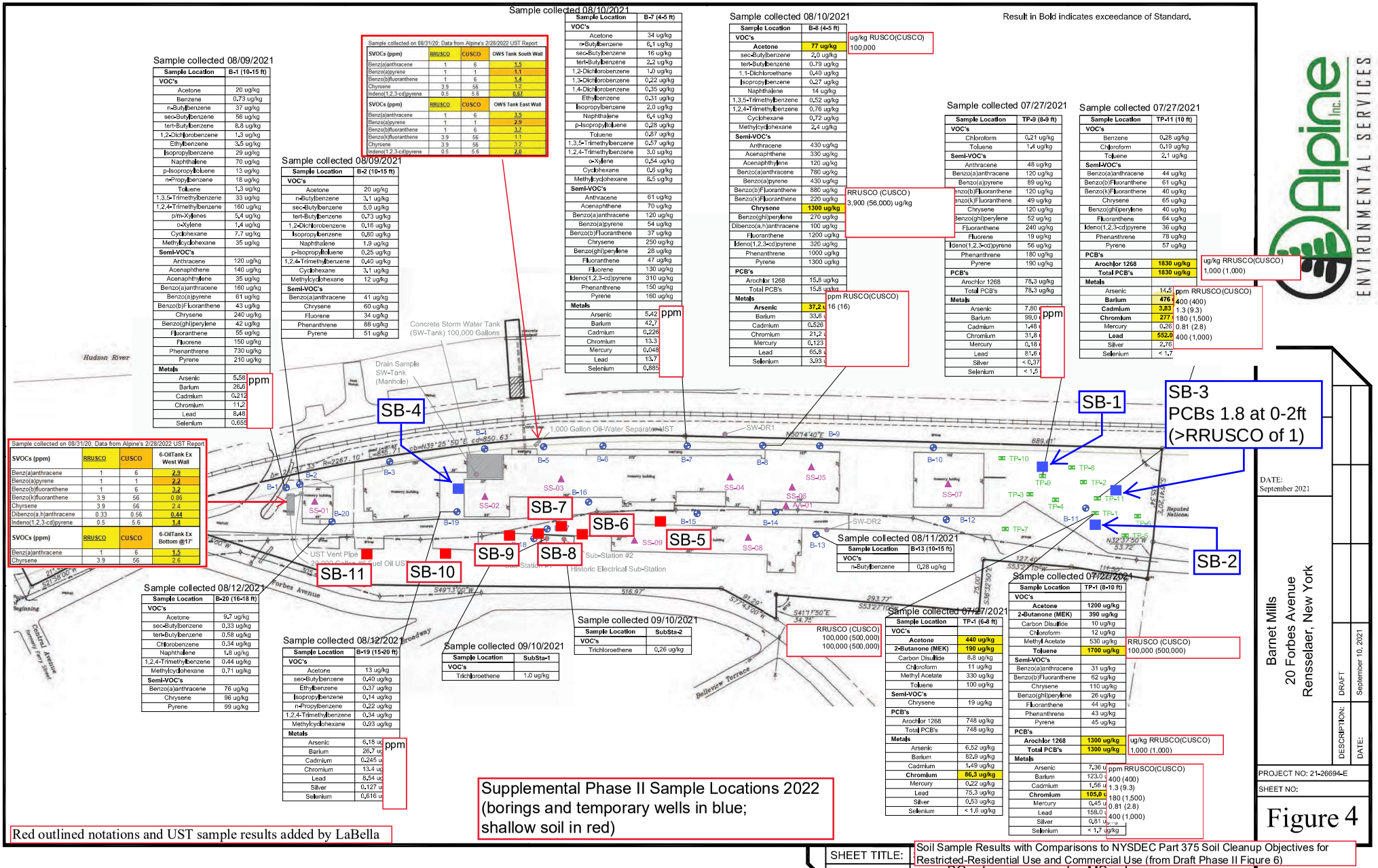
Sample collected 08/10/2021
Result in Bold indicates exceedance of Standard.
Sample collected 08/09/2021
Sample collected on 08/31/20; Data from Alpine's 2/28/2022 UST Report
Sample collected 08/09/2021
Sample collected 08/10/2021
Sample collected 08/10/2021
Sample collected 07/27/2021
Sample collected 07/27/2021
Concrete Storm Water Tank (SW-Tank) 100,000 Gallons
Drain Sample SW-Tank (Manhole)
1,000 Gallon Oil-Water Separator UST
Hudson River
Forbes Avenue
Broadway
Belleview Terrace
Historic Electrical Sub-Station
Sub-Station #2
UST Vent Pipe
Fuel Oil US
SB-1
SB-2
SB-3
PCBs 1.8 at 0-2ft
(>RRUSCO of 1)
SB-4
SB-5
SB-6
SB-7
SB-8
SB-9
SB-10
SB-11
Sample collected 08/12/2021
Sample collected 08/12/2021
Sample collected 09/10/2021
Sample collected 09/10/2021
Sample collected 08/11/2021
Sample collected 07/27/2021
Sample collected 07/27/2021
Supplemental Phase II Sample Locations 2022
(borings and temporary wells in blue;
shallow soil in red)
Red outlined notations and UST sample results added by LaBella
Barnet Mills
20 Forbes Avenue
Rensselaer, New York
DATE: September 2021
DRAFT
September 10, 2021
PROJECT NO: 21-26694-E
SHEET NO:
Figure 4
SHEET TITLE: Soil Sample Results with Comparisons to NYSDEC Part 375 Soil Cleanup Objectives for Restricted-Residential Use and Commercial Use (from Draft Phase II Figure 6)
DRAWN BY: BG
CHECKED BY: MS
Alpine Inc.
ENVIRONMENTAL SERVICES

Table 1
Soil Sample Laboratory Results Summary
Former Barnet Mills Property
20 Forbes Avenue
Rensselaer, New York 12144

Sample Location	6 NYCRR Part 375 Soil Cleanup Objectives			Borings Installed in Northern Area of Fill Material (Samples collected from 15 to 20-foot depth interval)			Shallow Soil Samples Near Former Substation (0 to 2-foot depth interval)										Boring installed upgradient of MW-4 where 1,1,1-TCA was previously reported
Sample ID				**SB-1 (15-20)**	**SB-2 (15-20)**	**SB-3 (15-20)**	**SB-1 (0-2)**	**SB-2 (0-2)**	**SB-3 (0-2)**	**SB-5 (0-2)**	**SB-6 (0-2)**	**SB-7 (0-2)**	**SB-8 (0-2)**	**SB-9 (0-2)**	**SB-10 (0-2)**	**SB-11 (0-2)**	**SB-4 (15-20)**
Sample Date and Time	Unrestricted Use	**Restricted-Residential**	***Commercial***	**07-Jul-22 14:13**	**07-Jul-22 14:05**	**07-Jul-22 14:10**	**07-Jul-22 14:08**	**07-Jul-22 14:03**	**07-Jul-22 14:15**	**07-Jul-22 14:32**	**07-Jul-22 14:34**	**07-Jul-22 14:18**	**07-Jul-22 14:23**	**07-Jul-22 14:25**	**07-Jul-22 14:30**	**07-Jul-22 14:35**	**07-Jul-22 14:20**
Lab Sample ID	ppm	ppm	ppm	**22G0476-01**	**22G0476-02**	**22G0476-03**	**22G0476-04**	**22G0476-05**	**22G0476-06**	**22G0476-08**	**22G0476-09**	**22G0476-10**	**22G0476-11**	**22G0476-12**	**22G0476-13**	**22G0476-14**	**22G0476-07**
VOCs																	VOCs were ND except:
Acetone	0.05	100	500	--	--	--	--	--	--	--	--	--	--	--	--	--	0.28
PCBs																	
Aroclor - 1016	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1221	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1232	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1242	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1248	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1254	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1260	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1262	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1268	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	***1.8***	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
RCRA 8 Metals																	
Arsenic	13	16	16	5.1	4.1	6.4											
Barium	350	400	400	58	34	54											
Cadmium	2.5	4.3	9.3	<0.38	<0.38	<0.43											
Chromium	30	180	1,500	21	11	17											
Lead	63	400	1,000	13	7.3	11											
Selenium	3.9	180	1,500	<3.8	<3.8	<4.3											
Silver	2	180	1,500	<0.38	<0.38	<0.43											
Mercury	0.18	0.81	2.8	0.037	<0.030	0.035											

NOTES:
Results are reported in milligrams per kilogram (mg/kg) = parts per million (ppm)
-- indicates sample not tested for analyte
Exceedences of 6NYCRR Soil Cleanup Objectives for Unrestricted Use (UUSCOs) are highlighted
Exceedences of 6NYCRR Soil Cleanup Objectives for Restricted-Residential Use (RRUSCOs) are shown in bold font.
Exceedences of 6NYCRR Soil Cleanup Objectives for Commercial Use (CUSCOs) are underlined and shown in italics.

Table 2 Summary of Laboratory Results SVOCs and Metals in Groundwater Samples
Former Barnet Mills Property
20 Forbes Avenue
Rensselaer, New York 12144

Sample Location	**6 NYCRR Part 703.5**	Borings Installed in Northern Area of Fill Material			Boring installed upgradient of MW-4 where 1,1,1-TCA was previously reported
Sample ID		**Temp Well 1**	**Temp Well 2**	**Temp Well 3**	**Temp Well 4**
Sample Date and time		**07-Jul-22 13:35**	**07-Jul-22 13:10**	**07-Jul-22 12:45**	**07-Jul-22 14:00**
Lab Sample ID		**22G0477-01**	**22G0477-02**	**22G0477-03**	**22G0477-04**
VOCs	VOCs were non-detect				
Total RCRA 8 Metals	ug/L	ug/L	ug/L	ug/L	
Arsenic	25	1.4	3.1	3.2	
Barium	1,000	220	670	290	
Cadmium	5	4.3	20	1.6	
Chromium	50	38	130	38	
Lead	25	100	210	67	
Selenium	10	<5.0	<5.0	<5.0	
Silver	50	0.92	0.22	0.34	
Mercury	0.7	<0.1	<0.1	<0.1	
Total RCRA 8 Metals	ug/L	ug/L	ug/L	ug/L	
Arsenic, dissolved	25	<0.80	<0.80	<0.80	
Barium, dissolved	1,000	44	33	46	
Cadmium, dissolved	5	0.27	<0.20	0.33	
Chromium, dissolved	50	1.4	1.3	1.1	
Lead, dissolved	25	<0.50	<0.50	<0.50	
Selenium, dissolved	10	<5.0	<5.0	<5.0	
Silver, dissolved	50	<0.20	<0.20	<0.20	
Mercury, dissolved	0.7	<0.1	<0.1	<0.1	

NOTES:
Results are reported in micrograms per liter (ug/L) = parts per billion (ppb).
Shaded cells indicate values that are greater than the 6 NYCRR Part 703.5 groundwater quality standard.

Table 3
PFAS in Groundwater Sample Results
Former Barnet Mills Property
20 Forbes Avenue
Rensselaer, New York 12144

Sample ID **Sample Date and Time** **Lab Sample ID**	**NYSDEC Interim Guidance Values June 2021 Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs**	**MW-4** **08-Jul-22** **9:00** **22G0536-01**	**MW-8** **08-Jul-22** **9:30** **22G0536-02**	**MW-11** **08-Jul-22** **10:15** **22G0536-03**
PFAS		ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)		<1.6	<1.6	5.5
Perfluorobutanesulfonic acid (PFBS)		<1.6	<1.6	<1.6
Perfluoropentanoic acid (PFPeA)		2.7	<1.6	4.1
Perfluorohexanoic acid (PFHxA)		<1.6	<1.6	<1.6
11Cl-PF3OUdS (F53B Major)		<1.6	<1.6	<1.6
9Cl-PF3ONS (F53B Minor)		<1.6	<1.6	<1.6
4,8-dioxa-3H-perfluorononanoic acid (ADONA)		<1.6	<1.6	<1.6
Hexafluoropropylene oxide dimer acid (HFPO-DA)		<1.6	<1.6	<1.6
8:2 Fluorotelomersulfonic acid (8:2FTS A)		<1.6	<1.6	<1.6
Perfluorodecanoic acid (PFDA)		<1.6	<1.6	<1.6
Perfluorododecanoic acid (PFDoA)		<1.6	<1.6	<1.6
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		<1.6	<1.6	<1.6
Perfluoroheptanesulfonic acid (PFHpS)		<1.6	<1.6	<1.6
N-EtFOSAA		<1.6	<1.6	<1.6
N-MeFOSAA		<1.6	<1.6	<1.6
Perfluorotetradecanoic acid (PFTA)		<1.6	<1.6	<1.6
Perfluorotridecanoic acid (PFTrDA)		<1.6	<1.6	<1.6
4:2 Fluorotelomersulfonic acid (4:2FTS A)		<1.6	<1.6	<1.6
Perfluorodecanesulfonic acid (PFDS)		<1.6	<1.6	<1.6
Perfluorooctanesulfonamide (FOSA)		<1.6	<1.6	<1.6
Perfluorononanesulfonic acid (PFNS)		<1.6	<1.6	<1.6
Perfluoro-1-hexanesulfonamide (FHxSA)		<1.6	<1.6	<1.6
Perfluoro-1-butanesulfonamide (FBSA)		<1.6	<1.6	<1.6
Perfluorohexanesulfonic acid (PFHxS)		<1.6	<1.6	<1.6
Perfluoro-4-oxapentanoic acid (PFMPA)		<1.6	<1.6	<1.6
Perfluoro-5-oxahexanoic acid (PFMBA)		<1.6	<1.6	<1.6
6:2 Fluorotelomersulfonic acid (6:2FTS A)		<1.6	<1.6	<1.6
Perfluoropetanesulfonic acid (PFPeS)		<1.6	<1.6	4.8
Perfluoroundecanoic acid (PFUnA)		<1.6	<1.6	<1.6
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		<1.6	<1.6	<1.6
Perfluoroheptanoic acid (PFHpA)		<1.6	<1.6	<1.6
Perfluorooctanoic acid (PFOA)	10 ppt (ng/L)	2.3	<1.6	<1.6
Perfluorooctanesulfonic acid (PFOS)	10 ppt (ng/L)	1.9	<1.6	<1.6
Perfluorononanoic acid (PFNA)		<1.6	<1.6	<1.6

Exceedances of the NYSDEC Interim Guidance Values June 2021 Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs are highlighted.

