8.9	13	19	24		23	12	20
Tetrachloroethene	4,700	5,500	2,300	2,300	1,300	670	2,500	3,900		58	33	84	100	110		220	270	270
1, 1-Dichloroethane	<10	3.6	<10	<10	<10	1.2J	<10	<10		14	5.6	7.9	9.4	9		6	<5.0	5
1, 1-Dichloroethene	<10	3.5	<10	<10	<10	<2.0	<10	<10		7.0	<1.0	<1.0	0.51J	<1.0		<5.0	<5.0	<5.0
trans-1, 2-Dichloroethene	<10	3.5	<10	<10	<10	<2.0	<10	<10		34	8.6	8.2	14	24		9	6	7
1,1,1,2-Tetrachloroethane	<10	<10	<10	<10	<10	<2.0	<10	<10		<1.0	<1.0	<1.0	<1.0	<1.0		<5.0	<5	<5.0
Chloroethane	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0		≤1.0	24	20	14	20J		2	2	18
TOTAL VOCs	5517	6274.6	2697.8	2667.1	1512.2	840.7	3193	4394.6		5563	152.1	259.1	637.9	2189		436	442	597
															(DUP)	(DUP)		
	8/30/2007	3/7/2008	9/25/2008	6/10/2009	6/9/2011	4/3/2013	12/4/2014	4/5/2016		9/5/2017	11/20/2018	11/20/2018	11/14/2019	11/14/2019		9/2/2021		
Halogenated Volatile Organics																		
Vinyl Chloride	56	20	300	11	120	160	240	260		470	800 E	640	350	400		120		
cis-1,2-Dichloroethene	250	60	900	35	300	1200	1200	1800		1900	3100 E	2600	2600	3000		1600		
1,1,1-Trichloroethane	<5.0	<5.0	<25.0	<5.0	<5.0	<50.0	<18	<50		<50	0.93 J	<62	<62	<62		<25		
Trichloroethene	31	9	<25.0	<5.0	16	55	41	79		41	100	83	240	240		140		
Tetrachloroethene	330	84	480	5.3	220	460	120	170		65	180	160	740	760		320		
1, 1-Dichloroethane	10	<5.0	<25.0	<5.0	2.9J	<50.0	<18	<50		<50	11	<62	<62	<62		<25		
1, 1-Dichloroethene	<5.0	<5.0	<25.0	<5.0	<5.0	<10.0	<3.6	4.2 J		3.7 J	5.6	<12	<12	<12		<5.0		
trans-1, 2-Dichloroethene	10	<5.0	<25.0	<5.0	5.9	<50.0	<18	14 J		24 J	24	25 J	<62	<62		10 J		
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<25.0	<5.0	<5.0	<50.0	<3.6	<10		NA	NA	NA	NA	NA		<5.0		
Chloroethane	16	13	≤25.0	<10.0	≤5.0	≤5.0	≤5.0	≤50		≤50	≤2.5	≤62	≤62	≤62		≤25		
TOTAL VOCs	703	186	1680	51.3	664.8	1875	1601	2327.2		2503.7	4111.53	3508	3930	4400		2190		

Notes:

- Results shown only for compounds which were detected at or above the laboratory practical quantitation limit (PQL).
- U = Indicates the compound was analyzed, but not detected.
- J = Indicates an estimated value less than the lowest standard.
- NA = Sample not analyzed for indicated compound.
- < = Compound was not detected at or above the given laboratory method detection limit.
- All results are in micrograms per liter (ug/l, ppb).
- The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).
- D = Indicates a dilution of the sample was required for analysis.

TABLE 3
Well MW-9
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

	(Dup)										
	1/20/1998	5/13/1998	8/26/1998	8/26/1998	12/3/1998	2/25/1999	8/2/2001	11/6/2001	2/19/2002	5/15/2002	8/15/2002
Halogenated Volatile Organics											
Vinyl Chloride	41	9.1	3.8	4.2	51	18	<1.0	13	6.1	4.8	5.1
trans-1,2-Dichloroethene	3.0	2.9	3.2	3.2	2.3	2.4	2.3	2.0	1.1	1.1	1.9
cis-1,2-Dichloroethene	700	420	340	360	410	480	220	160	89	130	140
1,1,1-Trichloroethane	1.0	<1.0	0.6J	<1.0	1.0J	0.7J	<1.0	0.71J	<1.0	<1.0	<1.0
Trichloroethene	150	130	140	150	110	110	120	99	59	58	62
Tetrachloroethene	1,000	1,100	980	1100	870	870	830	890	460	400	350
Methylene Chloride	<1.0	<1.0	<1.0	1.0J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	2.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	0.8J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TOTAL VOCs	1895.8	1662	1467.6	1618.4	1446.4	1481.1	1172.3	1164.7	615.2	593.9	559.0
 Halogenated Volatile Organics											
	8/21/2003	8/18/2004	2/21/2005	8/30/2005	8/31/2006	HRC Injection; September 2006	12/14/2006	3/28/2007	6/21/2007	8/30/2007	3/7/2008
Vinyl Chloride	6.4	1.7	3.3	1.0	2.0J		16	5.0	8	12	<5.0
trans-1,2-Dichloroethene	2.2	1.2	0.65J	0.76	2.0J		2.0J	<5.0	<5.0	<5.0	<10
cis-1,2-Dichloroethene	260	99	70	74	200		180	140	110	120	110
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0		<5.0	<5.0	<5.0	<5.0	<10
Trichloroethene	98	62	36	51	48		47	30	28	42	24
Tetrachloroethene	630	430	220	210	280		210	230	210	300	180
Methylene Chloride	<1.0	<1.0	1.2	<1.0	<5.0		2.0JB	<5.0	<5.0	<5.0	<10
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0		<5.0	<5.0	<5.0	<5.0	<10
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0		<5.0	<5.0	<5.0	<5.0	<10
TOTAL VOCs	997	594	331	337	532		457	405	356	474	314
 Halogenated Volatile Organics											
	6/10/2009	6/9/2011	4/3/2013	12/4/2014	4/5/2016	(Dup)	4/5/2016	9/5/2017	11/20/2018	11/14/2019	9/2/2021
Vinyl Chloride	<20	2.0J	1.2	3.2	0.77 J		0.92 J	27	26	28	17
trans-1,2-Dichloroethene	<10	<5.0	<2.5	<0.7	<2.5		<2.5	<5.0	1.1 J	0.90 J	2.6 J
cis-1,2-Dichloroethene	76	170	17	18	5.5		6.5	180	140	85	250
1,1,1-Trichloroethane	<10	<5.0	<2.5	<0.7	<2.5		<2.5	<5.0	<2.5	<2.5	<5.0
Trichloroethene	24	17	11	8.7	2.5		3.2	14	10	9	22
Tetrachloroethene	190	140	95	31	7.1		11	53	31	33	46
Methylene Chloride	<10	2.8J,B	<2.5	<0.7	<2.5		<2.5	<5.0	<2.5	<2.5	<5.0
Chloroethane	<20	<5.0	<2.5	<0.7	<2.5		<2.5	<5.0	<2.5	<2.5	<5.0
1,1-Dichloroethene	<10	<5.0	<0.5	<0.7	<0.5		<0.5	<1.0	<0.5	<0.5	<1.0
TOTAL VOCs	290	331.8	124.2	60.9	15.87		21.62	274	208.1	155.9	337.6

Notes:

1. Results shown only for compounds which were detected at or above the laboratory practical quantitation limit (PQL).
2. J = Indicates an estimated value less than the lowest standard.
3. < = Compound was not detected at or above the laboratory method detection limit shown.
4. All results are in micrograms per liter (ug/l, ppb).
5. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).
6. B = Indicates the compound was detected in the field blank sample or associated analysis batch blank.