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

August 11, 2022

Arlette St. Romain
Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020

Project Location: 20 Forbes Ave., Rensselaer, NY
Client Job Number:
Project Number: 2220630
Laboratory Work Order Number: 22G0476

Enclosed are results of analyses for samples as received by the laboratory on July 8, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Scott C. Basal
Project Manager

Table of Contents

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Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020
ATTN: Arlette St. Romain

REPORT DATE: 8/11/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2220630

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22G0476

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 20 Forbes Ave., Rensselaer, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SB-1 (15-20)	22G0476-01	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8082A	
SB-2 (15-20)	22G0476-02	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8082A	
SB-3 (15-20)	22G0476-03	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8082A	
SB-1 (0-2)	22G0476-04	Soil		SM 2540G	
				SW-846 8082A	
SB-2 (0-2)	22G0476-05	Soil		SM 2540G	
				SW-846 8082A	
SB-3 (0-2)	22G0476-06	Soil		SM 2540G	
				SW-846 8082A	
SB-4 (15-20)	22G0476-07	Soil		SM 2540G	
				SW-846 8260D	
SB-5 (0-2)	22G0476-08	Soil		SM 2540G	
				SW-846 8082A	
SB-6 (0-2)	22G0476-09	Soil		SM 2540G	
				SW-846 8082A	
SB-7 (0-2)	22G0476-10	Soil		SM 2540G	
				SW-846 8082A	
SB-8 (0-2)	22G0476-11	Soil		SM 2540G	
				SW-846 8082A	
SB-9 (0-2)	22G0476-12	Soil		SM 2540G	
				SW-846 8082A	
SB-10 (0-2)	22G0476-13	Soil		SM 2540G	
				SW-846 8082A	
SB-11 (0-2)	22G0476-14	Soil		SM 2540G	
				SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Reported result for Acetone soil by EPA 8260D is estimated and not covered by certification.

SW-846 8082A

Qualifications:

S-24

Surrogate recovery is biased high due to the presence of Aroclor 1268 in the sample. Aroclor 1268 contains decachlorobiphenyl.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
22G0476-06[SB-3 (0-2)]

Decachlorobiphenyl [2C]
22G0476-06[SB-3 (0-2)]

SW-846 8260D

Qualifications:

PR-03a

Sample preserved in the laboratory, not in the field as required by the method and outside the 48 hour holding time.

Analyte & Samples(s) Qualified:

22G0476-07[SB-4 (15-20)]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12
22G0476-07[SB-4 (15-20)], B312736-BLK1, B312736-BS1, B312736-BSD1, S073786-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane
22G0476-07[SB-4 (15-20)], B312736-BLK1, B312736-BS1, B312736-BSD1, S073786-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

2-Butanone (MEK)
B312736-BS1, B312736-BSD1, S073786-CCV1

2-Hexanone (MBK)
B312736-BS1, B312736-BSD1, S073786-CCV1

Acetone
B312736-BS1, B312736-BSD1, S073786-CCV1

Z-01

Reported result is estimated.

Analyte & Samples(s) Qualified:

Acetone
22G0476-07[SB-4 (15-20)]

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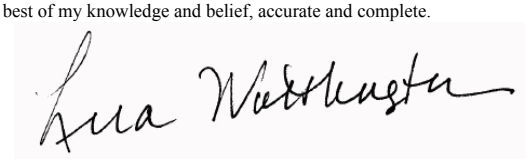
The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-1 (15-20) Sampled: 7/7/2022 14:13

Sample ID: 22G0476-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		7/19/22 10:51
Decachlorobiphenyl [2]	97.8	30-150		7/19/22 10:51
Tetrachloro-m-xylene [1]	95.7	30-150		7/19/22 10:51
Tetrachloro-m-xylene [2]	83.5	30-150		7/19/22 10:51

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-1 (15-20) Sampled: 7/7/2022 14:13

Sample ID: 22G0476-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	5.1	3.8	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:13	JLC
Barium	58	1.9	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:13	JLC
Cadmium	ND	0.38	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:13	JLC
Chromium	21	0.76	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:13	JLC
Lead	13	0.57	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:13	JLC
Mercury	0.037	0.029	mg/Kg dry	1		SW-846 7471B	7/15/22	7/16/22 18:21	ICP
Selenium	ND	3.8	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:13	JLC
Silver	ND	0.38	mg/Kg dry	1		SW-846 6010D	7/18/22	8/8/22 18:05	MJH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-1 (15-20) Sampled: 7/7/2022 14:13

Sample ID: 22G0476-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.6		% Wt	1		SM 2540G	7/8/22	7/9/22 14:28	AEM

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-2 (15-20) Sampled: 7/7/2022 14:05

Sample ID: 22G0476-02

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	111	30-150		7/19/22 11:08
Decachlorobiphenyl [2]	103	30-150		7/19/22 11:08
Tetrachloro-m-xylene [1]	100	30-150		7/19/22 11:08
Tetrachloro-m-xylene [2]	87.7	30-150		7/19/22 11:08

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-2 (15-20) Sampled: 7/7/2022 14:05

Sample ID: 22G0476-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	4.1	3.8	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:20	JLC
Barium	34	1.9	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:20	JLC
Cadmium	ND	0.38	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:20	JLC
Chromium	11	0.76	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:20	JLC
Lead	7.3	0.57	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:20	JLC
Mercury	ND	0.030	mg/Kg dry	1		SW-846 7471B	7/15/22	7/16/22 18:23	ICP
Selenium	ND	3.8	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:20	JLC
Silver	ND	0.38	mg/Kg dry	1		SW-846 6010D	7/18/22	8/8/22 18:28	MJH

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-2 (15-20) Sampled: 7/7/2022 14:05

Sample ID: 22G0476-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.4		% Wt	1		SM 2540G	7/8/22	7/9/22 14:28	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-3 (15-20) Sampled: 7/7/2022 14:10

Sample ID: 22G0476-03

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.8	30-150		7/20/22 16:07
Decachlorobiphenyl [2]	96.9	30-150		7/20/22 16:07
Tetrachloro-m-xylene [1]	81.2	30-150		7/20/22 16:07
Tetrachloro-m-xylene [2]	77.1	30-150		7/20/22 16:07

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-3 (15-20) Sampled: 7/7/2022 14:10

Sample ID: 22G0476-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	6.4	4.3	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:27	JLC
Barium	54	2.1	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:27	JLC
Cadmium	ND	0.43	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:27	JLC
Chromium	17	0.85	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:27	JLC
Lead	11	0.64	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:27	JLC
Mercury	0.035	0.033	mg/Kg dry	1		SW-846 7471B	7/15/22	7/16/22 18:24	ICP
Selenium	ND	4.3	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:27	JLC
Silver	ND	0.43	mg/Kg dry	1		SW-846 6010D	7/18/22	8/8/22 18:35	MJH

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-3 (15-20) Sampled: 7/7/2022 14:10

Sample ID: 22G0476-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.4		% Wt	1		SM 2540G	7/8/22	7/9/22 14:29	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-1 (0-2) Sampled: 7/7/2022 14:08

Sample ID: 22G0476-04

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.6	30-150		7/20/22 16:25
Decachlorobiphenyl [2]	106	30-150		7/20/22 16:25
Tetrachloro-m-xylene [1]	85.9	30-150		7/20/22 16:25
Tetrachloro-m-xylene [2]	76.2	30-150		7/20/22 16:25

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-1 (0-2) Sampled: 7/7/2022 14:08

Sample ID: 22G0476-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.3		% Wt	1		SM 2540G	7/8/22	7/9/22 14:29	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-2 (0-2) Sampled: 7/7/2022 14:03

Sample ID: 22G0476-05

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	121	30-150		7/20/22 16:42
Decachlorobiphenyl [2]	135	30-150		7/20/22 16:42
Tetrachloro-m-xylene [1]	87.8	30-150		7/20/22 16:42
Tetrachloro-m-xylene [2]	82.0	30-150		7/20/22 16:42

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-2 (0-2) Sampled: 7/7/2022 14:03

Sample ID: 22G0476-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.3		% Wt	1		SM 2540G	7/8/22	7/9/22 14:29	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-3 (0-2) Sampled: 7/7/2022 14:15

Sample ID: 22G0476-06

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1268 [2]	1.8	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	**1550**	*	30-150	S-24	7/20/22 17:00
Decachlorobiphenyl [2]	**660**	*	30-150	S-24	7/20/22 17:00
Tetrachloro-m-xylene [1]	90.5		30-150		7/20/22 17:00
Tetrachloro-m-xylene [2]	79.8		30-150		7/20/22 17:00

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-3 (0-2) Sampled: 7/7/2022 14:15

Sample ID: 22G0476-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1		SM 2540G	7/8/22	7/9/22 14:29	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-4 (15-20) Sampled: 7/7/2022 14:20

Sample ID: 22G0476-07

Sample Matrix: Soil

Sample Flags: PR-03a

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.28	0.12	mg/Kg dry	1	Z-01	SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Acrylonitrile	ND	0.0073	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Benzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Bromobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Bromochloromethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Bromodichloromethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Bromoform	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Bromomethane	ND	0.012	mg/Kg dry	1	V-34	SW-846 8260D	7/12/22	7/12/22 6:25	MFF
2-Butanone (MEK)	ND	0.048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
n-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
sec-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
tert-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Carbon Disulfide	ND	0.012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Carbon Tetrachloride	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Chlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Chlorodibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Chloroethane	ND	0.024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Chloroform	ND	0.0048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Chloromethane	ND	0.012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
2-Chlorotoluene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
4-Chlorotoluene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Dibromomethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,3-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,4-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	mg/Kg dry	1	V-05	SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1-Dichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2-Dichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1-Dichloroethylene	ND	0.0048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
cis-1,2-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
trans-1,2-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2-Dichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,3-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
2,2-Dichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1-Dichloropropene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
trans-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Diethyl Ether	ND	0.024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-4 (15-20) Sampled: 7/7/2022 14:20

Sample ID: 22G0476-07

Sample Matrix: Soil

Sample Flags: PR-03a

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,4-Dioxane	ND	0.12	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Ethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Hexachlorobutadiene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
2-Hexanone (MBK)	ND	0.024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Isopropylbenzene (Cumene)	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Methyl Acetate	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Methyl Cyclohexane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Methylene Chloride	ND	0.024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Naphthalene	ND	0.0048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
n-Propylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Styrene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Tetrachloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Tetrahydrofuran	ND	0.012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Toluene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2,3-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2,4-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,3,5-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1,1-Trichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1,2-Trichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Trichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2,3-Trichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2,4-Trimethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,3,5-Trimethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Vinyl Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
m+p Xylene	ND	0.0048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
o-Xylene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.6	70-130		7/12/22 6:25
Toluene-d8	94.2	70-130		7/12/22 6:25
4-Bromofluorobenzene	96.6	70-130		7/12/22 6:25

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-4 (15-20) Sampled: 7/7/2022 14:20

Sample ID: 22G0476-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.3		% Wt	1		SM 2540G	7/8/22	7/9/22 14:29	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-5 (0-2) Sampled: 7/7/2022 14:32

Sample ID: 22G0476-08

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		7/20/22 17:17
Decachlorobiphenyl [2]	108	30-150		7/20/22 17:17
Tetrachloro-m-xylene [1]	94.4	30-150		7/20/22 17:17
Tetrachloro-m-xylene [2]	88.2	30-150		7/20/22 17:17

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-5 (0-2) Sampled: 7/7/2022 14:32

Sample ID: 22G0476-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.0		% Wt	1		SM 2540G	7/8/22	7/9/22 14:29	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-6 (0-2) Sampled: 7/7/2022 14:34

Sample ID: 22G0476-09

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.4	30-150		7/20/22 19:43
Decachlorobiphenyl [2]	100	30-150		7/20/22 19:43
Tetrachloro-m-xylene [1]	85.6	30-150		7/20/22 19:43
Tetrachloro-m-xylene [2]	83.6	30-150		7/20/22 19:43

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-6 (0-2) Sampled: 7/7/2022 14:34

Sample ID: 22G0476-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.4		% Wt	1		SM 2540G	7/8/22	7/9/22 14:30	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-7 (0-2) Sampled: 7/7/2022 14:18

Sample ID: 22G0476-10

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.3	30-150		7/20/22 20:00
Decachlorobiphenyl [2]	96.4	30-150		7/20/22 20:00
Tetrachloro-m-xylene [1]	80.4	30-150		7/20/22 20:00
Tetrachloro-m-xylene [2]	77.5	30-150		7/20/22 20:00

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-7 (0-2) Sampled: 7/7/2022 14:18

Sample ID: 22G0476-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.2		% Wt	1		SM 2540G	7/8/22	7/9/22 14:30	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-8 (0-2) Sampled: 7/7/2022 14:23

Sample ID: 22G0476-11

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		7/20/22 20:18
Decachlorobiphenyl [2]	113	30-150		7/20/22 20:18
Tetrachloro-m-xylene [1]	88.7	30-150		7/20/22 20:18
Tetrachloro-m-xylene [2]	85.6	30-150		7/20/22 20:18

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-8 (0-2) Sampled: 7/7/2022 14:23

Sample ID: 22G0476-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.3		% Wt	1		SM 2540G	7/8/22	7/9/22 14:30	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-9 (0-2) Sampled: 7/7/2022 14:25

Sample ID: 22G0476-12

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.5	30-150		7/20/22 20:35
Decachlorobiphenyl [2]	107	30-150		7/20/22 20:35
Tetrachloro-m-xylene [1]	91.0	30-150		7/20/22 20:35
Tetrachloro-m-xylene [2]	83.1	30-150		7/20/22 20:35

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-9 (0-2) Sampled: 7/7/2022 14:25

Sample ID: 22G0476-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	7/8/22	7/9/22 14:30	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-10 (0-2) Sampled: 7/7/2022 14:30

Sample ID: 22G0476-13

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.1	30-150		7/20/22 20:53
Decachlorobiphenyl [2]	104	30-150		7/20/22 20:53
Tetrachloro-m-xylene [1]	90.1	30-150		7/20/22 20:53
Tetrachloro-m-xylene [2]	84.9	30-150		7/20/22 20:53

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-10 (0-2) Sampled: 7/7/2022 14:30

Sample ID: 22G0476-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.4		% Wt	1		SM 2540G	7/8/22	7/9/22 14:30	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-11 (0-2) Sampled: 7/7/2022 14:35

Sample ID: 22G0476-14

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.5	30-150		7/20/22 21:11
Decachlorobiphenyl [2]	98.2	30-150		7/20/22 21:11
Tetrachloro-m-xylene [1]	88.3	30-150		7/20/22 21:11
Tetrachloro-m-xylene [2]	80.5	30-150		7/20/22 21:11

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-11 (0-2) Sampled: 7/7/2022 14:35

Sample ID: 22G0476-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.2		% Wt	1		SM 2540G	7/8/22	7/9/22 14:30	AEM