TABLE 4

Well MW-10
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

	11/6/2001	2/19/2002	5/15/2002	8/15/2002	8/21/2003	8/18/2004	2/21/2005	8/30/2005	8/31/2006	HRC Injection: September 2006	12/14/2006	3/28/2007	6/21/2007	8/30/2007	8/30/2007	3/7/2008	
	(duplicate)																
Halogenated Volatile Organics																	
Vinyl Chloride	2	1.5	0.9J	<1.0	0.8J	1.2	1.9	1.7	<1.0		31	24	29	53	56	<5.0	
trans-1,2-Dichloroethene	2.4	1.8	1.6	3.5	2.3	2.8	2.7	2.3	<1.0		6	<5.0	<5.0	<5.0	<25	<5.0	
cis-1,2-Dichloroethene	410	250	370	500	370	490	360	420	140		690	220	330	550	580	35	
1,1,1-Trichloroethane	0.93 J	0.91J	0.7J	<1.0	<1.0	0.6J	<1.0	0.59J	<1.0		<5.0	<5.0	<5.0	<5.0	<25	<5.0	
Trichloroethene	63	57	53	64	70	61	55	66	13		23	13	23	<5.0	<25	<5.0	
Tetrachloroethene	620	420	450	470	460	600	350	380	97		70	66	67	80	75	11	
1,1-Dichloroethene	0.63 J	<1.0	<1.0	<1.0	<1.0	0.6J	0.53J	<1.0	<1.0		<5.0	<5.0	<5.0	<5.0	<25	<5.0	
Chloroethane	<1.0	<1.0	0.5J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<5.0	7	29	<5.0	<25	<5.0	
Aromatic Volatile Organics																	
MTBE	NA	NA	1.1	≤1.0	≤1.0	≤1.0	≤1.0	NA	≤1.0		≤5.0	≤5.0	≤5.0	≤5.0	≤25	≤5.0	
TOTAL VOCs	1099.0	731.2	877.8	1037.5	903.1	1156.2	770.1	870.6	250		820	330	478	683	711	46	
(Dup)																	
Halogenated Volatile Organics																	
Vinyl Chloride	<50	<25	96	26	6.6	5	0.43 J	<1.0	<1.0		0.10 J						
trans-1,2-Dichloroethene	<50	<25	<25	3.1J	<12	<1.8	<2.5	<2.5	<2.5		<2.5						
cis-1,2-Dichloroethene	890	800	930	240	320	160	31	2.8	2.3 J		18						
1,1,1-Trichloroethane	<50	<25	<25	<5.0	<12	<1.8	<2.5	<2.5	<2.5		<2.5						
Trichloroethene	<50	26	30	15	15	14	4.2	1.1	0.86		2.8						
Tetrachloroethene	84	90	130	78	66	47	16	2.9	2.5		4						
1,1-Dichloroethene	<50	<25	<25	<5.0	<2.5	<0.36	<0.50	<0.5	<0.5		<0.5						
Chloroethane	<50	<25	<50	<5.0	<12	<1.8	<2.5	<2.5	<2.5		<2.5						
Aromatic Volatile Organics																	
MTBE	≤50	≤25	≤25	≤5.0	≤12	≤1.8	≤2.5	≤2.5	≤2.5		≤2.5						
TOTAL VOCs	974.0	916.0	1186	362.1	407.6	226.0	51.6	6.8	5.66		24.4						

Notes:

1. Results shown only for compounds which were detected at or above the laboratory practical quantitation limit (PQL).
2. J = Indicates an estimated value less than the lowest standard.
3. All results are in micrograms per liter (ug/l, ppb).
4. NA = Compound not analyzed.
5. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).

TABLE 5

Well MW-11
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

Halogenated Volatile Organics	8/31/2006	12/14/2006	3/28/2007	6/21/2007	8/30/2007	3/7/2008	9/25/2008	6/10/2009	6/9/2011	4/3/2013	12/4/2014	12/4/2014	4/5/2016	DUP	9/5/2017	11/20/2018	11/14/2019	9/2/2021
Vinyl Chloride	8.0		3.0J	8	<5.0	5	16	17	<10	6.9	1.2	2.7	2.6	0.8 J	5.6	1.0	0.26 J	0.49 J
trans-1,2-Dichloroethene	NA		1.0J	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	1.1J	0.78 J	1.3 J	1.2 J	1.2 J	2.0 J	1.4 J	0.76 J	1.1 J
cis-1,2-Dichloroethene	140		35	54	16	17	84	140	160	240	130 E	110	110	120	180	100	61	79
Trichloroethene	6		3.0J	<5.0	<5.0	<5.0	5	6	9.1	4.7J	2.8	2.8	2.7	2.9	5.1	3.4	3.3	3.4
Tetrachloroethene	37		7	14	6	<5.0	18	14	17	3.5J	10	10	10	11	7.8	12	5.8	11
Methylene Chloride	<u><14</u>		<u>2JB</u>	<u><5.0</u>	<u><5.0</u>	<u><5.0</u>	<u><5.0</u>	<u><5.0</u>	<u><5.0</u>	<u>2.5J.B</u>	<u><2.5</u>	<u><0.70</u>	<u><0.7</u>	<u><2.5</u>	<u><5.0</u>	<u><2.5</u>	<u><2.5</u>	<u><2.5</u>
TOTAL VOCs	191		51	76	22	22	123	177	186.1	258.7	144.8	126.8	126.5	135.9	200.5	117.8	71.12	94.99

Notes:

1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. All results are in micrograms per liter (ug/l, ppb).
3. Compound was not detected at or above the laboratory method detection limit shown.
4. NA = Compound not analyzed.
5. B = Indicates the compound was detected in the field blank sample or associated analysis batch blank.
6. J = Indicates an estimated value less than the lowest standard.
7. < = Compound was not detected at or above the laboratory method detection limit.