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312736 - SW-846 5035										
Blank (B312736-BLK1)				Prepared & Analyzed: 07/12/22						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							V-34
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
tert-Butyl Alcohol (TBA)	ND	0.10	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet							
Carbon Disulfide	ND	0.010	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							V-05
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Diethyl Ether	ND	0.020	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl Acetate	ND	0.0020	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312736 - SW-846 5035											
Blank (B312736-BLK1)				Prepared & Analyzed: 07/12/22							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet								
Methyl Cyclohexane	ND	0.0020	mg/Kg wet								
Methylene Chloride	ND	0.020	mg/Kg wet								
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet								
Naphthalene	ND	0.0040	mg/Kg wet								
n-Propylbenzene	ND	0.0020	mg/Kg wet								
Styrene	ND	0.0020	mg/Kg wet								
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet								
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet								
Tetrachloroethylene	ND	0.0020	mg/Kg wet								
Tetrahydrofuran	ND	0.010	mg/Kg wet								
Toluene	ND	0.0020	mg/Kg wet								
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,3,5-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet								
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet								
Trichloroethylene	ND	0.0020	mg/Kg wet								
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet								
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet								
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet								
Vinyl Chloride	ND	0.010	mg/Kg wet								
m+p Xylene	ND	0.0040	mg/Kg wet								
o-Xylene	ND	0.0020	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*0.0485*		mg/Kg wet	0.0500		97.1	70-130				
Surrogate: Toluene-d8	*0.0470*		mg/Kg wet	0.0500		94.0	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0481*		mg/Kg wet	0.0500		96.2	70-130				
LCS (B312736-BS1)				Prepared & Analyzed: 07/12/22							
Acetone	0.232	0.10	mg/Kg wet	0.200		116	70-160			V-35	†
Acrylonitrile	0.0217	0.0060	mg/Kg wet	0.0200		109	70-130				
tert-Amyl Methyl Ether (TAME)	0.0186	0.0010	mg/Kg wet	0.0200		92.8	70-130				
Benzene	0.0181	0.0020	mg/Kg wet	0.0200		90.4	70-130				
Bromobenzene	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130				
Bromochloromethane	0.0199	0.0020	mg/Kg wet	0.0200		99.7	70-130				
Bromodichloromethane	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130				
Bromoform	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130				
Bromomethane	0.0177	0.010	mg/Kg wet	0.0200		88.4	40-130			V-34	†
2-Butanone (MEK)	0.246	0.040	mg/Kg wet	0.200		123	70-160			V-35	†
tert-Butyl Alcohol (TBA)	0.214	0.10	mg/Kg wet	0.200		107	40-130				†
n-Butylbenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.7	70-130				
sec-Butylbenzene	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130				
tert-Butylbenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-160				†
tert-Butyl Ethyl Ether (TBEE)	0.0162	0.0010	mg/Kg wet	0.0200		80.9	70-130				
Carbon Disulfide	0.194	0.010	mg/Kg wet	0.200		96.9	70-130				
Carbon Tetrachloride	0.0188	0.0020	mg/Kg wet	0.0200		94.0	70-130				
Chlorobenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.1	70-130				
Chlorodibromomethane	0.0198	0.0010	mg/Kg wet	0.0200		99.2	70-130				
Chloroethane	0.0182	0.020	mg/Kg wet	0.0200		90.9	70-130				
Chloroform	0.0186	0.0040	mg/Kg wet	0.0200		93.0	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312736 - SW-846 5035											
LCS (B312736-BS1)				Prepared & Analyzed: 07/12/22							
Chloromethane	0.0161	0.010	mg/Kg wet	0.0200		80.4	70-130				
2-Chlorotoluene	0.0196	0.0020	mg/Kg wet	0.0200		98.0	70-130				
4-Chlorotoluene	0.0195	0.0020	mg/Kg wet	0.0200		97.5	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130				
1,2-Dibromoethane (EDB)	0.0197	0.0010	mg/Kg wet	0.0200		98.5	70-130				
Dibromomethane	0.0198	0.0020	mg/Kg wet	0.0200		99.2	70-130				
1,2-Dichlorobenzene	0.0182	0.0020	mg/Kg wet	0.0200		91.0	70-130				
1,3-Dichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.4	70-130				
1,4-Dichlorobenzene	0.0178	0.0020	mg/Kg wet	0.0200		88.9	70-130				
trans-1,4-Dichloro-2-butene	0.0212	0.0040	mg/Kg wet	0.0200		106	70-130				
Dichlorodifluoromethane (Freon 12)	0.0142	0.020	mg/Kg wet	0.0200		71.2	40-160			V-05	†
1,1-Dichloroethane	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130				
1,2-Dichloroethane	0.0185	0.0020	mg/Kg wet	0.0200		92.3	70-130				
1,1-Dichloroethylene	0.0180	0.0040	mg/Kg wet	0.0200		89.9	70-130				
cis-1,2-Dichloroethylene	0.0180	0.0020	mg/Kg wet	0.0200		89.9	70-130				
trans-1,2-Dichloroethylene	0.0183	0.0020	mg/Kg wet	0.0200		91.5	70-130				
1,2-Dichloropropane	0.0197	0.0020	mg/Kg wet	0.0200		98.5	70-130				
1,3-Dichloropropane	0.0201	0.0010	mg/Kg wet	0.0200		100	70-130				
2,2-Dichloropropane	0.0180	0.0020	mg/Kg wet	0.0200		90.2	70-130				
1,1-Dichloropropene	0.0185	0.0020	mg/Kg wet	0.0200		92.3	70-130				
cis-1,3-Dichloropropene	0.0193	0.0010	mg/Kg wet	0.0200		96.4	70-130				
trans-1,3-Dichloropropene	0.0174	0.0010	mg/Kg wet	0.0200		86.9	70-130				
Diethyl Ether	0.0186	0.020	mg/Kg wet	0.0200		93.0	70-130				
Diisopropyl Ether (DIPE)	0.0192	0.0010	mg/Kg wet	0.0200		96.2	70-130				
1,4-Dioxane	0.219	0.10	mg/Kg wet	0.200		110	40-160				†
Ethylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130				
Hexachlorobutadiene	0.0189	0.0020	mg/Kg wet	0.0200		94.3	70-160				
2-Hexanone (MBK)	0.232	0.020	mg/Kg wet	0.200		116	70-160			V-35	†
Isopropylbenzene (Cumene)	0.0190	0.0020	mg/Kg wet	0.0200		94.9	70-130				
p-Isopropyltoluene (p-Cymene)	0.0182	0.0020	mg/Kg wet	0.0200		91.0	70-130				
Methyl Acetate	0.0211	0.0020	mg/Kg wet	0.0200		105	70-130				
Methyl tert-Butyl Ether (MTBE)	0.0178	0.0040	mg/Kg wet	0.0200		88.8	70-130				
Methyl Cyclohexane	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130				
Methylene Chloride	0.0178	0.020	mg/Kg wet	0.0200		89.1	40-160				†
4-Methyl-2-pentanone (MIBK)	0.224	0.020	mg/Kg wet	0.200		112	70-160				†
Naphthalene	0.0187	0.0040	mg/Kg wet	0.0200		93.4	40-130				†
n-Propylbenzene	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130				
Styrene	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130				
1,1,1,2-Tetrachloroethane	0.0200	0.0020	mg/Kg wet	0.0200		99.9	70-130				
1,1,2,2-Tetrachloroethane	0.0206	0.0010	mg/Kg wet	0.0200		103	70-130				
Tetrachloroethylene	0.0188	0.0020	mg/Kg wet	0.0200		94.1	70-130				
Tetrahydrofuran	0.0186	0.010	mg/Kg wet	0.0200		93.0	70-130				
Toluene	0.0182	0.0020	mg/Kg wet	0.0200		91.1	70-130				
1,2,3-Trichlorobenzene	0.0172	0.0020	mg/Kg wet	0.0200		86.0	70-130				
1,2,4-Trichlorobenzene	0.0165	0.0020	mg/Kg wet	0.0200		82.7	70-130				
1,3,5-Trichlorobenzene	0.0174	0.0020	mg/Kg wet	0.0200		87.1	70-130				
1,1,1-Trichloroethane	0.0193	0.0020	mg/Kg wet	0.0200		96.7	70-130				
1,1,2-Trichloroethane	0.0197	0.0020	mg/Kg wet	0.0200		98.6	70-130				
Trichloroethylene	0.0191	0.0020	mg/Kg wet	0.0200		95.6	70-130				
Trichlorofluoromethane (Freon 11)	0.0184	0.010	mg/Kg wet	0.0200		91.8	70-130				
1,2,3-Trichloropropane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312736 - SW-846 5035											
LCS (B312736-BS1)				Prepared & Analyzed: 07/12/22							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.010	mg/Kg wet	0.0200		99.9	70-130				
1,2,4-Trimethylbenzene	0.0178	0.0020	mg/Kg wet	0.0200		89.0	70-130				
1,3,5-Trimethylbenzene	0.0190	0.0020	mg/Kg wet	0.0200		94.8	70-130				
Vinyl Chloride	0.0173	0.010	mg/Kg wet	0.0200		86.6	40-130				†
m+p Xylene	0.0396	0.0040	mg/Kg wet	0.0400		98.9	70-130				
o-Xylene	0.0193	0.0020	mg/Kg wet	0.0200		96.3	70-130				
Surrogate: 1,2-Dichloroethane-d4	*0.0462*		mg/Kg wet	0.0500		92.5	70-130				
Surrogate: Toluene-d8	*0.0492*		mg/Kg wet	0.0500		98.4	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0499*		mg/Kg wet	0.0500		99.8	70-130				
LCS Dup (B312736-BSD1)				Prepared & Analyzed: 07/12/22							
Acetone	0.217	0.10	mg/Kg wet	0.200		108	70-160	6.60	25	V-35	†
Acrylonitrile	0.0210	0.0060	mg/Kg wet	0.0200		105	70-130	3.65	25		
tert-Amyl Methyl Ether (TAME)	0.0181	0.0010	mg/Kg wet	0.0200		90.7	70-130	2.29	25		
Benzene	0.0179	0.0020	mg/Kg wet	0.0200		89.6	70-130	0.889	25		
Bromobenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130	0.310	25		
Bromochloromethane	0.0195	0.0020	mg/Kg wet	0.0200		97.6	70-130	2.13	25		
Bromodichloromethane	0.0190	0.0020	mg/Kg wet	0.0200		94.8	70-130	2.50	25		
Bromoform	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	1.92	25		
Bromomethane	0.0203	0.010	mg/Kg wet	0.0200		101	40-130	13.7	25	V-34	†
2-Butanone (MEK)	0.232	0.040	mg/Kg wet	0.200		116	70-160	6.13	25	V-35	†
tert-Butyl Alcohol (TBA)	0.198	0.10	mg/Kg wet	0.200		99.2	40-130	7.67	25		†
n-Butylbenzene	0.0184	0.0020	mg/Kg wet	0.0200		92.0	70-130	0.758	25		
sec-Butylbenzene	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130	0.00	25		
tert-Butylbenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.6	70-160	1.28	25		†
tert-Butyl Ethyl Ether (TBEE)	0.0159	0.0010	mg/Kg wet	0.0200		79.4	70-130	1.87	25		
Carbon Disulfide	0.193	0.010	mg/Kg wet	0.200		96.5	70-130	0.331	25		
Carbon Tetrachloride	0.0186	0.0020	mg/Kg wet	0.0200		93.1	70-130	0.962	25		
Chlorobenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.5	70-130	0.429	25		
Chlorodibromomethane	0.0195	0.0010	mg/Kg wet	0.0200		97.4	70-130	1.83	25		
Chloroethane	0.0184	0.020	mg/Kg wet	0.0200		91.9	70-130	1.09	25		
Chloroform	0.0187	0.0040	mg/Kg wet	0.0200		93.4	70-130	0.429	25		
Chloromethane	0.0160	0.010	mg/Kg wet	0.0200		80.1	70-130	0.374	25		
2-Chlorotoluene	0.0197	0.0020	mg/Kg wet	0.0200		98.5	70-130	0.509	25		
4-Chlorotoluene	0.0194	0.0020	mg/Kg wet	0.0200		97.0	70-130	0.514	25		
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0020	mg/Kg wet	0.0200		99.9	70-130	3.54	25		
1,2-Dibromoethane (EDB)	0.0193	0.0010	mg/Kg wet	0.0200		96.4	70-130	2.15	25		
Dibromomethane	0.0197	0.0020	mg/Kg wet	0.0200		98.7	70-130	0.505	25		
1,2-Dichlorobenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.5	70-130	0.551	25		
1,3-Dichlorobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.0	70-130	1.54	25		
1,4-Dichlorobenzene	0.0179	0.0020	mg/Kg wet	0.0200		89.3	70-130	0.449	25		
trans-1,4-Dichloro-2-butene	0.0204	0.0040	mg/Kg wet	0.0200		102	70-130	3.85	25		
Dichlorodifluoromethane (Freon 12)	0.0141	0.020	mg/Kg wet	0.0200		70.7	40-160	0.705	25	V-05	†
1,1-Dichloroethane	0.0186	0.0020	mg/Kg wet	0.0200		92.9	70-130	0.537	25		
1,2-Dichloroethane	0.0182	0.0020	mg/Kg wet	0.0200		91.2	70-130	1.20	25		
1,1-Dichloroethylene	0.0178	0.0040	mg/Kg wet	0.0200		88.8	70-130	1.23	25		
cis-1,2-Dichloroethylene	0.0177	0.0020	mg/Kg wet	0.0200		88.6	70-130	1.46	25		
trans-1,2-Dichloroethylene	0.0182	0.0020	mg/Kg wet	0.0200		90.9	70-130	0.658	25		
1,2-Dichloropropane	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130	2.21	25		
1,3-Dichloropropane	0.0201	0.0010	mg/Kg wet	0.0200		100	70-130	0.199	25		
2,2-Dichloropropane	0.0178	0.0020	mg/Kg wet	0.0200		89.0	70-130	1.34	25		
1,1-Dichloropropene	0.0184	0.0020	mg/Kg wet	0.0200		92.0	70-130	0.326	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312736 - SW-846 5035											
LCS Dup (B312736-BSD1)				Prepared & Analyzed: 07/12/22							
cis-1,3-Dichloropropene	0.0192	0.0010	mg/Kg wet	0.0200		96.2	70-130	0.208	25		
trans-1,3-Dichloropropene	0.0172	0.0010	mg/Kg wet	0.0200		85.8	70-130	1.27	25		
Diethyl Ether	0.0183	0.020	mg/Kg wet	0.0200		91.5	70-130	1.63	25		
Diisopropyl Ether (DIPE)	0.0189	0.0010	mg/Kg wet	0.0200		94.5	70-130	1.78	25		
1,4-Dioxane	0.212	0.10	mg/Kg wet	0.200		106	40-160	3.39	50		† ‡
Ethylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130	0.314	25		
Hexachlorobutadiene	0.0184	0.0020	mg/Kg wet	0.0200		92.1	70-160	2.36	25		
2-Hexanone (MBK)	0.221	0.020	mg/Kg wet	0.200		111	70-160	4.72	25	V-35	†
Isopropylbenzene (Cumene)	0.0191	0.0020	mg/Kg wet	0.0200		95.5	70-130	0.630	25		
p-Isopropyltoluene (p-Cymene)	0.0181	0.0020	mg/Kg wet	0.0200		90.5	70-130	0.551	25		
Methyl Acetate	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	2.11	25		
Methyl tert-Butyl Ether (MTBE)	0.0173	0.0040	mg/Kg wet	0.0200		86.6	70-130	2.51	25		
Methyl Cyclohexane	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130	2.48	25		
Methylene Chloride	0.0177	0.020	mg/Kg wet	0.0200		88.5	40-160	0.676	25		†
4-Methyl-2-pentanone (MIBK)	0.213	0.020	mg/Kg wet	0.200		107	70-160	5.02	25		†
Naphthalene	0.0179	0.0040	mg/Kg wet	0.0200		89.3	40-130	4.49	25		†
n-Propylbenzene	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130	0.306	25		
Styrene	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130	0.615	25		
1,1,1,2-Tetrachloroethane	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130	1.79	25		
1,1,2,2-Tetrachloroethane	0.0202	0.0010	mg/Kg wet	0.0200		101	70-130	2.16	25		
Tetrachloroethylene	0.0187	0.0020	mg/Kg wet	0.0200		93.6	70-130	0.533	25		
Tetrahydrofuran	0.0185	0.010	mg/Kg wet	0.0200		92.7	70-130	0.323	25		
Toluene	0.0182	0.0020	mg/Kg wet	0.0200		90.9	70-130	0.220	25		
1,2,3-Trichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		83.9	70-130	2.47	25		
1,2,4-Trichlorobenzene	0.0158	0.0020	mg/Kg wet	0.0200		78.9	70-130	4.70	25		
1,3,5-Trichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		84.0	70-130	3.62	25		
1,1,1-Trichloroethane	0.0191	0.0020	mg/Kg wet	0.0200		95.5	70-130	1.25	25		
1,1,2-Trichloroethane	0.0195	0.0020	mg/Kg wet	0.0200		97.7	70-130	0.917	25		
Trichloroethylene	0.0189	0.0020	mg/Kg wet	0.0200		94.3	70-130	1.37	25		
Trichlorofluoromethane (Freon 11)	0.0182	0.010	mg/Kg wet	0.0200		91.2	70-130	0.656	25		
1,2,3-Trichloropropane	0.0199	0.0020	mg/Kg wet	0.0200		99.3	70-130	4.43	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0203	0.010	mg/Kg wet	0.0200		101	70-130	1.49	25		
1,2,4-Trimethylbenzene	0.0179	0.0020	mg/Kg wet	0.0200		89.6	70-130	0.672	25		
1,3,5-Trimethylbenzene	0.0190	0.0020	mg/Kg wet	0.0200		95.0	70-130	0.211	25		
Vinyl Chloride	0.0170	0.010	mg/Kg wet	0.0200		85.1	40-130	1.75	25		†
m+p Xylene	0.0396	0.0040	mg/Kg wet	0.0400		98.9	70-130	0.00	25		
o-Xylene	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130	0.207	25		
Surrogate: 1,2-Dichloroethane-d4	*0.0450*		mg/Kg wet	0.0500		90.0	70-130				
Surrogate: Toluene-d8	*0.0491*		mg/Kg wet	0.0500		98.2	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0496*		mg/Kg wet	0.0500		99.3	70-130				

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312998 - SW-846 3546										
Blank (B312998-BLK1)				Prepared: 07/14/22 Analyzed: 07/18/22						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.194*		mg/Kg wet	0.200		97.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.182*		mg/Kg wet	0.200		91.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.177*		mg/Kg wet	0.200		88.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.154*		mg/Kg wet	0.200		77.0	30-150			
LCS (B312998-BS1)				Prepared: 07/14/22 Analyzed: 07/18/22						
Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		75.2	40-140			
Aroclor-1016 [2C]	0.13	0.020	mg/Kg wet	0.200		65.9	40-140			
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		72.1	40-140			
Aroclor-1260 [2C]	0.12	0.020	mg/Kg wet	0.200		59.9	40-140			
Surrogate: Decachlorobiphenyl	*0.189*		mg/Kg wet	0.200		94.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.177*		mg/Kg wet	0.200		88.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.173*		mg/Kg wet	0.200		86.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.150*		mg/Kg wet	0.200		74.8	30-150			
LCS Dup (B312998-BSD1)				Prepared: 07/14/22 Analyzed: 07/18/22						
Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		77.4	40-140	2.95	30	
Aroclor-1016 [2C]	0.14	0.020	mg/Kg wet	0.200		69.9	40-140	5.82	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		73.7	40-140	2.20	30	
Aroclor-1260 [2C]	0.12	0.020	mg/Kg wet	0.200		62.1	40-140	3.63	30	
Surrogate: Decachlorobiphenyl	*0.190*		mg/Kg wet	0.200		95.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.177*		mg/Kg wet	0.200		88.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.177*		mg/Kg wet	0.200		88.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.154*		mg/Kg wet	0.200		76.8	30-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B313054 - SW-846 7471										
Blank (B313054-BLK1)				Prepared: 07/15/22 Analyzed: 07/16/22						
Mercury	ND	0.024	mg/Kg wet							
LCS (B313054-BS1)				Prepared: 07/15/22 Analyzed: 07/16/22						
Mercury	22.0	3.9	mg/Kg wet	18.9		116	68.8-131.2			
LCS Dup (B313054-BSD1)				Prepared: 07/15/22 Analyzed: 07/16/22						
Mercury	20.9	3.9	mg/Kg wet	18.9		110	68.8-131.2	5.26	20	
Batch B313194 - SW-846 3050B										
Blank (B313194-BLK1)				Prepared: 07/18/22 Analyzed: 08/01/22						
Arsenic	ND	3.2	mg/Kg wet							
Barium	ND	1.6	mg/Kg wet							
Cadmium	ND	0.32	mg/Kg wet							
Chromium	ND	0.63	mg/Kg wet							
Lead	ND	0.48	mg/Kg wet							
Selenium	ND	3.2	mg/Kg wet							
Silver	ND	0.32	mg/Kg wet							
LCS (B313194-BS1)				Prepared: 07/18/22 Analyzed: 08/01/22						
Arsenic	81.8	10	mg/Kg wet	84.5		96.8	82.8-117.2			
Barium	264	5.0	mg/Kg wet	249		106	82.7-117.3			
Cadmium	95.5	1.0	mg/Kg wet	99.0		96.5	83-117.2			
Chromium	124	2.0	mg/Kg wet	122		101	82.8-118			
Lead	125	1.5	mg/Kg wet	123		102	83.7-117.1			
Selenium	117	10	mg/Kg wet	121		96.7	80.1-120.7			
Silver	44.8	1.0	mg/Kg wet	44.1		102	80.5-119.7			
LCS Dup (B313194-BSD1)				Prepared: 07/18/22 Analyzed: 08/01/22						
Arsenic	81.8	9.9	mg/Kg wet	84.5		96.8	82.8-117.2	0.0363	30	
Barium	257	4.9	mg/Kg wet	249		103	82.7-117.3	2.67	20	
Cadmium	95.3	0.99	mg/Kg wet	99.0		96.3	83-117.2	0.222	20	
Chromium	122	2.0	mg/Kg wet	122		100	82.8-118	1.38	30	
Lead	124	1.5	mg/Kg wet	123		101	83.7-117.1	0.964	30	
Selenium	112	9.9	mg/Kg wet	121		92.9	80.1-120.7	4.03	30	
Silver	45.2	0.99	mg/Kg wet	44.1		103	80.5-119.7	0.950	30	
Reference (B313194-SRM1) MRL CHECK				Prepared: 07/18/22 Analyzed: 08/01/22						
Lead	0.520	0.49	mg/Kg wet	0.493		105	80-120			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312608 - % Solids										
Duplicate (B312608-DUP3)	**Source: 22G0476-04**		Prepared: 07/08/22 Analyzed: 07/09/22							
% Solids	84.8		% Wt		83.3			1.79	5	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

SB-3 (0-2)

Lab Sample ID: 22G0476-06

Date(s) Analyzed: 07/20/2022 07/20/2022

Instrument ID (1): ECD 9

Instrument ID (2): ECD 9

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1268	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.8	25.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B312998-BS1 Date(s) Analyzed: 07/18/2022 07/18/2022

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.15	
	2	0.000	0.000	0.000	0.13	14.3
Aroclor-1260	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.12	15.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B312998-BSD1 Date(s) Analyzed: 07/18/2022 07/18/2022

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.15	
	2	0.000	0.000	0.000	0.14	13.3
Aroclor-1260	1	0.000	0.000	0.000	0.15	
	2	0.000	0.000	0.000	0.12	22.2

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
PR-03a	Sample preserved in the laboratory, not in the field as required by the method and outside the 48 hour holding time.
S-24	Surrogate recovery is biased high due to the presence of Aroclor 1268 in the sample. Aroclor 1268 contains decachlorobiphenyl.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.
Z-01	Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010D in Soil	
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Water	
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA
SW-846 8260D in Soil	
Acetone	CT,NH,NY,ME,VA
Acrylonitrile	CT,NH,NY,ME,VA
Benzene	CT,NH,NY,ME,VA
Bromobenzene	NH,NY,ME,VA
Bromochloromethane	NH,NY,ME,VA
Bromodichloromethane	CT,NH,NY,ME,VA
Bromoform	CT,NH,NY,ME,VA
Bromomethane	CT,NH,NY,ME,VA
2-Butanone (MEK)	CT,NH,NY,ME,VA
tert-Butyl Alcohol (TBA)	NY,ME
n-Butylbenzene	CT,NH,NY,ME,VA
sec-Butylbenzene	CT,NH,NY,ME,VA
tert-Butylbenzene	CT,NH,NY,ME,VA
Carbon Disulfide	CT,NH,NY,ME,VA
Carbon Tetrachloride	CT,NH,NY,ME,VA
Chlorobenzene	CT,NH,NY,ME,VA
Chlorodibromomethane	CT,NH,NY,ME,VA
Chloroethane	CT,NH,NY,ME,VA
Chloroform	CT,NH,NY,ME,VA
Chloromethane	CT,NH,NY,ME,VA
2-Chlorotoluene	CT,NH,NY,ME,VA
4-Chlorotoluene	CT,NH,NY,ME,VA
1,2-Dibromo-3-chloropropane (DBCP)	NY,ME
1,2-Dibromoethane (EDB)	NH,NY
Dibromomethane	NH,NY,ME,VA
1,2-Dichlorobenzene	CT,NH,NY,ME,VA
1,3-Dichlorobenzene	CT,NH,NY,ME,VA
1,4-Dichlorobenzene	CT,NH,NY,ME,VA
trans-1,4-Dichloro-2-butene	NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME,VA
1,1-Dichloroethane	CT,NH,NY,ME,VA
1,2-Dichloroethane	CT,NH,NY,ME,VA
1,1-Dichloroethylene	CT,NH,NY,ME,VA
cis-1,2-Dichloroethylene	CT,NH,NY,ME,VA
trans-1,2-Dichloroethylene	CT,NH,NY,ME,VA
1,2-Dichloropropane	CT,NH,NY,ME,VA
1,3-Dichloropropane	NH,NY,ME,VA
2,2-Dichloropropane	NH,NY,ME,VA
1,1-Dichloropropene	NH,NY,ME,VA
cis-1,3-Dichloropropene	CT,NH,NY,ME,VA
trans-1,3-Dichloropropene	CT,NH,NY,ME,VA
Diethyl Ether	ME
1,4-Dioxane	NY,ME
Ethylbenzene	CT,NH,NY,ME,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Soil	
Hexachlorobutadiene	NH,NY,ME,VA
2-Hexanone (MBK)	CT,NH,NY,ME,VA
Isopropylbenzene (Cumene)	CT,NH,NY,ME,VA
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl Acetate	NY,ME
Methyl tert-Butyl Ether (MTBE)	NY,ME,VA
Methyl Cyclohexane	NY
Methylene Chloride	CT,NH,NY,ME,VA
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME,VA
Naphthalene	NH,NY,ME,VA
n-Propylbenzene	NH,NY,ME
Styrene	CT,NH,NY,ME,VA
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME,VA
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME,VA
Tetrachloroethylene	CT,NH,NY,ME,VA
Toluene	CT,NH,NY,ME,VA
1,2,3-Trichlorobenzene	NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME,VA
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,NH,NY,ME,VA
1,1,2-Trichloroethane	CT,NH,NY,ME,VA
Trichloroethylene	CT,NH,NY,ME,VA
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME,VA
1,2,3-Trichloropropane	NH,NY,ME,VA
1,2,4-Trimethylbenzene	CT,NH,NY,ME,VA
1,3,5-Trimethylbenzene	CT,NH,NY,ME,VA
Vinyl Chloride	CT,NH,NY,ME,VA
m+p Xylene	CT,NH,NY,ME,VA
o-Xylene	CT,NH,NY,ME,VA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
NC-DW	North Carolina Department of Health and Human Services	25703	07/31/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Pace Analytical

Phone: 612-607-6400
Fax: 612-607-6344

L260476

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	Labella Associates
Address:	5 McCrea Hill Road
Phone:	518-885-5383
Project Name:	Former Barnet Mills Property
Project Location:	20 Forbes Avenue, Rensselaer
Project Number:	2220630
Project Manager:	Arlette St. Romain
Pace Analytical Quote Name/Number	
Invoice Recipient:	
Sampled By:	

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: see comments section
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Date	Time	Composite	Grab	[1]Matrix Code	Conc Code	PCB	RCRA Metals	Full list VOC										# of Containers
1	SB-1 (15-20)	7/7/22	1413		X	S	U	X	X											
2	SB-2 (15-20)	7/7/22	1405		X	S	U	X	X											
3	SB-3 (15-20)	7/7/22	1410		X	S	U	X	X											
4	SB-1 (0-2)	7/7/22	1408		X	S	U	X												
5	SB-2 (0-2)	7/7/22	1403		X	S	U	X												
6	SB-3 (0-2)	7/7/22	1415		X	S	U	X												
7	SB-4 (15-20)	7/7/22	1420		X	S	U			X										
8	SB-5 (0-2)	7/7/22	1432		X	S	U	X												
9	SB-6 (0-2)	7/7/22	1434		X	S	U	X												
10	SB-7 (0-2)	7/7/22	1418		X	S	U	X												