TABLE 6

Well BR-2
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

	1/20/1998	5/13/1998	8/26/1998	12/3/1998	2/25/1999	8/2/2001	11/6/2001	2/19/2002	5/15/2002	8/15/2002	8/21/2003
Halogenated Volatile Organics											
Vinyl Chloride	13	6.1	10	12	5.2	3.8	6.6	5	3.4	4.1	2.3
cis-1,2-Dichloroethene	65	64	100	100	63	55	71	57	48	63	43
Trichloroethene	19	21	27	26	20	20	24	18	17	20	21
Tetrachloroethene	130E	200	210	230	180	200	230	170	170	200	150
Chloroethane	<1.0	<1.0	0.9J	1.0	<1.0	<1.0	1.2	0.97J	0.5J	<1.0	<1.0
trans-1,2-Dichloroethylene	<u><1.0</u>	<u>0.37J</u>	<u><1.0</u>								
TOTAL VOCs	97	291.1	347.9	369	268.2	278.8	332.8	251.0	238.9	287.5	216.3
	8/18/2004	8/30/2005	8/31/2006	8/30/2007	9/25/2008	6/10/2009	6/9/2011	4/3/2013	12/4/2014	4/5/2016	9/5/2017
Halogenated Volatile Organics											
Vinyl Chloride	4.1	4.1	4.0J	<5.0	<5.0	<10	1.2J	2.8	2.4	0.33 J	7.8
cis-1,2-Dichloroethene	48	66	56	62	65	<5.0	13	13	7.4	3	42
Trichloroethene	20	22	18	14	11	<5.0	3.5J	5.7	2.9	0.82	4.7
Tetrachloroethene	220	170	160	140	110	<5.0	28	48	14	1.9	7.7
Chloroethane	<1.0	<1.0	<1.0	<5.0	<5.0	<10	<5.0	<2.5	<0.7	<2.5	<2.5
trans-1,2-Dichloroethylene	<u><1.0</u>	<u><1.0</u>	<u><1.0</u>	<u><5.0</u>	<u><5.0</u>	<u><5.0</u>	<u><5.0</u>	<u><2.5</u>	<u><0.7</u>	<u>1.2 J</u>	<u><2.5</u>
TOTAL VOCs	292.1	262.1	238.0	216.0	186.0	ND	45.7	69.5	26.7	7.25	62.2
	11/20/2018	11/14/2019	9/2/2021								
Halogenated Volatile Organics											
Vinyl Chloride	5.2	4.5	4.3								
cis-1,2-Dichloroethene	6.2	6.7	5.8								
Trichloroethene	0.27 J	1.4	0.41 J								
Tetrachloroethene	0.63	5.6	0.18 J								
Chloroethane	<2.5	<2.5	<2.5								
trans-1,2-Dichloroethylene	<u><2.5</u>	<u><2.5</u>	<u><2.5</u>								
TOTAL VOCs	12.3	18.2	10.7								

Notes:

1. Results shown only for compounds which were detected at or above the laboratory practical quantitation limit (PQL).
2. J = Indicates an estimated value less than the lowest standard.
3. E = Indicates an estimated value greater than the highest standard.
4. < = Compound was not detected at or above the laboratory method detection limit shown.
5. All results are in micrograms per liter (ug/l, ppb).
6. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).
7. Chloroform, Dibromochloromethane and Bromodichloromethane were detected in the sample collected on December 4, 2014 at 23 ppb, 0.58 ppb and 4.6 ppb, respectively. These compounds were not previously detected.

FIGURE



LEGEND:

MW-2
GW. EL. = 95.07'

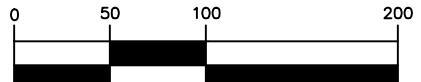
MONITORING WELL
GROUNDWATER ELEVATION SEPTEMBER 2, 2021

— 92' — GROUNDWATER CONTOURS



INFERRED GROUNDWATER FLOW DIRECTION

— - - APPROXIMATE PROPERTY BOUNDARY



1 inch = 100 ft.

MAP REFERENCE: NEW YORK STATEWIDE DIGITAL ORTHOIMAGERY PROGRAM, PHOTOGRAPHY CIRCA 2013

STERLING

Sterling Environmental Engineering, P.C.

24 Wade Road • Latham, New York 12110

OVERBURDEN GROUNDWATER CONTOUR MAP
SEPTEMBER 2, 2021
NEW PALTZ PLAZA

NYS ROUTE 299

TOWN OF NEW PALTZ

ULSTER CO., N.Y.

ATTACHMENT 1
Field Monitoring Forms

GROUNDWATER QUALITY DATA FORM

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Project Name: New Paltz Plaza
 Project No.: 2014-45
 Date: 9/2/2021
 Field Personnel: AMC, PLWS
 Measuring Device: YSI Pro DSS; Depth to Water Meter

Well ID #	Depth  to Water (feet BMP)	Water Level Elev.	Sample Time	Spec. Cond. (mS/cm)	ORP (mV)	pH	Turbidity (NTU _w)	Temp. °C	DO mg/L
BR-2	1.05	93.90	1025	2.026	-115.6	7.17	2.28	20.6	0.30
MW-2	2.24	95.07	1500	3.127	-64.5	7.03	48.08	23.1	6.99
MW-9	1.97	90.07	1415	3.398	-14.7	6.68	17.98	24.2	0.22
MW-10	5.97	86.61	1125	1.611	131.8	7.10	11.29	21.3	0.98
MW-11	8.95	83.57	1330	2.572	108.3	6.99	19.69	19.6	3.08

REMARKS:

*Depth to water taken prior to purging and sample time.

LOW-FLOW GROUNDWATER SAMPLING RECORD
 Sterling Environmental Engineering, P.C.
 24 Wade Road
 Latham, New York 12110

PROJECT NAME New Paltz Plaza
 PROJECT NUMBER 2014-45
 SITE LOCATION New Paltz, NY

WELL ID BR-2
 DATE 9/2/2021
 Page 1 of 5
1 of 5

GENERAL

Weather Conditions ~70°F, sunny

Site Access/Conditions Good access

Physical Condition of Well No cover/no plug; open to atmosphere.
Well well outer casing damaged.

PURGING INFORMATION

Total well depth (from top of casing):

11.31 feet

Depth to water surface before purging (from top of casing):

-1.05 feet

Height of water column:

(a) = 10.26 feet

Screen length:

(b) feet

Well diameter (d): 4 inches

Lesser of a and b d² × 0.0408 × 10.26 gal/ft

WELL VOLUMES:
 2" Diam. = 0.16 gal/ft
 4" Diam. = 0.65 gal/ft.
 6" Diam. = 1.47 gal/ft.

One wetted screen volume before purging (1 gallon = 3.785 liters):

= 1.6 gallons or

Volume of water equal to five wetted screen volumes:

= 8.2 gallons or

liters
liters

Pump Type:

WQ Meter Type:

Time	Volume Purged (Gallons/Liters)	Depth to Water (feet/bmp)	SC (mS/cm)	Temp. (°C or °F)	pH (SU)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Turbidity (NTU)
Stabilization Criteria*		Drawdown <0.3 ft.	+/- 10%	+/- 0.2 °C	+/- 0.2 SU	+/- 0.2 mg/L	+/- 20 mV	+/- 10%
1210	0.26	1.55	1.634	20.8	7.38	0.50	-128.3	7.22
1215	0.26	1.61	1.895	20.8	7.25	0.38	-118.8	4.85
1220	0.26	1.68	2.023	20.7	7.20	0.33	-116.5	3.03
1225	0.26	1.70	2.026	20.8	7.17	0.30	-115.6	2.28

* - Stabilization based on three consecutive readings collected at 3 to 5 minute intervals. Minimum of 30 minutes of purging, maximum of five wetted screen volumes.