ANALYSIS REQUESTED

[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Please Email reports to:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 7.7.22 1615
Received by: (signature)	Date/Time: 7/8/22 9:17
Relinquished by: (signature)	Date/Time: 7/8/22 3:40
Received by: (signature)	Date/Time: 7/8/22 3:40
Relinquished by: (signature)	Date/Time: 7/8/22 5:05
Received by: (signature)	Date/Time: 7/8 1605

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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Pace Analytical®

Phone: 612-607-6400
Fax: 612-607-6344

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

2220476

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	Labella Associates
Address:	5 McCrea Hill Road
Phone:	518-885-5383
Project Name:	Former Barnet Mills Property
Project Location:	20 Forbes Avenue, Rensselaer
Project Number:	2220630
Project Manager:	Arlette St. Romain
Pace Analytical Quote Name/Number	
Invoice Recipient:	
Sampled By:	

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: see comments section
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Date	Time	Composite	Grab	[1] Matrix Code	Conc Code	PCB										# of Containers
11	SB-8 (0-2)	7/7/22	1423		X	S	U	X										
12	SB-9 (0-2)	7/7/22	1425		X	S	U	X										
13	SB-10 (0-2)	7/7/22	1430		X	S	U	X										
14	SB-11 (0-2)	7/7/22	1435		X	S	U	X										

ANALYSIS REQUESTED

[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
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Relinquished by: (signature)	Date/Time: 7/8/22 5:05
Received by: (signature)	Date/Time: 7/8/22 1605

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

Pace

Doc# 277 Rev 5 2017

Pace

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client: Labella Ass. Received By: JW Date: 07/08/22 Time: 1605

How were the samples received? In Cooler: T No Cooler: _____ On Ice: T No Ice: _____ Direct from Sampling: _____ Ambient: _____ Melted Ice: _____

By Gun #: 5 Actual Temp - 4.2

Were samples within Temperature? 2-6°C: T By Blank #: _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client: T Analysis: T Sampler Name: F

Project: T ID's: T Collection Dates/Times: F

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? Acid: N/A Base: N/A

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	1
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

From: Strickland, Ben
Sent: Mon, 11 Jul 2022 14:51:15
To: Scott Basal
Cc: St.Romain, Arlette
Subject: RE: [Ext] 22G0476 - 8260 Acetone
Sensitivity: Normal
Archived: Wednesday, July 13, 2022 10:41:34 AM

CAUTION: This email originated from outside Pace Analytical. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Scott,

Please run the samples for acetone. I assume there will qualifier next to the result explaining that the result is not NY certified?

Thanks,
Ben

Ben Strickland
LaBella Associates | Environmental Geologist

518-885-5383 ext. 221
518-470-3060 direct

-----Original Message-----
From: Scott Basal <Scott.Basal@pacelabs.com>
Sent: Monday, July 11, 2022 10:43 AM
To: Strickland, Ben <BStrickland@LaBellaPC.com>
Subject: [Ext] 22G0476 - 8260 Acetone
Importance: High

Hi Ben,

Can you please advise if we are running the acetone for the 8260 sample? (COC attached) We are not certified currently for this compound via 8260 for soil/solid samples taken in NY.
It will be a couple more weeks before we will find out if we are able to regain certification.

Scott Basal
Project Manager I
39 Spruce Street, East Longmeadow, MA 01028
Cell: 413.427.4513 | Lab: 413.525.2332

P Please consider the environment before printing this email

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August 12, 2022

Arlette St. Romain
Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020

Project Location: 20 Forbes Ave., Rensselaer, NY
Client Job Number:
Project Number: 2220630
Laboratory Work Order Number: 22G0477

Enclosed are results of analyses for samples as received by the laboratory on July 8, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Scott C. Basal
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020
ATTN: Arlette St. Romain

REPORT DATE: 8/12/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2220630

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22G0477

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 20 Forbes Ave., Rensselaer, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Temp Well 1	22G0477-01	Ground Water		SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
Temp Well 2	22G0477-02	Ground Water		SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
Temp Well 3	22G0477-03	Ground Water		SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
Temp Well 4	22G0477-04	Ground Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 6020B

Qualifications:

B-07

Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

22G0477-01[Temp Well 1], 22G0477-02RE1[Temp Well 2], 22G0477-03RE1[Temp Well 3]

R-01

Duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result.

Analyte & Samples(s) Qualified:

Arsenic
B312809-DUP1

SW-846 8260D

Qualifications:

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,4-Dioxane
22G0477-01[Temp Well 1], 22G0477-02[Temp Well 2], 22G0477-03[Temp Well 3], 22G0477-04[Temp Well 4], B312675-BLK1, B312675-BS1, B312675-BSD1, S073783-CCV1
2-Butanone (MEK)
22G0477-01[Temp Well 1], 22G0477-02[Temp Well 2], 22G0477-03[Temp Well 3], 22G0477-04[Temp Well 4], B312675-BLK1, B312675-BS1, B312675-BSD1, S073783-CCV1
Acetone
22G0477-01[Temp Well 1], 22G0477-02[Temp Well 2], 22G0477-03[Temp Well 3], 22G0477-04[Temp Well 4], B312675-BLK1, B312675-BS1, B312675-BSD1, S073783-CCV1
Naphthalene
22G0477-01[Temp Well 1], 22G0477-02[Temp Well 2], 22G0477-03[Temp Well 3], 22G0477-04[Temp Well 4], B312675-BLK1, B312675-BS1, B312675-BSD1, S073783-CCV1
tert-Butyl Alcohol (TBA)
22G0477-01[Temp Well 1], 22G0477-02[Temp Well 2], 22G0477-03[Temp Well 3], 22G0477-04[Temp Well 4], B312675-BLK1, B312675-BS1, B312675-BSD1, S073783-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Chloromethane
B312675-BS1, B312675-BSD1, S073783-CCV1

Hexachlorobutadiene
B312675-BS1, B312675-BSD1, S073783-CCV1

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 1 Sampled: 7/7/2022 13:35

Sample ID: 22G0477-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
2-Butanone (MEK)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 15:38	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 15:38	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 1 Sampled: 7/7/2022 13:35

Sample ID: 22G0477-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,4-Dioxane	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 15:38	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.4	70-130		7/11/22 15:38
Toluene-d8	97.7	70-130		7/11/22 15:38
4-Bromofluorobenzene	96.6	70-130		7/11/22 15:38

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 1 Sampled: 7/7/2022 13:35

Sample ID: 22G0477-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	1.4	0.80	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW
Barium	220	10	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW
Cadmium	4.3	0.20	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW
Chromium	38	1.0	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW
Lead	100	0.50	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/11/22	7/11/22 14:20	ATP
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW
Silver	0.92	0.20	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 1 Sampled: 7/7/2022 13:35

Sample ID: 22G0477-01

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW
Barium	44	10	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW
Cadmium	0.27	0.20	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW
Chromium	1.4	1.0	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW
Lead	ND	0.50	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/19/22	7/20/22 10:22	ATP
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 2 Sampled: 7/7/2022 13:10

Sample ID: 22G0477-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
2-Butanone (MEK)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:02	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:02	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 2 Sampled: 7/7/2022 13:10

Sample ID: 22G0477-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,4-Dioxane	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:02	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.2	70-130		7/11/22 16:02
Toluene-d8	100	70-130		7/11/22 16:02
4-Bromofluorobenzene	98.0	70-130		7/11/22 16:02

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 2 Sampled: 7/7/2022 13:10

Sample ID: 22G0477-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.1	0.80	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW
Barium	670	10	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW
Cadmium	20	0.20	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW
Chromium	130	1.0	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW
Lead	210	0.50	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/11/22	7/11/22 14:22	ATP
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW
Silver	0.22	0.20	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 2 Sampled: 7/7/2022 13:10

Sample ID: 22G0477-02

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW
Barium	33	10	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW
Chromium	1.3	1.0	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW
Lead	ND	0.50	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/19/22	7/20/22 10:24	ATP
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 3 Sampled: 7/7/2022 12:45

Sample ID: 22G0477-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
2-Butanone (MEK)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:26	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:26	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 3 Sampled: 7/7/2022 12:45

Sample ID: 22G0477-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,4-Dioxane	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:26	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.0	70-130		7/11/22 16:26
Toluene-d8	99.4	70-130		7/11/22 16:26
4-Bromofluorobenzene	96.7	70-130		7/11/22 16:26

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 3 Sampled: 7/7/2022 12:45

Sample ID: 22G0477-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.2	0.80	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW
Barium	290	10	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW
Cadmium	1.6	0.20	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW
Chromium	38	1.0	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW
Lead	67	0.50	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/11/22	7/11/22 14:23	ATP
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW
Silver	0.34	0.20	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 3 Sampled: 7/7/2022 12:45

Sample ID: 22G0477-03

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW
Barium	46	10	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW
Cadmium	0.33	0.20	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW
Chromium	1.1	1.0	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW
Lead	ND	0.50	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/19/22	7/20/22 10:30	ATP
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 4 Sampled: 7/7/2022 14:00

Sample ID: 22G0477-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
2-Butanone (MEK)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:50	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:50	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF

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Project Location: 20 Forbes Ave., Rensselaer, NY | Sample Description: | Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 4 | Sampled: 7/7/2022 14:00

Sample ID: 22G0477-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,4-Dioxane	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:50	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.5	70-130		7/11/22 16:50
Toluene-d8	98.5	70-130		7/11/22 16:50
4-Bromofluorobenzene	98.5	70-130		7/11/22 16:50

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312675 - SW-846 5030B										
Blank (B312675-BLK1)				Prepared & Analyzed: 07/11/22						
Acetone	ND	50	µg/L							V-05
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							V-05
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-05
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-05
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312675 - SW-846 5030B											
Blank (B312675-BLK1)				Prepared & Analyzed: 07/11/22							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
Methyl Cyclohexane	ND	1.0	µg/L								
Methylene Chloride	ND	5.0	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								
Naphthalene	ND	2.0	µg/L							V-05	
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L								
1,2,4-Trichlorobenzene	ND	1.0	µg/L								
1,3,5-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*23.7*		µg/L	25.0		94.9	70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		99.9	70-130				
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.0		99.6	70-130				
LCS (B312675-BS1)				Prepared & Analyzed: 07/11/22							
Acetone	76.6	50	µg/L	100		76.6	70-160			V-05	†
Acrylonitrile	8.43	5.0	µg/L	10.0		84.3	70-130				
tert-Amyl Methyl Ether (TAME)	9.54	0.50	µg/L	10.0		95.4	70-130				
Benzene	9.80	1.0	µg/L	10.0		98.0	70-130				
Bromobenzene	10.1	1.0	µg/L	10.0		101	70-130				
Bromochloromethane	10.8	1.0	µg/L	10.0		108	70-130				
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130				
Bromoform	10.5	1.0	µg/L	10.0		105	70-130				
Bromomethane	10.8	2.0	µg/L	10.0		108	40-160				†
2-Butanone (MEK)	78.5	20	µg/L	100		78.5	40-160			V-05	†
tert-Butyl Alcohol (TBA)	69.8	20	µg/L	100		69.8	40-160			V-05	†
n-Butylbenzene	8.92	1.0	µg/L	10.0		89.2	70-130				
sec-Butylbenzene	9.85	1.0	µg/L	10.0		98.5	70-130				
tert-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130				
tert-Butyl Ethyl Ether (TBEE)	9.55	0.50	µg/L	10.0		95.5	70-130				
Carbon Disulfide	96.5	5.0	µg/L	100		96.5	70-130				
Carbon Tetrachloride	10.7	5.0	µg/L	10.0		107	70-130				
Chlorobenzene	10.9	1.0	µg/L	10.0		109	70-130				
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108	70-130				
Chloroethane	11.0	2.0	µg/L	10.0		110	70-130				
Chloroform	10.2	2.0	µg/L	10.0		102	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312675 - SW-846 5030B											
LCS (B312675-BS1)				Prepared & Analyzed: 07/11/22							
Chloromethane	12.8	2.0	µg/L	10.0		128	40-160			V-20	†
2-Chlorotoluene	10.5	1.0	µg/L	10.0		105	70-130				
4-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.38	5.0	µg/L	10.0		83.8	70-130				
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130				
Dibromomethane	10.2	1.0	µg/L	10.0		102	70-130				
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130				
trans-1,4-Dichloro-2-butene	9.27	2.0	µg/L	10.0		92.7	70-130				
Dichlorodifluoromethane (Freon 12)	9.61	2.0	µg/L	10.0		96.1	40-160				†
1,1-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130				
1,2-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130				
1,1-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130				
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130				
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130				
1,2-Dichloropropane	10.9	1.0	µg/L	10.0		109	70-130				
1,3-Dichloropropane	10.4	0.50	µg/L	10.0		104	70-130				
2,2-Dichloropropane	10.1	1.0	µg/L	10.0		101	40-130				†
1,1-Dichloropropene	10.3	2.0	µg/L	10.0		103	70-130				
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130				
trans-1,3-Dichloropropene	9.63	0.50	µg/L	10.0		96.3	70-130				
Diethyl Ether	9.10	2.0	µg/L	10.0		91.0	70-130				
Diisopropyl Ether (DIPE)	10.1	0.50	µg/L	10.0		101	70-130				
1,4-Dioxane	77.0	50	µg/L	100		77.0	40-130			V-05	†
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130				
Hexachlorobutadiene	11.8	0.60	µg/L	10.0		118	70-130			V-20	
2-Hexanone (MBK)	84.0	10	µg/L	100		84.0	70-160				†
Isopropylbenzene (Cumene)	10.8	1.0	µg/L	10.0		108	70-130				
p-Isopropyltoluene (p-Cymene)	9.51	1.0	µg/L	10.0		95.1	70-130				
Methyl Acetate	10.2	1.0	µg/L	10.0		102	70-130				
Methyl tert-Butyl Ether (MTBE)	10.4	1.0	µg/L	10.0		104	70-130				
Methyl Cyclohexane	9.82	1.0	µg/L	10.0		98.2	70-130				
Methylene Chloride	9.67	5.0	µg/L	10.0		96.7	70-130				
4-Methyl-2-pentanone (MIBK)	90.1	10	µg/L	100		90.1	70-160				†
Naphthalene	6.34	2.0	µg/L	10.0		63.4	40-130			V-05	†
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130				
Styrene	10.7	1.0	µg/L	10.0		107	70-130				
1,1,1,2-Tetrachloroethane	11.1	1.0	µg/L	10.0		111	70-130				
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130				
Tetrachloroethylene	11.4	1.0	µg/L	10.0		114	70-130				
Tetrahydrofuran	9.22	10	µg/L	10.0		92.2	70-130				
Toluene	10.6	1.0	µg/L	10.0		106	70-130				
1,2,3-Trichlorobenzene	8.31	5.0	µg/L	10.0		83.1	70-130				
1,2,4-Trichlorobenzene	8.58	1.0	µg/L	10.0		85.8	70-130				
1,3,5-Trichlorobenzene	9.41	1.0	µg/L	10.0		94.1	70-130				
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130				
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130				
Trichloroethylene	10.7	1.0	µg/L	10.0		107	70-130				
Trichlorofluoromethane (Freon 11)	9.72	2.0	µg/L	10.0		97.2	70-130				
1,2,3-Trichloropropane	9.43	2.0	µg/L	10.0		94.3	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312675 - SW-846 5030B											
LCS (B312675-BS1)				Prepared & Analyzed: 07/11/22							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130				
1,2,4-Trimethylbenzene	9.15	1.0	µg/L	10.0		91.5	70-130				
1,3,5-Trimethylbenzene	9.99	1.0	µg/L	10.0		99.9	70-130				
Vinyl Chloride	10.6	2.0	µg/L	10.0		106	40-160				†
m+p Xylene	21.0	2.0	µg/L	20.0		105	70-130				
o-Xylene	10.7	1.0	µg/L	10.0		107	70-130				
Surrogate: 1,2-Dichloroethane-d4	*23.4*		µg/L	25.0		93.4	70-130				
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101	70-130				
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.6	70-130				
LCS Dup (B312675-BSD1)				Prepared & Analyzed: 07/11/22							
Acetone	72.3	50	µg/L	100		72.3	70-160	5.85	25	V-05	†
Acrylonitrile	8.03	5.0	µg/L	10.0		80.3	70-130	4.86	25		
tert-Amyl Methyl Ether (TAME)	9.05	0.50	µg/L	10.0		90.5	70-130	5.27	25		
Benzene	9.79	1.0	µg/L	10.0		97.9	70-130	0.102	25		
Bromobenzene	9.91	1.0	µg/L	10.0		99.1	70-130	1.90	25		
Bromochloromethane	10.6	1.0	µg/L	10.0		106	70-130	2.05	25		
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130	0.00	25		
Bromoform	10.1	1.0	µg/L	10.0		101	70-130	3.59	25		
Bromomethane	9.69	2.0	µg/L	10.0		96.9	40-160	10.8	25		†
2-Butanone (MEK)	74.9	20	µg/L	100		74.9	40-160	4.69	25	V-05	†
tert-Butyl Alcohol (TBA)	68.1	20	µg/L	100		68.1	40-160	2.38	25	V-05	†
n-Butylbenzene	9.02	1.0	µg/L	10.0		90.2	70-130	1.11	25		
sec-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130	3.00	25		
tert-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130	1.55	25		
tert-Butyl Ethyl Ether (TBEE)	9.20	0.50	µg/L	10.0		92.0	70-130	3.73	25		
Carbon Disulfide	97.1	5.0	µg/L	100		97.1	70-130	0.651	25		
Carbon Tetrachloride	10.9	5.0	µg/L	10.0		109	70-130	1.39	25		
Chlorobenzene	10.9	1.0	µg/L	10.0		109	70-130	0.276	25		
Chlorodibromomethane	10.6	0.50	µg/L	10.0		106	70-130	1.95	25		
Chloroethane	10.6	2.0	µg/L	10.0		106	70-130	4.35	25		
Chloroform	10.1	2.0	µg/L	10.0		101	70-130	0.989	25		
Chloromethane	11.8	2.0	µg/L	10.0		118	40-160	7.96	25	V-20	†
2-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130	1.73	25		
4-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130	1.36	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.19	5.0	µg/L	10.0		81.9	70-130	2.29	25		
1,2-Dibromoethane (EDB)	9.82	0.50	µg/L	10.0		98.2	70-130	4.19	25		
Dibromomethane	10.2	1.0	µg/L	10.0		102	70-130	0.0985	25		
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	0.289	25		
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	1.24	25		
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	0.389	25		
trans-1,4-Dichloro-2-butene	7.66	2.0	µg/L	10.0		76.6	70-130	19.0	25		
Dichlorodifluoromethane (Freon 12)	10.2	2.0	µg/L	10.0		102	40-160	5.76	25		†
1,1-Dichloroethane	9.88	1.0	µg/L	10.0		98.8	70-130	1.41	25		
1,2-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130	1.59	25		
1,1-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	0.196	25		
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	0.0986	25		
trans-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	2.06	25		
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130	4.69	25		
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103	70-130	1.64	25		
2,2-Dichloropropane	9.80	1.0	µg/L	10.0		98.0	40-130	2.62	25		†
1,1-Dichloropropene	10.6	2.0	µg/L	10.0		106	70-130	2.40	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312675 - SW-846 5030B											
LCS Dup (B312675-BSD1)				Prepared & Analyzed: 07/11/22							
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130	3.11	25		
trans-1,3-Dichloropropene	9.56	0.50	µg/L	10.0		95.6	70-130	0.730	25		
Diethyl Ether	9.06	2.0	µg/L	10.0		90.6	70-130	0.441	25		
Diisopropyl Ether (DIPE)	9.74	0.50	µg/L	10.0		97.4	70-130	4.02	25		
1,4-Dioxane	79.6	50	µg/L	100		79.6	40-130	3.27	50	V-05	† ‡
Ethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	0.675	25		
Hexachlorobutadiene	11.1	0.60	µg/L	10.0		111	70-130	5.87	25	V-20	
2-Hexanone (MBK)	80.8	10	µg/L	100		80.8	70-160	3.90	25		†
Isopropylbenzene (Cumene)	10.8	1.0	µg/L	10.0		108	70-130	0.185	25		
p-Isopropyltoluene (p-Cymene)	9.73	1.0	µg/L	10.0		97.3	70-130	2.29	25		
Methyl Acetate	9.93	1.0	µg/L	10.0		99.3	70-130	2.29	25		
Methyl tert-Butyl Ether (MTBE)	9.98	1.0	µg/L	10.0		99.8	70-130	4.22	25		
Methyl Cyclohexane	10.2	1.0	µg/L	10.0		102	70-130	3.70	25		
Methylene Chloride	9.47	5.0	µg/L	10.0		94.7	70-130	2.09	25		
4-Methyl-2-pentanone (MIBK)	86.9	10	µg/L	100		86.9	70-160	3.63	25		†
Naphthalene	5.81	2.0	µg/L	10.0		58.1	40-130	8.72	25	V-05	†
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130	0.588	25		
Styrene	10.4	1.0	µg/L	10.0		104	70-130	2.18	25		
1,1,1,2-Tetrachloroethane	11.3	1.0	µg/L	10.0		113	70-130	1.52	25		
1,1,2,2-Tetrachloroethane	9.89	0.50	µg/L	10.0		98.9	70-130	3.18	25		
Tetrachloroethylene	11.6	1.0	µg/L	10.0		116	70-130	1.82	25		
Tetrahydrofuran	8.61	10	µg/L	10.0		86.1	70-130	6.84	25		
Toluene	10.7	1.0	µg/L	10.0		107	70-130	1.22	25		
1,2,3-Trichlorobenzene	7.94	5.0	µg/L	10.0		79.4	70-130	4.55	25		
1,2,4-Trichlorobenzene	8.44	1.0	µg/L	10.0		84.4	70-130	1.65	25		
1,3,5-Trichlorobenzene	9.78	1.0	µg/L	10.0		97.8	70-130	3.86	25		
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130	0.669	25		
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	3.07	25		
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	2.03	25		
Trichlorofluoromethane (Freon 11)	10.1	2.0	µg/L	10.0		101	70-130	3.74	25		
1,2,3-Trichloropropane	8.85	2.0	µg/L	10.0		88.5	70-130	6.35	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.0		110	70-130	4.29	25		
1,2,4-Trimethylbenzene	9.33	1.0	µg/L	10.0		93.3	70-130	1.95	25		
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	1.79	25		
Vinyl Chloride	10.7	2.0	µg/L	10.0		107	40-160	0.469	25		†
m+p Xylene	20.8	2.0	µg/L	20.0		104	70-130	1.29	25		
o-Xylene	10.8	1.0	µg/L	10.0		108	70-130	0.558	25		
Surrogate: 1,2-Dichloroethane-d4	*23.2*		µg/L	25.0		92.6	70-130				
Surrogate: Toluene-d8	*25.5*		µg/L	25.0		102	70-130				
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.0		101	70-130				

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312670 - SW-846 7470A Prep										
Blank (B312670-BLK1)				Prepared & Analyzed: 07/11/22						
Mercury	ND	0.00010	mg/L							
LCS (B312670-BS1)				Prepared & Analyzed: 07/11/22						
Mercury	0.00420	0.00010	mg/L	0.00402		105	80-120			
LCS Dup (B312670-BSD1)				Prepared & Analyzed: 07/11/22						
Mercury	0.00437	0.00010	mg/L	0.00402		109	80-120	3.82	20	
Batch B312809 - SW-846 3005A										
Blank (B312809-BLK1)				Prepared: 07/12/22 Analyzed: 07/15/22						
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
LCS (B312809-BS1)				Prepared: 07/12/22 Analyzed: 07/15/22						
Arsenic	477	8.0	µg/L	500		95.3	80-120			
Barium	468	100	µg/L	500		93.7	80-120			
Cadmium	481	2.0	µg/L	500		96.2	80-120			
Chromium	488	10	µg/L	500		97.6	80-120			
Lead	477	5.0	µg/L	500		95.4	80-120			
Selenium	484	50	µg/L	500		96.9	80-120			
Silver	475	2.0	µg/L	500		95.1	80-120			
LCS Dup (B312809-BSD1)				Prepared: 07/12/22 Analyzed: 07/15/22						
Arsenic	476	8.0	µg/L	500		95.2	80-120	0.109	20	
Barium	464	100	µg/L	500		92.9	80-120	0.906	20	
Cadmium	476	2.0	µg/L	500		95.2	80-120	1.06	20	
Chromium	487	10	µg/L	500		97.5	80-120	0.178	20	
Lead	470	5.0	µg/L	500		93.9	80-120	1.57	20	
Selenium	487	50	µg/L	500		97.4	80-120	0.546	20	
Silver	470	2.0	µg/L	500		94.0	80-120	1.10	20	
Duplicate (B312809-DUP1)	**Source: 22G0477-02**			Prepared: 07/12/22 Analyzed: 07/15/22						
Arsenic	ND	0.80	µg/L		ND			NC	20	R-01
Barium	31.6	10	µg/L		31.3			0.933	20	
Cadmium	ND	0.20	µg/L		ND			NC	20	
Chromium	ND	1.0	µg/L		ND			NC	20	
Lead	ND	0.50	µg/L		ND			NC	20	
Selenium	ND	5.0	µg/L		ND			NC	20	
Silver	ND	2.0	µg/L		ND			NC	20	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312809 - SW-846 3005A										
Matrix Spike (B312809-MS1)	**Source: 22G0477-02**			Prepared: 07/12/22 Analyzed: 07/15/22						
Arsenic	472	8.0	µg/L	500	ND	94.4	75-125			
Barium	494	100	µg/L	500	31.3	92.5	75-125			
Cadmium	471	2.0	µg/L	500	ND	94.2	75-125			
Chromium	480	10	µg/L	500	ND	96.1	75-125			
Lead	467	5.0	µg/L	500	ND	93.4	75-125			
Selenium	474	50	µg/L	500	ND	94.8	75-125			
Silver	465	2.0	µg/L	500	ND	93.0	75-125			
Batch B313096 - SW-846 3005A										
Blank (B313096-BLK1)				Prepared: 07/15/22 Analyzed: 07/20/22						
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
LCS (B313096-BS1)				Prepared: 07/15/22 Analyzed: 07/20/22						
Arsenic	545	8.0	µg/L	500		109	80-120			
Barium	485	100	µg/L	500		97.0	80-120			
Cadmium	496	2.0	µg/L	500		99.2	80-120			
Chromium	513	10	µg/L	500		103	80-120			
Lead	495	5.0	µg/L	500		99.0	80-120			
Selenium	511	50	µg/L	500		102	80-120			
Silver	495	2.0	µg/L	500		98.9	80-120			
LCS Dup (B313096-BSD1)				Prepared: 07/15/22 Analyzed: 07/20/22						
Arsenic	516	8.0	µg/L	500		103	80-120	5.52	20	
Barium	466	100	µg/L	500		93.3	80-120	3.98	20	
Cadmium	474	2.0	µg/L	500		94.9	80-120	4.51	20	
Chromium	511	10	µg/L	500		102	80-120	0.529	20	
Lead	477	5.0	µg/L	500		95.4	80-120	3.70	20	
Selenium	487	50	µg/L	500		97.5	80-120	4.65	20	
Silver	475	2.0	µg/L	500		95.0	80-120	4.08	20	

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B313014 - SW-846 3005A Dissolved										
Blank (B313014-BLK1)				Prepared: 07/14/22 Analyzed: 07/26/22						
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
LCS (B313014-BS1)				Prepared: 07/14/22 Analyzed: 07/26/22						
Arsenic	525	8.0	µg/L	500		105	80-120			
Barium	529	100	µg/L	500		106	80-120			
Cadmium	528	2.0	µg/L	500		106	80-120			
Chromium	530	10	µg/L	500		106	80-120			
Lead	522	5.0	µg/L	500		104	80-120			
Selenium	509	50	µg/L	500		102	80-120			
Silver	511	2.0	µg/L	500		102	80-120			
LCS Dup (B313014-BSD1)				Prepared: 07/14/22 Analyzed: 07/26/22						
Arsenic	533	8.0	µg/L	500		107	80-120	1.56	20	
Barium	536	100	µg/L	500		107	80-120	1.45	20	
Cadmium	542	2.0	µg/L	500		108	80-120	2.48	20	
Chromium	537	10	µg/L	500		107	80-120	1.33	20	
Lead	535	5.0	µg/L	500		107	80-120	2.33	20	
Selenium	522	50	µg/L	500		104	80-120	2.60	20	
Silver	519	2.0	µg/L	500		104	80-120	1.44	20	
Duplicate (B313014-DUP1)	**Source: 22G0477-03**			Prepared: 07/14/22 Analyzed: 07/27/22						
Arsenic	ND	0.80	µg/L		ND			NC	20	
Barium	46.1	10	µg/L		46.0			0.317	20	
Cadmium	0.313	0.20	µg/L		0.325			3.98	20	
Chromium	ND	1.0	µg/L		1.13			NC	20	
Lead	ND	0.50	µg/L		ND			NC	20	
Selenium	ND	5.0	µg/L		ND			NC	20	
Silver	ND	0.20	µg/L		ND			NC	20	
Matrix Spike (B313014-MS1)	**Source: 22G0477-03**			Prepared: 07/14/22 Analyzed: 07/26/22						
Arsenic	533	8.0	µg/L	500	ND	107	75-125			
Barium	576	100	µg/L	500	46.0	106	75-125			
Cadmium	528	2.0	µg/L	500	0.325	106	75-125			
Chromium	527	10	µg/L	500	ND	105	75-125			
Lead	526	5.0	µg/L	500	ND	105	75-125			
Selenium	512	50	µg/L	500	ND	102	75-125			
Silver	502	2.0	µg/L	500	ND	100	75-125			