Total Volume of Water Purged:

~1.05 gallons/liters

Depth of pump intake:

9 feet btee

OBSERVATIONS

Color	<u>Clear</u>	Odor	<u>None</u>
Turbidity	<u>Low</u>	Sheen	<u>None</u>
Presence of NAPL	<u>No</u>	Other	<u>NM</u>
Remarks	<u>NA</u>		

SAMPLING INFORMATION

Field Personnel PWS + AMC
 Sampling Method LOW FLOW (1 3/4" Bladder Pump)
 Sample Date 9-2-2021 Time 1225
 Sample Description NA
 Analysis VOCs

CALIBRATION:	INSTRUMENT ID: ProDSS
Temperature	<u>—</u>
pH	<u>7.00, 4.00, 10.00</u>
Conductance	<u>7.000</u>
Turbidity	<u>/</u>
Redox	<u>/</u>
Dissolved Oxygen	<u>/</u>

LOW-FLOW GROUNDWATER SAMPLING RECORD

Sterling Environmental Engineering, P.C.

24 Wade Road

Latham, New York 12110

PROJECT NAME New Paltz Plaza WELL ID MW-2
 PROJECT NUMBER 2014-45 DATE 9-2-2021
 SITE LOCATION New Paltz, NY Page 5 of 5

GENERAL

Weather Conditions 70°F, Sunny

Site Access/Conditions Good Access

Physical Condition of Well 4" J-Plug Damaged, but soils

PURGING INFORMATION

Total well depth (from top of casing):

12.07 feet

- 2.24 feet

= 9.83 feet

(b) feet

Lesser of a and b feet

d² × 0.0408 × 9.83 gal/ft

Well diameter (d): 4 inches

 feet

WELL VOLUMES:

2" Diam. = 0.16 gal/ft

4" Diam. = 0.65 gal/ft

6" Diam. = 1.47 gal/ft

One wetted screen volume before purging (1 gallon = 3.785 liters):

= 0.4 gallons or

Volume of water equal to five wetted screen volumes:

= 2.0 gallons or

Pump Type:

WQ Meter Type:

Time	Volume Purged (Gallons/Liters)	Depth to Water (feet bmp)	SC (mS/cm)	Temp. (°C or °F)	pH (SU)	Dissolved Oxygen (mg/L)	RedOx Potential (mV)	Turbidity (NTU)
Stabilization Criteria*	Drawdown <0.3 ft	+/- 10%	+/- 0.2 °C	+/- 0.2 SU	+/- 0.2 mg/L	+/- 20 mV	+/- 10%	
1445	0.26	2.91	2.97	22.7	6.84	4.94	-58.8	81.05
1450	0.26	2.98	3.020	23.1	6.94	6.31	-58.6	63.01
1455	0.26	3.02	3.094	23.1	6.99	6.68	-60.5	560.21
1500	0.26	3.02	3.127	23.1	7.03	6.99	-64.5	48.08

* - Stabilization based on three consecutive readings collected at 3 to 5 minute intervals. Minimum of 30 minutes of purging, maximum of five wetted screen volumes.

Total Volume of Water Purged: 1.5 gallons/liters

Depth of pump intake: 11.0 feet btoc

OBSERVATIONS

Color Clear

Odor

Sweet Odor

Turbidity Low

Sheen

None

Presence of NAPL

Other

NA

Remarks DUP-2021-09-02 sampled at 1505

SAMPLING INFORMATION

Field Personnel PWS+AMC

Sampling Method Low Flow (1 1/4" Bladder Pump)

Sample Date 9-2-2021

Time

1500

Sample Description NA

Analysis VOCs

CALIBRATION:	INSTRUMENT ID: Pro DSS
Temperature	
pH	<u>7.01, 4.01, 10.00</u>
Conductance	<u>7.000</u>
Turbidity	
Redox	
Dissolved Oxygen	

LOW-FLOW GROUNDWATER SAMPLING RECORD

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 2014-45
SITE LOCATION New Paltz, NY

WELL ID MW-9
DATE 9-2-2021

Page 1 of 5
3 of 5

GENERAL

Weather Conditions

70° F, Sunny

Site Access/Conditions

Good Access

Physical Condition of Well

Needs Bolts, Bolt holes stripped

PURGING INFORMATION

Total well depth (from top of casing):

9.57 feet

Depth to water surface before purging (from top of casing):

- 1.97 feet

Height of water column:

(a) = 7.60 feet

Screen length

(b) — feet

Lesser of a and b

$d^2 \times 0.0408 \times 7.60$ gal/ft

Well diameter (d): 2 inches

WELL VOLUMES:
2" Diam. = 0.16 gal/ft
4" Diam. = 0.65 gal/ft
6" Diam. = 1.47 gal/ft

One wetted screen volume before purging (1 gallon = 3.785 liters):

= 1.2 gallons or

Volume of water equal to five wetted screen volumes:

= 6.1 gallons or

— liters

— liters

Pump Type:

WQ Meter Type:

Time	Volume Purged (Gallons/Liters)	Depth to Water (feet bmp)	SC (mS/cm)	Temp. (°C or °F)	pH (SU)	Dissolved Oxygen (mg/L)	RedOx Potential (mV)	Turbidity (NTU)
Stabilization Criteria*		Drawdown <0.3 ft	+/- 10%	+/- 0.2 °C	+/- 0.2 SU	+/- 0.2 mg/L	+/- 20 mV	+/- 10%
1355	0.26	2.65	3.404	24.7	6.74	0.37	-8.2	286.40
1400	0.26	3.02	3.700	24.3	6.69	0.22	-14.2	79.48
1405	0.26	3.00	3.398	24.2	6.68	0.22	-14.7	28.32
1410	0.26	3.01	3.398	24.2	6.68	0.21	-14.7	18.17
1415	0.26	3.01	3.398	24.2	6.68	0.22	-14.7	17.98

* - Stabilization based on three consecutive readings collected at 3 to 5 minute intervals. Minimum of 30 minutes of purging, maximum of five wetted screen volumes.

Total Volume of Water Purged:

1.10 gallons/liters

Depth of pump intake:

8.0 feet btoc

OBSERVATIONS

Color

Clear

Odor

None

Turbidity

Low

Sheen

None

Presence of NAPL

None

Other

NA

Remarks

NA

SAMPLING INFORMATION

Field Personnel

PWS+AMC

Sampling Method

Low Flow (13/16" Bladder Pump)

Sample Date

9-2-2021

Time

1415

Sample Description

VOCs

CALIBRATION:

INSTRUMENT ID: ProDSS

Temperature

pH

7.01, 4.01, 10.00

Conductance

7.000

7.000

Turbidity

Redox

Dissolved Oxygen

LOW-FLOW GROUNDWATER SAMPLING RECORD
 Sterling Environmental Engineering, P.C.

24 Wade Road
 Latham, New York 12110

PROJECT NAME New Paltz Plaza
 PROJECT NUMBER 2014-45
 SITE LOCATION New Paltz NY

WELL ID MW-10
 DATE 9/2/2021
 Page 1 of 5
4 of 5

GENERAL

Weather Conditions

~70° F, sunny

Site Access/Conditions

good access

Physical Condition of Well

good condition

PURGING INFORMATION

Total well depth (from top of casing):

17.44 feet

- 5.97 feet

= 11.47 feet

(b) — feet

Lesser of a and b

$d^2 \times 0.0408 \times 11.47$ gal/ft

= 1.8 gallons or

= 9.2 gallons or

WELL VOLUMES:
 2" Diam. = 0.16 gal/ft
 4" Diam. = 0.65 gal/ft
 6" Diam. = 1.47 gal/ft.