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B313254 - SW-846 7470A Dissolved										
Blank (B313254-BLK1)				Prepared: 07/19/22 Analyzed: 07/20/22						
Mercury	ND	0.00010	mg/L							
LCS (B313254-BS1)				Prepared: 07/19/22 Analyzed: 07/20/22						
Mercury	0.00405	0.00010	mg/L	0.00402		101	80-120			
LCS Dup (B313254-BSD1)				Prepared: 07/19/22 Analyzed: 07/20/22						
Mercury	0.00368	0.00010	mg/L	0.00402		91.6	80-120	9.44	20	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
B-07	Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.
R-01	Duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6020B in Water	
Arsenic	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,NC,ME,VA
Barium	MA,NY,CT,NC,NH,ME,VA
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Cadmium	CT,NH,NY,NC,ME,VA
Chromium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,NC,ME,VA
Lead	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,NC,ME,VA
Selenium	CT,NH,NY,NC,ME,VA
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NC,NH,NY,ME,VA
Silver	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
NC-DW	North Carolina Department of Health and Human Services	25703	07/31/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Pace Analytical®

Phone: 612-607-6400
Fax: 612-607-6344

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

2260477

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	Labella Associates
Address:	5 McCrea Hill Road
Phone:	518-885-5383
Project Name:	Former Barnet Mills Property
Project Location:	20 Forbes Avenue, Rensselaer
Project Number:	
Project Manager:	Arlette St. Romain
Pace Analytical Quote Name/Number:	
Invoice Recipient:	
Sampled By:	

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: see comments section
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Date	Time	Composite	Grab	[1]Matrix Code	Conc Code	RCRA Metals - Total	RCRA Metals - Dissolved	Full List VOC	# of Containers	[2] Preservation Code	[3] Container Code
1	Temp Well 1	7/7/22	1335		X	GW	U	X	X	X			
2	Temp Well 2	7/7/22	1310		X	GW	U	X	X	X			
3	Temp Well 3	7/7/22	1245		X	GW	U	X	X	X			
4	Temp Well 4	7/7/22	1400		X	GW	U			X			

ANALYSIS REQUESTED

Dissolved Metals Samples
☑ Field Filtered
☑ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Please Email reports to:

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 7.7.22 1615
Received by: (signature)	Date/Time: 7/8/22 0917
Relinquished by: (signature)	Date/Time: 7/8/22 3:40
Received by: (signature)	Date/Time: 7/8/22 3:40
Relinquished by: (signature)	Date/Time: 7/8/22 5:05
Received by: (signature)	Date/Time: 7/8 1605

Program & Regulatory Information
☐ AWQ STDS ☑ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other:

Other:
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Table of Contents

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

Pace

Doc# 277 Rev 5 2017

Pace

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client: Labella Ass. | Received By: DW | Date: 07/08/22 | Time: 1605

How were the samples received? In Cooler: T | No Cooler: | On Ice: T | No Ice: | Direct from Sampling: | Ambient: | Melted Ice: | By Gun #: 5 | Actual Temp - 4.2 | By Blank #: | Actual Temp -

Were samples within Temperature? 2-6°C: T | Was Custody Seal Intact? N/A | Was COC Relinquished ? T | Were Samples Tampered with? N/A | Does Chain Agree With Samples? T | Are there broken/leaking/loose caps on any samples? F | Were samples received within holding time? T

Is COC in ink/ Legible? T | Did COC include all pertinent Information? Client: T, Project: T | Analysis ID's: T | Sampler Name: F | Collection Dates/Times: F

Are Sample labels filled out and legible? T

Are there Lab to Filters? F | Are there Rushes? F | Are there Short Holds? F | Is there enough Volume? T | Is there Headspace where applicable? F | Proper Media/Containers Used? T | Were trip blanks received? F | Do all samples have the proper pH?

Who was notified? | Who was notified? | Who was notified?

MS/MSD? F | Is splitting samples required? F | On COC? F | Acid: T | Base: N/A

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	9	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	6	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

From: Strickland, Ben
Sent: Mon, 11 Jul 2022 14:51:15
To: Scott Basal
Cc: St.Romain, Arlette
Subject: RE: [Ext] 22G0476 - 8260 Acetone
Sensitivity: Normal
Archived: Wednesday, July 13, 2022 10:41:34 AM

CAUTION: This email originated from outside Pace Analytical. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Scott,

Please run the samples for acetone. I assume there will qualifier next to the result explaining that the result is not NY certified?

Thanks,
Ben

Ben Strickland
LaBella Associates | Environmental Geologist

518-885-5383 ext. 221
518-470-3060 direct

-----Original Message-----
From: Scott Basal <Scott.Basal@pacelabs.com>
Sent: Monday, July 11, 2022 10:43 AM
To: Strickland, Ben <BStrickland@LaBellaPC.com>
Subject: [Ext] 22G0476 - 8260 Acetone
Importance: High

Hi Ben,

Can you please advise if we are running the acetone for the 8260 sample? (COC attached) We are not certified currently for this compound via 8260 for soil/solid samples taken in NY.
It will be a couple more weeks before we will find out if we are able to regain certification.

Scott Basal
Project Manager I
39 Spruce Street, East Longmeadow, MA 01028
Cell: 413.427.4513 | Lab: 413.525.2332

P Please consider the environment before printing this email

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August 11, 2022

Arlette St. Romain
Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020

Project Location: 20 Forbes Ave., Rensselaer, NY
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 22G0536

Enclosed are results of analyses for samples as received by the laboratory on July 11, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Scott C. Basal
Project Manager

Table of Contents

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020
ATTN: Arlette St. Romain

REPORT DATE: 8/11/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22G0536

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 20 Forbes Ave., Rensselaer, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-4	22G0536-01	Ground Water		SOP-454 PFAS	
MW-8	22G0536-02	Ground Water		SOP-454 PFAS	
MW-11	22G0536-03	Ground Water		SOP-454 PFAS	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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Qualifications:

PF-17

Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.

Analyte & Samples(s) Qualified:

M2-4:2FTS
22G0536-01[MW-4]

M2-6:2FTS
22G0536-01[MW-4]

S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:

d3-NMeFOSAA
22G0536-03[MW-11]

d5-NEtFOSAA
22G0536-03[MW-11]

M2-8:2FTS
22G0536-03[MW-11]

M2PFTA
22G0536-01[MW-4], 22G0536-03[MW-11]

M3HFPO-DA
22G0536-01[MW-4], 22G0536-03[MW-11]

M6PFDA
22G0536-03[MW-11]

M7PFUnA
22G0536-03[MW-11]

M8FOSA
22G0536-01[MW-4], 22G0536-03[MW-11]

M8PFOA
22G0536-03[MW-11]

M8PFOS
22G0536-03[MW-11]

M9PFNA
22G0536-03[MW-11]

MPFBA
22G0536-01[MW-4], 22G0536-03[MW-11]

MPFDoA
22G0536-01[MW-4], 22G0536-03[MW-11]

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Perfluorooctanoic acid (PFOA)
S075081-CCV2

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Hexafluoropropylene oxide dimer a
S075081-CCV2

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The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0536

Date Received: 7/11/2022

Field Sample #: MW-4 Sampled: 7/8/2022 09:00

Sample ID: 22G0536-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoropentanoic acid (PFPeA)	2.7	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorodecanoic acid (PFDA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
N-EtFOSAA	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
N-MeFOSAA	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorooctanoic acid (PFOA)	2.3	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorooctanesulfonic acid (PFOS)	1.9	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorononanoic acid (PFNA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH

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Project Location: 20 Forbes Ave., Rensselaer, NY | Sample Description: | Work Order: 22G0536

Date Received: 7/11/2022

Field Sample #: MW-8 | Sampled: 7/8/2022 09:30

Sample ID: 22G0536-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoropentanoic acid (PFPeA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorodecanoic acid (PFDA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
N-EtFOSAA	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
N-MeFOSAA	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorooctanoic acid (PFOA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorononanoic acid (PFNA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0536

Date Received: 7/11/2022

Field Sample #: MW-11 Sampled: 7/8/2022 10:15

Sample ID: 22G0536-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.5	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoropentanoic acid (PFPeA)	4.1	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorodecanoic acid (PFDA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
N-EtFOSAA	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
N-MeFOSAA	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoropetanesulfonic acid (PFPeS)	4.8	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorooctanoic acid (PFOA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorononanoic acid (PFNA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B313861 - SOP 454-PFAAS										
Blank (B313861-BLK1)				Prepared: 07/29/22 Analyzed: 08/04/22						
Perfluorobutanoic acid (PFBA)	ND	1.8	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.8	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.8	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.8	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.8	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.8	ng/L							
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.8	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.8	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	ng/L							
N-EtFOSAA	ND	1.8	ng/L							
N-MeFOSAA	ND	1.8	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	1.8	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	ng/L							
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	ng/L							
Perfluorooctanesulfonamide (FOSA)	ND	1.8	ng/L							
Perfluorononanesulfonic acid (PFNS)	ND	1.8	ng/L							
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	ng/L							
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.8	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8	ng/L							
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.8	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.8	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.8	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.8	ng/L							
LCS (B313861-BS1)				Prepared: 07/29/22 Analyzed: 08/04/22						
Perfluorobutanoic acid (PFBA)	10.7	1.9	ng/L	9.32		114	73-129			
Perfluorobutanesulfonic acid (PFBS)	8.99	1.9	ng/L	8.24		109	72-130			
Perfluoropentanoic acid (PFPeA)	10.6	1.9	ng/L	9.32		113	72-129			
Perfluorohexanoic acid (PFHxA)	10.4	1.9	ng/L	9.32		112	72-129			
11Cl-PF3OUdS (F53B Major)	8.71	1.9	ng/L	8.78		99.2	50-150			
9Cl-PF3ONS (F53B Minor)	8.63	1.9	ng/L	8.68		99.4	50-150			
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	9.27	1.9	ng/L	8.78		106	50-150			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	6.31	1.9	ng/L	9.32		67.8	50-150			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	8.91	1.9	ng/L	8.94		99.6	67-138			
Perfluorodecanoic acid (PFDA)	10.0	1.9	ng/L	9.32		107	71-129			
Perfluorododecanoic acid (PFDoA)	9.77	1.9	ng/L	9.32		105	72-134			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.63	1.9	ng/L	8.29		104	50-150			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B313861 - SOP 454-PFAAS										
LCS (B313861-BS1)				Prepared: 07/29/22 Analyzed: 08/04/22						
Perfluoroheptanesulfonic acid (PFHpS)	8.52	1.9	ng/L	8.90		95.7	69-134			
N-EtFOSAA	11.5	1.9	ng/L	9.32		123	61-135			
N-MeFOSAA	12.4	1.9	ng/L	9.32		133	65-136			
Perfluorotetradecanoic acid (PFTA)	10.6	1.9	ng/L	9.32		114	71-132			
Perfluorotridecanoic acid (PFTrDA)	11.1	1.9	ng/L	9.32		119	65-144			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	9.51	1.9	ng/L	8.71		109	63-143			
Perfluorodecanesulfonic acid (PFDS)	8.11	1.9	ng/L	8.99		90.2	53-142			
Perfluorooctanesulfonamide (FOSA)	9.60	1.9	ng/L	9.32		103	67-137			
Perfluorononanesulfonic acid (PFNS)	8.81	1.9	ng/L	8.94		98.5	69-127			
Perfluoro-1-hexanesulfonamide (FHxSA)	11.4	1.9	ng/L	9.32		122	50-150			
Perfluoro-1-butanesulfonamide (FBSA)	10.2	1.9	ng/L	9.32		109	50-150			
Perfluorohexanesulfonic acid (PFHxS)	9.59	1.9	ng/L	8.52		112	68-131			
Perfluoro-4-oxapentanoic acid (PFMPA)	9.37	1.9	ng/L	9.32		101	50-150			
Perfluoro-5-oxahexanoic acid (PFMBA)	10.3	1.9	ng/L	9.32		110	50-150			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	9.80	1.9	ng/L	8.85		111	64-140			
Perfluoropetanesulfonic acid (PFPeS)	10.6	1.9	ng/L	8.76		121	71-127			
Perfluoroundecanoic acid (PFUnA)	10.2	1.9	ng/L	9.32		110	69-133			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.18	1.9	ng/L	9.32		98.5	50-150			
Perfluoroheptanoic acid (PFHpA)	10.4	1.9	ng/L	9.32		111	72-130			
Perfluorooctanoic acid (PFOA)	11.6	1.9	ng/L	9.32		124	71-133			
Perfluorooctanesulfonic acid (PFOS)	8.81	1.9	ng/L	8.62		102	65-140			
Perfluorononanoic acid (PFNA)	11.9	1.9	ng/L	9.32		128	69-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
PF-17	Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.
S-29	Extracted Internal Standard is outside of control limits.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW-4 (22G0536-01)			Lab File ID: 22G0536-01.d			Analyzed: 08/04/22 19:00			
M8FOSA	64271.81	4.004567	332,486.00	4.00455	19	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	361102.3	2.496833	206,351.00	2.505033	175	50 - 150	-0.0082	+/-0.50	*
M2PFTA	52587.15	4.345933	1,423,107.00	4.345917	04	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	166729.6	3.810767	149,116.00	3.81075	112	50 - 150	0.0000	+/-0.50	
MPFBA	170124.7	1.066783	506,928.00	1.075083	34	50 - 150	-0.0083	+/-0.50	*
M3HFPO-DA	87760.69	2.839317	196,481.00	2.847483	45	50 - 150	-0.0082	+/-0.50	*
M6PFDA	450238.4	3.8113	719,317.00	3.811283	63	50 - 150	0.0000	+/-0.50	
M3PFBS	116097.9	1.894967	152,226.00	1.90325	76	50 - 150	-0.0083	+/-0.50	
M7PFUnA	546740.6	3.962033	989,921.00	3.962017	55	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	209668	3.453283	123,959.00	3.453267	169	50 - 150	0.0000	+/-0.50	*
M5PFPeA	294780.7	1.7231	475,823.00	1.731383	62	50 - 150	-0.0083	+/-0.50	
M5PFHxA	708812.6	2.580567	917,895.00	2.596967	77	50 - 150	-0.0164	+/-0.50	
M3PFHxS	105646.9	3.21835	140,133.00	3.226417	75	50 - 150	-0.0081	+/-0.50	
M4PFHpA	846362.6	3.18695	1,082,599.00	3.186933	78	50 - 150	0.0000	+/-0.50	
M8PFOA	686247.8	3.469933	996,510.00	3.469917	69	50 - 150	0.0000	+/-0.50	
M8PFOS	78436.23	3.66015	133,024.00	3.660133	59	50 - 150	0.0000	+/-0.50	
M9PFNA	455273.9	3.661183	735,984.00	3.661167	62	50 - 150	0.0000	+/-0.50	
MPFDoA	309742.7	4.09665	1,117,487.00	4.096633	28	50 - 150	0.0000	+/-0.50	*
d5-NEtFOSAA	196890.9	3.9695	276,941.00	3.969483	71	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	202227.8	3.88975	316,522.00	3.889733	64	50 - 150	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW-8 (22G0536-02)			Lab File ID: 22G0536-02.d			Analyzed: 08/04/22 19:07			
M8FOSA	216841.1	4.01255	332,486.00	4.00455	65	50 - 150	0.0080	+/-0.50	
M2-4:2FTS	120833.6	2.513233	206,351.00	2.505033	59	50 - 150	0.0082	+/-0.50	
M2PFTA	809580.9	4.345933	1,423,107.00	4.345917	57	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	90214.99	3.818733	149,116.00	3.81075	60	50 - 150	0.0080	+/-0.50	
MPFBA	354177.9	1.075083	506,928.00	1.075083	70	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	146733.5	2.855667	196,481.00	2.847483	75	50 - 150	0.0082	+/-0.50	
M6PFDA	525565.8	3.81925	719,317.00	3.811283	73	50 - 150	0.0080	+/-0.50	
M3PFBS	125287.3	1.911533	152,226.00	1.90325	82	50 - 150	0.0083	+/-0.50	
M7PFUnA	720482.7	3.962017	989,921.00	3.962017	73	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	65027.83	3.453267	123,959.00	3.453267	52	50 - 150	0.0000	+/-0.50	
M5PFPeA	367311.4	1.731383	475,823.00	1.731383	77	50 - 150	0.0000	+/-0.50	
M5PFHxA	760801.8	2.605183	917,895.00	2.596967	83	50 - 150	0.0082	+/-0.50	
M3PFHxS	101065.9	3.226417	140,133.00	3.226417	72	50 - 150	0.0000	+/-0.50	
M4PFHpA	847672	3.195017	1,082,599.00	3.186933	78	50 - 150	0.0081	+/-0.50	
M8PFOA	659494.6	3.469917	996,510.00	3.469917	66	50 - 150	0.0000	+/-0.50	
M8PFOS	78489.45	3.660133	133,024.00	3.660133	59	50 - 150	0.0000	+/-0.50	
M9PFNA	468582	3.661183	735,984.00	3.661167	64	50 - 150	0.0000	+/-0.50	
MPFDoA	780721.4	4.096633	1,117,487.00	4.096633	70	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	193487.7	3.969483	276,941.00	3.969483	70	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	195760.9	3.889733	316,522.00	3.889733	62	50 - 150	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW-11 (22G0536-03)			Lab File ID: 22G0536-03.d			Analyzed: 08/04/22 19:14			
M8FOSA	31875.68	4.004567	332,486.00	4.00455	10	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	131373.8	2.496833	206,351.00	2.505033	64	50 - 150	-0.0082	+/-0.50	
M2PFTA	15471.35	4.3378	1,423,107.00	4.345917	01	50 - 150	-0.0081	+/-0.50	*
M2-8:2FTS	61277.24	3.810767	149,116.00	3.81075	41	50 - 150	0.0000	+/-0.50	*
MPFBA	194555.3	1.0751	506,928.00	1.075083	38	50 - 150	0.0000	+/-0.50	*
M3HFPO-DA	90396.69	2.8475	196,481.00	2.847483	46	50 - 150	0.0000	+/-0.50	*
M6PFDA	279227.8	3.8113	719,317.00	3.811283	39	50 - 150	0.0000	+/-0.50	*
M3PFBS	85691.63	1.90325	152,226.00	1.90325	56	50 - 150	0.0000	+/-0.50	
M7PFUnA	281825.9	3.962033	989,921.00	3.962017	28	50 - 150	0.0000	+/-0.50	*
M2-6:2FTS	70038.58	3.453283	123,959.00	3.453267	57	50 - 150	0.0000	+/-0.50	
M5PFPeA	246383.5	1.731383	475,823.00	1.731383	52	50 - 150	0.0000	+/-0.50	
M5PFHxA	511231	2.596983	917,895.00	2.596967	56	50 - 150	0.0000	+/-0.50	
M3PFHxS	71892.2	3.226433	140,133.00	3.226417	51	50 - 150	0.0000	+/-0.50	
M4PFHpA	625909.4	3.195017	1,082,599.00	3.186933	58	50 - 150	0.0081	+/-0.50	
M8PFOA	488757.7	3.469933	996,510.00	3.469917	49	50 - 150	0.0000	+/-0.50	*
M8PFOS	53523.16	3.66015	133,024.00	3.660133	40	50 - 150	0.0000	+/-0.50	*
M9PFNA	322519.6	3.661183	735,984.00	3.661167	44	50 - 150	0.0000	+/-0.50	*
MPFDoA	130582.1	4.09665	1,117,487.00	4.096633	12	50 - 150	0.0000	+/-0.50	*
d5-NEtFOSAA	90065.29	3.9695	276,941.00	3.969483	33	50 - 150	0.0000	+/-0.50	*
d3-NMeFOSAA	109751.3	3.88975	316,522.00	3.889733	35	50 - 150	0.0000	+/-0.50	*