Well diameter (d): 2 inches

liters

liters

One wetted screen volume before purging (1 gallon = 3.785 liters):

1.8 gallons or

Volume of water equal to five wetted screen volumes:

9.2 gallons or

Pump Type:

WQ Meter Type:

Time	Volume Purged (Gallons/Liters)	Depth to Water (feet bmp)	SC (mS/cm)	Temp. (°C or °F)	pH (SU)	Dissolved Oxygen (mg/L)	RedOx Potential (mV)	Turbidity (NTU)
Stabilization Criteria*	Drawdown <0.3 ft	+/- 10%	+/- 0.2 °C	+/- 0.2 SU	+/- 0.2 mg/L	+/- 20 mV	+/- 10%	
1105	6.26	6.69	1.719	20.2	6.85	1.95	105.4	171.66
1110	0.26	6.77	1.638	21.2	6.99	1.47	129.6	35.24
1115	0.26	6.77	1.621	21.3	7.04	1.13	130.8	19.20
1120	0.26	6.78	1.605	21.3	7.09	0.95	131.6	12.60
1125	0.26	6.78	1.611	21.3	7.10	0.78	131.8	11.29

* - Stabilization based on three consecutive readings collected at 3 to 5 minute intervals. Minimum of 30 minutes of purging, maximum of five wetted screen volumes.

Total Volume of Water Purged:

1.3 gallons

~~liters~~

Depth of pump intake:

15 feet

~~bmp~~

OBSERVATIONS

Color

clear

Odor

no odor

Turbidity

low / none

Sheen

none

Presence of NAPL

none

Other

NA

Remarks

SAMPLING INFORMATION

Field Personnel PWS+AMC

Sampling Method Low Flow (1 3/4" Bladder Pump)

Sample Date 9-2-2021 Time 1125

Sample Description

Analysis VOCs

CALIBRATION:	INSTRUMENT ID: <u>ProDSS</u>
Temperature	
pH	<u>7.01, 4.01, 10.00</u>
Conductance	<u>7.000</u>
Turbidity	<u>—</u>
Redox	<u>—</u>
Dissolved Oxygen	<u>—</u>

LOW-FLOW GROUNDWATER SAMPLING RECORD

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 2014-45
SITE LOCATION New Paltz, NY

WELL ID MW-11
DATE 9-2-2021
Page 3 of 5
5 of 5

GENERAL

Weather Conditions

Site Access/Conditions

Physical Condition of Well

70° F Sunny

Good Access

Well in good condition

PURGING INFORMATION

Total well depth (from top of casing):

17.92 feet

Depth to water surface before purging (from top of casing):

- 8.95 feet

Height of water column:

(a) = 8.97 feet

Screen length

(b) feet

Well diameter (d): 2 inches

Lesser of a and b
 $d^2 \times 0.0408 \times 8.97$ gal/ft

WELL VOLUMES:
2" Diam. = 0.16 gal/ft
4" Diam. = 0.65 gal/ft
6" Diam. = 1.47 gal/ft

One wetted screen volume before purging (1 gallon = 3.785 liters):

= 1.4 gallons or

Volume of water equal to five wetted screen volumes:

= 7.2 gallons or

✓ liters
✓ liters

Pump Type:

WQ Meter Type:

Time	Volume Purged (Gallons/Liters)	Depth to Water (feet bmp)	SC (mS/cm)	Temp. (°C or °F)	pH (SU)	Dissolved Oxygen (mg/L)	RedOx Potential (mV)	Turbidity (NTU)
Stabilization Criteria*	Drawdown <0.3 ft	+/- 10%	+/- 0.2 °C	+/- 0.2 SU	+/- 0.2 mg/L	+/- 20 mV	+/- 10%	
1305	0.26	9.44	2.599	19.0	7.01	3.26	59.4	97.92
1310	0.26	9.44	2.589	19.6	7.00	3.16	75.0	70.54
1315	0.26	9.44	2.582	19.6	6.99	3.10	88.2	47.67
1320	0.26	9.44	2.578	19.6	6.98	3.00	97.6	33.19
1325	0.26	9.44	2.574	19.6	6.99	3.07	105.4	23.63
1330	0.26	9.44	2.572	19.6	6.99	3.008	108.3	19.67

* - Stabilization based on three consecutive readings collected at 3 to 5 minute intervals. Minimum of 30 minutes of purging, maximum of five wetted screen volumes.

Total Volume of Water Purged: 1.56 gallons/liters

Depth of pump intake: 15.5 feet bmp

OBSERVATIONS

Color Clear

Odor None

Turbidity Low

Sheen None

Presence of NAPL No

Other NA

Remarks None

SAMPLING INFORMATION

Field Personnel PWS + AMC

Sampling Method Low Flow (2" Bladder Pump)

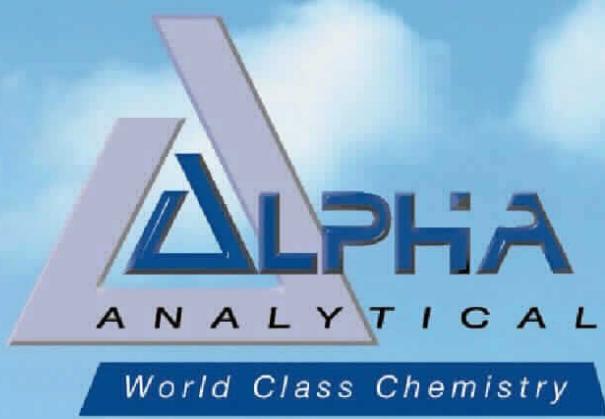
Sample Date 9-2-2021 Time 1330

Sample Description NA

Analysis VOCs

CALIBRATION:	INSTRUMENT ID: ProDSS
Temperature	
pH	<u>7.01, 4.01, 10.00</u>
Conductance	<u>7.000</u>
Turbidity	
Redox	
Dissolved Oxygen	

ATTACHMENT 2
Laboratory Analytical Report



www.alphalab.com



Alpha Analytical

Laboratory Code: 11148

SDG Number: L2147478

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Table of Contents

New York ASP Category A Data Deliverable Package.....	1
Table of Contents	2
Sample ID Cross Reference	3
SDG Narrative	4
Data Qualifier Definitions	6
Instrument Information	9
Sample Log-in Sheet	12
Lims COC (LN01)	13
External Chain of Custody	15
Organics Analysis	16
Volatile Data	17
Volatile Sample Data	18
Form 1 - Organics	19

Project Name: NEW PALTZ PLAZA
Project Number: 2014-45

Lab Number: L2147478
Report Date: 09/10/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2147478-01	MW-10	WATER	NEW PALTZ, NY	09/02/21 11:25	09/02/21
L2147478-02	BR-2	WATER	NEW PALTZ, NY	09/02/21 12:25	09/02/21
L2147478-03	MW-11	WATER	NEW PALTZ, NY	09/02/21 13:30	09/02/21
L2147478-04	MW-9	WATER	NEW PALTZ, NY	09/02/21 14:15	09/02/21
L2147478-05	MW-2	WATER	NEW PALTZ, NY	09/02/21 15:00	09/02/21
L2147478-06	DUP-2021-09-02	WATER	NEW PALTZ, NY	09/02/21 00:00	09/02/21
L2147478-07	TB-2021-09-02	WATER	NEW PALTZ, NY	09/02/21 00:00	09/02/21

Project Name: NEW PALTZ PLAZA
Project Number: 2014-45

Lab Number: L2147478
Report Date: 09/10/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.



Project Name: NEW PALTZ PLAZA
Project Number: 2014-45

Lab Number: L2147478
Report Date: 09/10/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Report Date: 09/10/21

Title: Technical Director/Representative



GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: NEW PALTZ PLAZA
Project Number: 2014-45

Lab Number: L2147478
Report Date: 09/10/21

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthrenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e., co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.

Report Format: DU Report with 'J' Qualifiers



Project Name: NEW PALTZ PLAZA
Project Number: 2014-45

Lab Number: L2147478
Report Date: 09/10/21

Data Qualifiers

- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers





Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: EST Encon (or equivalent)
Autosampler: EST Centurion (or equivalent)
Purge time: 11 min

Columns (length x ID x df):
RTX-VMS 20m x 0.18mm x 1um
RTX-VMS 30m x 0.25mm x 1.4um
RTX-502.2 40m x 0.18mm x 1um

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: EST Encon (or equivalent)
Autosampler: EST Centurion (or equivalent)

Column Type: Restek RTX 502.2
Column Length: 105 Meters
df: 3.00 um
ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: Tekmar Velocity / EST Encon
Autosampler: Varian Archon / EST Centurion
Purge time: 11 min

Column Type: DB-VRX
Column Length: 60 Meters
df: 1.40 um
ID: 0.25 mm
Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD

Autosampler: LEAP Headspace

Column Type: Haysep S Column
Column Length: 2 Meters packed
(100/200 mesh)
Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200
Autosampler: Entech 7016CA or 7016D

Column Type: Restek RTX-1
Column Length: 60 Meters
df: 1.00 um
ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material



Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD Injection volume: 1 uL; 2 uL LVI
Column Type: Restek RXI-5SILMS df: 0.32 um
Column Length: 30 Meters ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD Injection volume: 1 uL; 2 uL LVI
Column Type: Restek RXI-5SILMS df: 0.25 um
Column Length: 30 Meters ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL df: 0.32
Column B: Restek RTX/STX-CLP Pesticide II df: 0.25
Column Length: 30 Meters ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID Injection Volume: 1uL
Column: Restek RTX 5 df: 0.25
Column Length: 30 Meters
ID: 0.32 mm



Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD Injection volume: 1 ul
Column Type: ZB-5 df: 0.25 um
Column Length: 60 Meters ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD Injection volume: 2 ul
Column Type: ZB-Semivolatiles df: 0.25 um
Column Length: 30 Meters ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD Injection volume: 3 ul
Column Type: ZB-5 df: 0.25 um
Column Length: 30 Meters ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD Injection volume: 3 ul
Column Type: RTX-5 df: 0.25um, 0.18 um
Column Length: 30 Meters ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB df: 0.25um, 0.18 um
Column Length: 60 Meters ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890 Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II df: 0.25 um
Column Length: 60 Meters ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL df: 0.32
Column B: Restek RTX/STX-CLPPesticide II df: 0.25
Column Length: 30 Meters ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890 Injection volume: 1 ul
Column Type: RTX-5 df: 0.25 um
Column Length: 60 Meters ID: 0.25 mm



Sample Delivery Group Summary

Alpha Job Number : L2147478

Received : 02-SEP-2021
Reviewer : Julie DeCenzo

Account Name : Sterling Environmental Engineering
Project Number : 2014-45
Project Name : NEW PALTZ PLAZA

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.2	

Condition Information

- | | |
|--|------------|
| 1) All samples on COC received? | YES |
| 2) Extra samples received? | NO |
| 3) Are there any sample container discrepancies? | NO |
| 4) Are there any discrepancies between sample labels & COC? | NO |
| 5) Are samples in appropriate containers for requested analysis? | YES |
| 6) Are samples properly preserved for requested analysis? | YES |
| 7) Are samples within holding time for requested analysis? | YES |
| 8) All sampling equipment returned? | NA |

Volatile Organics/VPH

- | | |
|--|-----------|
| 1) Reagent Water Vials Frozen by Client? | NO |
|--|-----------|

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Sep 10 2021, 12:52 pm

Login Number: L2147478

Account: STERLINGENV Sterling Environmental Engineering Project: 2014-45

Received: 02SEP21 Due Date: 10SEP21

Sample #	Client ID	Mat PR Collected
----------	-----------	------------------

L2147478-01	MW-10	1 S0 02SEP21 11:25
8260-	reprotoing list built ASP-A Package Due Date: 09/10/21	
ASP-A, NYTCL-8260-R2		
L2147478-02	BR-2	1 S0 02SEP21 12:25
8260-	reprotoing list built Package Due Date: 09/10/21	
NYTCL-8260-R2		
L2147478-03	MW-11	1 S0 02SEP21 13:30
8260-	reprotoing list built Package Due Date: 09/10/21	
NYTCL-8260-R2		
L2147478-04	MW-9	1 S0 02SEP21 14:15
8260-	reprotoing list built Package Due Date: 09/10/21	
NYTCL-8260-R2		
L2147478-05	MW-2	1 S0 02SEP21 15:00
8260-	reprotoing list built Package Due Date: 09/10/21	
NYTCL-8260-R2		
L2147478-06	DUP-2021-09-02	1 S0 02SEP21 00:00
8260-	reprotoing list built Package Due Date: 09/10/21	
NYTCL-8260-R2		
L2147478-07	TB-2021-09-02	1 S0 02SEP21 00:00
8260-	reprotoing list built Package Due Date: 09/10/21	

ALPHA ANALYTICAL LABORATORIES INC.
LOGIN CHAIN OF CUSTODY REPORT
Sep 10 2021, 12:52 pm

Login Number: L2147478

Account: STERLINGENV Sterling Environmental Engineering Project: 2014-45

Received: 02SEP21 Due Date: 10SEP21

Mat PR Collected

Sample # Client ID

NYTCL-8260-R2

Page 2

Logged By: Julie DeCenzo



**NEW YORK
CHAIN OF
CUSTODY**

Service Centers
 Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
 Albany, NY 12205: 14 Walker Way
 Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Westborough, MA 01581
 8 Walkup Dr.
 TEL: 508-898-9220
 FAX: 508-898-9193

Mansfield, MA 02048
 320 Forbes Blvd
 TEL: 508-822-9300
 FAX: 508-822-3288

**Page 1
of 1**

**Date Rec'd
in Lab**

9/3/21

**ALPHA Job #
L2147478**

Client Information

Client: Sterling Env. (Use Project name as Project #)

Address: 241 Wade Rd Project Manager: Tom Johnson
Latham, NY 12110 ALPHAQuote #:

Phone: 518 456-4900 Turn-Around Time

Fax: Standard Due Date:
Email: Rush (only if pre approved) # of Days:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

johnson@sterlingenvironmental.com

Please specify Metals or TAL.

Deliverables

ASP-A ASP-B
 EQUS (1 File) EQUS (4 File)
 Other

Billing Information

Same as Client Info
PO #

Regulatory Requirement

NY TOGS NY Part 375
 AWQ Standards NY CP-51
 NY Restricted Use Other
 NY Unrestricted Use
 NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.

Disposal Facility:
 NJ NY
 Other:

ANALYSIS

Sample Filtration

Done
 Lab to do
Preservation
 Lab to do

(Please Specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials									Total Bottles	
		Date	Time												
47478-01	MW-10	9-2-21	1125	GW	Amc	X									3
02	BR-2		1225	/	/	X									3
03	MW-11		1330	/	/	X									3
C4	MW-9		1415	/	/	X									3
05	MW-2		1500	↓	↓	X									3
06	DVP-2021-09-02		-	GW	Amc	X									3
07	TB-2021-09-02		-	LW	Amc	X									2

Preservative Code:

Container Code

Westboro: Certification No: MA935

A = None

P = Plastic

B = HCl

A = Amber Glass

C = HNO₃

V = Vial

D = H₂SO₄

G = Glass

E = NaOH

B = Bacteria Cup

F = MeOH

C = Cube

G = NaHSO₄

O = Other

H = Na₂S₂O₃

E = Encore

K/E = Zn Ac/NaOH

D = BOD Bottle

O = Other

Mansfield: Certification No: MA015

Container Type

✓

Preservative

B

Relinquished By:

Date/Time

Received By:

Date/Time

LH Luttrell

9-2-21 10:05

Secured Storage

9/2/21 19:05

Secured Storage

9/2/21 22:10

Secured Storage

9/2/21 22:10

Tom Miller

9/2/21 22:10

Tom Miller

9/3/21 01:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Organics

Volatiles Data

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-01	Date Collected	: 09/02/21 11:25
Client ID	: MW-10	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 15:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: LAC
Lab File ID	: V01210909A23	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			
		Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	3.5	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.10	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-01	Date Collected	: 09/02/21 11:25
Client ID	: MW-10	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 15:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: LAC
Lab File ID	: V01210909A23	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			
		Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	2.8	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	18	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-01	Date Collected	: 09/02/21 11:25
Client ID	: MW-10	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 15:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: LAC
Lab File ID	: V01210909A23	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-02	Date Collected	: 09/02/21 12:25
Client ID	: BR-2	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 15:06
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: LAC
Lab File ID	: V01210909A22	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			
		Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.18	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	4.3	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-02	Date Collected	: 09/02/21 12:25
Client ID	: BR-2	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 15:06
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: LAC
Lab File ID	: V01210909A22	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			
		Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.41	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	5.8	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-02	Date Collected	: 09/02/21 12:25
Client ID	: BR-2	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 15:06
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: LAC
Lab File ID	: V01210909A22	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-03	Date Collected	: 09/02/21 13:30
Client ID	: MW-11	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 14:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: LAC
Lab File ID	: V01210909A21	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			
		Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	0.86	2.5	0.70	J
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	11	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.49	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-03	Date Collected	: 09/02/21 13:30
Client ID	: MW-11	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 14:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: LAC
Lab File ID	: V01210909A21	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			
		Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	1.1	2.5	0.70	J
79-01-6	Trichloroethene	3.4	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	79	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-03	Date Collected	: 09/02/21 13:30
Client ID	: MW-11	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 14:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: LAC
Lab File ID	: V01210909A21	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-04D	Date Collected	: 09/02/21 14:15
Client ID	: MW-9	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 14:19
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: LAC
Lab File ID	: V01210909A20	Instrument ID	: VOA101
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			
		Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	1.4	U
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	U
67-66-3	Chloroform	ND	5.0	1.4	U
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	46	1.0	0.36	
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND	5.0	1.4	U
75-01-4	Vinyl chloride	17	2.0	0.14	
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-04D	Date Collected	: 09/02/21 14:15
Client ID	: MW-9	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 14:19
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: LAC
Lab File ID	: V01210909A20	Instrument ID	: VOA101
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			
		Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	2.6	5.0	1.4	J
79-01-6	Trichloroethene	22	1.0	0.35	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	1.4	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	250	5.0	1.4	
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	ND	10	2.9	U
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	ND	10	3.9	U
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
79-20-9	Methyl Acetate	ND	4.0	0.47	U
110-82-7	Cyclohexane	ND	20	0.54	U
123-91-1	1,4-Dioxane	ND	500	120	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-04D	Date Collected	: 09/02/21 14:15
Client ID	: MW-9	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 14:19
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: LAC
Lab File ID	: V01210909A20	Instrument ID	: VOA101
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	5.0	1.4	U
108-87-2	Methyl cyclohexane	ND	20	0.79	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-05D	Date Collected	: 09/02/21 15:00
Client ID	: MW-2	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 13:56
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: LAC
Lab File ID	: V01210909A19	Instrument ID	: VOA101
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			
		Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	25	7.0	U
75-34-3	1,1-Dichloroethane	ND	25	7.0	U
67-66-3	Chloroform	ND	25	7.0	U
56-23-5	Carbon tetrachloride	ND	5.0	1.3	U
78-87-5	1,2-Dichloropropane	ND	10	1.4	U
124-48-1	Dibromochloromethane	ND	5.0	1.5	U
79-00-5	1,1,2-Trichloroethane	ND	15	5.0	U
127-18-4	Tetrachloroethene	320	5.0	1.8	
108-90-7	Chlorobenzene	ND	25	7.0	U
75-69-4	Trichlorofluoromethane	ND	25	7.0	U
107-06-2	1,2-Dichloroethane	ND	5.0	1.3	U
71-55-6	1,1,1-Trichloroethane	ND	25	7.0	U
75-27-4	Bromodichloromethane	ND	5.0	1.9	U
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	U
75-25-2	Bromoform	ND	20	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.7	U
71-43-2	Benzene	ND	5.0	1.6	U
108-88-3	Toluene	ND	25	7.0	U
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U
74-83-9	Bromomethane	ND	25	7.0	U
75-01-4	Vinyl chloride	120	10	0.71	
75-00-3	Chloroethane	ND	25	7.0	U
75-35-4	1,1-Dichloroethene	ND	5.0	1.7	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-05D	Date Collected	: 09/02/21 15:00
Client ID	: MW-2	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 13:56
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: LAC
Lab File ID	: V01210909A19	Instrument ID	: VOA101
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			
		Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	10	25	7.0	J
79-01-6	Trichloroethene	140	5.0	1.8	
95-50-1	1,2-Dichlorobenzene	ND	25	7.0	U
541-73-1	1,3-Dichlorobenzene	ND	25	7.0	U
106-46-7	1,4-Dichlorobenzene	ND	25	7.0	U
1634-04-4	Methyl tert butyl ether	ND	25	7.0	U
179601-23-1	p/m-Xylene	ND	25	7.0	U
95-47-6	o-Xylene	ND	25	7.0	U
156-59-2	cis-1,2-Dichloroethene	1600	25	7.0	
100-42-5	Styrene	ND	25	7.0	U
75-71-8	Dichlorodifluoromethane	ND	50	10.	U
67-64-1	Acetone	ND	50	15.	U
75-15-0	Carbon disulfide	ND	50	10.	U
78-93-3	2-Butanone	ND	50	19.	U
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U
591-78-6	2-Hexanone	ND	50	10.	U
74-97-5	Bromochloromethane	ND	25	7.0	U
106-93-4	1,2-Dibromoethane	ND	20	6.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U
98-82-8	Isopropylbenzene	ND	25	7.0	U
87-61-6	1,2,3-Trichlorobenzene	ND	25	7.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U
79-20-9	Methyl Acetate	ND	20	2.3	U
110-82-7	Cyclohexane	ND	100	2.7	U
123-91-1	1,4-Dioxane	ND	2500	610	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-05D	Date Collected	: 09/02/21 15:00
Client ID	: MW-2	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 13:56
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: LAC
Lab File ID	: V01210909A19	Instrument ID	: VOA101
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	25	7.0	U
108-87-2	Methyl cyclohexane	ND	100	4.0	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-06D	Date Collected	: 09/02/21 00:00
Client ID	: DUP-2021-09-02	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 13:33
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01210909A18	Instrument ID	: VOA101
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			
		Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	25	7.0	U
75-34-3	1,1-Dichloroethane	ND	25	7.0	U
67-66-3	Chloroform	ND	25	7.0	U
56-23-5	Carbon tetrachloride	ND	5.0	1.3	U
78-87-5	1,2-Dichloropropane	ND	10	1.4	U
124-48-1	Dibromochloromethane	ND	5.0	1.5	U
79-00-5	1,1,2-Trichloroethane	ND	15	5.0	U
127-18-4	Tetrachloroethene	340	5.0	1.8	
108-90-7	Chlorobenzene	ND	25	7.0	U
75-69-4	Trichlorofluoromethane	ND	25	7.0	U
107-06-2	1,2-Dichloroethane	ND	5.0	1.3	U
71-55-6	1,1,1-Trichloroethane	ND	25	7.0	U
75-27-4	Bromodichloromethane	ND	5.0	1.9	U
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	U
75-25-2	Bromoform	ND	20	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.7	U
71-43-2	Benzene	ND	5.0	1.6	U
108-88-3	Toluene	ND	25	7.0	U
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U
74-83-9	Bromomethane	ND	25	7.0	U
75-01-4	Vinyl chloride	120	10	0.71	
75-00-3	Chloroethane	ND	25	7.0	U
75-35-4	1,1-Dichloroethene	ND	5.0	1.7	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-06D	Date Collected	: 09/02/21 00:00
Client ID	: DUP-2021-09-02	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 13:33
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01210909A18	Instrument ID	: VOA101
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			
		Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	10	25	7.0	J
79-01-6	Trichloroethene	150	5.0	1.8	
95-50-1	1,2-Dichlorobenzene	ND	25	7.0	U
541-73-1	1,3-Dichlorobenzene	ND	25	7.0	U
106-46-7	1,4-Dichlorobenzene	ND	25	7.0	U
1634-04-4	Methyl tert butyl ether	ND	25	7.0	U
179601-23-1	p/m-Xylene	ND	25	7.0	U
95-47-6	o-Xylene	ND	25	7.0	U
156-59-2	cis-1,2-Dichloroethene	1600	25	7.0	
100-42-5	Styrene	ND	25	7.0	U
75-71-8	Dichlorodifluoromethane	ND	50	10.	U
67-64-1	Acetone	ND	50	15.	U
75-15-0	Carbon disulfide	ND	50	10.	U
78-93-3	2-Butanone	ND	50	19.	U
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U
591-78-6	2-Hexanone	ND	50	10.	U
74-97-5	Bromochloromethane	ND	25	7.0	U
106-93-4	1,2-Dibromoethane	ND	20	6.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U
98-82-8	Isopropylbenzene	ND	25	7.0	U
87-61-6	1,2,3-Trichlorobenzene	ND	25	7.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U
79-20-9	Methyl Acetate	ND	20	2.3	U
110-82-7	Cyclohexane	ND	100	2.7	U
123-91-1	1,4-Dioxane	ND	2500	610	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-06D	Date Collected	: 09/02/21 00:00
Client ID	: DUP-2021-09-02	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 13:33
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01210909A18	Instrument ID	: VOA101
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	25	7.0	U
108-87-2	Methyl cyclohexane	ND	100	4.0	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-07	Date Collected	: 09/02/21 00:00
Client ID	: TB-2021-09-02	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 13:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01210909A17	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			
		Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-07	Date Collected	: 09/02/21 00:00
Client ID	: TB-2021-09-02	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 13:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01210909A17	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			
		Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: L2147478-07	Date Collected	: 09/02/21 00:00
Client ID	: TB-2021-09-02	Date Received	: 09/02/21
Sample Location	: NEW PALTZ, NY	Date Analyzed	: 09/09/21 13:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01210909A17	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: WG1544700-5	Date Collected	: NA
Client ID	: WG1544700-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/09/21 08:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01210909A05	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			
		Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: WG1544700-5	Date Collected	: NA
Client ID	: WG1544700-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/09/21 08:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01210909A05	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			
		Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147478
Project Name	: NEW PALTZ PLAZA	Project Number	: 2014-45
Lab ID	: WG1544700-5	Date Collected	: NA
Client ID	: WG1544700-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/09/21 08:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01210909A05	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



ATTACHMENT 3
SSDS Inspection Form

Sterling Environmental Engineering, P.C.

24 Wade Road
Latham, NY 12110

SSDS INSPECTION FORM

Project/No. 2014-45 Page 1 of 1

Client: New Paltz Plaza

Inspector: A.Castignetti, P.Scholar

Instrument Used: N/A

Measurements by: A.Castignetti, P.Scholar

Task: Perform 2021 SSDS Inspection

Date of 9/2-3/2021 and

Inspection: 9/21-22/2021

Item	Liquor Store	Laundromat	Dry Cleaner	Peter Harris Store	PDQ Print ⁵	Jewelry Store	Bagle Shop	Dollar Store
System Fan	X	X	X	X	X	X	X	X
System Piping and Connections	X	X	X	X	X	X	X	X
Slab/System Interface Seals	X	X	X	X	X	X	X	X
Electrical Components	X	X	X	X	X	X	X	X
Pressure Gauges	X	See Note 2	X	X	X	X	X	X
Low Pressure Alarm	See Note 1	X	X	X	X	See Note 3	X ⁴	X
Pressure Differential Reading	-13.0	See Note 2	-28.0	-40.0	-5.0	-21.0	-13.0	-1.2

Notes:

X = No deficiencies observed.

NA - Not viewed.

1. The low pressure alarm was plugged in but did not appear to be operating. Outlet appeared to have power.
2. The back room was locked and the SSDS gauge was inaccessible at the time of inspection. Exhaust fan, alarm, and piping were observed above ceiling tiles and operating as designed.
3. The Jewelry Store alarm appears to have been removed during renovations and needs to be replaced. Manometer reading was observed at -21 inWC on 9/22/2021.
4. Shop owner provided a new 3-way electrical outlet on 9/22/2021 to plug in alarm. The SSDS was operating as designed.
5. PDQ Print store SSDS was inspected on 9/3/2021.