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INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (B313861-BLK1)			Lab File ID: B313861-BLK1.d			Analyzed: 08/04/22 18:38			
M8FOSA	212382	4.004567	332,486.00	4.00455	64	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	151420.1	2.521467	206,351.00	2.505033	73	50 - 150	0.0164	+/-0.50	
M2PFTA	839187.6	4.34595	1,423,107.00	4.345917	59	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	120958.5	3.810767	149,116.00	3.81075	81	50 - 150	0.0000	+/-0.50	
MPFBA	410887	1.075083	506,928.00	1.075083	81	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	151953.8	2.855667	196,481.00	2.847483	77	50 - 150	0.0082	+/-0.50	
M6PFDA	570387.4	3.819267	719,317.00	3.811283	79	50 - 150	0.0080	+/-0.50	
M3PFBS	132355.9	1.91155	152,226.00	1.90325	87	50 - 150	0.0083	+/-0.50	
M7PFUnA	762903.6	3.962033	989,921.00	3.962017	77	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	85585.16	3.461417	123,959.00	3.453267	69	50 - 150	0.0082	+/-0.50	
M5PFPeA	401583.8	1.731383	475,823.00	1.731383	84	50 - 150	0.0000	+/-0.50	
M5PFHxA	801456.6	2.6052	917,895.00	2.596967	87	50 - 150	0.0082	+/-0.50	
M3PFHxS	111032.9	3.226417	140,133.00	3.226417	79	50 - 150	0.0000	+/-0.50	
M4PFHpA	962112.9	3.195017	1,082,599.00	3.186933	89	50 - 150	0.0081	+/-0.50	
M8PFOA	793070.4	3.469933	996,510.00	3.469917	80	50 - 150	0.0000	+/-0.50	
M8PFOS	99530.84	3.66015	133,024.00	3.660133	75	50 - 150	0.0000	+/-0.50	
M9PFNA	548262	3.661183	735,984.00	3.661167	74	50 - 150	0.0000	+/-0.50	
MPFDoA	818929.3	4.09665	1,117,487.00	4.096633	73	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	172877.1	3.9695	276,941.00	3.969483	62	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	204096.3	3.88975	316,522.00	3.889733	64	50 - 150	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (B313861-BS1)			Lab File ID: B313861-BS1.d			Analyzed: 08/04/22 18:31			
M8FOSA	244043.3	4.004567	332,486.00	4.00455	73	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	170251.2	2.51325	206,351.00	2.505033	83	50 - 150	0.0082	+/-0.50	
M2PFTA	1003563	4.345933	1,423,107.00	4.345917	71	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	158149.7	3.810767	149,116.00	3.81075	106	50 - 150	0.0000	+/-0.50	
MPFBA	457943.8	1.075083	506,928.00	1.075083	90	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	223486.3	2.855667	196,481.00	2.847483	114	50 - 150	0.0082	+/-0.50	
M6PFDA	663327.4	3.819267	719,317.00	3.811283	92	50 - 150	0.0080	+/-0.50	
M3PFBS	151500.9	1.91155	152,226.00	1.90325	100	50 - 150	0.0083	+/-0.50	
M7PFUnA	900317.3	3.962033	989,921.00	3.962017	91	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	102000.2	3.453283	123,959.00	3.453267	82	50 - 150	0.0000	+/-0.50	
M5PFPeA	447092.1	1.731383	475,823.00	1.731383	94	50 - 150	0.0000	+/-0.50	
M5PFHxA	895435.1	2.6052	917,895.00	2.596967	98	50 - 150	0.0082	+/-0.50	
M3PFHxS	120422	3.226417	140,133.00	3.226417	86	50 - 150	0.0000	+/-0.50	
M4PFHpA	1047109	3.195017	1,082,599.00	3.186933	97	50 - 150	0.0081	+/-0.50	
M8PFOA	861861	3.469933	996,510.00	3.469917	86	50 - 150	0.0000	+/-0.50	
M8PFOS	107507.9	3.66015	133,024.00	3.660133	81	50 - 150	0.0000	+/-0.50	
M9PFNA	633651.6	3.661183	735,984.00	3.661167	86	50 - 150	0.0000	+/-0.50	
MPFDoA	966903.8	4.09665	1,117,487.00	4.096633	87	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	188615.8	3.9695	276,941.00	3.969483	68	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	253461	3.889733	316,522.00	3.889733	80	50 - 150	0.0000	+/-0.50	

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SOP-454 PFAS in Water	
Perfluorobutanoic acid (PFBA)	NH-P
Perfluorobutanesulfonic acid (PFBS)	NH-P
Perfluoropentanoic acid (PFPeA)	NH-P
Perfluorohexanoic acid (PFHxA)	NH-P
11Cl-PF3OUdS (F53B Major)	NH-P
9Cl-PF3ONS (F53B Minor)	NH-P
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NH-P
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NH-P
8:2 Fluorotelomersulfonic acid (8:2FTS A)	NH-P
Perfluorodecanoic acid (PFDA)	NH-P
Perfluorododecanoic acid (PFDoA)	NH-P
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NH-P
Perfluoroheptanesulfonic acid (PFHpS)	NH-P
N-EtFOSAA	NH-P
N-MeFOSAA	NH-P
Perfluorotetradecanoic acid (PFTA)	NH-P
Perfluorotridecanoic acid (PFTrDA)	NH-P
4:2 Fluorotelomersulfonic acid (4:2FTS A)	NH-P
Perfluorodecanesulfonic acid (PFDS)	NH-P
Perfluorooctanesulfonamide (FOSA)	NH-P
Perfluorononanesulfonic acid (PFNS)	NH-P
Perfluoro-1-hexanesulfonamide (FHxSA)	NH-P
Perfluoro-1-butanesulfonamide (FBSA)	NH-P
Perfluorohexanesulfonic acid (PFHxS)	NH-P
Perfluoro-4-oxapentanoic acid (PFMPA)	NH-P
Perfluoro-5-oxahexanoic acid (PFMBA)	NH-P
6:2 Fluorotelomersulfonic acid (6:2FTS A)	NH-P
Perfluoropetanesulfonic acid (PFPeS)	NH-P
Perfluoroundecanoic acid (PFUnA)	NH-P
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NH-P
Perfluoroheptanoic acid (PFHpA)	NH-P
Perfluorooctanoic acid (PFOA)	NH-P
Perfluorooctanesulfonic acid (PFOS)	NH-P
Perfluorononanoic acid (PFNA)	NH-P

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Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
NC-DW	North Carolina Department of Health and Human Services	25703	07/31/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

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726-0536

CHAIN OF CUSTODY RECORD (New York)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	Labella Associates
Address:	5 McCrea Hill Road
Phone:	518-885-5383
Project Name:	Former Barnet Mills Property
Project Location:	20 Forbes Avenue, Rensselaer
Project Number:	
Project Manager:	Arlette St. Romain
Pace Analytical Quote Name/Number:	
Invoice Recipient:	
Sampled By:	

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: see comments section
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Date	Time	Composite	Grab	[1]Matrix Code	Conc Code	PFAS EPA Method 537.1	2												# of Containers
									1												[2] Preservation Code
									P												[3] Container Code
1	MW-4	7/8/2022	900		X	GW	U	X													
2	MW-8	7/8/2022	930		X	GW	U	X													
3	MW-11	7/8/2022	1015		X	GW	U	X													

ANALYSIS REQUESTED

Dissolved Metals Samples
☑ Field Filtered
☑ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Please Email reports to:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 7/8/22 1130
Received by: (signature) PACE	Date/Time: 7/11/22 10:10
Relinquished by: (signature) PACE	Date/Time: 3:20 7/11/22
Received by: (signature)	Date/Time: 3:20 7/11/22
Relinquished by: (signature)	Date/Time: 4:20 7/11/22
Received by: (signature) 4.5	Date/Time: 7/11 16:20

Program & Regulatory Information
☐ AWQ STDS ☑ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:
NELAC and AIHA LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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Table of Contents

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client: Labella Associates

Received By: JCW Date: 07/11/22 Time: 1620

How were the samples received? In Cooler: T No Cooler: _____ On Ice: T No Ice: _____
Direct from Sampling: _____ Ambient: _____ Melted Ice: _____
By Gun #: 5 Actual Temp - 4.5
Were samples within Temperature? 2-6°C: T By Blank #: _____ Actual Temp - _____
Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? _____
Did COC include all pertinent Information? Client: T Analysis: T Sampler Name: T
Project: T ID's: T Collection Dates/Times: T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F
Are there Rushes? F
Are there Short Holds? F
Is there enough Volume? T
Is there Headspace where applicable? N/A
Proper Media/Containers Used? T
Were trip blanks received? F
Do all samples have the proper pH? Acid: N/A Base: N/A

Who was notified? _____
Who was notified? _____
Who was notified? _____
MS/MSD? F
Is splitting samples required? F
On COC? F

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	6	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments: