

**FORMER GASTOWN MGP SITE
SITE NO. 915171**

**2023 LAB REPORTS
FOR THE GROUNDWATER COLLECTION
& TREATMENT SYSTEM**

Compliance samples were not collected in January, February, March, April, May, June & August 2023.

August 3, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 126 E Niagra St, Tonawanda, NY
Client Job Number:
Project Number: 915171
Laboratory Work Order Number: 23G3732

Enclosed are results of analyses for samples as received by the laboratory on July 27, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 8/3/2023

PURCHASE ORDER NUMBER: 147643

PROJECT NUMBER: 915171

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G3732

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

PROJECT LOCATION: 126 E Niagra St, Tonawanda, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Post Carbon 2	23G3732-01	Ground Water		SW-846 8260D	
Pre-Carbon	23G3732-02	Ground Water		SW-846 8260D	
Outside Sump	23G3732-03	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 8260D**Qualifications:****RL-11**

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23G3732-02[Pre-Carbon]

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:**Naphthalene**

23G3732-01[Post Carbon 2], 23G3732-02[Pre-Carbon], B347482-BLK1, B347482-BS1, B347482-BSD1, S091328-CCV1

trans-1,4-Dichloro-2-butene

23G3732-01[Post Carbon 2], 23G3732-02[Pre-Carbon], 23G3732-03[Outside Sump], B347482-BLK1, B347482-BS1, B347482-BSD1, S091328-CCV1

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:**Benzene**

23G3732-01[Post Carbon 2], 23G3732-02[Pre-Carbon], B347482-BS1, B347482-BSD1, S091328-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:**1,2,3-Trichloropropane**

B347482-BS1, B347482-BSD1, S091328-CCV1

Bromochloromethane

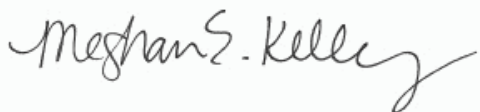
B347482-BS1, B347482-BSD1, S091328-CCV1

Bromomethane

B347482-BS1, B347482-BSD1, S091328-CCV1

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.



Meghan E. Kelley
Reporting Specialist

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

Project Location: 126 E Niagra St, Tonawanda, NY

Sample Description:

Work Order: 23G3732

Date Received: 7/27/2023

Field Sample #: Post Carbon 2

Sampled: 7/26/2023 13:35

Sample ID: 23G3732-01

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		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Benzene	41	1.0	µg/L	1	V-06	SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF

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

Project Location: 126 E Niagra St, Tonawanda, NY

Sample Description:

Work Order: 23G3732

Date Received: 7/27/2023

Field Sample #: Post Carbon 2

Sampled: 7/26/2023 13:35

Sample ID: 23G3732-01

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	7/31/23	8/1/23 6:16	MFF
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/31/23	8/1/23 6:16	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:16	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	102	70-130							
Toluene-d8	98.3	70-130							
4-Bromofluorobenzene	83.6	70-130							

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Project Location: 126 E Niagara St, Tonawanda, NY

Sample Description:

Work Order: 23G3732

Date Received: 7/27/2023

Field Sample #: Pre-Carbon

Sampled: 7/26/2023 13:40

Sample ID: 23G3732-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	250	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Acrylonitrile	ND	25	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
tert-Amyl Methyl Ether (TAME)	ND	2.5	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Benzene	570	5.0	µg/L	5	V-06	SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Bromobenzene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Bromochloromethane	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Bromodichloromethane	ND	2.5	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Bromoform	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Bromomethane	ND	10	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
2-Butanone (MEK)	ND	100	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
tert-Butyl Alcohol (TBA)	ND	100	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
n-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
sec-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
tert-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	2.5	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Carbon Disulfide	ND	25	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Carbon Tetrachloride	ND	25	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Chlorobenzene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Chlorodibromomethane	ND	2.5	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Chloroethane	ND	10	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Chloroform	ND	10	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Chloromethane	ND	10	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
2-Chlorotoluene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
4-Chlorotoluene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,2-Dibromoethane (EDB)	ND	2.5	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Dibromomethane	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,2-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,3-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,4-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
trans-1,4-Dichloro-2-butene	ND	10	µg/L	5	V-05	SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Dichlorodifluoromethane (Freon 12)	ND	10	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,1-Dichloroethane	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,2-Dichloroethane	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,1-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
cis-1,2-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
trans-1,2-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,2-Dichloropropane	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,3-Dichloropropane	ND	2.5	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
2,2-Dichloropropane	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,1-Dichloropropene	ND	10	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
cis-1,3-Dichloropropene	ND	2.5	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
trans-1,3-Dichloropropene	ND	2.5	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Diethyl Ether	ND	10	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF

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

Project Location: 126 E Niagra St, Tonawanda, NY

Sample Description:

Work Order: 23G3732

Date Received: 7/27/2023

Field Sample #: Pre-Carbon

Sampled: 7/26/2023 13:40

Sample ID: 23G3732-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.5	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,4-Dioxane	ND	250	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Ethylbenzene	21	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Hexachlorobutadiene	ND	3.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
2-Hexanone (MBK)	ND	50	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Isopropylbenzene (Cumene)	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
p-Isopropyltoluene (p-Cymene)	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Methyl Acetate	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Methyl tert-Butyl Ether (MTBE)	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Methyl Cyclohexane	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Methylene Chloride	ND	25	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
4-Methyl-2-pentanone (MIBK)	ND	50	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Naphthalene	110	10	µg/L	5	V-05	SW-846 8260D	7/31/23	8/1/23 7:09	MFF
n-Propylbenzene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Styrene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,1,2,2-Tetrachloroethane	ND	2.5	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Tetrachloroethylene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Tetrahydrofuran	ND	50	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Toluene	65	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,2,3-Trichlorobenzene	ND	25	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,2,4-Trichlorobenzene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,3,5-Trichlorobenzene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,1,1-Trichloroethane	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,1,2-Trichloroethane	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Trichloroethylene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Trichlorofluoromethane (Freon 11)	ND	10	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,2,3-Trichloropropane	ND	10	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,2,4-Trimethylbenzene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
1,3,5-Trimethylbenzene	ND	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Vinyl Chloride	ND	10	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
m+p Xylene	20	10	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
o-Xylene	14	5.0	µg/L	5		SW-846 8260D	7/31/23	8/1/23 7:09	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	99.5	70-130						8/1/23 7:09	
Toluene-d8	97.7	70-130						8/1/23 7:09	
4-Bromofluorobenzene	87.3	70-130						8/1/23 7:09	

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

Project Location: 126 E Niagra St, Tonawanda, NY

Sample Description:

Work Order: 23G3732

Date Received: 7/27/2023

Field Sample #: Outside Sump

Sampled: 7/26/2023 13:50

Sample ID: 23G3732-03

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		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Benzene	2300	100	µg/L	100		SW-846 8260D	8/1/23	8/2/23 19:10	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
cis-1,2-Dichloroethylene	1.1	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF

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

Project Location: 126 E Niagara St, Tonawanda, NY

Sample Description:

Work Order: 23G3732

Date Received: 7/27/2023

Field Sample #: Outside Sump

Sampled: 7/26/2023 13:50

Sample ID: 23G3732-03

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	7/31/23	8/1/23 6:42	MFF
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Ethylbenzene	190	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Isopropylbenzene (Cumene)	1.6	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Naphthalene	260	200	µg/L	100		SW-846 8260D	8/1/23	8/2/23 19:10	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Styrene	15	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Toluene	340	100	µg/L	100		SW-846 8260D	8/1/23	8/2/23 19:10	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,2,4-Trimethylbenzene	6.7	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
1,3,5-Trimethylbenzene	1.9	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
m+p Xylene	81	2.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
o-Xylene	44	1.0	µg/L	1		SW-846 8260D	7/31/23	8/1/23 6:42	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	91.0	70-130						8/2/23 19:10	
1,2-Dichloroethane-d4	105	70-130						8/1/23 6:42	
Toluene-d8	97.1	70-130						8/1/23 6:42	
Toluene-d8	100	70-130						8/2/23 19:10	
4-Bromofluorobenzene	98.3	70-130						8/2/23 19:10	
4-Bromofluorobenzene	92.6	70-130						8/1/23 6:42	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method:SW-846 5030B Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G3732-01 [Post Carbon 2]	B347482	5	5.00	07/31/23
23G3732-02 [Pre-Carbon]	B347482	1	5.00	07/31/23
23G3732-03 [Outside Sump]	B347482	5	5.00	07/31/23

Prep Method:SW-846 5030B Analytical Method:SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G3732-03RE1 [Outside Sump]	B347639	0.05	5.00	08/01/23

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

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
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Batch B347482 - SW-846 5030B
Blank (B347482-BLK1)

Prepared & Analyzed: 07/31/23

Acetone	ND	50	µg/L
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
tert-Butyl Alcohol (TBA)	ND	20	µg/L
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
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

V-05

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

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
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Batch B347482 - SW-846 5030B
Blank (B347482-BLK1)

Prepared & Analyzed: 07/31/23

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	24.4		µg/L	25.0		97.8	70-130			
Surrogate: Toluene-d8	24.6		µg/L	25.0		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	21.9		µg/L	25.0		87.4	70-130			

LCS (B347482-BS1)

Prepared & Analyzed: 07/31/23

Acetone	99.1	50	µg/L	100		99.1	70-160			†
Acrylonitrile	9.78	5.0	µg/L	10.0		97.8	70-130			
tert-Amyl Methyl Ether (TAME)	9.42	0.50	µg/L	10.0		94.2	70-130			
Benzene	11.5	1.0	µg/L	10.0		115	70-130			V-06
Bromobenzene	10.1	1.0	µg/L	10.0		101	70-130			
Bromochloromethane	11.9	1.0	µg/L	10.0		119	70-130			V-20
Bromodichloromethane	10.4	0.50	µg/L	10.0		104	70-130			
Bromoform	8.50	1.0	µg/L	10.0		85.0	70-130			
Bromomethane	12.3	2.0	µg/L	10.0		123	40-160			V-20 †
2-Butanone (MEK)	112	20	µg/L	100		112	40-160			†
tert-Butyl Alcohol (TBA)	80.7	20	µg/L	100		80.7	40-160			†
n-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
sec-Butylbenzene	9.56	1.0	µg/L	10.0		95.6	70-130			
tert-Butylbenzene	9.64	1.0	µg/L	10.0		96.4	70-130			
tert-Butyl Ethyl Ether (TBEE)	10.1	0.50	µg/L	10.0		101	70-130			
Carbon Disulfide	97.6	5.0	µg/L	100		97.6	70-130			
Carbon Tetrachloride	8.78	5.0	µg/L	10.0		87.8	70-130			
Chlorobenzene	10.8	1.0	µg/L	10.0		108	70-130			
Chlorodibromomethane	9.98	0.50	µg/L	10.0		99.8	70-130			
Chloroethane	9.75	2.0	µg/L	10.0		97.5	70-130			
Chloroform	10.9	2.0	µg/L	10.0		109	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 B347482 - SW-846 5030B										
LCS (B347482-BS1)										
Prepared & Analyzed: 07/31/23										
Chloromethane	10.1	2.0	µg/L	10.0		101	40-160			†
2-Chlorotoluene	9.76	1.0	µg/L	10.0		97.6	70-130			
4-Chlorotoluene	10.1	1.0	µg/L	10.0		101	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.51	5.0	µg/L	10.0		85.1	70-130			
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109	70-130			
Dibromomethane	10.7	1.0	µg/L	10.0		107	70-130			
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
1,3-Dichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
1,4-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
trans-1,4-Dichloro-2-butene	7.62	2.0	µg/L	10.0		76.2	70-130			V-05
Dichlorodifluoromethane (Freon 12)	9.59	2.0	µg/L	10.0		95.9	40-160			†
1,1-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
1,2-Dichloroethane	9.86	1.0	µg/L	10.0		98.6	70-130			
1,1-Dichloroethylene	9.30	1.0	µg/L	10.0		93.0	70-130			
cis-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
trans-1,2-Dichloroethylene	9.35	1.0	µg/L	10.0		93.5	70-130			
1,2-Dichloropropane	11.2	1.0	µg/L	10.0		112	70-130			
1,3-Dichloropropane	10.8	0.50	µg/L	10.0		108	70-130			
2,2-Dichloropropane	8.86	1.0	µg/L	10.0		88.6	40-130			†
1,1-Dichloropropene	10.5	2.0	µg/L	10.0		105	70-130			
cis-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130			
trans-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130			
Diethyl Ether	10.1	2.0	µg/L	10.0		101	70-130			
Diisopropyl Ether (DIPE)	10.7	0.50	µg/L	10.0		107	70-130			
1,4-Dioxane	84.7	50	µg/L	100		84.7	40-130			†
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
Hexachlorobutadiene	11.0	0.60	µg/L	10.0		110	70-130			
2-Hexanone (MBK)	97.3	10	µg/L	100		97.3	70-160			†
Isopropylbenzene (Cumene)	9.52	1.0	µg/L	10.0		95.2	70-130			
p-Isopropyltoluene (p-Cymene)	9.77	1.0	µg/L	10.0		97.7	70-130			
Methyl Acetate	8.93	1.0	µg/L	10.0		89.3	70-130			
Methyl tert-Butyl Ether (MTBE)	9.55	1.0	µg/L	10.0		95.5	70-130			
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104	70-130			
Methylene Chloride	9.97	5.0	µg/L	10.0		99.7	70-130			
4-Methyl-2-pentanone (MIBK)	98.5	10	µg/L	100		98.5	70-160			†
Naphthalene	7.29	2.0	µg/L	10.0		72.9	40-130			V-05 †
n-Propylbenzene	9.80	1.0	µg/L	10.0		98.0	70-130			
Styrene	9.41	1.0	µg/L	10.0		94.1	70-130			
1,1,1,2-Tetrachloroethane	10.3	1.0	µg/L	10.0		103	70-130			
1,1,2,2-Tetrachloroethane	9.64	0.50	µg/L	10.0		96.4	70-130			
Tetrachloroethylene	11.1	1.0	µg/L	10.0		111	70-130			
Tetrahydrofuran	10.2	10	µg/L	10.0		102	70-130			
Toluene	11.0	1.0	µg/L	10.0		110	70-130			
1,2,3-Trichlorobenzene	8.94	5.0	µg/L	10.0		89.4	70-130			
1,2,4-Trichlorobenzene	8.30	1.0	µg/L	10.0		83.0	70-130			
1,3,5-Trichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
1,1,2-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130			
Trichloroethylene	10.8	1.0	µg/L	10.0		108	70-130			
Trichlorofluoromethane (Freon 11)	9.59	2.0	µg/L	10.0		95.9	70-130			
1,2,3-Trichloropropane	11.8	2.0	µg/L	10.0		118	70-130			V-20

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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
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Batch B347482 - SW-846 5030B
LCS (B347482-BS1)

Prepared & Analyzed: 07/31/23

1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2	1.0	µg/L	10.0		102	70-130			
1,2,4-Trimethylbenzene	9.76	1.0	µg/L	10.0		97.6	70-130			
1,3,5-Trimethylbenzene	9.84	1.0	µg/L	10.0		98.4	70-130			
Vinyl Chloride	11.2	2.0	µg/L	10.0		112	40-160			†
m+p Xylene	19.7	2.0	µg/L	20.0		98.5	70-130			
o-Xylene	9.60	1.0	µg/L	10.0		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	23.6		µg/L	25.0		94.2	70-130			
Surrogate: Toluene-d8	25.5		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	22.7		µg/L	25.0		90.6	70-130			

LCS Dup (B347482-BSD1)

Prepared & Analyzed: 07/31/23

Acetone	96.3	50	µg/L	100		96.3	70-160	2.86	25	†
Acrylonitrile	10.1	5.0	µg/L	10.0		101	70-130	3.52	25	
tert-Amyl Methyl Ether (TAME)	9.50	0.50	µg/L	10.0		95.0	70-130	0.846	25	
Benzene	11.6	1.0	µg/L	10.0		116	70-130	0.691	25	V-06
Bromobenzene	10.6	1.0	µg/L	10.0		106	70-130	4.64	25	
Bromochloromethane	12.3	1.0	µg/L	10.0		123	70-130	3.63	25	V-20
Bromodichloromethane	10.8	0.50	µg/L	10.0		108	70-130	3.86	25	
Bromoform	8.95	1.0	µg/L	10.0		89.5	70-130	5.16	25	
Bromomethane	13.2	2.0	µg/L	10.0		132	40-160	7.27	25	V-20 †
2-Butanone (MEK)	107	20	µg/L	100		107	40-160	4.79	25	†
tert-Butyl Alcohol (TBA)	74.8	20	µg/L	100		74.8	40-160	7.55	25	†
n-Butylbenzene	10.7	1.0	µg/L	10.0		107	70-130	5.65	25	
sec-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130	5.30	25	
tert-Butylbenzene	9.64	1.0	µg/L	10.0		96.4	70-130	0.00	25	
tert-Butyl Ethyl Ether (TBEE)	10.0	0.50	µg/L	10.0		100	70-130	0.298	25	
Carbon Disulfide	101	5.0	µg/L	100		101	70-130	3.24	25	
Carbon Tetrachloride	8.56	5.0	µg/L	10.0		85.6	70-130	2.54	25	
Chlorobenzene	11.3	1.0	µg/L	10.0		113	70-130	4.54	25	
Chlorodibromomethane	9.84	0.50	µg/L	10.0		98.4	70-130	1.41	25	
Chloroethane	10.3	2.0	µg/L	10.0		103	70-130	5.10	25	
Chloroform	11.1	2.0	µg/L	10.0		111	70-130	2.27	25	
Chloromethane	10.3	2.0	µg/L	10.0		103	40-160	1.76	25	†
2-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130	6.25	25	
4-Chlorotoluene	10.1	1.0	µg/L	10.0		101	70-130	0.0991	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.23	5.0	µg/L	10.0		82.3	70-130	3.35	25	
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110	70-130	1.46	25	
Dibromomethane	11.2	1.0	µg/L	10.0		112	70-130	4.12	25	
1,2-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	2.62	25	
1,3-Dichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130	5.20	25	
1,4-Dichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130	5.91	25	
trans-1,4-Dichloro-2-butene	7.53	2.0	µg/L	10.0		75.3	70-130	1.19	25	V-05
Dichlorodifluoromethane (Freon 12)	9.67	2.0	µg/L	10.0		96.7	40-160	0.831	25	†
1,1-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130	3.43	25	
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130	2.40	25	
1,1-Dichloroethylene	9.71	1.0	µg/L	10.0		97.1	70-130	4.31	25	
cis-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	1.26	25	
trans-1,2-Dichloroethylene	9.69	1.0	µg/L	10.0		96.9	70-130	3.57	25	
1,2-Dichloropropane	11.6	1.0	µg/L	10.0		116	70-130	3.35	25	
1,3-Dichloropropane	10.9	0.50	µg/L	10.0		109	70-130	0.644	25	
2,2-Dichloropropane	8.86	1.0	µg/L	10.0		88.6	40-130	0.00	25	†
1,1-Dichloropropene	10.8	2.0	µg/L	10.0		108	70-130	2.82	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
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Batch B347482 - SW-846 5030B
LCS Dup (B347482-BSD1)

Prepared & Analyzed: 07/31/23

cis-1,3-Dichloropropene	11.0	0.50	µg/L	10.0		110	70-130	1.56	25	
trans-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130	1.14	25	
Diethyl Ether	10.1	2.0	µg/L	10.0		101	70-130	0.0993	25	
Diisopropyl Ether (DIPE)	10.8	0.50	µg/L	10.0		108	70-130	0.836	25	
1,4-Dioxane	80.4	50	µg/L	100		80.4	40-130	5.15	50	† ‡
Ethylbenzene	10.8	1.0	µg/L	10.0		108	70-130	5.73	25	
Hexachlorobutadiene	11.6	0.60	µg/L	10.0		116	70-130	5.56	25	
2-Hexanone (MBK)	97.8	10	µg/L	100		97.8	70-160	0.492	25	†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.0		101	70-130	6.21	25	
p-Isopropyltoluene (p-Cymene)	10.0	1.0	µg/L	10.0		100	70-130	2.53	25	
Methyl Acetate	8.69	1.0	µg/L	10.0		86.9	70-130	2.72	25	
Methyl tert-Butyl Ether (MTBE)	9.63	1.0	µg/L	10.0		96.3	70-130	0.834	25	
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130	1.34	25	
Methylene Chloride	10.2	5.0	µg/L	10.0		102	70-130	1.89	25	
4-Methyl-2-pentanone (MIBK)	96.2	10	µg/L	100		96.2	70-160	2.37	25	†
Naphthalene	7.11	2.0	µg/L	10.0		71.1	40-130	2.50	25	V-05 †
n-Propylbenzene	10.4	1.0	µg/L	10.0		104	70-130	5.65	25	
Styrene	10.2	1.0	µg/L	10.0		102	70-130	7.86	25	
1,1,1,2-Tetrachloroethane	10.8	1.0	µg/L	10.0		108	70-130	4.75	25	
1,1,2,2-Tetrachloroethane	9.61	0.50	µg/L	10.0		96.1	70-130	0.312	25	
Tetrachloroethylene	11.2	1.0	µg/L	10.0		112	70-130	1.34	25	
Tetrahydrofuran	9.56	10	µg/L	10.0		95.6	70-130	6.67	25	
Toluene	11.3	1.0	µg/L	10.0		113	70-130	2.42	25	
1,2,3-Trichlorobenzene	9.11	5.0	µg/L	10.0		91.1	70-130	1.88	25	
1,2,4-Trichlorobenzene	8.82	1.0	µg/L	10.0		88.2	70-130	6.07	25	
1,3,5-Trichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	1.82	25	
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	0.853	25	
1,1,2-Trichloroethane	11.2	1.0	µg/L	10.0		112	70-130	1.62	25	
Trichloroethylene	11.2	1.0	µg/L	10.0		112	70-130	4.09	25	
Trichlorofluoromethane (Freon 11)	9.47	2.0	µg/L	10.0		94.7	70-130	1.26	25	
1,2,3-Trichloropropane	12.0	2.0	µg/L	10.0		120	70-130	1.51	25	V-20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8	1.0	µg/L	10.0		108	70-130	5.69	25	
1,2,4-Trimethylbenzene	10.1	1.0	µg/L	10.0		101	70-130	3.42	25	
1,3,5-Trimethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	4.86	25	
Vinyl Chloride	11.4	2.0	µg/L	10.0		114	40-160	1.59	25	†
m+p Xylene	20.7	2.0	µg/L	20.0		104	70-130	5.05	25	
o-Xylene	10.0	1.0	µg/L	10.0		100	70-130	4.48	25	
Surrogate: 1,2-Dichloroethane-d4	23.8		µg/L	25.0		95.0	70-130			
Surrogate: Toluene-d8	25.6		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	23.5		µg/L	25.0		94.2	70-130			

Batch B347639 - SW-846 5030B
Blank (B347639-BLK1)

Prepared: 08/01/23 Analyzed: 08/02/23

Benzene	ND	1.0	µg/L							
Naphthalene	ND	2.0	µg/L							
Toluene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	22.6		µg/L	25.0		90.5	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	24.1		µg/L	25.0		96.5	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
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Batch B347639 - SW-846 5030B
LCS (B347639-BS1)

Prepared: 08/01/23 Analyzed: 08/02/23

Benzene	10.6	1.0	µg/L	10.0		106	70-130			
Naphthalene	11.0	2.0	µg/L	10.0		110	40-130			†
Toluene	10.5	1.0	µg/L	10.0		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	23.9		µg/L	25.0		95.5	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	24.2		µg/L	25.0		96.6	70-130			

LCS Dup (B347639-BSD1)

Prepared: 08/01/23 Analyzed: 08/02/23

Benzene	10.4	1.0	µg/L	10.0		104	70-130	1.62	25	
Naphthalene	11.3	2.0	µg/L	10.0		113	40-130	3.32	25	†
Toluene	10.5	1.0	µg/L	10.0		105	70-130	0.381	25	
Surrogate: 1,2-Dichloroethane-d4	24.0		µg/L	25.0		96.0	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	24.4		µg/L	25.0		97.7	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**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.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
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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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
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
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

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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
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
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

Turnaround Time (Business Days) Approved By (Lab PM) / Date

Standard 14 Days

1 day RUSH

☒ Other 10-day TAT

Laboratory Information

Lab: Con-Test (PACE) Analytical Laboratory

Address: 39 Spruce St. East Longmeadow, MA 01028

Phone: 413-525-2332

Lab_PM: Kyle Murray

Lab PM Email: kyle.murray@pacelabs.com

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

FULLT1 (Level 3 & 4)

NJ Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

NJ Data of Known Quality Protocol Reporting

 NYASP Category A

NYASP Category B

State Forms

☒ EDD Format compatible with most recent DEC format

Other

Please Email the EQ EDD Package to ges@equisonline.com

FOEDD Name: NYSDEC/Tonawanda/NY/ENiagaraSt/126 LabReport#.17811.FOEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.

Relinquished By Sampler:		Date / Time:	Received By:
1	Jessica Paterson	1 7/26/23 1535	1 Jocelyn Foley (AAL) 7/26/23 15:35
Relinquished By:		Date / Time:	Received By:
2	Jocelyn Foley (AAL)	2 7/26/23 15:35	2 [Signature] 0745 7-27-23
Relinquished By:		Date / Time:	Received By:
3		3	3
Custody Seal Number:		☐ Intact ☒ Not Intact ☐ Preserved where applicable ☒ On Ice	
		Cooler Temp 22°C	

recurring monthly till DEC 2023

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.pacelabs.com

ENV-FRM-ELON-0001 V05_Sample Receiving Checklist

Log In Back-Sheet

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

Client GESProject TonawandaMCP/RCP Required N/ADeliverable Package Requirement N/ALocation 126 E Niagara St, Tonawanda, NYPWSID# (When Applicable) 977591

Arrival Method:

 Courier ☐ Fed Ex ☐ Walk In ☐ Other ☒
Received By / Date / Time AAM / 7-27-23 / 0745 ~~0700~~ AAMBack-Sheet By / Date / Time AAM / 7-27-23 / 1020Temperature Method Temp. Gun # 4Temp ☒ < 6° C Actual Temperature 2.2°CRush Samples: Yes ☐ No ☒ Notify ☐Short Hold: Yes ☐ No ☒ Notify ☐

Notes regarding Samples/COC outside of SOP:

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒ <u>AAM</u>	☒
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐
COC Included: (Check all included)		
Client ☒	Analysis ☒	Sampler Name ☒
Project ☒	IDs ☒	Collection Date/Time ☒
All Samples Proper pH: <u>N/A</u> ☐ ☐		

Additional Container Notes

Effective Date: 07/13/2023

[illegible]

August 14, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 126 E Niagra St, Tonawanda, NY
Client Job Number:
Project Number: 915171
Laboratory Work Order Number: 23G3737

Enclosed are results of analyses for samples as received by the laboratory on July 27, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 8/14/2023

PURCHASE ORDER NUMBER: 147643

PROJECT NUMBER: 915171

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G3737

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

PROJECT LOCATION: 126 E Niagra St, Tonawanda, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Spent Carbon Drums	23G3737-01	Product/Solid		SW-846 6010D	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	
Product Water Drum	23G3737-02	Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	

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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.

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

SW-846 6010D

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:**Selenium**

B348650-BSD1

Silver

B348650-BSD1

SW-846 8082A

Qualifications:

S-02

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Analyte & Samples(s) Qualified:**Decachlorobiphenyl [2C]**

23G3737-02[Product Water Drum]

S-30

Surrogate recovery is outside of control limits due to suspected matrix interference. Samples containing carbon material historically have exhibited low surrogate recovery.

Analyte & Samples(s) Qualified:**Tetrachloro-m-xylene**

23G3737-01[Spent Carbon Drums]

Tetrachloro-m-xylene [2C]

23G3737-01[Spent Carbon Drums]

SW-846 8260D

Qualifications:

DL-01

Elevated reporting limits for all volatile compounds due to foaming sample matrix.

Analyte & Samples(s) Qualified:

23G3737-02[Product Water Drum]

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:**Carbon Tetrachloride**

23G3737-02[Product Water Drum], B347779-BLK1, B347779-BS1, B347779-BSD1, S091441-CCV1

SW-846 8270E

Qualifications:

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:**Pentachlorophenol**

23G3737-01[Spent Carbon Drums], 23G3737-02[Product Water Drum], B348453-BLK1, B348453-BS1, B348453-BSD1, B348453-MS1, S091946-CCV1

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

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

Project Location: 126 E Niagra St, Tonawanda, NY

Sample Description:

Work Order: 23G3737

Date Received: 7/27/2023

Field Sample #: Spent Carbon Drums

Sampled: 7/26/2023 14:15

Sample ID: 23G3737-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/4/23	8/9/23 11:43	SFM
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/4/23	8/9/23 11:43	SFM
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/4/23	8/9/23 11:43	SFM
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/4/23	8/9/23 11:43	SFM
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/4/23	8/9/23 11:43	SFM
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/4/23	8/9/23 11:43	SFM
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/4/23	8/9/23 11:43	SFM
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/4/23	8/9/23 11:43	SFM
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/4/23	8/9/23 11:43	SFM
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	77.2		30-150					8/9/23 11:43	
Decachlorobiphenyl [2]	84.5		30-150					8/9/23 11:43	
Tetrachloro-m-xylene [1]	19.2	*	30-150		S-30			8/9/23 11:43	
Tetrachloro-m-xylene [2]	19.7	*	30-150		S-30			8/9/23 11:43	

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

Project Location: 126 E Niagra St, Tonawanda, NY

Sample Description:

Work Order: 23G3737

Date Received: 7/27/2023

Field Sample #: Spent Carbon Drums

Sampled: 7/26/2023 14:15

Sample ID: 23G3737-01

Sample Matrix: Product/Solid

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	mg/L	10		SW-846 8260D	8/9/23	8/9/23 16:46	MFF
2-Butanone (MEK)	ND	0.20	mg/L	10		SW-846 8260D	8/9/23	8/9/23 16:46	MFF
Carbon Tetrachloride	ND	0.010	mg/L	10		SW-846 8260D	8/9/23	8/9/23 16:46	MFF
Chlorobenzene	ND	0.010	mg/L	10		SW-846 8260D	8/9/23	8/9/23 16:46	MFF
Chloroform	0.014	0.010	mg/L	10		SW-846 8260D	8/9/23	8/9/23 16:46	MFF
1,4-Dichlorobenzene	ND	0.010	mg/L	10		SW-846 8260D	8/9/23	8/9/23 16:46	MFF
1,2-Dichloroethane	ND	0.010	mg/L	10		SW-846 8260D	8/9/23	8/9/23 16:46	MFF
1,1-Dichloroethylene	ND	0.010	mg/L	10		SW-846 8260D	8/9/23	8/9/23 16:46	MFF
Tetrachloroethylene	ND	0.010	mg/L	10		SW-846 8260D	8/9/23	8/9/23 16:46	MFF
Trichloroethylene	ND	0.010	mg/L	10		SW-846 8260D	8/9/23	8/9/23 16:46	MFF
Vinyl Chloride	ND	0.020	mg/L	10		SW-846 8260D	8/9/23	8/9/23 16:46	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	105	70-130							
Toluene-d8	99.5	70-130							
4-Bromofluorobenzene	78.2	70-130							

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Project Location: 126 E Niagra St, Tonawanda, NY

Sample Description:

Work Order: 23G3737

Date Received: 7/27/2023

Field Sample #: Spent Carbon Drums

Sampled: 7/26/2023 14:15

Sample ID: 23G3737-01

Sample Matrix: Product/Solid

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.040	mg/L	1		SW-846 8270E	8/9/23	8/11/23 18:44	AR2
Hexachlorobenzene	ND	0.040	mg/L	1		SW-846 8270E	8/9/23	8/11/23 18:44	AR2
Hexachlorobutadiene	ND	0.040	mg/L	1		SW-846 8270E	8/9/23	8/11/23 18:44	AR2
Hexachloroethane	ND	0.040	mg/L	1		SW-846 8270E	8/9/23	8/11/23 18:44	AR2
2-Methylphenol	ND	0.040	mg/L	1		SW-846 8270E	8/9/23	8/11/23 18:44	AR2
3/4-Methylphenol	ND	0.040	mg/L	1		SW-846 8270E	8/9/23	8/11/23 18:44	AR2
Nitrobenzene	ND	0.040	mg/L	1		SW-846 8270E	8/9/23	8/11/23 18:44	AR2
Pentachlorophenol	ND	0.040	mg/L	1	V-06	SW-846 8270E	8/9/23	8/11/23 18:44	AR2
Pyridine	ND	0.020	mg/L	1		SW-846 8270E	8/9/23	8/11/23 18:44	AR2
2,4,5-Trichlorophenol	ND	0.040	mg/L	1		SW-846 8270E	8/9/23	8/11/23 18:44	AR2
2,4,6-Trichlorophenol	ND	0.040	mg/L	1		SW-846 8270E	8/9/23	8/11/23 18:44	AR2
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
2-Fluorophenol	53.4		15-110				8/11/23 18:44		
Phenol-d6	54.9		15-110				8/11/23 18:44		
Nitrobenzene-d5	59.8		30-130				8/11/23 18:44		
2-Fluorobiphenyl	58.3		30-130				8/11/23 18:44		
2,4,6-Tribromophenol	78.1		15-110				8/11/23 18:44		
p-Terphenyl-d14	83.0		30-130				8/11/23 18:44		

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Project Location: 126 E Niagra St, Tonawanda, NY

Sample Description:

Work Order: 23G3737

Date Received: 7/27/2023

Field Sample #: Spent Carbon Drums

Sampled: 7/26/2023 14:15

Sample ID: 23G3737-01

Sample Matrix: Product/Solid

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.050	mg/L	1		SW-846 6010D	8/8/23	8/10/23 15:39	HNN
Mercury	ND	0.00020	mg/L	1		SW-846 7470A	8/8/23	8/10/23 11:28	AAJ
Barium	ND	0.50	mg/L	1		SW-846 6010D	8/8/23	8/10/23 15:39	HNN
Cadmium	ND	0.010	mg/L	1		SW-846 6010D	8/8/23	8/10/23 15:39	HNN
Chromium	ND	0.050	mg/L	1		SW-846 6010D	8/8/23	8/10/23 15:39	HNN
Lead	<0.10	0.10	mg/L	1		SW-846 6010D	8/8/23	8/10/23 15:39	HNN
Selenium	ND	0.050	mg/L	1		SW-846 6010D	8/8/23	8/10/23 15:39	HNN
Silver	ND	0.050	mg/L	1		SW-846 6010D	8/8/23	8/10/23 15:39	HNN

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Project Location: 126 E Niagra St, Tonawanda, NY

Sample Description:

Work Order: 23G3737

Date Received: 7/27/2023

Field Sample #: Product Water Drum

Sampled: 7/26/2023 14:15

Sample ID: 23G3737-02

Sample Matrix: Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.22	µg/L	1		SW-846 8082A	8/2/23	8/11/23 13:56	SFM
Aroclor-1221 [1]	ND	0.22	µg/L	1		SW-846 8082A	8/2/23	8/11/23 13:56	SFM
Aroclor-1232 [1]	ND	0.22	µg/L	1		SW-846 8082A	8/2/23	8/11/23 13:56	SFM
Aroclor-1242 [1]	ND	0.22	µg/L	1		SW-846 8082A	8/2/23	8/11/23 13:56	SFM
Aroclor-1248 [1]	ND	0.22	µg/L	1		SW-846 8082A	8/2/23	8/11/23 13:56	SFM
Aroclor-1254 [1]	ND	0.22	µg/L	1		SW-846 8082A	8/2/23	8/11/23 13:56	SFM
Aroclor-1260 [1]	ND	0.22	µg/L	1		SW-846 8082A	8/2/23	8/11/23 13:56	SFM
Aroclor-1262 [1]	ND	0.22	µg/L	1		SW-846 8082A	8/2/23	8/11/23 13:56	SFM
Aroclor-1268 [1]	ND	0.22	µg/L	1		SW-846 8082A	8/2/23	8/11/23 13:56	SFM
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	76.2		30-150					8/11/23 13:56	
Decachlorobiphenyl [2]	268	*	30-150		S-02			8/11/23 13:56	
Tetrachloro-m-xylene [1]	58.7		30-150					8/11/23 13:56	
Tetrachloro-m-xylene [2]	41.0		30-150					8/11/23 13:56	

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Project Location: 126 E Niagra St, Tonawanda, NY

Sample Description:

Work Order: 23G3737

Date Received: 7/27/2023

Field Sample #: Product Water Drum

Sampled: 7/26/2023 14:15

Sample ID: 23G3737-02

Sample Matrix: Water

Sample Flags: DL-01

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	0.012	0.0040	mg/L	4		SW-846 8260D	8/2/23	8/2/23 19:15	MFF
2-Butanone (MEK)	ND	0.080	mg/L	4		SW-846 8260D	8/2/23	8/2/23 19:15	MFF
Carbon Tetrachloride	ND	0.020	mg/L	4	V-05	SW-846 8260D	8/2/23	8/2/23 19:15	MFF
Chlorobenzene	ND	0.0040	mg/L	4		SW-846 8260D	8/2/23	8/2/23 19:15	MFF
Chloroform	0.0085	0.0080	mg/L	4		SW-846 8260D	8/2/23	8/2/23 19:15	MFF
1,4-Dichlorobenzene	ND	0.0040	mg/L	4		SW-846 8260D	8/2/23	8/2/23 19:15	MFF
1,2-Dichloroethane	ND	0.0040	mg/L	4		SW-846 8260D	8/2/23	8/2/23 19:15	MFF
1,1-Dichloroethylene	ND	0.0040	mg/L	4		SW-846 8260D	8/2/23	8/2/23 19:15	MFF
Tetrachloroethylene	ND	0.0040	mg/L	4		SW-846 8260D	8/2/23	8/2/23 19:15	MFF
Trichloroethylene	ND	0.0040	mg/L	4		SW-846 8260D	8/2/23	8/2/23 19:15	MFF
Vinyl Chloride	ND	0.0080	mg/L	4		SW-846 8260D	8/2/23	8/2/23 19:15	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4	103		70-130					8/2/23 19:15	
Toluene-d8	98.3		70-130					8/2/23 19:15	
4-Bromofluorobenzene	86.6		70-130					8/2/23 19:15	

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Project Location: 126 E Niagra St, Tonawanda, NY

Sample Description:

Work Order: 23G3737

Date Received: 7/27/2023

Field Sample #: Product Water Drum

Sampled: 7/26/2023 14:15

Sample ID: 23G3737-02

Sample Matrix: Water

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.040	mg/L	1		SW-846 8270E	8/9/23	8/11/23 19:05	AR2
Hexachlorobenzene	ND	0.040	mg/L	1		SW-846 8270E	8/9/23	8/11/23 19:05	AR2
Hexachlorobutadiene	ND	0.040	mg/L	1		SW-846 8270E	8/9/23	8/11/23 19:05	AR2
Hexachloroethane	ND	0.040	mg/L	1		SW-846 8270E	8/9/23	8/11/23 19:05	AR2
2-Methylphenol	ND	0.040	mg/L	1		SW-846 8270E	8/9/23	8/11/23 19:05	AR2
3/4-Methylphenol	ND	0.040	mg/L	1		SW-846 8270E	8/9/23	8/11/23 19:05	AR2
Nitrobenzene	ND	0.040	mg/L	1		SW-846 8270E	8/9/23	8/11/23 19:05	AR2
Pentachlorophenol	0.041	0.040	mg/L	1	V-06	SW-846 8270E	8/9/23	8/11/23 19:05	AR2
Pyridine	ND	0.020	mg/L	1		SW-846 8270E	8/9/23	8/11/23 19:05	AR2
2,4,5-Trichlorophenol	ND	0.040	mg/L	1		SW-846 8270E	8/9/23	8/11/23 19:05	AR2
2,4,6-Trichlorophenol	ND	0.040	mg/L	1		SW-846 8270E	8/9/23	8/11/23 19:05	AR2
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
2-Fluorophenol	37.2		15-110				8/11/23 19:05		
Phenol-d6	26.0		15-110				8/11/23 19:05		
Nitrobenzene-d5	59.7		30-130				8/11/23 19:05		
2-Fluorobiphenyl	62.4		30-130				8/11/23 19:05		
2,4,6-Tribromophenol	81.2		15-110				8/11/23 19:05		
p-Terphenyl-d14	76.2		30-130				8/11/23 19:05		

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Project Location: 126 E Niagra St, Tonawanda, NY

Sample Description:

Work Order: 23G3737

Date Received: 7/27/2023

Field Sample #: Product Water Drum

Sampled: 7/26/2023 14:15

Sample ID: 23G3737-02

Sample Matrix: Water

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.050	mg/L	1		SW-846 6010D	8/10/23	8/10/23 13:20	HNN
Mercury	ND	0.00020	mg/L	1		SW-846 7470A	8/9/23	8/10/23 11:37	AAJ
Barium	ND	0.50	mg/L	1		SW-846 6010D	8/10/23	8/10/23 13:20	HNN
Cadmium	ND	0.010	mg/L	1		SW-846 6010D	8/10/23	8/10/23 13:20	HNN
Chromium	ND	0.050	mg/L	1		SW-846 6010D	8/10/23	8/10/23 13:20	HNN
Lead	ND	0.10	mg/L	1		SW-846 6010D	8/10/23	8/10/23 13:20	HNN
Selenium	ND	0.050	mg/L	1		SW-846 6010D	8/10/23	8/10/23 13:20	HNN
Silver	ND	0.050	mg/L	1		SW-846 6010D	8/10/23	8/10/23 13:20	HNN

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Sample Extraction Data

Prep Method:SW-846 3010A Analytical Method:SW-846 6010D Leachates were extracted on 8/7/2023 per SW-846 1311 in Batch B348206

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G3737-01 [Spent Carbon Drums]	B348351	50.0	50.0	08/08/23

Prep Method:SW-846 3010A Analytical Method:SW-846 6010D Leachates were extracted on 8/8/2023 per SW-846 1311 in Batch B348373

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G3737-02 [Product Water Drum]	B348650	50.0	50.0	08/10/23

Prep Method:SW-846 7470A Prep Analytical Method:SW-846 7470A Leachates were extracted on 8/7/2023 per SW-846 1311 in Batch B348206

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G3737-01 [Spent Carbon Drums]	B348355	10.0	10.0	08/08/23

Prep Method:SW-846 7470A Prep Analytical Method:SW-846 7470A Leachates were extracted on 8/8/2023 per SW-846 1311 in Batch B348373

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G3737-02 [Product Water Drum]	B348476	10.0	10.0	08/09/23

Prep Method:SW-846 3546 Analytical Method:SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23G3737-01 [Spent Carbon Drums]	B348150	2.03	10.0	08/04/23

Prep Method:SW-846 3510C Analytical Method:SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G3737-02 [Product Water Drum]	B347847	91.0	2.00	08/02/23

Prep Method:SW-846 5030B Analytical Method:SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G3737-02 [Product Water Drum]	B347779	1.25	5.00	08/02/23

Prep Method:SW-846 5030B Analytical Method:SW-846 8260D Leachates were extracted on 8/7/2023 per SW-846 1311 in Batch B348258

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G3737-01 [Spent Carbon Drums]	B348514	0.5	5.00	08/09/23

Prep Method:SW-846 3510C Analytical Method:SW-846 8270E Leachates were extracted on 8/7/2023 per SW-846 1311 in Batch B348206

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G3737-01 [Spent Carbon Drums]	B348453	250	1.00	08/09/23
23G3737-02 [Product Water Drum]	B348453	250	1.00	08/09/23

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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
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Batch B347847 - SW-846 3510C
Blank (B347847-BLK1)

Prepared: 08/02/23 Analyzed: 08/11/23

Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	3.46		µg/L	4.00		86.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.75		µg/L	4.00		68.8	30-150			
Surrogate: Tetrachloro-m-xylene	2.72		µg/L	4.00		68.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.57		µg/L	4.00		64.3	30-150			

LCS (B347847-BS1)

Prepared: 08/02/23 Analyzed: 08/11/23

Aroclor-1016	0.69	0.20	µg/L	1.00		69.4	40-140			
Aroclor-1016 [2C]	0.66	0.20	µg/L	1.00		66.0	40-140			
Aroclor-1260	0.78	0.20	µg/L	1.00		78.1	40-140			
Aroclor-1260 [2C]	0.69	0.20	µg/L	1.00		69.0	40-140			
Surrogate: Decachlorobiphenyl	3.63		µg/L	4.00		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.87		µg/L	4.00		71.6	30-150			
Surrogate: Tetrachloro-m-xylene	2.13		µg/L	4.00		53.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.02		µg/L	4.00		50.6	30-150			

LCS Dup (B347847-BSD1)

Prepared: 08/02/23 Analyzed: 08/11/23

Aroclor-1016	0.69	0.20	µg/L	1.00		68.8	40-140	0.825	20	
Aroclor-1016 [2C]	0.64	0.20	µg/L	1.00		63.6	40-140	3.75	20	
Aroclor-1260	0.76	0.20	µg/L	1.00		75.8	40-140	3.04	20	
Aroclor-1260 [2C]	0.68	0.20	µg/L	1.00		68.4	40-140	0.864	20	
Surrogate: Decachlorobiphenyl	3.72		µg/L	4.00		93.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.94		µg/L	4.00		73.6	30-150			
Surrogate: Tetrachloro-m-xylene	2.20		µg/L	4.00		55.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.08		µg/L	4.00		52.1	30-150			

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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
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Batch B348150 - SW-846 3546
Blank (B348150-BLK1)

Prepared: 08/04/23 Analyzed: 08/09/23

Aroclor-1016	ND	0.096	mg/Kg							
Aroclor-1016 [2C]	ND	0.096	mg/Kg							
Aroclor-1221	ND	0.096	mg/Kg							
Aroclor-1221 [2C]	ND	0.096	mg/Kg							
Aroclor-1232	ND	0.096	mg/Kg							
Aroclor-1232 [2C]	ND	0.096	mg/Kg							
Aroclor-1242	ND	0.096	mg/Kg							
Aroclor-1242 [2C]	ND	0.096	mg/Kg							
Aroclor-1248	ND	0.096	mg/Kg							
Aroclor-1248 [2C]	ND	0.096	mg/Kg							
Aroclor-1254	ND	0.096	mg/Kg							
Aroclor-1254 [2C]	ND	0.096	mg/Kg							
Aroclor-1260	ND	0.096	mg/Kg							
Aroclor-1260 [2C]	ND	0.096	mg/Kg							
Aroclor-1262	ND	0.096	mg/Kg							
Aroclor-1262 [2C]	ND	0.096	mg/Kg							
Aroclor-1268	ND	0.096	mg/Kg							
Aroclor-1268 [2C]	ND	0.096	mg/Kg							
Surrogate: Decachlorobiphenyl	0.989		mg/Kg	0.962		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.04		mg/Kg	0.962		109	30-150			
Surrogate: Tetrachloro-m-xylene	0.978		mg/Kg	0.962		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.958		mg/Kg	0.962		99.6	30-150			

LCS (B348150-BS1)

Prepared: 08/04/23 Analyzed: 08/09/23

Aroclor-1016	0.75	0.086	mg/Kg	0.862		87.1	40-140			
Aroclor-1016 [2C]	0.75	0.086	mg/Kg	0.862		86.5	40-140			
Aroclor-1260	0.76	0.086	mg/Kg	0.862		87.6	40-140			
Aroclor-1260 [2C]	0.78	0.086	mg/Kg	0.862		90.6	40-140			
Surrogate: Decachlorobiphenyl	0.874		mg/Kg	0.862		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.934		mg/Kg	0.862		108	30-150			
Surrogate: Tetrachloro-m-xylene	0.847		mg/Kg	0.862		98.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.829		mg/Kg	0.862		96.2	30-150			

LCS Dup (B348150-BSD1)

Prepared: 08/04/23 Analyzed: 08/09/23

Aroclor-1016	0.75	0.088	mg/Kg	0.881		84.8	40-140	0.499	30	
Aroclor-1016 [2C]	0.85	0.088	mg/Kg	0.881		96.2	40-140	12.8	30	
Aroclor-1260	0.73	0.088	mg/Kg	0.881		82.8	40-140	3.50	30	
Aroclor-1260 [2C]	0.85	0.088	mg/Kg	0.881		96.1	40-140	8.13	30	
Surrogate: Decachlorobiphenyl	0.860		mg/Kg	0.881		97.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.04		mg/Kg	0.881		118	30-150			
Surrogate: Tetrachloro-m-xylene	0.867		mg/Kg	0.881		98.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.985		mg/Kg	0.881		112	30-150			

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QUALITY CONTROL
TCLP - 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 B347779 - SW-846 5030B										
Blank (B347779-BLK1)										
Prepared & Analyzed: 08/02/23										
Benzene	ND	0.0010	mg/L							
2-Butanone (MEK)	ND	0.020	mg/L							
Carbon Tetrachloride	ND	0.0050	mg/L							V-05
Chlorobenzene	ND	0.0010	mg/L							
Chloroform	ND	0.0020	mg/L							
1,4-Dichlorobenzene	ND	0.0010	mg/L							
1,2-Dichloroethane	ND	0.0010	mg/L							
1,1-Dichloroethylene	ND	0.0010	mg/L							
Tetrachloroethylene	ND	0.0010	mg/L							
Trichloroethylene	ND	0.0010	mg/L							
Vinyl Chloride	ND	0.0020	mg/L							
Surrogate: 1,2-Dichloroethane-d4	0.0246		mg/L	0.0250		98.6	70-130			
Surrogate: Toluene-d8	0.0247		mg/L	0.0250		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.0209		mg/L	0.0250		83.7	70-130			
LCS (B347779-BS1)										
Prepared & Analyzed: 08/02/23										
Benzene	0.0102	0.0010	mg/L	0.0100		102	70-130			
2-Butanone (MEK)	0.0967	0.020	mg/L	0.100		96.7	40-160			†
Carbon Tetrachloride	0.00774	0.0050	mg/L	0.0100		77.4	70-130			V-05
Chlorobenzene	0.0104	0.0010	mg/L	0.0100		104	70-130			
Chloroform	0.00975	0.0020	mg/L	0.0100		97.5	70-130			
1,4-Dichlorobenzene	0.0101	0.0010	mg/L	0.0100		101	70-130			
1,2-Dichloroethane	0.00954	0.0010	mg/L	0.0100		95.4	70-130			
1,1-Dichloroethylene	0.00898	0.0010	mg/L	0.0100		89.8	70-130			
Tetrachloroethylene	0.0104	0.0010	mg/L	0.0100		104	70-130			
Trichloroethylene	0.0104	0.0010	mg/L	0.0100		104	70-130			
Vinyl Chloride	0.0111	0.0020	mg/L	0.0100		111	40-160			†
Surrogate: 1,2-Dichloroethane-d4	0.0233		mg/L	0.0250		93.2	70-130			
Surrogate: Toluene-d8	0.0258		mg/L	0.0250		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.0230		mg/L	0.0250		92.1	70-130			
LCS Dup (B347779-BSD1)										
Prepared & Analyzed: 08/02/23										
Benzene	0.0101	0.0010	mg/L	0.0100		101	70-130	1.28	25	
2-Butanone (MEK)	0.0966	0.020	mg/L	0.100		96.6	40-160	0.0931	25	†
Carbon Tetrachloride	0.00760	0.0050	mg/L	0.0100		76.0	70-130	1.83	25	V-05
Chlorobenzene	0.0102	0.0010	mg/L	0.0100		102	70-130	1.55	25	
Chloroform	0.00955	0.0020	mg/L	0.0100		95.5	70-130	2.07	25	
1,4-Dichlorobenzene	0.00996	0.0010	mg/L	0.0100		99.6	70-130	1.20	25	
1,2-Dichloroethane	0.00941	0.0010	mg/L	0.0100		94.1	70-130	1.37	25	
1,1-Dichloroethylene	0.00863	0.0010	mg/L	0.0100		86.3	70-130	3.98	25	
Tetrachloroethylene	0.0102	0.0010	mg/L	0.0100		102	70-130	1.94	25	
Trichloroethylene	0.00953	0.0010	mg/L	0.0100		95.3	70-130	9.21	25	
Vinyl Chloride	0.0106	0.0020	mg/L	0.0100		106	40-160	5.26	25	†
Surrogate: 1,2-Dichloroethane-d4	0.0232		mg/L	0.0250		92.9	70-130			
Surrogate: Toluene-d8	0.0256		mg/L	0.0250		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.0228		mg/L	0.0250		91.1	70-130			

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QUALITY CONTROL
TCLP - 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 B348514 - SW-846 5030B										
Blank (B348514-BLK1)				Prepared & Analyzed: 08/09/23						
Benzene	ND	0.010	mg/L							
2-Butanone (MEK)	ND	0.20	mg/L							
Carbon Tetrachloride	ND	0.010	mg/L							
Chlorobenzene	ND	0.010	mg/L							
Chloroform	ND	0.010	mg/L							
1,4-Dichlorobenzene	ND	0.010	mg/L							
1,2-Dichloroethane	ND	0.010	mg/L							
1,1-Dichloroethylene	ND	0.010	mg/L							
Tetrachloroethylene	ND	0.010	mg/L							
Trichloroethylene	ND	0.010	mg/L							
Vinyl Chloride	ND	0.020	mg/L							
Surrogate: 1,2-Dichloroethane-d4	0.0251		mg/L	0.0250		101	70-130			
Surrogate: Toluene-d8	0.0250		mg/L	0.0250		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.0198		mg/L	0.0250		79.0	70-130			
LCS (B348514-BS1)				Prepared & Analyzed: 08/09/23						
Benzene	0.0107	0.0010	mg/L	0.0100		107	70-130			
2-Butanone (MEK)	0.108	0.020	mg/L	0.100		108	40-160			†
Carbon Tetrachloride	0.00884	0.0010	mg/L	0.0100		88.4	70-130			
Chlorobenzene	0.0103	0.0010	mg/L	0.0100		103	70-130			
Chloroform	0.0106	0.0010	mg/L	0.0100		106	70-130			
1,4-Dichlorobenzene	0.0103	0.0010	mg/L	0.0100		103	70-130			
1,2-Dichloroethane	0.00994	0.0010	mg/L	0.0100		99.4	70-130			
1,1-Dichloroethylene	0.0101	0.0010	mg/L	0.0100		101	70-130			
Tetrachloroethylene	0.0103	0.0010	mg/L	0.0100		103	70-130			
Trichloroethylene	0.0105	0.0010	mg/L	0.0100		105	70-130			
Vinyl Chloride	0.0112	0.0020	mg/L	0.0100		112	40-160			†
Surrogate: 1,2-Dichloroethane-d4	0.0241		mg/L	0.0250		96.2	70-130			
Surrogate: Toluene-d8	0.0261		mg/L	0.0250		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.0231		mg/L	0.0250		92.4	70-130			
LCS Dup (B348514-BSD1)				Prepared & Analyzed: 08/09/23						
Benzene	0.0112	0.0010	mg/L	0.0100		112	70-130	4.47	25	
2-Butanone (MEK)	0.107	0.020	mg/L	0.100		107	40-160	0.436	25	†
Carbon Tetrachloride	0.00879	0.0010	mg/L	0.0100		87.9	70-130	0.567	25	
Chlorobenzene	0.0101	0.0010	mg/L	0.0100		101	70-130	2.05	25	
Chloroform	0.0102	0.0010	mg/L	0.0100		102	70-130	4.53	25	
1,4-Dichlorobenzene	0.00936	0.0010	mg/L	0.0100		93.6	70-130	9.66	25	
1,2-Dichloroethane	0.00961	0.0010	mg/L	0.0100		96.1	70-130	3.38	25	
1,1-Dichloroethylene	0.0101	0.0010	mg/L	0.0100		101	70-130	0.396	25	
Tetrachloroethylene	0.00968	0.0010	mg/L	0.0100		96.8	70-130	6.11	25	
Trichloroethylene	0.0101	0.0010	mg/L	0.0100		101	70-130	3.78	25	
Vinyl Chloride	0.0110	0.0020	mg/L	0.0100		110	40-160	2.61	25	†
Surrogate: 1,2-Dichloroethane-d4	0.0249		mg/L	0.0250		99.4	70-130			
Surrogate: Toluene-d8	0.0248		mg/L	0.0250		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.0229		mg/L	0.0250		91.5	70-130			

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QUALITY CONTROL
TCLP - Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B348514 - SW-846 5030B
Matrix Spike (B348514-MS1)
Source: 23G3737-01

Prepared & Analyzed: 08/09/23

Benzene	0.103	0.010	mg/L	0.100	0.00830	94.9	70-130			
2-Butanone (MEK)	0.829	0.20	mg/L	1.00	ND	82.9	70-130			
Carbon Tetrachloride	0.0808	0.010	mg/L	0.100	ND	80.8	70-130			
Chlorobenzene	0.0870	0.010	mg/L	0.100	ND	87.0	70-130			
Chloroform	0.106	0.010	mg/L	0.100	0.0141	91.9	70-130			
1,4-Dichlorobenzene	0.0821	0.010	mg/L	0.100	ND	82.1	70-130			
1,2-Dichloroethane	0.0840	0.010	mg/L	0.100	ND	84.0	70-130			
1,1-Dichloroethylene	0.0882	0.010	mg/L	0.100	ND	88.2	70-130			
Tetrachloroethylene	0.0902	0.010	mg/L	0.100	ND	90.2	70-130			
Trichloroethylene	0.0896	0.010	mg/L	0.100	ND	89.6	70-130			
Vinyl Chloride	0.100	0.020	mg/L	0.100	ND	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0257		mg/L	0.0250		103	70-130			
Surrogate: Toluene-d8	0.0255		mg/L	0.0250		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.0219		mg/L	0.0250		87.6	70-130			

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QUALITY CONTROL
TCLP - Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B348453 - SW-846 3510C										
Blank (B348453-BLK1)				Prepared: 08/09/23 Analyzed: 08/11/23						
2,4-Dinitrotoluene	ND	0.040	mg/L							
Hexachlorobenzene	ND	0.040	mg/L							
Hexachlorobutadiene	ND	0.040	mg/L							
Hexachloroethane	ND	0.040	mg/L							
2-Methylphenol	ND	0.040	mg/L							
3/4-Methylphenol	ND	0.040	mg/L							
Nitrobenzene	ND	0.040	mg/L							
Pentachlorophenol	ND	0.040	mg/L							V-06
Pyridine	ND	0.020	mg/L							
2,4,5-Trichlorophenol	ND	0.040	mg/L							
2,4,6-Trichlorophenol	ND	0.040	mg/L							
Surrogate: 2-Fluorophenol	0.465		mg/L	0.800		58.1	15-110			
Surrogate: Phenol-d6	0.465		mg/L	0.800		58.2	15-110			
Surrogate: Nitrobenzene-d5	0.239		mg/L	0.400		59.7	30-130			
Surrogate: 2-Fluorobiphenyl	0.246		mg/L	0.400		61.4	30-130			
Surrogate: 2,4,6-Tribromophenol	0.752		mg/L	0.800		94.0	15-110			
Surrogate: p-Terphenyl-d14	0.343		mg/L	0.400		85.7	30-130			
LCS (B348453-BS1)				Prepared: 08/09/23 Analyzed: 08/11/23						
2,4-Dinitrotoluene	0.166	0.040	mg/L	0.200		82.8	40-140			
Hexachlorobenzene	0.157	0.040	mg/L	0.200		78.5	40-140			
Hexachlorobutadiene	0.104	0.040	mg/L	0.200		51.8	40-140			
Hexachloroethane	0.0969	0.040	mg/L	0.200		48.4	40-140			
2-Methylphenol	0.144	0.040	mg/L	0.200		71.8	30-130			
3/4-Methylphenol	0.150	0.040	mg/L	0.200		75.2	30-130			
Nitrobenzene	0.136	0.040	mg/L	0.200		68.1	40-140			
Pentachlorophenol	0.200	0.040	mg/L	0.200		100	30-130			V-06
Pyridine	0.0975	0.020	mg/L	0.200		48.7	10-140			†
2,4,5-Trichlorophenol	0.173	0.040	mg/L	0.200		86.7	30-130			
2,4,6-Trichlorophenol	0.173	0.040	mg/L	0.200		86.3	30-130			
Surrogate: 2-Fluorophenol	0.540		mg/L	0.800		67.5	15-110			
Surrogate: Phenol-d6	0.525		mg/L	0.800		65.6	15-110			
Surrogate: Nitrobenzene-d5	0.282		mg/L	0.400		70.6	30-130			
Surrogate: 2-Fluorobiphenyl	0.279		mg/L	0.400		69.9	30-130			
Surrogate: 2,4,6-Tribromophenol	0.769		mg/L	0.800		96.1	15-110			
Surrogate: p-Terphenyl-d14	0.341		mg/L	0.400		85.1	30-130			
LCS Dup (B348453-BSD1)				Prepared: 08/09/23 Analyzed: 08/11/23						
2,4-Dinitrotoluene	0.163	0.040	mg/L	0.200		81.4	40-140	1.68	20	
Hexachlorobenzene	0.156	0.040	mg/L	0.200		78.1	40-140	0.511	20	
Hexachlorobutadiene	0.111	0.040	mg/L	0.200		55.7	40-140	7.14	20	
Hexachloroethane	0.102	0.040	mg/L	0.200		51.2	40-140	5.50	50	‡
2-Methylphenol	0.146	0.040	mg/L	0.200		72.9	30-130	1.49	20	
3/4-Methylphenol	0.151	0.040	mg/L	0.200		75.4	30-130	0.186	20	
Nitrobenzene	0.145	0.040	mg/L	0.200		72.4	40-140	6.18	20	
Pentachlorophenol	0.197	0.040	mg/L	0.200		98.6	30-130	1.47	50	V-06 ‡
Pyridine	0.102	0.020	mg/L	0.200		51.2	10-140	4.84	50	† ‡
2,4,5-Trichlorophenol	0.173	0.040	mg/L	0.200		86.4	30-130	0.370	20	
2,4,6-Trichlorophenol	0.171	0.040	mg/L	0.200		85.7	30-130	0.721	50	‡
Surrogate: 2-Fluorophenol	0.549		mg/L	0.800		68.6	15-110			
Surrogate: Phenol-d6	0.525		mg/L	0.800		65.6	15-110			
Surrogate: Nitrobenzene-d5	0.290		mg/L	0.400		72.6	30-130			

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QUALITY CONTROL
TCLP - Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B348453 - SW-846 3510C										
LCS Dup (B348453-BSD1)				Prepared: 08/09/23 Analyzed: 08/11/23						
Surrogate: 2-Fluorobiphenyl	0.282		mg/L	0.400		70.4	30-130			
Surrogate: 2,4,6-Tribromophenol	0.724		mg/L	0.800		90.5	15-110			
Surrogate: p-Terphenyl-d14	0.318		mg/L	0.400		79.5	30-130			
Matrix Spike (B348453-MS1)				Source: 23G3737-01		Prepared: 08/09/23 Analyzed: 08/11/23				
2,4-Dinitrotoluene	0.163	0.040	mg/L	0.200	ND	81.4	40-140			
Hexachlorobenzene	0.156	0.040	mg/L	0.200	ND	78.0	40-140			
Hexachlorobutadiene	0.0986	0.040	mg/L	0.200	ND	49.3	40-140			
Hexachloroethane	0.0900	0.040	mg/L	0.200	ND	45.0	40-140			
2-Methylphenol	0.139	0.040	mg/L	0.200	ND	69.7	40-140			
3/4-Methylphenol	0.148	0.040	mg/L	0.200	ND	73.9	40-140			
Nitrobenzene	0.135	0.040	mg/L	0.200	ND	67.5	40-140			
Pentachlorophenol	0.197	0.040	mg/L	0.200	ND	98.3	40-140			V-06
Pyridine	0.0920	0.020	mg/L	0.200	ND	46.0	40-140			
2,4,5-Trichlorophenol	0.169	0.040	mg/L	0.200	ND	84.7	40-140			
2,4,6-Trichlorophenol	0.171	0.040	mg/L	0.200	ND	85.5	40-140			
Surrogate: 2-Fluorophenol	0.483		mg/L	0.800		60.4	15-110			
Surrogate: Phenol-d6	0.503		mg/L	0.800		62.8	15-110			
Surrogate: Nitrobenzene-d5	0.260		mg/L	0.400		65.0	30-130			
Surrogate: 2-Fluorobiphenyl	0.278		mg/L	0.400		69.5	30-130			
Surrogate: 2,4,6-Tribromophenol	0.723		mg/L	0.800		90.4	15-110			
Surrogate: p-Terphenyl-d14	0.325		mg/L	0.400		81.2	30-130			

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QUALITY CONTROL
TCLP - Metals Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B348351 - SW-846 3010A
Blank (B348351-BLK1)

Prepared: 08/08/23 Analyzed: 08/10/23

Arsenic	ND	0.050	mg/L							
Barium	ND	0.50	mg/L							
Cadmium	ND	0.010	mg/L							
Chromium	ND	0.050	mg/L							
Lead	ND	0.10	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.050	mg/L							

LCS (B348351-BS1)

Prepared: 08/08/23 Analyzed: 08/10/23

Arsenic	0.516	0.050	mg/L	0.500		103	80-120			
Barium	0.525	0.50	mg/L	0.500		105	80-120			
Cadmium	0.539	0.010	mg/L	0.500		108	80-120			
Chromium	0.510	0.050	mg/L	0.500		102	80-120			
Lead	0.503	0.10	mg/L	0.500		101	80-120			
Selenium	0.572	0.050	mg/L	0.500		114	80-120			
Silver	0.589	0.050	mg/L	0.500		118	80-120			

LCS Dup (B348351-BSD1)

Prepared: 08/08/23 Analyzed: 08/10/23

Arsenic	0.502	0.050	mg/L	0.500		100	80-120	2.72	20	
Barium	0.520	0.50	mg/L	0.500		104	80-120	0.967	20	
Cadmium	0.532	0.010	mg/L	0.500		106	80-120	1.26	20	
Chromium	0.509	0.050	mg/L	0.500		102	80-120	0.238	35	
Lead	0.496	0.10	mg/L	0.500		99.2	80-120	1.38	20	
Selenium	0.563	0.050	mg/L	0.500		113	80-120	1.52	20	
Silver	0.594	0.050	mg/L	0.500		119	80-120	0.783	20	

Batch B348355 - SW-846 7470A Prep
Blank (B348355-BLK1)

Prepared: 08/08/23 Analyzed: 08/10/23

Mercury	ND	0.00020	mg/L							
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LCS (B348355-BS1)

Prepared: 08/08/23 Analyzed: 08/10/23

Mercury	0.00384	0.00020	mg/L	0.00402		95.4	80-120			
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LCS Dup (B348355-BSD1)

Prepared: 08/08/23 Analyzed: 08/10/23

Mercury	0.00343	0.00020	mg/L	0.00402		85.4	80-120	11.1	20	
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Batch B348476 - SW-846 7470A Prep
Blank (B348476-BLK1)

Prepared: 08/09/23 Analyzed: 08/10/23

Mercury	ND	0.00020	mg/L							
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QUALITY CONTROL
TCLP - Metals Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B348476 - SW-846 7470A Prep										
LCS (B348476-BS1)				Prepared: 08/09/23 Analyzed: 08/10/23						
Mercury	0.00395	0.00020	mg/L	0.00402		98.3	80-120			
LCS Dup (B348476-BSD1)				Prepared: 08/09/23 Analyzed: 08/10/23						
Mercury	0.00378	0.00020	mg/L	0.00402		94.1	80-120	4.36	20	
Matrix Spike (B348476-MS1)				Source: 23G3737-02		Prepared: 08/09/23 Analyzed: 08/10/23				
Mercury	0.00400	0.00020	mg/L	0.00402	ND	99.6	75-125			
Batch B348650 - SW-846 3010A										
Blank (B348650-BLK1)				Prepared & Analyzed: 08/10/23						
Arsenic	ND	0.050	mg/L							
Barium	ND	0.50	mg/L							
Cadmium	ND	0.010	mg/L							
Chromium	ND	0.050	mg/L							
Lead	ND	0.10	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.050	mg/L							
LCS (B348650-BS1)				Prepared & Analyzed: 08/10/23						
Arsenic	0.526	0.050	mg/L	0.500		105	80-120			
Barium	0.528	0.50	mg/L	0.500		106	80-120			
Cadmium	0.539	0.010	mg/L	0.500		108	80-120			
Chromium	0.515	0.050	mg/L	0.500		103	80-120			
Lead	0.501	0.10	mg/L	0.500		100	80-120			
Selenium	0.598	0.050	mg/L	0.500		120	80-120			
Silver	0.599	0.050	mg/L	0.500		120	80-120			
LCS Dup (B348650-BSD1)				Prepared & Analyzed: 08/10/23						
Arsenic	0.537	0.050	mg/L	0.500		107	80-120	1.95	20	
Barium	0.537	0.50	mg/L	0.500		107	80-120	1.84	20	
Cadmium	0.553	0.010	mg/L	0.500		111	80-120	2.54	20	
Chromium	0.525	0.050	mg/L	0.500		105	80-120	2.04	20	
Lead	0.510	0.10	mg/L	0.500		102	80-120	1.77	20	
Selenium	0.618	0.050	mg/L	0.500		124	* 80-120	3.25	20	L-07
Silver	0.609	0.050	mg/L	0.500		122	* 80-120	1.68	20	L-07
Matrix Spike (B348650-MS1)				Source: 23G3737-02		Prepared & Analyzed: 08/10/23				
Arsenic	0.529	0.050	mg/L	0.500	ND	106	75-125			
Barium	0.663	0.50	mg/L	0.500	0.158	101	75-125			
Cadmium	0.518	0.010	mg/L	0.500	ND	104	75-125			
Chromium	0.517	0.050	mg/L	0.500	ND	103	75-125			
Lead	0.505	0.10	mg/L	0.500	ND	101	75-125			
Selenium	0.568	0.050	mg/L	0.500	0.0282	108	75-125			
Silver	0.585	0.050	mg/L	0.500	ND	117	75-125			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B347847-BS1 Date(s) Analyzed: 08/11/2023 08/11/2023
 Instrument ID (1): ECD10 Instrument ID (2): ECD10
 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	0.69	
	2	0.000	0.000	0.000	0.66	4.4
Aroclor-1260	1	0.000	0.000	0.000	0.78	
	2	0.000	0.000	0.000	0.69	12.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B347847-BSD1 Date(s) Analyzed: 08/11/2023 08/11/2023
 Instrument ID (1): ECD10 Instrument ID (2): ECD10
 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	0.69	
	2	0.000	0.000	0.000	0.64	7.5
Aroclor-1260	1	0.000	0.000	0.000	0.76	
	2	0.000	0.000	0.000	0.68	11.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B348150-BS1 Date(s) Analyzed: 08/09/2023 08/09/2023
 Instrument ID (1): ECD4 Instrument ID (2): ECD4
 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	0.75	
	2	0.000	0.000	0.000	0.75	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.76	
	2	0.000	0.000	0.000	0.78	2.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B348150-BSD1 Date(s) Analyzed: 08/09/2023 08/09/2023
 Instrument ID (1): ECD4 Instrument ID (2): ECD4
 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	0.75	
	2	0.000	0.000	0.000	0.85	12.5
Aroclor-1260	1	0.000	0.000	0.000	0.73	
	2	0.000	0.000	0.000	0.85	15.2

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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.
DL-01	Elevated reporting limits for all volatile compounds due to foaming sample matrix.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
S-30	Surrogate recovery is outside of control limits due to suspected matrix interference. Samples containing carbon material historically have exhibited low surrogate recovery.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 6010D in Soil</i>	
Arsenic	NY,CT,NC,ME,NH,VA
Barium	NY,CT,ME,NC,NH,VA
Cadmium	NY,CT,ME,NC,NH,VA
Chromium	NY,CT,NH,NC,ME,VA
Lead	NY,CT,ME,NC,NH,VA
Selenium	NY,CT,NH,ME,VA,NC
Silver	NY,CT,NH,ME,VA,NC
<i>SW-846 6010D in Water</i>	
Arsenic	NY,CT,NC,ME,NH,VA
Barium	NY,CT,ME,NC,NH,VA
Cadmium	NY,CT,ME,NC,NH,VA
Chromium	NY,CT,ME,NC,NH,VA
Lead	NY,CT,ME,NC,NH,VA
Selenium	CT,ME,NH,NY,VA,NC
Silver	CT,ME,NH,NY,VA,NC
<i>SW-846 7470A in Water</i>	
Mercury	CT,ME,NC,NH,NY,VA
<i>SW-846 8082A in Product/Solid</i>	
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
<i>SW-846 8082A in Soil</i>	
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

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
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
<i>SW-846 8082A in Water</i>	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Water	
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8260D in Water	
Benzene	ME,NY,CT,NC,VA
2-Butanone (MEK)	ME,NY,CT,NC,VA
Carbon Tetrachloride	ME,NY,CT,NC,VA
Chlorobenzene	ME,NY,CT,NC,VA
Chloroform	ME,NY,CT,NC,VA
1,4-Dichlorobenzene	ME,NY,CT,NC,VA
1,2-Dichloroethane	ME,NY,CT,NC,VA
1,1-Dichloroethylene	ME,NY,CT,NC,VA
Hexachlorobutadiene	ME,NY,VA
Tetrachloroethylene	ME,NY,CT,NC,VA
Trichloroethylene	ME,NY,CT,NC,VA
Vinyl Chloride	ME,NY,CT,NC,VA
SW-846 8270E in Water	
1,4-Dichlorobenzene	ME,NC,NH,NY,VA
2,4-Dinitrotoluene	ME,NC,NH,CT,NY,VA
Hexachlorobenzene	ME,NC,NH,CT,NY,VA
Hexachlorobutadiene	ME,NC,NH,CT,NY,VA
Hexachloroethane	ME,NC,NH,CT,NY,VA
2-Methylphenol	ME,NC,NH,CT
3/4-Methylphenol	ME,NC,NH,CT
Nitrobenzene	ME,NC,NH,CT,NY,VA
Pentachlorophenol	ME,NC,NH,CT,NY,VA
Pyridine	ME,NC,NH,CT,NY,VA
2,4,5-Trichlorophenol	ME,NC,NH,CT,NY,VA
2,4,6-Trichlorophenol	ME,NC,NH,CT,NY,VA
2-Fluorophenol	NC

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

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2024

Turnaround Time (Business Days) Approved By (Lab PM) / Date

Standard 14 Days

1 day RUSH

☒ Other 10-day TAT

Laboratory Information

Lab: Con-Test (PACE) Analytical Laboratory

Address: 39 Spruce St. East Longmeadow, MA 01028

Phone: 413-525-2332

Lab PM: Kyle Murray

Lab PM Email: kyle.murray@pacelabs.com

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

FULLT1 (Level 3 & 4)

NJ Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

NJ Data of Known Quality Protocol Reporting

NYASP Category A

NYASP Category B

State Forms

 EDD Format compatible with most recent DEC format

Other

Please Email the EQ EDD Package to ges@equisonline.com

EOEDD Name: NYSDEC/Tonawanda/NY/ENiagaraSt/126_LabReport#.17811.EOEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sampler:	Date / Time:	Received By:	
1 Jessica Paterscn GES	1 7/26/23 1535	1 Jocelyn Kelly (AAL)	7/26/23 15:35
Relinquished By :	Date / Time:	Received By:	
2 Jocelyn Kelly (AAL)	2 7/26/23 15:35	2 [Signature] 0745	7-27-23
Relinquished By :	Date / Time:	Received By:	
3	3	3	
Custody Seal Number:		☐ Intact ☒ Not Intact ☐ Preserved where applicable ☒ On Ice	
		Cooler Temp 3.2°C	

one time sample for T+D

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.pacelabs.com

ENV-FRM-ELON-0001 V05_Sample Receiving Checklist

Log In Back-Sheet

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

Client GESProject TonawandaMCP/RCP Required NIADeliverable Package Requirement NIALocation 126 E Niagara St, Tonawanda, NYPWSID# (When Applicable) 977591

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐Received By / Date / Time AAM / 7-27-23 / 0745Back-Sheet By / Date / Time AAM / 7-27-23 / 1022Temperature Method Temp Gun # 4Temp ☒ 6° C Actual Temperature 3.2° CRush Samples: Yes / ☒ No NotifyShort Hold: Yes / ☒ No Notify

Notes regarding Samples/COC outside of SOP:

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☐	☒
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒	Analysis ☒	Sampler Name ☒
Project ☒	IDs ☒	Collection Date/Time ☒

All Samples Proper pH: N/A ☐ ☐

Additional Container Notes

September 28, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 126 E Niagara St, Tonawanda, NY
Client Job Number:
Project Number: 915171
Laboratory Work Order Number: 23I2694

Enclosed are results of analyses for samples as received by the laboratory on September 21, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 9/28/2023

PURCHASE ORDER NUMBER: 147643

PROJECT NUMBER: 915171

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 2312694

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

PROJECT LOCATION: 126 E Niagara St, Tonawanda, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Post Carbon 2	2312694-01	Ground Water		SW-846 8260D	
Pre-Carbon	2312694-02	Ground Water		SW-846 8260D	
Outside Sump	2312694-03	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 8260D

Qualifications:

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23I2694-02[Pre-Carbon], 23I2694-03[Outside Sump]

V-05

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

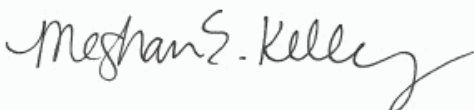
Analyte & Samples(s) Qualified:

Bromomethane

23I2694-01[Post Carbon 2], 23I2694-02[Pre-Carbon], 23I2694-03[Outside Sump], B352799-BLK1, B352799-BS1, B352799-BSD1, S093932-CCV1

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.



Meghan E. Kelley
Reporting Specialist

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

Project Location: 126 E Niagara St, Tonawanda, NY

Sample Description:

Work Order: 2312694

Date Received: 9/21/2023

Field Sample #: Post Carbon 2

Sampled: 9/20/2023 15:00

Sample ID: 2312694-01

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		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/22/23	9/25/23 16:20	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD

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Project Location: 126 E Niagara St, Tonawanda, NY

Sample Description:

Work Order: 2312694

Date Received: 9/21/2023

Field Sample #: Post Carbon 2

Sampled: 9/20/2023 15:00

Sample ID: 2312694-01

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	9/22/23	9/25/23 16:20	LBD
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/23	9/25/23 16:20	LBD
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	94.4	70-130							
Toluene-d8	102	70-130							
4-Bromofluorobenzene	101	70-130							

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

Project Location: 126 E Niagara St, Tonawanda, NY

Sample Description:

Work Order: 2312694

Date Received: 9/21/2023

Field Sample #: Pre-Carbon

Sampled: 9/20/2023 15:10

Sample ID: 2312694-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	1000	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Acrylonitrile	ND	100	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
tert-Amyl Methyl Ether (TAME)	ND	10	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Benzene	2500	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Bromobenzene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Bromochloromethane	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Bromodichloromethane	ND	10	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Bromoform	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Bromomethane	ND	40	µg/L	20	V-05	SW-846 8260D	9/22/23	9/25/23 18:30	LBD
2-Butanone (MEK)	ND	400	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
tert-Butyl Alcohol (TBA)	ND	400	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
n-Butylbenzene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
sec-Butylbenzene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
tert-Butylbenzene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	10	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Carbon Disulfide	ND	100	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Carbon Tetrachloride	ND	100	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Chlorobenzene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Chlorodibromomethane	ND	10	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Chloroethane	ND	40	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Chloroform	ND	40	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Chloromethane	ND	40	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
2-Chlorotoluene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
4-Chlorotoluene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,2-Dibromoethane (EDB)	ND	10	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Dibromomethane	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,2-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,3-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,4-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
trans-1,4-Dichloro-2-butene	ND	40	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Dichlorodifluoromethane (Freon 12)	ND	40	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,1-Dichloroethane	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,2-Dichloroethane	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,1-Dichloroethylene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
cis-1,2-Dichloroethylene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
trans-1,2-Dichloroethylene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,2-Dichloropropane	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,3-Dichloropropane	ND	10	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
2,2-Dichloropropane	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,1-Dichloropropene	ND	40	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
cis-1,3-Dichloropropene	ND	10	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
trans-1,3-Dichloropropene	ND	10	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Diethyl Ether	ND	40	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD

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

Project Location: 126 E Niagara St, Tonawanda, NY

Sample Description:

Work Order: 2312694

Date Received: 9/21/2023

Field Sample #: Pre-Carbon

Sampled: 9/20/2023 15:10

Sample ID: 2312694-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	10	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,4-Dioxane	ND	1000	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Ethylbenzene	71	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Hexachlorobutadiene	ND	12	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
2-Hexanone (MBK)	ND	200	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Isopropylbenzene (Cumene)	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
p-Isopropyltoluene (p-Cymene)	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Methyl Acetate	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Methyl tert-Butyl Ether (MTBE)	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Methyl Cyclohexane	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Methylene Chloride	ND	100	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
4-Methyl-2-pentanone (MIBK)	ND	200	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Naphthalene	250	40	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
n-Propylbenzene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Styrene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,1,1,2-Tetrachloroethane	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,1,2,2-Tetrachloroethane	ND	10	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Tetrachloroethylene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Tetrahydrofuran	ND	200	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Toluene	300	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,2,3-Trichlorobenzene	ND	100	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,2,4-Trichlorobenzene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,3,5-Trichlorobenzene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,1,1-Trichloroethane	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,1,2-Trichloroethane	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Trichloroethylene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Trichlorofluoromethane (Freon 11)	ND	40	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,2,3-Trichloropropane	ND	40	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,2,4-Trimethylbenzene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
1,3,5-Trimethylbenzene	ND	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Vinyl Chloride	ND	40	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
m+p Xylene	86	40	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
o-Xylene	59	20	µg/L	20		SW-846 8260D	9/22/23	9/25/23 18:30	LBD
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	94.5	70-130							
Toluene-d8	102	70-130							
4-Bromofluorobenzene	101	70-130							

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

Project Location: 126 E Niagara St, Tonawanda, NY

Sample Description:

Work Order: 2312694

Date Received: 9/21/2023

Field Sample #: Outside Sump

Sampled: 9/20/2023 15:20

Sample ID: 2312694-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2000	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Acrylonitrile	ND	200	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
tert-Amyl Methyl Ether (TAME)	ND	20	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Benzene	5800	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Bromobenzene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Bromochloromethane	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Bromodichloromethane	ND	20	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Bromoform	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Bromomethane	ND	80	µg/L	40	V-05	SW-846 8260D	9/22/23	9/25/23 18:56	LBD
2-Butanone (MEK)	ND	800	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
tert-Butyl Alcohol (TBA)	ND	800	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
n-Butylbenzene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
sec-Butylbenzene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
tert-Butylbenzene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	20	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Carbon Disulfide	ND	200	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Carbon Tetrachloride	ND	200	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Chlorobenzene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Chlorodibromomethane	ND	20	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Chloroethane	ND	80	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Chloroform	ND	80	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Chloromethane	ND	80	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
2-Chlorotoluene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
4-Chlorotoluene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	200	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,2-Dibromoethane (EDB)	ND	20	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Dibromomethane	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,2-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,3-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,4-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
trans-1,4-Dichloro-2-butene	ND	80	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Dichlorodifluoromethane (Freon 12)	ND	80	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,1-Dichloroethane	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,2-Dichloroethane	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,1-Dichloroethylene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
cis-1,2-Dichloroethylene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
trans-1,2-Dichloroethylene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,2-Dichloropropane	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,3-Dichloropropane	ND	20	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
2,2-Dichloropropane	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,1-Dichloropropene	ND	80	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
cis-1,3-Dichloropropene	ND	20	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
trans-1,3-Dichloropropene	ND	20	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Diethyl Ether	ND	80	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD

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

Project Location: 126 E Niagara St, Tonawanda, NY

Sample Description:

Work Order: 2312694

Date Received: 9/21/2023

Field Sample #: Outside Sump

Sampled: 9/20/2023 15:20

Sample ID: 2312694-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	20	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,4-Dioxane	ND	2000	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Ethylbenzene	340	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Hexachlorobutadiene	ND	24	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
2-Hexanone (MBK)	ND	400	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Isopropylbenzene (Cumene)	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
p-Isopropyltoluene (p-Cymene)	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Methyl Acetate	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Methyl tert-Butyl Ether (MTBE)	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Methyl Cyclohexane	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Methylene Chloride	ND	200	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
4-Methyl-2-pentanone (MIBK)	ND	400	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Naphthalene	650	80	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
n-Propylbenzene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Styrene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,1,1,2-Tetrachloroethane	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,1,2,2-Tetrachloroethane	ND	20	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Tetrachloroethylene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Tetrahydrofuran	ND	400	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Toluene	690	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,2,3-Trichlorobenzene	ND	200	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,2,4-Trichlorobenzene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,3,5-Trichlorobenzene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,1,1-Trichloroethane	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,1,2-Trichloroethane	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Trichloroethylene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Trichlorofluoromethane (Freon 11)	ND	80	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,2,3-Trichloropropane	ND	80	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,2,4-Trimethylbenzene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
1,3,5-Trimethylbenzene	ND	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Vinyl Chloride	ND	80	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
m+p Xylene	130	80	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
o-Xylene	82	40	µg/L	40		SW-846 8260D	9/22/23	9/25/23 18:56	LBD
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	94.0	70-130							
Toluene-d8	102	70-130							
4-Bromofluorobenzene	101	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method:SW-846 5030B Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23I2694-01 [Post Carbon 2]	B352799	5	5.00	09/22/23
23I2694-02 [Pre-Carbon]	B352799	0.25	5.00	09/22/23
23I2694-03 [Outside Sump]	B352799	0.125	5.00	09/22/23

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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
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Batch B352799 - SW-846 5030B
Blank (B352799-BLK1)

Prepared: 09/22/23 Analyzed: 09/25/23

Acetone	ND	50	µg/L							
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							V-05
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
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							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Iodomethane	ND	20	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	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
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Batch B352799 - SW-846 5030B
Blank (B352799-BLK1)

Prepared: 09/22/23 Analyzed: 09/25/23

Methyl Acetate	ND	1.0	µg/L							
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							
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 Acetate	ND	20	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	22.4		µg/L	25.0		89.7	70-130			
Surrogate: Toluene-d8	25.6		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.0		102	70-130			

LCS (B352799-BS1)

Prepared: 09/22/23 Analyzed: 09/25/23

Acetone	88.3	50	µg/L	100		88.3	70-160			†
Acrylonitrile	9.52	5.0	µg/L	10.0		95.2	70-130			
tert-Amyl Methyl Ether (TAME)	9.80	0.50	µg/L	10.0		98.0	70-130			
Benzene	9.77	1.0	µg/L	10.0		97.7	70-130			
Bromobenzene	11.0	1.0	µg/L	10.0		110	70-130			
Bromochloromethane	10.4	1.0	µg/L	10.0		104	70-130			
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130			
Bromoform	11.2	1.0	µg/L	10.0		112	70-130			
Bromomethane	8.21	2.0	µg/L	10.0		82.1	40-160		V-05	†
2-Butanone (MEK)	93.2	20	µg/L	100		93.2	40-160			†
tert-Butyl Alcohol (TBA)	91.7	20	µg/L	100		91.7	40-160			†
n-Butylbenzene	9.45	1.0	µg/L	10.0		94.5	70-130			
sec-Butylbenzene	9.55	1.0	µg/L	10.0		95.5	70-130			
tert-Butylbenzene	9.80	1.0	µg/L	10.0		98.0	70-130			
tert-Butyl Ethyl Ether (TBEE)	9.41	0.50	µg/L	10.0		94.1	70-130			
Carbon Disulfide	95.7	5.0	µg/L	100		95.7	70-130			
Carbon Tetrachloride	9.54	5.0	µg/L	10.0		95.4	70-130			
Chlorobenzene	11.1	1.0	µg/L	10.0		111	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 B352799 - SW-846 5030B										
LCS (B352799-BS1)					Prepared: 09/22/23 Analyzed: 09/25/23					
Chlorodibromomethane	11.3	0.50	µg/L	10.0		113	70-130			
Chloroethane	9.83	2.0	µg/L	10.0		98.3	70-130			
Chloroform	9.71	2.0	µg/L	10.0		97.1	70-130			
Chloromethane	8.26	2.0	µg/L	10.0		82.6	40-160			†
2-Chlorotoluene	10.5	1.0	µg/L	10.0		105	70-130			
4-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.72	5.0	µg/L	10.0		97.2	70-130			
1,2-Dibromoethane (EDB)	12.2	0.50	µg/L	10.0		122	70-130			
Dibromomethane	11.9	1.0	µg/L	10.0		119	70-130			
1,2-Dichlorobenzene	11.4	1.0	µg/L	10.0		114	70-130			
1,3-Dichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130			
1,4-Dichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130			
trans-1,4-Dichloro-2-butene	9.76	2.0	µg/L	10.0		97.6	70-130			
Dichlorodifluoromethane (Freon 12)	9.33	2.0	µg/L	10.0		93.3	40-160			†
1,1-Dichloroethane	9.45	1.0	µg/L	10.0		94.5	70-130			
1,2-Dichloroethane	11.3	1.0	µg/L	10.0		113	70-130			
1,1-Dichloroethylene	9.65	1.0	µg/L	10.0		96.5	70-130			
cis-1,2-Dichloroethylene	9.59	1.0	µg/L	10.0		95.9	70-130			
trans-1,2-Dichloroethylene	9.57	1.0	µg/L	10.0		95.7	70-130			
1,2-Dichloropropane	11.1	1.0	µg/L	10.0		111	70-130			
1,3-Dichloropropane	11.6	0.50	µg/L	10.0		116	70-130			
2,2-Dichloropropane	9.89	1.0	µg/L	10.0		98.9	40-130			†
1,1-Dichloropropene	9.55	2.0	µg/L	10.0		95.5	70-130			
cis-1,3-Dichloropropene	10.9	0.50	µg/L	10.0		109	70-130			
trans-1,3-Dichloropropene	11.1	0.50	µg/L	10.0		111	70-130			
Diethyl Ether	9.73	2.0	µg/L	10.0		97.3	70-130			
Diisopropyl Ether (DIPE)	9.12	0.50	µg/L	10.0		91.2	70-130			
1,4-Dioxane	93.6	50	µg/L	100		93.6	40-130			†
Ethylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
Hexachlorobutadiene	11.2	0.60	µg/L	10.0		112	70-130			
2-Hexanone (MBK)	108	10	µg/L	100		108	70-160			†
Iodomethane	89.5	20	µg/L	100		89.5	70-130			
Isopropylbenzene (Cumene)	10.5	1.0	µg/L	10.0		105	70-130			
p-Isopropyltoluene (p-Cymene)	9.70	1.0	µg/L	10.0		97.0	70-130			
Methyl Acetate	9.37	1.0	µg/L	10.0		93.7	70-130			
Methyl tert-Butyl Ether (MTBE)	9.78	1.0	µg/L	10.0		97.8	70-130			
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130			
Methylene Chloride	8.80	5.0	µg/L	10.0		88.0	70-130			
4-Methyl-2-pentanone (MIBK)	108	10	µg/L	100		108	70-160			†
Naphthalene	10.5	2.0	µg/L	10.0		105	40-130			†
n-Propylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
Styrene	11.0	1.0	µg/L	10.0		110	70-130			
1,1,1,2-Tetrachloroethane	11.3	1.0	µg/L	10.0		113	70-130			
1,1,2,2-Tetrachloroethane	12.2	0.50	µg/L	10.0		122	70-130			
Tetrachloroethylene	12.2	1.0	µg/L	10.0		122	70-130			
Tetrahydrofuran	8.80	10	µg/L	10.0		88.0	70-130			
Toluene	10.7	1.0	µg/L	10.0		107	70-130			
1,2,3-Trichlorobenzene	11.6	5.0	µg/L	10.0		116	70-130			
1,2,4-Trichlorobenzene	11.9	1.0	µg/L	10.0		119	70-130			
1,3,5-Trichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130			
1,1,1-Trichloroethane	10.0	1.0	µg/L	10.0		100	70-130			
1,1,2-Trichloroethane	12.1	1.0	µg/L	10.0		121	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
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Batch B352799 - SW-846 5030B
LCS (B352799-BS1)

Prepared: 09/22/23 Analyzed: 09/25/23

Trichloroethylene	11.1	1.0	µg/L	10.0		111	70-130			
Trichlorofluoromethane (Freon 11)	10.3	2.0	µg/L	10.0		103	70-130			
1,2,3-Trichloropropane	12.0	2.0	µg/L	10.0		120	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	1.0	µg/L	10.0		109	70-130			
1,2,4-Trimethylbenzene	9.94	1.0	µg/L	10.0		99.4	70-130			
1,3,5-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Vinyl Acetate	96.3	20	µg/L	100		96.3	70-130			
Vinyl Chloride	9.88	2.0	µg/L	10.0		98.8	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			
Xylenes (total)	31.7	1.0	µg/L	30.0		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	21.4		µg/L	25.0		85.8	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	26.0		µg/L	25.0		104	70-130			

LCS Dup (B352799-BSD1)

Prepared: 09/22/23 Analyzed: 09/25/23

Acetone	88.8	50	µg/L	100		88.8	70-160	0.576	25	†
Acrylonitrile	9.46	5.0	µg/L	10.0		94.6	70-130	0.632	25	
tert-Amyl Methyl Ether (TAME)	9.58	0.50	µg/L	10.0		95.8	70-130	2.27	25	
Benzene	9.74	1.0	µg/L	10.0		97.4	70-130	0.308	25	
Bromobenzene	10.7	1.0	µg/L	10.0		107	70-130	2.03	25	
Bromochloromethane	10.4	1.0	µg/L	10.0		104	70-130	0.384	25	
Bromodichloromethane	10.8	0.50	µg/L	10.0		108	70-130	0.369	25	
Bromoform	11.1	1.0	µg/L	10.0		111	70-130	0.718	25	
Bromomethane	9.18	2.0	µg/L	10.0		91.8	40-160	11.2	25	V-05 †
2-Butanone (MEK)	90.6	20	µg/L	100		90.6	40-160	2.91	25	†
tert-Butyl Alcohol (TBA)	90.4	20	µg/L	100		90.4	40-160	1.48	25	†
n-Butylbenzene	9.48	1.0	µg/L	10.0		94.8	70-130	0.317	25	
sec-Butylbenzene	9.59	1.0	µg/L	10.0		95.9	70-130	0.418	25	
tert-Butylbenzene	9.80	1.0	µg/L	10.0		98.0	70-130	0.00	25	
tert-Butyl Ethyl Ether (TBEE)	9.48	0.50	µg/L	10.0		94.8	70-130	0.741	25	
Carbon Disulfide	96.6	5.0	µg/L	100		96.6	70-130	0.998	25	
Carbon Tetrachloride	9.37	5.0	µg/L	10.0		93.7	70-130	1.80	25	
Chlorobenzene	11.1	1.0	µg/L	10.0		111	70-130	0.0900	25	
Chlorodibromomethane	11.1	0.50	µg/L	10.0		111	70-130	2.41	25	
Chloroethane	9.39	2.0	µg/L	10.0		93.9	70-130	4.58	25	
Chloroform	9.91	2.0	µg/L	10.0		99.1	70-130	2.04	25	
Chloromethane	8.58	2.0	µg/L	10.0		85.8	40-160	3.80	25	†
2-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130	1.83	25	
4-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130	1.55	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.90	5.0	µg/L	10.0		99.0	70-130	1.83	25	
1,2-Dibromoethane (EDB)	11.8	0.50	µg/L	10.0		118	70-130	2.75	25	
Dibromomethane	11.4	1.0	µg/L	10.0		114	70-130	4.56	25	
1,2-Dichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130	1.24	25	
1,3-Dichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130	0.0915	25	
1,4-Dichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130	0.276	25	
trans-1,4-Dichloro-2-butene	9.14	2.0	µg/L	10.0		91.4	70-130	6.56	25	
Dichlorodifluoromethane (Freon 12)	9.49	2.0	µg/L	10.0		94.9	40-160	1.70	25	†
1,1-Dichloroethane	9.68	1.0	µg/L	10.0		96.8	70-130	2.40	25	
1,2-Dichloroethane	11.0	1.0	µg/L	10.0		110	70-130	2.96	25	
1,1-Dichloroethylene	9.65	1.0	µg/L	10.0		96.5	70-130	0.00	25	
cis-1,2-Dichloroethylene	9.55	1.0	µg/L	10.0		95.5	70-130	0.418	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 B352799 - SW-846 5030B										
LCS Dup (B352799-BSD1)										
Prepared: 09/22/23 Analyzed: 09/25/23										
trans-1,2-Dichloroethylene	9.43	1.0	µg/L	10.0		94.3	70-130	1.47	25	
1,2-Dichloropropane	10.9	1.0	µg/L	10.0		109	70-130	2.19	25	
1,3-Dichloropropane	11.5	0.50	µg/L	10.0		115	70-130	1.38	25	
2,2-Dichloropropane	9.92	1.0	µg/L	10.0		99.2	40-130	0.303	25	†
1,1-Dichloropropene	9.80	2.0	µg/L	10.0		98.0	70-130	2.58	25	
cis-1,3-Dichloropropene	10.9	0.50	µg/L	10.0		109	70-130	0.275	25	
trans-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130	4.72	25	
Diethyl Ether	9.70	2.0	µg/L	10.0		97.0	70-130	0.309	25	
Diisopropyl Ether (DIPE)	9.04	0.50	µg/L	10.0		90.4	70-130	0.881	25	
1,4-Dioxane	92.2	50	µg/L	100		92.2	40-130	1.51	50	† ‡
Ethylbenzene	10.7	1.0	µg/L	10.0		107	70-130	0.838	25	
Hexachlorobutadiene	10.9	0.60	µg/L	10.0		109	70-130	2.08	25	
2-Hexanone (MBK)	105	10	µg/L	100		105	70-160	2.92	25	†
Iodomethane	90.3	20	µg/L	100		90.3	70-130	0.935	25	
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130	1.34	25	
p-Isopropyltoluene (p-Cymene)	9.62	1.0	µg/L	10.0		96.2	70-130	0.828	25	
Methyl Acetate	9.28	1.0	µg/L	10.0		92.8	70-130	0.965	25	
Methyl tert-Butyl Ether (MTBE)	9.60	1.0	µg/L	10.0		96.0	70-130	1.86	25	
Methyl Cyclohexane	10.5	1.0	µg/L	10.0		105	70-130	0.664	25	
Methylene Chloride	8.82	5.0	µg/L	10.0		88.2	70-130	0.227	25	
4-Methyl-2-pentanone (MIBK)	104	10	µg/L	100		104	70-160	3.71	25	†
Naphthalene	10.4	2.0	µg/L	10.0		104	40-130	0.858	25	†
n-Propylbenzene	10.3	1.0	µg/L	10.0		103	70-130	0.966	25	
Styrene	10.9	1.0	µg/L	10.0		109	70-130	1.19	25	
1,1,1,2-Tetrachloroethane	11.2	1.0	µg/L	10.0		112	70-130	0.443	25	
1,1,2,2-Tetrachloroethane	11.7	0.50	µg/L	10.0		117	70-130	3.77	25	
Tetrachloroethylene	12.0	1.0	µg/L	10.0		120	70-130	1.99	25	
Tetrahydrofuran	8.60	10	µg/L	10.0		86.0	70-130	2.30	25	
Toluene	10.7	1.0	µg/L	10.0		107	70-130	0.280	25	
1,2,3-Trichlorobenzene	11.5	5.0	µg/L	10.0		115	70-130	1.21	25	
1,2,4-Trichlorobenzene	11.6	1.0	µg/L	10.0		116	70-130	2.21	25	
1,3,5-Trichlorobenzene	11.1	1.0	µg/L	10.0		111	70-130	0.996	25	
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	2.08	25	
1,1,2-Trichloroethane	11.9	1.0	µg/L	10.0		119	70-130	1.33	25	
Trichloroethylene	11.2	1.0	µg/L	10.0		112	70-130	0.984	25	
Trichlorofluoromethane (Freon 11)	9.68	2.0	µg/L	10.0		96.8	70-130	6.59	25	
1,2,3-Trichloropropane	11.8	2.0	µg/L	10.0		118	70-130	1.60	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	1.0	µg/L	10.0		109	70-130	0.184	25	
1,2,4-Trimethylbenzene	9.96	1.0	µg/L	10.0		99.6	70-130	0.201	25	
1,3,5-Trimethylbenzene	10.4	1.0	µg/L	10.0		104	70-130	1.34	25	
Vinyl Acetate	96.7	20	µg/L	100		96.7	70-130	0.425	25	
Vinyl Chloride	10.0	2.0	µg/L	10.0		100	40-160	1.21	25	†
m+p Xylene	20.7	2.0	µg/L	20.0		104	70-130	1.44	25	
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130	1.51	25	
Xylenes (total)	31.2	1.0	µg/L	30.0		104	70-130	1.46	25	
Surrogate: 1,2-Dichloroethane-d4	22.6		µg/L	25.0		90.2	70-130			
Surrogate: Toluene-d8	25.6		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	25.7		µg/L	25.0		103	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**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.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
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
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

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
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
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
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023



PAGE 1 **OF** 1

Lab Job #

- ☐ Commercial 'A' (Level 1) = Results Only
- ☐ Commercial 'B' (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☒ EDD Format compatible with most recent DEC format
- ☐ Other

Table of Contents

	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client GESProject TonawandaMCP/RCP Required NIADeliverable Package Requirement NIALocation 126 E Niagara St, Tonawanda, NYPWSID# (When Applicable) NIA

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐Received By / Date / Time AAM / 9-21-23 / 0914Back-Sheet By / Date / Time AAM / 9-21-23 / 1125Temperature Method Temp. Gun # 5Temp ☒ < 6°C Actual Temperature 1.9°CRush Samples: Yes / ☒ No / Notify ☐Short Hold: Yes / ☒ No / Notify ☐

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

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐
COC Included: (Check all included)		
Client ☒	Analysis ☒	Sampler Name ☒
Project ☒	IDs ☒	Collection Date/Time ☒
All Samples Proper pH: ☒ N/A	☐	☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Notes regarding Samples/COC outside of SOP:

Qualtrax ID: 120836

Page 2 of 2

Sample	Soils Jars (Circle Amb/Clear)				Ambers						Plastics								VOA Vials					Other / Fill in				
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	1 Liter		250mL		100mL	1 Liter		500mL	250mL					Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact					
1					Unpreserved																							
2																												
3																												
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DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

QUALTRAX SERVICES

Pace

October 26, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 126 E. Niagara St, Tonawanda, NY
Client Job Number:
Project Number: 915171
Laboratory Work Order Number: 23J2721
PWSID# 977603

Enclosed are results of analyses for samples as received by the laboratory on October 19, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 10/26/2023

PURCHASE ORDER NUMBER: 147643

PROJECT NUMBER: 915171

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23J2721

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

PROJECT LOCATION: 126 E. Niagara St, Tonawanda, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Post Carbon 2	23J2721-01	Ground Water		SW-846 8260D	
Pre-Carbon	23J2721-02	Ground Water		SW-846 8260D	
Outside Sump	23J2721-03	Ground Water		SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

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

SW-846 8260D

Qualifications:**E**

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:**Benzene**

23J2721-03[Outside Sump]

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23J2721-02[Pre-Carbon], 23J2721-03[Outside Sump]

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:**Acetone**

B356188-BLK1, B356188-BS1, B356188-BSD1, S095416-CCV1

Chloromethane

23J2721-01[Post Carbon 2], 23J2721-02[Pre-Carbon], 23J2721-03[Outside Sump], B356078-BLK1, B356078-BS1, B356078-BSD1, B356188-BLK1, B356188-BS1, B356188-BSD1, S095388-CCV1, S095416-CCV1

Ethanol

B356078-BLK1, B356078-BS1, B356078-BSD1, S095388-CCV1

trans-1,4-Dichloro-2-butene

23J2721-01[Post Carbon 2], 23J2721-02[Pre-Carbon], 23J2721-03[Outside Sump], B356078-BLK1, B356078-BS1, B356078-BSD1, S095388-CCV1

Vinyl Chloride

23J2721-01[Post Carbon 2], 23J2721-02[Pre-Carbon], 23J2721-03[Outside Sump], B356078-BLK1, B356078-BS1, B356078-BSD1, B356188-BLK1, B356188-BS1, B356188-BSD1, S095388-CCV1, S095416-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:**Bromochloromethane**

B356188-BS1, B356188-BSD1, S095416-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**

23J2721-01[Post Carbon 2], 23J2721-02[Pre-Carbon], 23J2721-03[Outside Sump], B356078-BLK1, B356078-BS1, B356078-BSD1, B356188-BLK1, B356188-BS1, B356188-BSD1, S095388-CCV1, S095416-CCV1

Chloromethane

23J2721-01[Post Carbon 2], 23J2721-02[Pre-Carbon], 23J2721-03[Outside Sump], B356078-BLK1, B356078-BS1, B356078-BSD1, B356188-BLK1, B356188-BS1, B356188-BSD1, S095388-CCV1, S095416-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:**Acetone**

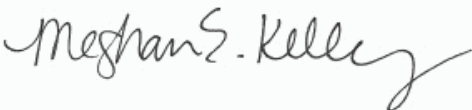
B356078-BS1, B356078-BSD1, B356188-BS1, B356188-BSD1, S095388-CCV1, S095416-CCV1

Carbon Disulfide

B356078-BS1, B356078-BSD1, B356188-BS1, B356188-BSD1, S095388-CCV1, S095416-CCV1

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.



Meghan E. Kelley
Reporting Specialist

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

Project Location: 126 E. Niagara St, Tonawanda, N

Sample Description:

Work Order: 23J2721

Date Received: 10/19/2023

Field Sample #: Post Carbon 2

Sampled: 10/17/2023 15:35

Sample ID: 23J2721-01

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		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Bromomethane	ND	2.0	µg/L	1	V-34	SW-846 8260D	10/24/23	10/24/23 22:36	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Chloromethane	ND	2.0	µg/L	1	V-05, V-34	SW-846 8260D	10/24/23	10/24/23 22:36	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH

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

Project Location: 126 E. Niagara St, Tonawanda, N

Sample Description:

Work Order: 23J2721

Date Received: 10/19/2023

Field Sample #: Post Carbon 2

Sampled: 10/17/2023 15:35

Sample ID: 23J2721-01

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	10/24/23	10/24/23 22:36	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Vinyl Chloride	ND	2.0	µg/L	1	V-05	SW-846 8260D	10/24/23	10/24/23 22:36	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	10/24/23	10/24/23 22:36	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	93.2	70-130							
Toluene-d8	105	70-130							
4-Bromofluorobenzene	108	70-130							

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

Project Location: 126 E. Niagara St, Tonawanda, N

Sample Description:

Work Order: 23J2721

Date Received: 10/19/2023

Field Sample #: Pre-Carbon

Sampled: 10/17/2023 15:40

Sample ID: 23J2721-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	1000	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Acrylonitrile	ND	100	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
tert-Amyl Methyl Ether (TAME)	ND	10	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Benzene	3100	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Bromobenzene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Bromochloromethane	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Bromodichloromethane	ND	10	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Bromoform	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Bromomethane	ND	40	µg/L	20	V-34	SW-846 8260D	10/24/23	10/25/23 6:24	EEH
2-Butanone (MEK)	ND	400	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
tert-Butyl Alcohol (TBA)	ND	400	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
n-Butylbenzene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
sec-Butylbenzene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
tert-Butylbenzene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	10	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Carbon Disulfide	ND	100	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Carbon Tetrachloride	ND	100	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Chlorobenzene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Chlorodibromomethane	ND	10	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Chloroethane	ND	40	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Chloroform	ND	40	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Chloromethane	ND	40	µg/L	20	V-05, V-34	SW-846 8260D	10/24/23	10/25/23 6:24	EEH
2-Chlorotoluene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
4-Chlorotoluene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,2-Dibromoethane (EDB)	ND	10	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Dibromomethane	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,2-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,3-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,4-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
trans-1,4-Dichloro-2-butene	ND	40	µg/L	20	V-05	SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Dichlorodifluoromethane (Freon 12)	ND	40	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,1-Dichloroethane	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,2-Dichloroethane	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,1-Dichloroethylene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
cis-1,2-Dichloroethylene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
trans-1,2-Dichloroethylene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,2-Dichloropropane	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,3-Dichloropropane	ND	10	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
2,2-Dichloropropane	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,1-Dichloropropene	ND	40	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
cis-1,3-Dichloropropene	ND	10	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
trans-1,3-Dichloropropene	ND	10	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Diethyl Ether	ND	40	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH

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

Project Location: 126 E. Niagara St, Tonawanda, N

Sample Description:

Work Order: 23J2721

Date Received: 10/19/2023

Field Sample #: Pre-Carbon

Sampled: 10/17/2023 15:40

Sample ID: 23J2721-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	10	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,4-Dioxane	ND	1000	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Ethylbenzene	36	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Hexachlorobutadiene	ND	12	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
2-Hexanone (MBK)	ND	200	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Isopropylbenzene (Cumene)	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
p-Isopropyltoluene (p-Cymene)	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Methyl Acetate	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Methyl tert-Butyl Ether (MTBE)	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Methyl Cyclohexane	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Methylene Chloride	ND	100	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
4-Methyl-2-pentanone (MIBK)	ND	200	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Naphthalene	100	40	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
n-Propylbenzene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Styrene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,1,1,2-Tetrachloroethane	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,1,2,2-Tetrachloroethane	ND	10	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Tetrachloroethylene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Tetrahydrofuran	ND	200	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Toluene	270	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,2,3-Trichlorobenzene	ND	100	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,2,4-Trichlorobenzene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,3,5-Trichlorobenzene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,1,1-Trichloroethane	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,1,2-Trichloroethane	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Trichloroethylene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Trichlorofluoromethane (Freon 11)	ND	40	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,2,3-Trichloropropane	ND	40	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,2,4-Trimethylbenzene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
1,3,5-Trimethylbenzene	ND	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Vinyl Chloride	ND	40	µg/L	20	V-05	SW-846 8260D	10/24/23	10/25/23 6:24	EEH
m+p Xylene	74	40	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
o-Xylene	59	20	µg/L	20		SW-846 8260D	10/24/23	10/25/23 6:24	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	94.8	70-130							
Toluene-d8	104	70-130							
4-Bromofluorobenzene	107	70-130							

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

Project Location: 126 E. Niagara St, Tonawanda, N

Sample Description:

Work Order: 23J2721

Date Received: 10/19/2023

Field Sample #: Outside Sump

Sampled: 10/17/2023 15:45

Sample ID: 23J2721-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	1200	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Acrylonitrile	ND	120	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
tert-Amyl Methyl Ether (TAME)	ND	12	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Benzene	5500	25	µg/L	25	E	SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Benzene	5800	500	µg/L	500		SW-846 8260D	10/25/23	10/26/23 7:12	EEH
Bromobenzene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Bromochloromethane	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Bromodichloromethane	ND	12	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Bromoform	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Bromomethane	ND	50	µg/L	25	V-34	SW-846 8260D	10/24/23	10/25/23 6:51	EEH
2-Butanone (MEK)	ND	500	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
tert-Butyl Alcohol (TBA)	ND	500	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
n-Butylbenzene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
sec-Butylbenzene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
tert-Butylbenzene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	12	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Carbon Disulfide	ND	120	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Carbon Tetrachloride	ND	120	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Chlorobenzene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Chlorodibromomethane	ND	12	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Chloroethane	ND	50	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Chloroform	ND	50	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Chloromethane	ND	50	µg/L	25	V-05, V-34	SW-846 8260D	10/24/23	10/25/23 6:51	EEH
2-Chlorotoluene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
4-Chlorotoluene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	120	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,2-Dibromoethane (EDB)	ND	12	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Dibromomethane	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,2-Dichlorobenzene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,3-Dichlorobenzene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,4-Dichlorobenzene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
trans-1,4-Dichloro-2-butene	ND	50	µg/L	25	V-05	SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Dichlorodifluoromethane (Freon 12)	ND	50	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,1-Dichloroethane	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,2-Dichloroethane	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,1-Dichloroethylene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
cis-1,2-Dichloroethylene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
trans-1,2-Dichloroethylene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,2-Dichloropropane	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,3-Dichloropropane	ND	12	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
2,2-Dichloropropane	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,1-Dichloropropene	ND	50	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
cis-1,3-Dichloropropene	ND	12	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
trans-1,3-Dichloropropene	ND	12	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH

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

Project Location: 126 E. Niagara St, Tonawanda, N

Sample Description:

Work Order: 23J2721

Date Received: 10/19/2023

Field Sample #: Outside Sump

Sampled: 10/17/2023 15:45

Sample ID: 23J2721-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diethyl Ether	ND	50	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Diisopropyl Ether (DIPE)	ND	12	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,4-Dioxane	ND	1200	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Ethylbenzene	320	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Hexachlorobutadiene	ND	15	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
2-Hexanone (MBK)	ND	250	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Isopropylbenzene (Cumene)	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
p-Isopropyltoluene (p-Cymene)	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Methyl Acetate	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Methyl tert-Butyl Ether (MTBE)	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Methyl Cyclohexane	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Methylene Chloride	ND	120	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
4-Methyl-2-pentanone (MIBK)	ND	250	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Naphthalene	460	50	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
n-Propylbenzene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Styrene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,1,1,2-Tetrachloroethane	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,1,2,2-Tetrachloroethane	ND	12	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Tetrachloroethylene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Tetrahydrofuran	ND	250	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Toluene	650	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,2,3-Trichlorobenzene	ND	120	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,2,4-Trichlorobenzene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,3,5-Trichlorobenzene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,1,1-Trichloroethane	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,1,2-Trichloroethane	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Trichloroethylene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Trichlorofluoromethane (Freon 11)	ND	50	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,2,3-Trichloropropane	ND	50	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,2,4-Trimethylbenzene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
1,3,5-Trimethylbenzene	ND	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
Vinyl Chloride	ND	50	µg/L	25	V-05	SW-846 8260D	10/24/23	10/25/23 6:51	EEH
m+p Xylene	130	50	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH
o-Xylene	76	25	µg/L	25		SW-846 8260D	10/24/23	10/25/23 6:51	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	91.2	70-130	
1,2-Dichloroethane-d4	94.3	70-130	
Toluene-d8	105	70-130	
Toluene-d8	105	70-130	
4-Bromofluorobenzene	108	70-130	
4-Bromofluorobenzene	105	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method:SW-846 5030B Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23J2721-01 [Post Carbon 2]	B356078	5	5.00	10/24/23
23J2721-02 [Pre-Carbon]	B356078	0.25	5.00	10/24/23
23J2721-03 [Outside Sump]	B356078	0.2	5.00	10/24/23

Prep Method:SW-846 5030B Analytical Method:SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23J2721-03RE1 [Outside Sump]	B356188	0.01	5.00	10/25/23

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

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 B356078 - SW-846 5030B										
Blank (B356078-BLK1)				Prepared & Analyzed: 10/24/23						
Acetone	ND	50	µg/L							
Acrolein	ND	10	µg/L							
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							V-34
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
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							V-05, V-34
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
Cyclohexane	ND	5.0	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							V-05
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							
Dichlorofluoromethane (Freon 21)	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							
Difluorochloromethane (Freon 22)	ND	1.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethanol	ND	50	µg/L							V-05
Ethyl Acetate	ND	10	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
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Batch B356078 - SW-846 5030B
Blank (B356078-BLK1)

Prepared & Analyzed: 10/24/23

Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Iodomethane	ND	20	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							
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							
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							
1,2,3-Trimethylbenzene	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Acetate	ND	20	µg/L							
Vinyl Chloride	ND	2.0	µg/L							V-05
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.3		µg/L	25.0		93.2	70-130			
Surrogate: Toluene-d8	26.1		µg/L	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	26.7		µg/L	25.0		107	70-130			

LCS (B356078-BS1)

Prepared & Analyzed: 10/24/23

Acetone	82.7	50	µg/L	100		82.7	70-160		V-35	†
Acrolein	100	10	µg/L	100		100	70-130			
Acrylonitrile	8.83	5.0	µg/L	10.0		88.3	70-130			
tert-Amyl Methyl Ether (TAME)	11.5	0.50	µg/L	10.0		115	70-130			
Benzene	11.4	1.0	µg/L	10.0		114	70-130			
Bromobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Bromochloromethane	11.8	1.0	µg/L	10.0		118	70-130			
Bromodichloromethane	11.0	0.50	µg/L	10.0		110	70-130			
Bromoform	9.31	1.0	µg/L	10.0		93.1	70-130			
Bromomethane	10.6	2.0	µg/L	10.0		106	40-160		V-34	†
2-Butanone (MEK)	109	20	µg/L	100		109	40-160			†
tert-Butyl Alcohol (TBA)	91.6	20	µg/L	100		91.6	40-160			†

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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 B356078 - SW-846 5030B										
LCS (B356078-BS1)				Prepared & Analyzed: 10/24/23						
n-Butylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130			
sec-Butylbenzene	9.73	1.0	µg/L	10.0		97.3	70-130			
tert-Butylbenzene	9.46	1.0	µg/L	10.0		94.6	70-130			
tert-Butyl Ethyl Ether (TBEE)	11.6	0.50	µg/L	10.0		116	70-130			
Carbon Disulfide	104	5.0	µg/L	100		104	70-130			V-35
Carbon Tetrachloride	11.4	5.0	µg/L	10.0		114	70-130			
Chlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
Chlorodibromomethane	10.3	0.50	µg/L	10.0		103	70-130			
Chloroethane	12.0	2.0	µg/L	10.0		120	70-130			
Chloroform	10.2	2.0	µg/L	10.0		102	70-130			
Chloromethane	7.12	2.0	µg/L	10.0		71.2	40-160			V-05, V-34 †
2-Chlorotoluene	9.49	1.0	µg/L	10.0		94.9	70-130			
4-Chlorotoluene	10.7	1.0	µg/L	10.0		107	70-130			
Cyclohexane	11.6	5.0	µg/L	10.0		116	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.21	5.0	µg/L	10.0		92.1	70-130			
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109	70-130			
Dibromomethane	10.4	1.0	µg/L	10.0		104	70-130			
1,2-Dichlorobenzene	9.47	1.0	µg/L	10.0		94.7	70-130			
1,3-Dichlorobenzene	9.56	1.0	µg/L	10.0		95.6	70-130			
1,4-Dichlorobenzene	9.39	1.0	µg/L	10.0		93.9	70-130			
trans-1,4-Dichloro-2-butene	7.89	2.0	µg/L	10.0		78.9	70-130			V-05
Dichlorodifluoromethane (Freon 12)	9.91	2.0	µg/L	10.0		99.1	40-160			†
1,1-Dichloroethane	11.0	1.0	µg/L	10.0		110	70-130			
1,2-Dichloroethane	9.11	1.0	µg/L	10.0		91.1	70-130			
1,1-Dichloroethylene	8.44	1.0	µg/L	10.0		84.4	70-130			
cis-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130			
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
Dichlorofluoromethane (Freon 21)	9.12	1.0	µg/L	10.0		91.2	70-130			
1,2-Dichloropropane	11.2	1.0	µg/L	10.0		112	70-130			
1,3-Dichloropropane	11.1	0.50	µg/L	10.0		111	70-130			
2,2-Dichloropropane	10.0	1.0	µg/L	10.0		100	40-130			†
1,1-Dichloropropene	10.8	2.0	µg/L	10.0		108	70-130			
cis-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130			
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130			
Diethyl Ether	9.70	2.0	µg/L	10.0		97.0	70-130			
Difluorochloromethane (Freon 22)	10.1	1.0	µg/L	10.0		101	70-130			
Diisopropyl Ether (DIPE)	11.4	0.50	µg/L	10.0		114	70-130			
1,4-Dioxane	117	50	µg/L	100		117	40-130			†
Ethanol	58.2	50	µg/L	100		58.2	40-160			V-05
Ethyl Acetate	10.1	10	µg/L	10.0		101	70-130			
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
Hexachlorobutadiene	10.1	0.60	µg/L	10.0		101	70-130			
2-Hexanone (MBK)	114	10	µg/L	100		114	70-160			†
Iodomethane	106	20	µg/L	100		106	70-130			
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130			
p-Isopropyltoluene (p-Cymene)	9.84	1.0	µg/L	10.0		98.4	70-130			
Methyl Acetate	10.8	1.0	µg/L	10.0		108	70-130			
Methyl tert-Butyl Ether (MTBE)	11.6	1.0	µg/L	10.0		116	70-130			
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130			
Methylene Chloride	9.03	5.0	µg/L	10.0		90.3	70-130			
4-Methyl-2-pentanone (MIBK)	114	10	µg/L	100		114	70-160			†
Naphthalene	10.4	2.0	µg/L	10.0		104	40-130			†

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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 B356078 - SW-846 5030B										
LCS (B356078-BS1)										
Prepared & Analyzed: 10/24/23										
n-Propylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Styrene	10.3	1.0	µg/L	10.0		103	70-130			
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102	70-130			
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130			
Tetrachloroethylene	9.96	1.0	µg/L	10.0		99.6	70-130			
Tetrahydrofuran	10.2	10	µg/L	10.0		102	70-130			
Toluene	10.7	1.0	µg/L	10.0		107	70-130			
1,2,3-Trichlorobenzene	9.68	5.0	µg/L	10.0		96.8	70-130			
1,2,4-Trichlorobenzene	9.20	1.0	µg/L	10.0		92.0	70-130			
1,3,5-Trichlorobenzene	9.50	1.0	µg/L	10.0		95.0	70-130			
1,1,1-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
1,1,2-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130			
Trichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Trichlorofluoromethane (Freon 11)	9.19	2.0	µg/L	10.0		91.9	70-130			
1,2,3-Trichloropropane	10.2	2.0	µg/L	10.0		102	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.29	1.0	µg/L	10.0		92.9	70-130			
1,2,3-Trimethylbenzene	9.60	0.50	µg/L	10.0		96.0	70-130			
1,2,4-Trimethylbenzene	9.73	1.0	µg/L	10.0		97.3	70-130			
1,3,5-Trimethylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
Vinyl Acetate	109	20	µg/L	100		109	70-130			
Vinyl Chloride	6.56	2.0	µg/L	10.0		65.6	40-160			V-05 †
m+p Xylene	20.3	2.0	µg/L	20.0		102	70-130			
o-Xylene	10.4	1.0	µg/L	10.0		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	24.1		µg/L	25.0		96.5	70-130			
Surrogate: Toluene-d8	26.2		µg/L	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	27.1		µg/L	25.0		108	70-130			
LCS Dup (B356078-BSD1)										
Prepared & Analyzed: 10/24/23										
Acetone	78.2	50	µg/L	100		78.2	70-160	5.60	25	V-35 †
Acrolein	96.0	10	µg/L	100		96.0	70-130	4.08	25	
Acrylonitrile	8.54	5.0	µg/L	10.0		85.4	70-130	3.34	25	
tert-Amyl Methyl Ether (TAME)	11.2	0.50	µg/L	10.0		112	70-130	3.17	25	
Benzene	10.9	1.0	µg/L	10.0		109	70-130	5.02	25	
Bromobenzene	10.2	1.0	µg/L	10.0		102	70-130	3.84	25	
Bromochloromethane	11.6	1.0	µg/L	10.0		116	70-130	2.22	25	
Bromodichloromethane	10.0	0.50	µg/L	10.0		100	70-130	9.16	25	
Bromoform	8.69	1.0	µg/L	10.0		86.9	70-130	6.89	25	
Bromomethane	9.82	2.0	µg/L	10.0		98.2	40-160	7.26	25	V-34 †
2-Butanone (MEK)	99.9	20	µg/L	100		99.9	40-160	9.11	25	†
tert-Butyl Alcohol (TBA)	87.8	20	µg/L	100		87.8	40-160	4.29	25	†
n-Butylbenzene	9.57	1.0	µg/L	10.0		95.7	70-130	3.59	25	
sec-Butylbenzene	9.57	1.0	µg/L	10.0		95.7	70-130	1.66	25	
tert-Butylbenzene	9.28	1.0	µg/L	10.0		92.8	70-130	1.92	25	
tert-Butyl Ethyl Ether (TBEE)	11.2	0.50	µg/L	10.0		112	70-130	2.99	25	
Carbon Disulfide	99.4	5.0	µg/L	100		99.4	70-130	4.03	25	V-35
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130	5.21	25	
Chlorobenzene	9.62	1.0	µg/L	10.0		96.2	70-130	4.57	25	
Chlorodibromomethane	10.1	0.50	µg/L	10.0		101	70-130	2.16	25	
Chloroethane	10.9	2.0	µg/L	10.0		109	70-130	10.0	25	
Chloroform	9.99	2.0	µg/L	10.0		99.9	70-130	2.08	25	
Chloromethane	5.97	2.0	µg/L	10.0		59.7	40-160	17.6	25	V-05, V-34 †
2-Chlorotoluene	8.82	1.0	µg/L	10.0		88.2	70-130	7.32	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 B356078 - SW-846 5030B										
LCS Dup (B356078-BSD1)				Prepared & Analyzed: 10/24/23						
4-Chlorotoluene	10.0	1.0	µg/L	10.0		100	70-130	6.36	25	
Cyclohexane	11.1	5.0	µg/L	10.0		111	70-130	4.94	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.55	5.0	µg/L	10.0		85.5	70-130	7.43	25	
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130	1.29	25	
Dibromomethane	10.2	1.0	µg/L	10.0		102	70-130	1.94	25	
1,2-Dichlorobenzene	9.20	1.0	µg/L	10.0		92.0	70-130	2.89	25	
1,3-Dichlorobenzene	9.36	1.0	µg/L	10.0		93.6	70-130	2.11	25	
1,4-Dichlorobenzene	8.97	1.0	µg/L	10.0		89.7	70-130	4.58	25	
trans-1,4-Dichloro-2-butene	7.04	2.0	µg/L	10.0		70.4	70-130	11.4	25	V-05
Dichlorodifluoromethane (Freon 12)	9.30	2.0	µg/L	10.0		93.0	40-160	6.35	25	†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130	4.66	25	
1,2-Dichloroethane	8.92	1.0	µg/L	10.0		89.2	70-130	2.11	25	
1,1-Dichloroethylene	8.17	1.0	µg/L	10.0		81.7	70-130	3.25	25	
cis-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	4.35	25	
trans-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	0.787	25	
Dichlorofluoromethane (Freon 21)	8.43	1.0	µg/L	10.0		84.3	70-130	7.86	25	
1,2-Dichloropropane	10.7	1.0	µg/L	10.0		107	70-130	4.84	25	
1,3-Dichloropropane	10.9	0.50	µg/L	10.0		109	70-130	2.00	25	
2,2-Dichloropropane	9.56	1.0	µg/L	10.0		95.6	40-130	4.80	25	†
1,1-Dichloropropene	10.3	2.0	µg/L	10.0		103	70-130	5.11	25	
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	5.98	25	
trans-1,3-Dichloropropene	9.84	0.50	µg/L	10.0		98.4	70-130	3.69	25	
Diethyl Ether	9.45	2.0	µg/L	10.0		94.5	70-130	2.61	25	
Difluorochloromethane (Freon 22)	9.26	1.0	µg/L	10.0		92.6	70-130	9.07	25	
Diisopropyl Ether (DIPE)	11.1	0.50	µg/L	10.0		111	70-130	2.14	25	
1,4-Dioxane	111	50	µg/L	100		111	40-130	5.21	50	† ‡
Ethanol	60.0	50	µg/L	100		60.0	40-160	3.11	25	V-05
Ethyl Acetate	10.2	10	µg/L	10.0		102	70-130	0.591	25	
Ethylbenzene	9.64	1.0	µg/L	10.0		96.4	70-130	5.74	25	
Hexachlorobutadiene	9.87	0.60	µg/L	10.0		98.7	70-130	2.11	25	
2-Hexanone (MBK)	106	10	µg/L	100		106	70-160	7.24	25	†
Iodomethane	98.8	20	µg/L	100		98.8	70-130	6.93	25	
Isopropylbenzene (Cumene)	9.66	1.0	µg/L	10.0		96.6	70-130	5.24	25	
p-Isopropyltoluene (p-Cymene)	9.51	1.0	µg/L	10.0		95.1	70-130	3.41	25	
Methyl Acetate	10.3	1.0	µg/L	10.0		103	70-130	4.56	25	
Methyl tert-Butyl Ether (MTBE)	11.1	1.0	µg/L	10.0		111	70-130	4.06	25	
Methyl Cyclohexane	9.88	1.0	µg/L	10.0		98.8	70-130	7.31	25	
Methylene Chloride	8.65	5.0	µg/L	10.0		86.5	70-130	4.30	25	
4-Methyl-2-pentanone (MIBK)	109	10	µg/L	100		109	70-160	4.61	25	†
Naphthalene	9.69	2.0	µg/L	10.0		96.9	40-130	7.26	25	†
n-Propylbenzene	9.88	1.0	µg/L	10.0		98.8	70-130	6.75	25	
Styrene	9.97	1.0	µg/L	10.0		99.7	70-130	3.55	25	
1,1,1,2-Tetrachloroethane	9.62	1.0	µg/L	10.0		96.2	70-130	6.24	25	
1,1,2,2-Tetrachloroethane	9.67	0.50	µg/L	10.0		96.7	70-130	5.33	25	
Tetrachloroethylene	9.67	1.0	µg/L	10.0		96.7	70-130	2.95	25	
Tetrahydrofuran	10.7	10	µg/L	10.0		107	70-130	5.46	25	
Toluene	10.1	1.0	µg/L	10.0		101	70-130	5.10	25	
1,2,3-Trichlorobenzene	8.91	5.0	µg/L	10.0		89.1	70-130	8.28	25	
1,2,4-Trichlorobenzene	8.67	1.0	µg/L	10.0		86.7	70-130	5.93	25	
1,3,5-Trichlorobenzene	8.95	1.0	µg/L	10.0		89.5	70-130	5.96	25	
1,1,1-Trichloroethane	9.76	1.0	µg/L	10.0		97.6	70-130	3.32	25	
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	3.79	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
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Batch B356078 - SW-846 5030B
LCS Dup (B356078-BSD1)

Prepared & Analyzed: 10/24/23

Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	0.193	25	
Trichlorofluoromethane (Freon 11)	8.85	2.0	µg/L	10.0		88.5	70-130	3.77	25	
1,2,3-Trichloropropane	9.95	2.0	µg/L	10.0		99.5	70-130	2.78	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.94	1.0	µg/L	10.0		89.4	70-130	3.84	25	
1,2,3-Trimethylbenzene	9.54	0.50	µg/L	10.0		95.4	70-130	0.627	25	
1,2,4-Trimethylbenzene	9.67	1.0	µg/L	10.0		96.7	70-130	0.619	25	
1,3,5-Trimethylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130	5.01	25	
Vinyl Acetate	105	20	µg/L	100		105	70-130	3.50	25	
Vinyl Chloride	6.53	2.0	µg/L	10.0		65.3	40-160	0.458	25	V-05 †
m+p Xylene	19.3	2.0	µg/L	20.0		96.3	70-130	5.36	25	
o-Xylene	9.81	1.0	µg/L	10.0		98.1	70-130	5.93	25	
Surrogate: 1,2-Dichloroethane-d4	23.7		µg/L	25.0		94.8	70-130			
Surrogate: Toluene-d8	26.2		µg/L	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	26.6		µg/L	25.0		106	70-130			

Batch B356188 - SW-846 5030B
Blank (B356188-BLK1)

Prepared & Analyzed: 10/25/23

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							V-34
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
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							V-05, V-34
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							

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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 B356188 - SW-846 5030B										
Blank (B356188-BLK1)				Prepared & Analyzed: 10/25/23						
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							
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							
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							
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							V-05
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.4		µg/L	25.0		93.4	70-130			
Surrogate: Toluene-d8	26.3		µg/L	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	26.4		µg/L	25.0		106	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 B356188 - SW-846 5030B										
LCS (B356188-BS1)				Prepared & Analyzed: 10/25/23						
Acetone	80.2	50	µg/L	100		80.2	70-160			V-05, V-35 †
Acrylonitrile	8.56	5.0	µg/L	10.0		85.6	70-130			
tert-Amyl Methyl Ether (TAME)	11.2	0.50	µg/L	10.0		112	70-130			
Benzene	11.4	1.0	µg/L	10.0		114	70-130			
Bromobenzene	10.8	1.0	µg/L	10.0		108	70-130			
Bromochloromethane	12.5	1.0	µg/L	10.0		125	70-130			V-20
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130			
Bromoform	9.37	1.0	µg/L	10.0		93.7	70-130			
Bromomethane	9.79	2.0	µg/L	10.0		97.9	40-160			V-34 †
2-Butanone (MEK)	102	20	µg/L	100		102	40-160			†
tert-Butyl Alcohol (TBA)	87.0	20	µg/L	100		87.0	40-160			†
n-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
sec-Butylbenzene	9.90	1.0	µg/L	10.0		99.0	70-130			
tert-Butylbenzene	9.78	1.0	µg/L	10.0		97.8	70-130			
tert-Butyl Ethyl Ether (TBEE)	11.5	0.50	µg/L	10.0		115	70-130			
Carbon Disulfide	106	5.0	µg/L	100		106	70-130			V-35
Carbon Tetrachloride	11.8	5.0	µg/L	10.0		118	70-130			
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	70-130			
Chloroethane	11.7	2.0	µg/L	10.0		117	70-130			
Chloroform	10.5	2.0	µg/L	10.0		105	70-130			
Chloromethane	5.35	2.0	µg/L	10.0		53.5	40-160			V-05, V-34 †
2-Chlorotoluene	9.85	1.0	µg/L	10.0		98.5	70-130			
4-Chlorotoluene	11.0	1.0	µg/L	10.0		110	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.37	5.0	µg/L	10.0		93.7	70-130			
1,2-Dibromoethane (EDB)	11.1	0.50	µg/L	10.0		111	70-130			
Dibromomethane	10.7	1.0	µg/L	10.0		107	70-130			
1,2-Dichlorobenzene	9.70	1.0	µg/L	10.0		97.0	70-130			
1,3-Dichlorobenzene	9.97	1.0	µg/L	10.0		99.7	70-130			
1,4-Dichlorobenzene	9.58	1.0	µg/L	10.0		95.8	70-130			
trans-1,4-Dichloro-2-butene	8.62	2.0	µg/L	10.0		86.2	70-130			
Dichlorodifluoromethane (Freon 12)	10.4	2.0	µg/L	10.0		104	40-160			†
1,1-Dichloroethane	11.1	1.0	µg/L	10.0		111	70-130			
1,2-Dichloroethane	9.50	1.0	µg/L	10.0		95.0	70-130			
1,1-Dichloroethylene	8.55	1.0	µg/L	10.0		85.5	70-130			
cis-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
trans-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
1,2-Dichloropropane	11.0	1.0	µg/L	10.0		110	70-130			
1,3-Dichloropropane	11.2	0.50	µg/L	10.0		112	70-130			
2,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	40-130			†
1,1-Dichloropropene	11.0	2.0	µg/L	10.0		110	70-130			
cis-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130			
trans-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130			
Diethyl Ether	9.46	2.0	µg/L	10.0		94.6	70-130			
Diisopropyl Ether (DIPE)	11.3	0.50	µg/L	10.0		113	70-130			
1,4-Dioxane	106	50	µg/L	100		106	40-130			†
Ethylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
Hexachlorobutadiene	10.5	0.60	µg/L	10.0		105	70-130			
2-Hexanone (MBK)	109	10	µg/L	100		109	70-160			†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103	70-130			
p-Isopropyltoluene (p-Cymene)	9.99	1.0	µg/L	10.0		99.9	70-130			
Methyl Acetate	9.92	1.0	µg/L	10.0		99.2	70-130			

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

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
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Batch B356188 - SW-846 5030B
LCS (B356188-BS1)

Prepared & Analyzed: 10/25/23

Methyl tert-Butyl Ether (MTBE)	11.3	1.0	µg/L	10.0		113	70-130			
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130			
Methylene Chloride	8.85	5.0	µg/L	10.0		88.5	70-130			
4-Methyl-2-pentanone (MIBK)	111	10	µg/L	100		111	70-160			†
Naphthalene	9.22	2.0	µg/L	10.0		92.2	40-130			†
n-Propylbenzene	10.7	1.0	µg/L	10.0		107	70-130			
Styrene	10.3	1.0	µg/L	10.0		103	70-130			
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102	70-130			
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130			
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Tetrahydrofuran	9.58	10	µg/L	10.0		95.8	70-130			
Toluene	10.8	1.0	µg/L	10.0		108	70-130			
1,2,3-Trichlorobenzene	9.19	5.0	µg/L	10.0		91.9	70-130			
1,2,4-Trichlorobenzene	8.98	1.0	µg/L	10.0		89.8	70-130			
1,3,5-Trichlorobenzene	9.40	1.0	µg/L	10.0		94.0	70-130			
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
1,1,2-Trichloroethane	11.1	1.0	µg/L	10.0		111	70-130			
Trichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Trichlorofluoromethane (Freon 11)	9.57	2.0	µg/L	10.0		95.7	70-130			
1,2,3-Trichloropropane	10.3	2.0	µg/L	10.0		103	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.57	1.0	µg/L	10.0		95.7	70-130			
1,2,4-Trimethylbenzene	9.99	1.0	µg/L	10.0		99.9	70-130			
1,3,5-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Vinyl Chloride	6.57	2.0	µg/L	10.0		65.7	40-160			V-05 †
m+p Xylene	20.6	2.0	µg/L	20.0		103	70-130			
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	24.0		µg/L	25.0		95.9	70-130			
Surrogate: Toluene-d8	26.1		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	27.3		µg/L	25.0		109	70-130			

LCS Dup (B356188-BS1)

Prepared & Analyzed: 10/25/23

Acetone	83.7	50	µg/L	100		83.7	70-160	4.33	25	V-05, V-35 †
Acrylonitrile	8.89	5.0	µg/L	10.0		88.9	70-130	3.78	25	
tert-Amyl Methyl Ether (TAME)	11.7	0.50	µg/L	10.0		117	70-130	4.81	25	
Benzene	11.6	1.0	µg/L	10.0		116	70-130	1.65	25	
Bromobenzene	10.8	1.0	µg/L	10.0		108	70-130	0.279	25	
Bromochloromethane	12.3	1.0	µg/L	10.0		123	70-130	1.21	25	V-20
Bromodichloromethane	10.8	0.50	µg/L	10.0		108	70-130	0.553	25	
Bromoform	9.41	1.0	µg/L	10.0		94.1	70-130	0.426	25	
Bromomethane	10.7	2.0	µg/L	10.0		107	40-160	8.79	25	V-34 †
2-Butanone (MEK)	110	20	µg/L	100		110	40-160	6.74	25	†
tert-Butyl Alcohol (TBA)	89.1	20	µg/L	100		89.1	40-160	2.37	25	†
n-Butylbenzene	9.67	1.0	µg/L	10.0		96.7	70-130	3.95	25	
sec-Butylbenzene	9.72	1.0	µg/L	10.0		97.2	70-130	1.83	25	
tert-Butylbenzene	9.50	1.0	µg/L	10.0		95.0	70-130	2.90	25	
tert-Butyl Ethyl Ether (TBEE)	11.8	0.50	µg/L	10.0		118	70-130	3.01	25	
Carbon Disulfide	106	5.0	µg/L	100		106	70-130	0.208	25	V-35
Carbon Tetrachloride	11.7	5.0	µg/L	10.0		117	70-130	0.594	25	
Chlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	1.35	25	
Chlorodibromomethane	11.1	0.50	µg/L	10.0		111	70-130	3.75	25	
Chloroethane	12.0	2.0	µg/L	10.0		120	70-130	2.62	25	
Chloroform	10.5	2.0	µg/L	10.0		105	70-130	0.381	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 B356188 - SW-846 5030B										
LCS Dup (B356188-BS1)				Prepared & Analyzed: 10/25/23						
Chloromethane	6.65	2.0	µg/L	10.0		66.5	40-160	21.7	25	V-05, V-34 †
2-Chlorotoluene	9.70	1.0	µg/L	10.0		97.0	70-130	1.53	25	
4-Chlorotoluene	10.8	1.0	µg/L	10.0		108	70-130	1.74	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.41	5.0	µg/L	10.0		84.1	70-130	10.8	25	
1,2-Dibromoethane (EDB)	11.4	0.50	µg/L	10.0		114	70-130	2.66	25	
Dibromomethane	10.9	1.0	µg/L	10.0		109	70-130	1.85	25	
1,2-Dichlorobenzene	9.74	1.0	µg/L	10.0		97.4	70-130	0.412	25	
1,3-Dichlorobenzene	9.58	1.0	µg/L	10.0		95.8	70-130	3.99	25	
1,4-Dichlorobenzene	9.43	1.0	µg/L	10.0		94.3	70-130	1.58	25	
trans-1,4-Dichloro-2-butene	7.96	2.0	µg/L	10.0		79.6	70-130	7.96	25	
Dichlorodifluoromethane (Freon 12)	10.2	2.0	µg/L	10.0		102	40-160	2.24	25	†
1,1-Dichloroethane	11.2	1.0	µg/L	10.0		112	70-130	1.16	25	
1,2-Dichloroethane	9.42	1.0	µg/L	10.0		94.2	70-130	0.846	25	
1,1-Dichloroethylene	8.73	1.0	µg/L	10.0		87.3	70-130	2.08	25	
cis-1,2-Dichloroethylene	11.1	1.0	µg/L	10.0		111	70-130	1.91	25	
trans-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130	0.374	25	
1,2-Dichloropropane	11.1	1.0	µg/L	10.0		111	70-130	0.271	25	
1,3-Dichloropropane	11.6	0.50	µg/L	10.0		116	70-130	3.60	25	
2,2-Dichloropropane	10.0	1.0	µg/L	10.0		100	40-130	2.37	25	†
1,1-Dichloropropene	11.1	2.0	µg/L	10.0		111	70-130	0.633	25	
cis-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130	0.281	25	
trans-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130	0.379	25	
Diethyl Ether	9.88	2.0	µg/L	10.0		98.8	70-130	4.34	25	
Diisopropyl Ether (DIPE)	11.4	0.50	µg/L	10.0		114	70-130	0.528	25	
1,4-Dioxane	115	50	µg/L	100		115	40-130	8.05	50	† ‡
Ethylbenzene	9.86	1.0	µg/L	10.0		98.6	70-130	2.60	25	
Hexachlorobutadiene	10.3	0.60	µg/L	10.0		103	70-130	1.54	25	
2-Hexanone (MBK)	110	10	µg/L	100		110	70-160	0.952	25	†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130	0.779	25	
p-Isopropyltoluene (p-Cymene)	9.87	1.0	µg/L	10.0		98.7	70-130	1.21	25	
Methyl Acetate	10.4	1.0	µg/L	10.0		104	70-130	4.53	25	
Methyl tert-Butyl Ether (MTBE)	11.8	1.0	µg/L	10.0		118	70-130	3.99	25	
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130	0.567	25	
Methylene Chloride	9.07	5.0	µg/L	10.0		90.7	70-130	2.46	25	
4-Methyl-2-pentanone (MIBK)	113	10	µg/L	100		113	70-160	1.55	25	†
Naphthalene	9.37	2.0	µg/L	10.0		93.7	40-130	1.61	25	†
n-Propylbenzene	10.5	1.0	µg/L	10.0		105	70-130	1.98	25	
Styrene	10.3	1.0	µg/L	10.0		103	70-130	0.291	25	
1,1,1,2-Tetrachloroethane	9.87	1.0	µg/L	10.0		98.7	70-130	3.09	25	
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	70-130	1.96	25	
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130	2.30	25	
Tetrahydrofuran	10.6	10	µg/L	10.0		106	70-130	10.0	25	
Toluene	10.6	1.0	µg/L	10.0		106	70-130	1.59	25	
1,2,3-Trichlorobenzene	9.34	5.0	µg/L	10.0		93.4	70-130	1.62	25	
1,2,4-Trichlorobenzene	9.18	1.0	µg/L	10.0		91.8	70-130	2.20	25	
1,3,5-Trichlorobenzene	9.27	1.0	µg/L	10.0		92.7	70-130	1.39	25	
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130	0.486	25	
1,1,2-Trichloroethane	11.1	1.0	µg/L	10.0		111	70-130	0.0898	25	
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	1.35	25	
Trichlorofluoromethane (Freon 11)	9.52	2.0	µg/L	10.0		95.2	70-130	0.524	25	
1,2,3-Trichloropropane	10.4	2.0	µg/L	10.0		104	70-130	0.676	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 B356188 - SW-846 5030B										
LCS Dup (B356188-BSD1)				Prepared & Analyzed: 10/25/23						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.63	1.0	µg/L	10.0		96.3	70-130	0.625	25	
1,2,4-Trimethylbenzene	9.53	1.0	µg/L	10.0		95.3	70-130	4.71	25	
1,3,5-Trimethylbenzene	10.4	1.0	µg/L	10.0		104	70-130	2.10	25	
Vinyl Chloride	6.95	2.0	µg/L	10.0		69.5	40-160	5.62	25	V-05 †
m+p Xylene	20.2	2.0	µg/L	20.0		101	70-130	2.01	25	
o-Xylene	10.4	1.0	µg/L	10.0		104	70-130	1.24	25	
Surrogate: 1,2-Dichloroethane-d4	24.3		µg/L	25.0		97.0	70-130			
Surrogate: Toluene-d8	26.1		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	27.0		µg/L	25.0		108	70-130			

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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.
E	Reported result is estimated. Value reported over verified calibration range.
RL-11	Elevated reporting limit due to high concentration of target compounds.
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.
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.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
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
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

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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
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
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client GES
 Project 126 E Niagara St, Tonawanda, NY
 MCP/RCP Required NA
 Deliverable Package Requirement NA
 Location 126 E Niagara St, Tonawanda, NY
 PWSID# (When Applicable) NA
 Arrival Method:
 Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐
 Received By / Date / Time LA 10/11/23 9:57
 Back-Sheet By / Date / Time LA 10/23/23 KRS
 Temperature Method GM # 5
 Temp 16°C Actual Temperature 2.3
 Rush Samples: Yes / ☒ No Notify _____
 Short Hold: Yes / ☒ No Notify _____

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

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☒	☐
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐
COC Included: (Check all included)		
Client ☒ Analysis ☐ Sampler Name ☐		
Project ☒ IDs ☐ Collection Date/Time ☐		
All Samples Proper pH: <u>N/A</u>	☐	☐

Notes regarding Samples/COC outside of SOP:

Additional Container Notes

Note: West Virginia requires all samples to have their
 temperature taken. Note any outliers.

Effective Date: 07/13/2023

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November 22, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 126 E Nagra St, Tonawanda, NY
Client Job Number:
Project Number: 915171
Laboratory Work Order Number: 23K2275

Enclosed are results of analyses for samples as received by the laboratory on November 16, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 11/22/2023

PURCHASE ORDER NUMBER: 147643

PROJECT NUMBER: 915171

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23K2275

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

PROJECT LOCATION: 126 E Nagra St, Tonawanda, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Post Carbon 2	23K2275-01	Ground Water		SW-846 8260D	
Pre-Carbon	23K2275-02	Ground Water		SW-846 8260D	
Outside Sump	23K2275-03	Ground Water		SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

SW-846 8260D**Qualifications:**

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23K2275-02[Pre-Carbon], 23K2275-03[Outside Sump]

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:**n-Butylbenzene**

23K2275-01[Post Carbon 2], 23K2275-02[Pre-Carbon], 23K2275-03[Outside Sump], B358594-BLK1, B358594-BS1, B358594-BSD1, S096691-CCV1

trans-1,4-Dichloro-2-butene

23K2275-01[Post Carbon 2], 23K2275-02[Pre-Carbon], 23K2275-03[Outside Sump], B358594-BLK1, B358594-BS1, B358594-BSD1, S096691-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:**1,1,2,2-Tetrachloroethane**

B358594-BS1, B358594-BSD1, S096691-CCV1

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

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

Project Location: 126 E Nagra St, Tonawanda, NY

Sample Description:

Work Order: 23K2275

Date Received: 11/16/2023

Field Sample #: Post Carbon 2

Sampled: 11/15/2023 12:00

Sample ID: 23K2275-01

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		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
n-Butylbenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	11/20/23	11/21/23 2:15	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH

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Project Location: 126 E Nagra St, Tonawanda, NY

Sample Description:

Work Order: 23K2275

Date Received: 11/16/2023

Field Sample #: Post Carbon 2

Sampled: 11/15/2023 12:00

Sample ID: 23K2275-01

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	11/20/23	11/21/23 2:15	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 2:15	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	82.2	70-130							
Toluene-d8	101	70-130							
4-Bromofluorobenzene	102	70-130							

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Project Location: 126 E Nagra St, Tonawanda, NY

Sample Description:

Work Order: 23K2275

Date Received: 11/16/2023

Field Sample #: Pre-Carbon

Sampled: 11/15/2023 12:05

Sample ID: 23K2275-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2000	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Acrylonitrile	ND	200	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
tert-Amyl Methyl Ether (TAME)	ND	20	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Benzene	2900	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Bromobenzene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Bromochloromethane	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Bromodichloromethane	ND	20	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Bromoform	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Bromomethane	ND	80	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
2-Butanone (MEK)	ND	800	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
tert-Butyl Alcohol (TBA)	ND	800	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
n-Butylbenzene	ND	40	µg/L	40	V-05	SW-846 8260D	11/20/23	11/21/23 2:42	EEH
sec-Butylbenzene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
tert-Butylbenzene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	20	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Carbon Disulfide	ND	200	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Carbon Tetrachloride	ND	200	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Chlorobenzene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Chlorodibromomethane	ND	20	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Chloroethane	ND	80	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Chloroform	ND	80	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Chloromethane	ND	80	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
2-Chlorotoluene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
4-Chlorotoluene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	200	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,2-Dibromoethane (EDB)	ND	20	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Dibromomethane	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,2-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,3-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,4-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
trans-1,4-Dichloro-2-butene	ND	80	µg/L	40	V-05	SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Dichlorodifluoromethane (Freon 12)	ND	80	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,1-Dichloroethane	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,2-Dichloroethane	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,1-Dichloroethylene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
cis-1,2-Dichloroethylene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
trans-1,2-Dichloroethylene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,2-Dichloropropane	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,3-Dichloropropane	ND	20	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
2,2-Dichloropropane	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,1-Dichloropropene	ND	80	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
cis-1,3-Dichloropropene	ND	20	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
trans-1,3-Dichloropropene	ND	20	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Diethyl Ether	ND	80	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH

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

Project Location: 126 E Nagra St, Tonawanda, NY

Sample Description:

Work Order: 23K2275

Date Received: 11/16/2023

Field Sample #: Pre-Carbon

Sampled: 11/15/2023 12:05

Sample ID: 23K2275-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	20	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,4-Dioxane	ND	2000	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Ethylbenzene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Hexachlorobutadiene	ND	24	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
2-Hexanone (MBK)	ND	400	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Isopropylbenzene (Cumene)	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
p-Isopropyltoluene (p-Cymene)	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Methyl Acetate	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Methyl tert-Butyl Ether (MTBE)	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Methyl Cyclohexane	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Methylene Chloride	ND	200	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
4-Methyl-2-pentanone (MIBK)	ND	400	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Naphthalene	ND	80	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
n-Propylbenzene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Styrene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,1,1,2-Tetrachloroethane	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,1,2,2-Tetrachloroethane	ND	20	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Tetrachloroethylene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Tetrahydrofuran	ND	400	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Toluene	280	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,2,3-Trichlorobenzene	ND	200	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,2,4-Trichlorobenzene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,3,5-Trichlorobenzene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,1,1-Trichloroethane	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,1,2-Trichloroethane	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Trichloroethylene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Trichlorofluoromethane (Freon 11)	ND	80	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,2,3-Trichloropropane	ND	80	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,2,4-Trimethylbenzene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
1,3,5-Trimethylbenzene	ND	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Vinyl Chloride	ND	80	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
m+p Xylene	85	80	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
o-Xylene	57	40	µg/L	40		SW-846 8260D	11/20/23	11/21/23 2:42	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	79.9	70-130							
Toluene-d8	102	70-130							
4-Bromofluorobenzene	103	70-130							

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

Project Location: 126 E Nagra St, Tonawanda, NY

Sample Description:

Work Order: 23K2275

Date Received: 11/16/2023

Field Sample #: Outside Sump

Sampled: 11/15/2023 12:10

Sample ID: 23K2275-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2500	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Acrylonitrile	ND	250	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
tert-Amyl Methyl Ether (TAME)	ND	25	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Benzene	4400	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Bromobenzene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Bromochloromethane	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Bromodichloromethane	ND	25	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Bromoform	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Bromomethane	ND	100	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
2-Butanone (MEK)	ND	1000	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
tert-Butyl Alcohol (TBA)	ND	1000	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
n-Butylbenzene	ND	50	µg/L	50	V-05	SW-846 8260D	11/20/23	11/21/23 3:07	EEH
sec-Butylbenzene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
tert-Butylbenzene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	25	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Carbon Disulfide	ND	250	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Carbon Tetrachloride	ND	250	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Chlorobenzene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Chlorodibromomethane	ND	25	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Chloroethane	ND	100	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Chloroform	ND	100	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Chloromethane	ND	100	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
2-Chlorotoluene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
4-Chlorotoluene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,2-Dibromoethane (EDB)	ND	25	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Dibromomethane	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,2-Dichlorobenzene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,3-Dichlorobenzene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,4-Dichlorobenzene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
trans-1,4-Dichloro-2-butene	ND	100	µg/L	50	V-05	SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Dichlorodifluoromethane (Freon 12)	ND	100	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,1-Dichloroethane	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,2-Dichloroethane	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,1-Dichloroethylene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
cis-1,2-Dichloroethylene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
trans-1,2-Dichloroethylene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,2-Dichloropropane	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,3-Dichloropropane	ND	25	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
2,2-Dichloropropane	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,1-Dichloropropene	ND	100	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
cis-1,3-Dichloropropene	ND	25	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
trans-1,3-Dichloropropene	ND	25	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Diethyl Ether	ND	100	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH

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

Project Location: 126 E Nagra St, Tonawanda, NY

Sample Description:

Work Order: 23K2275

Date Received: 11/16/2023

Field Sample #: Outside Sump

Sampled: 11/15/2023 12:10

Sample ID: 23K2275-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	25	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,4-Dioxane	ND	2500	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Ethylbenzene	260	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Hexachlorobutadiene	ND	30	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
2-Hexanone (MBK)	ND	500	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Isopropylbenzene (Cumene)	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
p-Isopropyltoluene (p-Cymene)	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Methyl Acetate	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Methyl tert-Butyl Ether (MTBE)	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Methyl Cyclohexane	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Methylene Chloride	ND	250	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
4-Methyl-2-pentanone (MIBK)	ND	500	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Naphthalene	460	100	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
n-Propylbenzene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Styrene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,1,1,2-Tetrachloroethane	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,1,2,2-Tetrachloroethane	ND	25	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Tetrachloroethylene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Tetrahydrofuran	ND	500	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Toluene	510	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,2,3-Trichlorobenzene	ND	250	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,2,4-Trichlorobenzene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,3,5-Trichlorobenzene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,1,1-Trichloroethane	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,1,2-Trichloroethane	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Trichloroethylene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Trichlorofluoromethane (Freon 11)	ND	100	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,2,3-Trichloropropane	ND	100	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,2,4-Trimethylbenzene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
1,3,5-Trimethylbenzene	ND	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Vinyl Chloride	ND	100	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
m+p Xylene	100	100	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
o-Xylene	62	50	µg/L	50		SW-846 8260D	11/20/23	11/21/23 3:07	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	80.3	70-130							
Toluene-d8	101	70-130							
4-Bromofluorobenzene	102	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method:SW-846 5030B Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23K2275-01 [Post Carbon 2]	B358594	5	5.00	11/20/23
23K2275-02 [Pre-Carbon]	B358594	0.125	5.00	11/20/23
23K2275-03 [Outside Sump]	B358594	0.1	5.00	11/20/23

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

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
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Batch B358594 - SW-846 5030B
Blank (B358594-BLK1)

Prepared & Analyzed: 11/20/23

Acetone	ND	50	µg/L							
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							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							V-05
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							V-05
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							
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							

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

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
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Batch B358594 - SW-846 5030B
Blank (B358594-BLK1)

Prepared & Analyzed: 11/20/23

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							
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	20.7		µg/L	25.0		82.8	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		µg/L	25.0		99.9	70-130			

LCS (B358594-BS1)

Prepared & Analyzed: 11/20/23

Acetone	91.0	50	µg/L	100		91.0	70-160			†
Acrylonitrile	10.0	5.0	µg/L	10.0		100	70-130			
tert-Amyl Methyl Ether (TAME)	9.92	0.50	µg/L	10.0		99.2	70-130			
Benzene	10.3	1.0	µg/L	10.0		103	70-130			
Bromobenzene	9.75	1.0	µg/L	10.0		97.5	70-130			
Bromochloromethane	10.7	1.0	µg/L	10.0		107	70-130			
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130			
Bromoform	10.9	1.0	µg/L	10.0		109	70-130			
Bromomethane	9.74	2.0	µg/L	10.0		97.4	40-160			†
2-Butanone (MEK)	98.3	20	µg/L	100		98.3	40-160			†
tert-Butyl Alcohol (TBA)	97.8	20	µg/L	100		97.8	40-160			†
n-Butylbenzene	7.74	1.0	µg/L	10.0		77.4	70-130			V-05
sec-Butylbenzene	8.25	1.0	µg/L	10.0		82.5	70-130			
tert-Butylbenzene	8.57	1.0	µg/L	10.0		85.7	70-130			
tert-Butyl Ethyl Ether (TBEE)	9.35	0.50	µg/L	10.0		93.5	70-130			
Carbon Disulfide	116	5.0	µg/L	100		116	70-130			
Carbon Tetrachloride	9.94	5.0	µg/L	10.0		99.4	70-130			
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
Chlorodibromomethane	10.9	0.50	µg/L	10.0		109	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			

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

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 B358594 - SW-846 5030B										
LCS (B358594-BS1)				Prepared & Analyzed: 11/20/23						
Chloromethane	9.55	2.0	µg/L	10.0		95.5	40-160			†
2-Chlorotoluene	9.22	1.0	µg/L	10.0		92.2	70-130			
4-Chlorotoluene	9.39	1.0	µg/L	10.0		93.9	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.52	5.0	µg/L	10.0		95.2	70-130			
1,2-Dibromoethane (EDB)	11.8	0.50	µg/L	10.0		118	70-130			
Dibromomethane	11.2	1.0	µg/L	10.0		112	70-130			
1,2-Dichlorobenzene	9.48	1.0	µg/L	10.0		94.8	70-130			
1,3-Dichlorobenzene	9.06	1.0	µg/L	10.0		90.6	70-130			
1,4-Dichlorobenzene	8.95	1.0	µg/L	10.0		89.5	70-130			
trans-1,4-Dichloro-2-butene	7.53	2.0	µg/L	10.0		75.3	70-130			V-05
Dichlorodifluoromethane (Freon 12)	10.8	2.0	µg/L	10.0		108	40-160			†
1,1-Dichloroethane	9.89	1.0	µg/L	10.0		98.9	70-130			
1,2-Dichloroethane	9.96	1.0	µg/L	10.0		99.6	70-130			
1,1-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
cis-1,2-Dichloroethylene	9.46	1.0	µg/L	10.0		94.6	70-130			
trans-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130			
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130			
1,3-Dichloropropane	10.9	0.50	µg/L	10.0		109	70-130			
2,2-Dichloropropane	8.65	1.0	µg/L	10.0		86.5	40-130			†
1,1-Dichloropropene	10.0	2.0	µg/L	10.0		100	70-130			
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130			
trans-1,3-Dichloropropene	10.0	0.50	µg/L	10.0		100	70-130			
Diethyl Ether	9.93	2.0	µg/L	10.0		99.3	70-130			
Diisopropyl Ether (DIPE)	8.74	0.50	µg/L	10.0		87.4	70-130			
1,4-Dioxane	103	50	µg/L	100		103	40-130			†
Ethylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130			
Hexachlorobutadiene	8.33	0.60	µg/L	10.0		83.3	70-130			
2-Hexanone (MBK)	105	10	µg/L	100		105	70-160			†
Isopropylbenzene (Cumene)	9.60	1.0	µg/L	10.0		96.0	70-130			
p-Isopropyltoluene (p-Cymene)	8.28	1.0	µg/L	10.0		82.8	70-130			
Methyl Acetate	10.7	1.0	µg/L	10.0		107	70-130			
Methyl tert-Butyl Ether (MTBE)	10.0	1.0	µg/L	10.0		100	70-130			
Methyl Cyclohexane	10.2	1.0	µg/L	10.0		102	70-130			
Methylene Chloride	8.85	5.0	µg/L	10.0		88.5	70-130			
4-Methyl-2-pentanone (MIBK)	106	10	µg/L	100		106	70-160			†
Naphthalene	8.93	2.0	µg/L	10.0		89.3	40-130			†
n-Propylbenzene	9.54	1.0	µg/L	10.0		95.4	70-130			
Styrene	10.3	1.0	µg/L	10.0		103	70-130			
1,1,1,2-Tetrachloroethane	10.1	1.0	µg/L	10.0		101	70-130			
1,1,2,2-Tetrachloroethane	11.8	0.50	µg/L	10.0		118	70-130			V-20
Tetrachloroethylene	11.5	1.0	µg/L	10.0		115	70-130			
Tetrahydrofuran	9.30	10	µg/L	10.0		93.0	70-130			
Toluene	10.6	1.0	µg/L	10.0		106	70-130			
1,2,3-Trichlorobenzene	9.79	5.0	µg/L	10.0		97.9	70-130			
1,2,4-Trichlorobenzene	9.30	1.0	µg/L	10.0		93.0	70-130			
1,3,5-Trichlorobenzene	8.82	1.0	µg/L	10.0		88.2	70-130			
1,1,1-Trichloroethane	10.0	1.0	µg/L	10.0		100	70-130			
1,1,2-Trichloroethane	11.6	1.0	µg/L	10.0		116	70-130			
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
Trichlorofluoromethane (Freon 11)	11.2	2.0	µg/L	10.0		112	70-130			
1,2,3-Trichloropropane	11.4	2.0	µg/L	10.0		114	70-130			

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

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 B358594 - SW-846 5030B										
LCS (B358594-BS1)										
Prepared & Analyzed: 11/20/23										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	1.0	µg/L	10.0		109	70-130			
1,2,4-Trimethylbenzene	8.48	1.0	µg/L	10.0		84.8	70-130			
1,3,5-Trimethylbenzene	9.43	1.0	µg/L	10.0		94.3	70-130			
Vinyl Chloride	11.1	2.0	µg/L	10.0		111	40-160			†
m+p Xylene	19.4	2.0	µg/L	20.0		97.0	70-130			
o-Xylene	9.73	1.0	µg/L	10.0		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	20.2		µg/L	25.0		80.8	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.6		µg/L	25.0		102	70-130			
LCS Dup (B358594-BSD1)										
Prepared & Analyzed: 11/20/23										
Acetone	94.2	50	µg/L	100		94.2	70-160	3.41	25	†
Acrylonitrile	10.2	5.0	µg/L	10.0		102	70-130	2.17	25	
tert-Amyl Methyl Ether (TAME)	9.69	0.50	µg/L	10.0		96.9	70-130	2.35	25	
Benzene	10.6	1.0	µg/L	10.0		106	70-130	2.69	25	
Bromobenzene	9.64	1.0	µg/L	10.0		96.4	70-130	1.13	25	
Bromochloromethane	10.9	1.0	µg/L	10.0		109	70-130	1.48	25	
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130	0.388	25	
Bromoform	10.5	1.0	µg/L	10.0		105	70-130	3.56	25	
Bromomethane	11.6	2.0	µg/L	10.0		116	40-160	17.6	25	†
2-Butanone (MEK)	100	20	µg/L	100		100	40-160	1.93	25	†
tert-Butyl Alcohol (TBA)	102	20	µg/L	100		102	40-160	3.89	25	†
n-Butylbenzene	8.00	1.0	µg/L	10.0		80.0	70-130	3.30	25	V-05
sec-Butylbenzene	8.44	1.0	µg/L	10.0		84.4	70-130	2.28	25	
tert-Butylbenzene	8.77	1.0	µg/L	10.0		87.7	70-130	2.31	25	
tert-Butyl Ethyl Ether (TBEE)	9.30	0.50	µg/L	10.0		93.0	70-130	0.536	25	
Carbon Disulfide	119	5.0	µg/L	100		119	70-130	2.59	25	
Carbon Tetrachloride	9.87	5.0	µg/L	10.0		98.7	70-130	0.707	25	
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	0.195	25	
Chlorodibromomethane	10.9	0.50	µg/L	10.0		109	70-130	0.367	25	
Chloroethane	11.1	2.0	µg/L	10.0		111	70-130	0.999	25	
Chloroform	10.3	2.0	µg/L	10.0		103	70-130	1.18	25	
Chloromethane	9.59	2.0	µg/L	10.0		95.9	40-160	0.418	25	†
2-Chlorotoluene	9.57	1.0	µg/L	10.0		95.7	70-130	3.73	25	
4-Chlorotoluene	9.41	1.0	µg/L	10.0		94.1	70-130	0.213	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.81	5.0	µg/L	10.0		98.1	70-130	3.00	25	
1,2-Dibromoethane (EDB)	11.8	0.50	µg/L	10.0		118	70-130	0.509	25	
Dibromomethane	11.3	1.0	µg/L	10.0		113	70-130	1.42	25	
1,2-Dichlorobenzene	9.50	1.0	µg/L	10.0		95.0	70-130	0.211	25	
1,3-Dichlorobenzene	9.13	1.0	µg/L	10.0		91.3	70-130	0.770	25	
1,4-Dichlorobenzene	9.15	1.0	µg/L	10.0		91.5	70-130	2.21	25	
trans-1,4-Dichloro-2-butene	7.50	2.0	µg/L	10.0		75.0	70-130	0.399	25	V-05
Dichlorodifluoromethane (Freon 12)	11.2	2.0	µg/L	10.0		112	40-160	3.09	25	†
1,1-Dichloroethane	9.88	1.0	µg/L	10.0		98.8	70-130	0.101	25	
1,2-Dichloroethane	9.88	1.0	µg/L	10.0		98.8	70-130	0.806	25	
1,1-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	0.595	25	
cis-1,2-Dichloroethylene	9.55	1.0	µg/L	10.0		95.5	70-130	0.947	25	
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	1.39	25	
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130	1.33	25	
1,3-Dichloropropane	11.0	0.50	µg/L	10.0		110	70-130	0.911	25	
2,2-Dichloropropane	8.49	1.0	µg/L	10.0		84.9	40-130	1.87	25	†
1,1-Dichloropropene	10.2	2.0	µg/L	10.0		102	70-130	1.39	25	

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

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 B358594 - SW-846 5030B										
LCS Dup (B358594-BSD1)				Prepared & Analyzed: 11/20/23						
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	0.592	25	
trans-1,3-Dichloropropene	9.91	0.50	µg/L	10.0		99.1	70-130	1.00	25	
Diethyl Ether	10.2	2.0	µg/L	10.0		102	70-130	2.88	25	
Diisopropyl Ether (DIPE)	9.11	0.50	µg/L	10.0		91.1	70-130	4.15	25	
1,4-Dioxane	102	50	µg/L	100		102	40-130	0.166	50	† ‡
Ethylbenzene	10.0	1.0	µg/L	10.0		100	70-130	1.00	25	
Hexachlorobutadiene	8.58	0.60	µg/L	10.0		85.8	70-130	2.96	25	
2-Hexanone (MBK)	108	10	µg/L	100		108	70-160	2.97	25	†
Isopropylbenzene (Cumene)	9.85	1.0	µg/L	10.0		98.5	70-130	2.57	25	
p-Isopropyltoluene (p-Cymene)	8.47	1.0	µg/L	10.0		84.7	70-130	2.27	25	
Methyl Acetate	10.8	1.0	µg/L	10.0		108	70-130	1.49	25	
Methyl tert-Butyl Ether (MTBE)	9.94	1.0	µg/L	10.0		99.4	70-130	1.00	25	
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130	3.27	25	
Methylene Chloride	8.86	5.0	µg/L	10.0		88.6	70-130	0.113	25	
4-Methyl-2-pentanone (MIBK)	109	10	µg/L	100		109	70-160	2.39	25	†
Naphthalene	9.13	2.0	µg/L	10.0		91.3	40-130	2.21	25	†
n-Propylbenzene	9.60	1.0	µg/L	10.0		96.0	70-130	0.627	25	
Styrene	10.3	1.0	µg/L	10.0		103	70-130	0.0972	25	
1,1,1,2-Tetrachloroethane	10.4	1.0	µg/L	10.0		104	70-130	3.03	25	
1,1,2,2-Tetrachloroethane	11.9	0.50	µg/L	10.0		119	70-130	0.845	25	V-20
Tetrachloroethylene	11.5	1.0	µg/L	10.0		115	70-130	0.696	25	
Tetrahydrofuran	9.45	10	µg/L	10.0		94.5	70-130	1.60	25	
Toluene	10.6	1.0	µg/L	10.0		106	70-130	0.378	25	
1,2,3-Trichlorobenzene	10.1	5.0	µg/L	10.0		101	70-130	2.72	25	
1,2,4-Trichlorobenzene	9.47	1.0	µg/L	10.0		94.7	70-130	1.81	25	
1,3,5-Trichlorobenzene	9.11	1.0	µg/L	10.0		91.1	70-130	3.23	25	
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	5.24	25	
1,1,2-Trichloroethane	11.5	1.0	µg/L	10.0		115	70-130	1.13	25	
Trichloroethylene	10.7	1.0	µg/L	10.0		107	70-130	2.17	25	
Trichlorofluoromethane (Freon 11)	10.8	2.0	µg/L	10.0		108	70-130	3.56	25	
1,2,3-Trichloropropane	11.1	2.0	µg/L	10.0		111	70-130	3.03	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.9	1.0	µg/L	10.0		119	70-130	8.71	25	
1,2,4-Trimethylbenzene	8.69	1.0	µg/L	10.0		86.9	70-130	2.45	25	
1,3,5-Trimethylbenzene	9.55	1.0	µg/L	10.0		95.5	70-130	1.26	25	
Vinyl Chloride	11.4	2.0	µg/L	10.0		114	40-160	2.22	25	†
m+p Xylene	19.7	2.0	µg/L	20.0		98.4	70-130	1.48	25	
o-Xylene	9.86	1.0	µg/L	10.0		98.6	70-130	1.33	25	
Surrogate: 1,2-Dichloroethane-d4	21.0		µg/L	25.0		83.8	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	25.2		µg/L	25.0		101	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**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.
RL-11	Elevated reporting limit due to high concentration of target compounds.
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.

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
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
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

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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
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
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

CHAIN OF CUSTODY

Client: New York State Dept. of Environm

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FED-EX Tracking #

Bottle Order Control #

Lab Quote #

Lab Job #	
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[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

☐ Standard 14 Days

1 day RUSH

☒ Other 10-day TAT

Laboratory Information

Lab: Con-Test (PACE) Analytical Laboratory

Address: 39 Spruce St. East Longmeadow, MA 01028

Phone: 413-525-2332

Lab PM: Kyle Murray

Lab PM Email: kyle.murray@pacelabs.com

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + OC Summary

☐ FULLT1 (Level 3 & 4)

NI Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

NJ Data of Known Quality Protocol Reporting

NYASP Category A

NYASP Category B

☐ **State Forms**

☒ EDD Format compatible with most recent DEC format

☐ Other

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Tonawanda/NY/ENiagaraSt/126_LabReport# 17811_EOEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.

Relinquished By Sampler:	Date / Time:	Received By:
1 Jessica Petersen	1 11/15/23 13:25	1 Joaleem Flay (AAD) 11/15/23
Relinquished By:	Date / Time:	Received By:
2 Joaleem Flay (AAD)	2 11/15/23 13:25	2 [Signature] 11-16-23 0727
Relinquished By:	Date / Time:	Received By:
3	3	3
Custody Seal Number:	☒ Intact ☐ Not Intact	
	☒ Preserved where applicable ☐ Office Cooler Temp 1.3 °C	

	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client GES

Project 126 Enragara St, Tonawanda, NY

MCP/RCP Required NA

Deliverable Package Requirement NA

Location 126 Enragara St, Tonawanda, NY

PWSID# (When Applicable) NA

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time Am 11/16/23 727

Back-Sheet By / Date / Time LA 11/16/23 1324

Temperature Method gum # 5

Temp < 6° C Actual Temperature 7.3

Rush Samples: Yes / ☒ No Notify

Short Hold: Yes / ☒ No Notify

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

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐
COC Included: (Check all included)		
Client ☒	Analysis ☒	Sampler Name ☒
Project ☒	IDs ☒	Collection Date/Time ☒
All Samples Proper pH: <u>N/A</u> ☐ ☐		

Notes regarding Samples/COC outside of SOP:

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.



DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

Sample		(Circle Amb/Clear)	1 Liter	250ml	100ml	1 Liter	500ml	250ml	VOA Vials	Other / Fill in
1	16oz Amb/Clear									
2	8oz Amb/Clear									
3	4oz Amb/Clear									
4	2oz Amb/Clear									
5	Unpreserved									
6	HCL									
7	Sulfuric									
8	Sulfuric									
9	Phosphoric									
10	HCl									
11	Unpreserved									
12	Unpreserved									
13	Sulfuric									
14	Unpreserved									
15	Sulfuric									
16	Unpreserved									
17	Trizma									
18	Sulfuric									
19	Nitric									
20	NaOH									
	Ammonium Acetate									
	NaOH/Zinc									
	Unpreserved									
	HCl									
	MeOH									
	D.I. Water									
	BiSulfate									
	Col/Bact									

December 14, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 126 E Niagara St Tonawanda NY
Client Job Number:
Project Number: 915171
Laboratory Work Order Number: 23L1187

Enclosed are results of analyses for samples as received by the laboratory on December 8, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 12/14/2023

PURCHASE ORDER NUMBER: 147643

PROJECT NUMBER: 915171

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23L1187

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

PROJECT LOCATION: 126 E Niagara St Tonawanda NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Post Carbon 2	23L1187-01	Ground Water		SW-846 8260D	
Pre-Carbon	23L1187-02	Ground Water		SW-846 8260D	
Outside Sump	23L1187-03	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 8260D**Qualifications:**

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**Bromomethane**

B360383-BS1, B360383-BSD1, S097675-CCV1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:**1,2,3-Trichloropropane**

23L1187-01[Post Carbon 2], 23L1187-02[Pre-Carbon], 23L1187-03[Outside Sump], B360383-BLK1, B360383-BS1, B360383-BSD1, S097675-CCV1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23L1187-02[Pre-Carbon], 23L1187-03[Outside Sump]

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:**Bromoform**

23L1187-01[Post Carbon 2], 23L1187-02[Pre-Carbon], 23L1187-03[Outside Sump], B360383-BLK1, B360383-BS1, B360383-BSD1, S097675-CCV1

Naphthalene

23L1187-01[Post Carbon 2], 23L1187-02[Pre-Carbon], 23L1187-03[Outside Sump], B360383-BLK1, B360383-BS1, B360383-BSD1, S097675-CCV1

tert-Butyl Alcohol (TBA)

23L1187-01[Post Carbon 2], 23L1187-02[Pre-Carbon], 23L1187-03[Outside Sump], B360383-BLK1, B360383-BS1, B360383-BSD1, S097675-CCV1

trans-1,4-Dichloro-2-butene

23L1187-01[Post Carbon 2], 23L1187-02[Pre-Carbon], 23L1187-03[Outside Sump], B360383-BLK1, B360383-BS1, B360383-BSD1, S097675-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:**Bromomethane**

B360383-BS1, B360383-BSD1, S097675-CCV1

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

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

Project Location: 126 E Niagara St Tonawanda NY

Sample Description:

Work Order: 23L1187

Date Received: 12/8/2023

Field Sample #: Post Carbon 2

Sampled: 12/6/2023 14:20

Sample ID: 23L1187-01

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		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Bromoform	ND	1.0	µg/L	1	V-05	SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	12/11/23	12/12/23 13:25	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF

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

Project Location: 126 E Niagara St Tonawanda NY

Sample Description:

Work Order: 23L1187

Date Received: 12/8/2023

Field Sample #: Post Carbon 2

Sampled: 12/6/2023 14:20

Sample ID: 23L1187-01

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	12/11/23	12/12/23 13:25	MFF
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	12/11/23	12/12/23 13:25	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1	R-05	SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	12/11/23	12/12/23 13:25	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	107	70-130							
Toluene-d8	99.7	70-130							
4-Bromofluorobenzene	82.9	70-130							

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

Project Location: 126 E Niagara St Tonawanda NY

Sample Description:

Work Order: 23L1187

Date Received: 12/8/2023

Field Sample #: Pre-Carbon

Sampled: 12/6/2023 14:30

Sample ID: 23L1187-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	1000	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Acrylonitrile	ND	100	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
tert-Amyl Methyl Ether (TAME)	ND	10	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Benzene	1400	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Bromobenzene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Bromochloromethane	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Bromodichloromethane	ND	10	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Bromoform	ND	20	µg/L	20	V-05	SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Bromomethane	ND	40	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
2-Butanone (MEK)	ND	400	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
tert-Butyl Alcohol (TBA)	ND	400	µg/L	20	V-05	SW-846 8260D	12/11/23	12/12/23 19:12	MFF
n-Butylbenzene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
sec-Butylbenzene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
tert-Butylbenzene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	10	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Carbon Disulfide	ND	100	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Carbon Tetrachloride	ND	100	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Chlorobenzene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Chlorodibromomethane	ND	10	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Chloroethane	ND	40	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Chloroform	ND	40	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Chloromethane	ND	40	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
2-Chlorotoluene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
4-Chlorotoluene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,2-Dibromoethane (EDB)	ND	10	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Dibromomethane	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,2-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,3-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,4-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
trans-1,4-Dichloro-2-butene	ND	40	µg/L	20	V-05	SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Dichlorodifluoromethane (Freon 12)	ND	40	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,1-Dichloroethane	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,2-Dichloroethane	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,1-Dichloroethylene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
cis-1,2-Dichloroethylene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
trans-1,2-Dichloroethylene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,2-Dichloropropane	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,3-Dichloropropane	ND	10	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
2,2-Dichloropropane	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,1-Dichloropropene	ND	40	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
cis-1,3-Dichloropropene	ND	10	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
trans-1,3-Dichloropropene	ND	10	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Diethyl Ether	ND	40	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF

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

Project Location: 126 E Niagara St Tonawanda NY

Sample Description:

Work Order: 23L1187

Date Received: 12/8/2023

Field Sample #: Pre-Carbon

Sampled: 12/6/2023 14:30

Sample ID: 23L1187-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	10	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,4-Dioxane	ND	1000	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Ethylbenzene	49	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Hexachlorobutadiene	ND	12	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
2-Hexanone (MBK)	ND	200	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Isopropylbenzene (Cumene)	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
p-Isopropyltoluene (p-Cymene)	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Methyl Acetate	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Methyl tert-Butyl Ether (MTBE)	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Methyl Cyclohexane	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Methylene Chloride	ND	100	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
4-Methyl-2-pentanone (MIBK)	ND	200	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Naphthalene	ND	40	µg/L	20	V-05	SW-846 8260D	12/11/23	12/12/23 19:12	MFF
n-Propylbenzene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Styrene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,1,1,2-Tetrachloroethane	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,1,2,2-Tetrachloroethane	ND	10	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Tetrachloroethylene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Tetrahydrofuran	ND	200	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Toluene	160	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,2,3-Trichlorobenzene	ND	100	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,2,4-Trichlorobenzene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,3,5-Trichlorobenzene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,1,1-Trichloroethane	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,1,2-Trichloroethane	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Trichloroethylene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Trichlorofluoromethane (Freon 11)	ND	40	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,2,3-Trichloropropane	ND	40	µg/L	20	R-05	SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,2,4-Trimethylbenzene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
1,3,5-Trimethylbenzene	ND	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Vinyl Chloride	ND	40	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
m+p Xylene	ND	40	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
o-Xylene	21	20	µg/L	20		SW-846 8260D	12/11/23	12/12/23 19:12	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	113	70-130							
Toluene-d8	101	70-130							
4-Bromofluorobenzene	83.5	70-130							

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

Project Location: 126 E Niagara St Tonawanda NY

Sample Description:

Work Order: 23L1187

Date Received: 12/8/2023

Field Sample #: Outside Sump

Sampled: 12/6/2023 14:40

Sample ID: 23L1187-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2000	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Acrylonitrile	ND	200	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
tert-Amyl Methyl Ether (TAME)	ND	20	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Benzene	2600	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Bromobenzene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Bromochloromethane	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Bromodichloromethane	ND	20	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Bromoform	ND	40	µg/L	40	V-05	SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Bromomethane	ND	80	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
2-Butanone (MEK)	ND	800	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
tert-Butyl Alcohol (TBA)	ND	800	µg/L	40	V-05	SW-846 8260D	12/11/23	12/12/23 19:39	MFF
n-Butylbenzene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
sec-Butylbenzene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
tert-Butylbenzene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	20	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Carbon Disulfide	ND	200	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Carbon Tetrachloride	ND	200	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Chlorobenzene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Chlorodibromomethane	ND	20	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Chloroethane	ND	80	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Chloroform	ND	80	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Chloromethane	ND	80	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
2-Chlorotoluene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
4-Chlorotoluene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	200	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,2-Dibromoethane (EDB)	ND	20	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Dibromomethane	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,2-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,3-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,4-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
trans-1,4-Dichloro-2-butene	ND	80	µg/L	40	V-05	SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	80	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,1-Dichloroethane	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,2-Dichloroethane	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,1-Dichloroethylene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
cis-1,2-Dichloroethylene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
trans-1,2-Dichloroethylene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,2-Dichloropropane	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,3-Dichloropropane	ND	20	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
2,2-Dichloropropane	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,1-Dichloropropene	ND	80	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
cis-1,3-Dichloropropene	ND	20	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
trans-1,3-Dichloropropene	ND	20	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Diethyl Ether	ND	80	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF

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

Project Location: 126 E Niagara St Tonawanda NY

Sample Description:

Work Order: 23L1187

Date Received: 12/8/2023

Field Sample #: Outside Sump

Sampled: 12/6/2023 14:40

Sample ID: 23L1187-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	20	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,4-Dioxane	ND	2000	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Ethylbenzene	120	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Hexachlorobutadiene	ND	24	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
2-Hexanone (MBK)	ND	400	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Isopropylbenzene (Cumene)	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
p-Isopropyltoluene (p-Cymene)	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Methyl Acetate	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Methyl tert-Butyl Ether (MTBE)	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Methyl Cyclohexane	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Methylene Chloride	ND	200	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	400	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Naphthalene	ND	80	µg/L	40	V-05	SW-846 8260D	12/11/23	12/12/23 19:39	MFF
n-Propylbenzene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Styrene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,1,1,2-Tetrachloroethane	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,1,2,2-Tetrachloroethane	ND	20	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Tetrachloroethylene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Tetrahydrofuran	ND	400	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Toluene	280	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,2,3-Trichlorobenzene	ND	200	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,2,4-Trichlorobenzene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,3,5-Trichlorobenzene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,1,1-Trichloroethane	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,1,2-Trichloroethane	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Trichloroethylene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Trichlorofluoromethane (Freon 11)	ND	80	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,2,3-Trichloropropane	ND	80	µg/L	40	R-05	SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,2,4-Trimethylbenzene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
1,3,5-Trimethylbenzene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Vinyl Chloride	ND	80	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
m+p Xylene	ND	80	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
o-Xylene	ND	40	µg/L	40		SW-846 8260D	12/11/23	12/12/23 19:39	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	113	70-130							
Toluene-d8	101	70-130							
4-Bromofluorobenzene	83.2	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method:SW-846 5030B Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23L1187-01 [Post Carbon 2]	B360383	5	5.00	12/11/23
23L1187-02 [Pre-Carbon]	B360383	0.25	5.00	12/11/23
23L1187-03 [Outside Sump]	B360383	0.125	5.00	12/11/23

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

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 B360383 - SW-846 5030B										
Blank (B360383-BLK1)				Prepared: 12/11/23 Analyzed: 12/12/23						
Acetone	ND	50	µg/L							
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							V-05
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
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							V-05
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							
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							

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

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
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Batch B360383 - SW-846 5030B
Blank (B360383-BLK1)

Prepared: 12/11/23 Analyzed: 12/12/23

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							R-05
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	26.2		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	25.5		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	21.1		µg/L	25.0		84.4	70-130			

LCS (B360383-BS1)

Prepared: 12/11/23 Analyzed: 12/12/23

Acetone	91.9	50	µg/L	100		91.9	70-160			†
Acrylonitrile	9.99	5.0	µg/L	10.0		99.9	70-130			
tert-Amyl Methyl Ether (TAME)	10.1	0.50	µg/L	10.0		101	70-130			
Benzene	11.9	1.0	µg/L	10.0		119	70-130			
Bromobenzene	9.83	1.0	µg/L	10.0		98.3	70-130			
Bromochloromethane	11.4	1.0	µg/L	10.0		114	70-130			
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130			
Bromoform	7.70	1.0	µg/L	10.0		77.0	70-130			V-05
Bromomethane	16.4	2.0	µg/L	10.0		164 *	40-160		L-02, V-20	†
2-Butanone (MEK)	102	20	µg/L	100		102	40-160			†
tert-Butyl Alcohol (TBA)	81.4	20	µg/L	100		81.4	40-160		V-05	†
n-Butylbenzene	10.7	1.0	µg/L	10.0		107	70-130			
sec-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
tert-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
tert-Butyl Ethyl Ether (TBEE)	11.2	0.50	µg/L	10.0		112	70-130			
Carbon Disulfide	107	5.0	µg/L	100		107	70-130			
Carbon Tetrachloride	11.0	5.0	µg/L	10.0		110	70-130			
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
Chlorodibromomethane	9.61	0.50	µg/L	10.0		96.1	70-130			
Chloroethane	11.6	2.0	µg/L	10.0		116	70-130			
Chloroform	10.7	2.0	µg/L	10.0		107	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 B360383 - SW-846 5030B										
LCS (B360383-BS1)										
Prepared: 12/11/23 Analyzed: 12/12/23										
Chloromethane	10.2	2.0	µg/L	10.0		102	40-160			†
2-Chlorotoluene	10.0	1.0	µg/L	10.0		100	70-130			
4-Chlorotoluene	9.66	1.0	µg/L	10.0		96.6	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.82	5.0	µg/L	10.0		78.2	70-130			
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130			
Dibromomethane	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130			
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
trans-1,4-Dichloro-2-butene	7.15	2.0	µg/L	10.0		71.5	70-130			V-05
Dichlorodifluoromethane (Freon 12)	12.0	2.0	µg/L	10.0		120	40-160			†
1,1-Dichloroethane	11.9	1.0	µg/L	10.0		119	70-130			
1,2-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130			
1,1-Dichloroethylene	11.1	1.0	µg/L	10.0		111	70-130			
cis-1,2-Dichloroethylene	11.8	1.0	µg/L	10.0		118	70-130			
trans-1,2-Dichloroethylene	11.1	1.0	µg/L	10.0		111	70-130			
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130			
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105	70-130			
2,2-Dichloropropane	11.1	1.0	µg/L	10.0		111	40-130			†
1,1-Dichloropropene	11.3	2.0	µg/L	10.0		113	70-130			
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130			
trans-1,3-Dichloropropene	9.95	0.50	µg/L	10.0		99.5	70-130			
Diethyl Ether	10.8	2.0	µg/L	10.0		108	70-130			
Diisopropyl Ether (DIPE)	11.3	0.50	µg/L	10.0		113	70-130			
1,4-Dioxane	80.7	50	µg/L	100		80.7	40-130			†
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
Hexachlorobutadiene	11.4	0.60	µg/L	10.0		114	70-130			
2-Hexanone (MBK)	84.0	10	µg/L	100		84.0	70-160			†
Isopropylbenzene (Cumene)	9.60	1.0	µg/L	10.0		96.0	70-130			
p-Isopropyltoluene (p-Cymene)	10.4	1.0	µg/L	10.0		104	70-130			
Methyl Acetate	10.4	1.0	µg/L	10.0		104	70-130			
Methyl tert-Butyl Ether (MTBE)	10.8	1.0	µg/L	10.0		108	70-130			
Methyl Cyclohexane	11.2	1.0	µg/L	10.0		112	70-130			
Methylene Chloride	10.7	5.0	µg/L	10.0		107	70-130			
4-Methyl-2-pentanone (MIBK)	85.3	10	µg/L	100		85.3	70-160			†
Naphthalene	7.33	2.0	µg/L	10.0		73.3	40-130			V-05 †
n-Propylbenzene	9.96	1.0	µg/L	10.0		99.6	70-130			
Styrene	9.83	1.0	µg/L	10.0		98.3	70-130			
1,1,1,2-Tetrachloroethane	10.1	1.0	µg/L	10.0		101	70-130			
1,1,2,2-Tetrachloroethane	9.21	0.50	µg/L	10.0		92.1	70-130			
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Tetrahydrofuran	8.67	10	µg/L	10.0		86.7	70-130			
Toluene	11.3	1.0	µg/L	10.0		113	70-130			
1,2,3-Trichlorobenzene	9.08	5.0	µg/L	10.0		90.8	70-130			
1,2,4-Trichlorobenzene	8.59	1.0	µg/L	10.0		85.9	70-130			
1,3,5-Trichlorobenzene	9.90	1.0	µg/L	10.0		99.0	70-130			
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
Trichloroethylene	10.8	1.0	µg/L	10.0		108	70-130			
Trichlorofluoromethane (Freon 11)	11.9	2.0	µg/L	10.0		119	70-130			
1,2,3-Trichloropropane	8.63	2.0	µg/L	10.0		86.3	70-130			R-05

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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 B360383 - SW-846 5030B										
LCS (B360383-BS1)										
Prepared: 12/11/23 Analyzed: 12/12/23										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.2	1.0	µg/L	10.0		122	70-130			
1,2,4-Trimethylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,3,5-Trimethylbenzene	9.91	1.0	µg/L	10.0		99.1	70-130			
Vinyl Chloride	11.9	2.0	µg/L	10.0		119	40-160			†
m+p Xylene	20.8	2.0	µg/L	20.0		104	70-130			
o-Xylene	9.94	1.0	µg/L	10.0		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	25.5		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	26.4		µg/L	25.0		106	70-130			
Surrogate: 4-Bromofluorobenzene	23.1		µg/L	25.0		92.2	70-130			
LCS Dup (B360383-BSD1)										
Prepared: 12/11/23 Analyzed: 12/12/23										
Acetone	103	50	µg/L	100		103	70-160	11.0	25	†
Acrylonitrile	11.0	5.0	µg/L	10.0		110	70-130	9.35	25	
tert-Amyl Methyl Ether (TAME)	10.1	0.50	µg/L	10.0		101	70-130	0.0987	25	
Benzene	12.2	1.0	µg/L	10.0		122	70-130	2.98	25	
Bromobenzene	9.93	1.0	µg/L	10.0		99.3	70-130	1.01	25	
Bromochloromethane	11.8	1.0	µg/L	10.0		118	70-130	3.53	25	
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130	0.583	25	
Bromoform	8.05	1.0	µg/L	10.0		80.5	70-130	4.44	25	V-05
Bromomethane	16.6	2.0	µg/L	10.0		166	* 40-160	0.849	25	L-02, V-20 †
2-Butanone (MEK)	103	20	µg/L	100		103	40-160	1.07	25	†
tert-Butyl Alcohol (TBA)	91.3	20	µg/L	100		91.3	40-160	11.5	25	V-05 †
n-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130	1.51	25	
sec-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130	1.54	25	
tert-Butylbenzene	9.82	1.0	µg/L	10.0		98.2	70-130	2.61	25	
tert-Butyl Ethyl Ether (TBEE)	11.2	0.50	µg/L	10.0		112	70-130	0.356	25	
Carbon Disulfide	112	5.0	µg/L	100		112	70-130	4.54	25	
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106	70-130	3.42	25	
Chlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	2.16	25	
Chlorodibromomethane	9.70	0.50	µg/L	10.0		97.0	70-130	0.932	25	
Chloroethane	11.5	2.0	µg/L	10.0		115	70-130	1.21	25	
Chloroform	10.9	2.0	µg/L	10.0		109	70-130	2.04	25	
Chloromethane	10.3	2.0	µg/L	10.0		103	40-160	0.781	25	†
2-Chlorotoluene	10.0	1.0	µg/L	10.0		100	70-130	0.399	25	
4-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130	5.14	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.35	5.0	µg/L	10.0		83.5	70-130	6.56	25	
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130	5.42	25	
Dibromomethane	10.7	1.0	µg/L	10.0		107	70-130	1.78	25	
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	1.22	25	
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	0.664	25	
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	3.89	25	
trans-1,4-Dichloro-2-butene	7.69	2.0	µg/L	10.0		76.9	70-130	7.28	25	V-05
Dichlorodifluoromethane (Freon 12)	11.9	2.0	µg/L	10.0		119	40-160	1.09	25	†
1,1-Dichloroethane	12.0	1.0	µg/L	10.0		120	70-130	1.51	25	
1,2-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130	0.393	25	
1,1-Dichloroethylene	11.6	1.0	µg/L	10.0		116	70-130	4.67	25	
cis-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	7.99	25	
trans-1,2-Dichloroethylene	11.6	1.0	µg/L	10.0		116	70-130	4.66	25	
1,2-Dichloropropane	10.9	1.0	µg/L	10.0		109	70-130	2.23	25	
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105	70-130	0.571	25	
2,2-Dichloropropane	10.2	1.0	µg/L	10.0		102	40-130	7.78	25	†
1,1-Dichloropropene	11.6	2.0	µg/L	10.0		116	70-130	2.18	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 B360383 - SW-846 5030B										
LCS Dup (B360383-BSD1)				Prepared: 12/11/23 Analyzed: 12/12/23						
cis-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130	2.44	25	
trans-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130	6.23	25	
Diethyl Ether	11.5	2.0	µg/L	10.0		115	70-130	5.99	25	
Diisopropyl Ether (DIPE)	11.3	0.50	µg/L	10.0		113	70-130	0.531	25	
1,4-Dioxane	87.2	50	µg/L	100		87.2	40-130	7.79	50	† ‡
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130	0.763	25	
Hexachlorobutadiene	11.4	0.60	µg/L	10.0		114	70-130	0.176	25	
2-Hexanone (MBK)	90.0	10	µg/L	100		90.0	70-160	6.85	25	†
Isopropylbenzene (Cumene)	9.77	1.0	µg/L	10.0		97.7	70-130	1.76	25	
p-Isopropyltoluene (p-Cymene)	10.5	1.0	µg/L	10.0		105	70-130	0.861	25	
Methyl Acetate	10.8	1.0	µg/L	10.0		108	70-130	3.11	25	
Methyl tert-Butyl Ether (MTBE)	11.0	1.0	µg/L	10.0		110	70-130	1.56	25	
Methyl Cyclohexane	11.1	1.0	µg/L	10.0		111	70-130	0.983	25	
Methylene Chloride	11.1	5.0	µg/L	10.0		111	70-130	3.86	25	
4-Methyl-2-pentanone (MIBK)	90.3	10	µg/L	100		90.3	70-160	5.69	25	†
Naphthalene	7.26	2.0	µg/L	10.0		72.6	40-130	0.960	25	V-05 †
n-Propylbenzene	10.1	1.0	µg/L	10.0		101	70-130	1.79	25	
Styrene	9.90	1.0	µg/L	10.0		99.0	70-130	0.710	25	
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102	70-130	1.18	25	
1,1,2,2-Tetrachloroethane	9.66	0.50	µg/L	10.0		96.6	70-130	4.77	25	
Tetrachloroethylene	10.8	1.0	µg/L	10.0		108	70-130	2.34	25	
Tetrahydrofuran	9.48	10	µg/L	10.0		94.8	70-130	8.93	25	
Toluene	11.5	1.0	µg/L	10.0		115	70-130	1.85	25	
1,2,3-Trichlorobenzene	9.25	5.0	µg/L	10.0		92.5	70-130	1.85	25	
1,2,4-Trichlorobenzene	8.50	1.0	µg/L	10.0		85.0	70-130	1.05	25	
1,3,5-Trichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	4.93	25	
1,1,1-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130	2.61	25	
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130	0.00	25	
Trichloroethylene	10.7	1.0	µg/L	10.0		107	70-130	0.743	25	
Trichlorofluoromethane (Freon 11)	11.9	2.0	µg/L	10.0		119	70-130	0.168	25	
1,2,3-Trichloropropane	11.3	2.0	µg/L	10.0		113	70-130	26.7 *	25	R-05
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.7	1.0	µg/L	10.0		127	70-130	4.01	25	
1,2,4-Trimethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	1.35	25	
1,3,5-Trimethylbenzene	9.75	1.0	µg/L	10.0		97.5	70-130	1.63	25	
Vinyl Chloride	12.0	2.0	µg/L	10.0		120	40-160	0.585	25	†
m+p Xylene	21.1	2.0	µg/L	20.0		106	70-130	1.24	25	
o-Xylene	10.1	1.0	µg/L	10.0		101	70-130	1.79	25	
Surrogate: 1,2-Dichloroethane-d4	26.0		µg/L	25.0		104	70-130			
Surrogate: Toluene-d8	26.6		µg/L	25.0		106	70-130			
Surrogate: 4-Bromofluorobenzene	23.0		µg/L	25.0		92.2	70-130			

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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.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
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
<i>SW-846 8260D in Water</i>	
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
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

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 8260D in Water	
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
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
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024



Client: New York State Dept. of Environm

PAGE OF

FED-EX Tracking #

Bottle Order Control #

Lab Quote #

Lab Job #

Turnaround Time (Business Days) Approved By (Lab PM) / Date

Standard 14 Days

1 day RUSH

☒ Other: 10-day TAT

Laboratory Information

Lab: Con-Test (PACE) Analytical Laboratory

Address: 39 Spruce St. East Longmeadow, MA 01028

Phone: 413-525-2332

Lab PM: Kyle Murray

Lab PM Email: kyle.murray@pacelabs.com

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

FULLT1 (Level 3 & 4)

└ NJ Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

NJ Data of Known Quality Protocol Reporting

NYASP Category A

☐ NYASP Category B

State Forms

☒ **EDD Format compatible with most recent DEC format**

☐ Other

Please Email the EQ EDD Package to ges@equisonline.com

FOEDD Name: NYSDEC/Tonawanda/NY/ENiagaraSt/126_LabReport# 17811_FOEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.

Relinquished By Sampler: 1 Jessica Paterson	Date / Time: 1 12/6/23 1615	Received By: 1 GES FRIDGE
Relinquished By: 2 <i>[Signature]</i>	Date / Time: 2 12/7/23 1037	Received By: 2 <i>[Signature]</i>
Relinquished By: 3 <i>[Signature]</i> AAL	Date / Time: 3 12/7/23 1240	Received By: 3 <i>[Signature]</i> 0255 12-8-23
Custody Seal Number:	☐ Intact ☐ Not Intact	☐ Preserved where applicable ☐ On Ice Cooler Temp 2.4°C



DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

Log In Back-Sheet

Client GESProject PenetrationMCP/RCP Required N/ADeliverable Package Requirement N/ALocation 126 E. Virginia St. Fonda, MA 01461PWSID# (When Applicable) N/A

Arrival Method:

 Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐
Received By / Date / Time AM 8/8/23 855Back-Sheet By / Date / Time LAH/8/13/23 1452Temperature Method gm # 5Temp 6° C Actual Temperature 2.4Rush Samples: Yes / ☒ No / ☐ Notify ☐Short Hold: Yes / ☒ No / ☐ Notify ☐

Notes regarding Samples/COC outside of SOP:

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

	True	False
Received on Ice	☒	☐
Received in Cooler	☐	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐
COC Included: (Check all included)		
Client ☒ Analysis ☒ Sampler Name ☒		
Project ☒ IDs ☒ Collection Date/Time ☒		

All Samples Proper pH: N/A ☐ ☐

Additional Container Notes

Note: West Virginia requires all samples to have their
temperature taken. Note any outliers.



DC#_ Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

Sample		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Soils Jars	(Circle Amb/Clear)	16oz Amb/Clear																			
		8oz Amb/Clear																			
		4oz Amb/Clear																			
		2oz Amb/Clear																			
		Unpreserved																			
Ambers	1 Liter	HCL																			
		Sulfuric																			
	250mL	Sulfuric																			
		Phosphoric																			
	250mL	HCl																			
Plastics	100mL	Unpreserved																			
	1 liter	Unpreserved																			
	500mL	Sulfuric																			
		Unpreserved																			
	250mL	Sulfuric																			
VOA Vials		Unpreserved																			
		HCl																			
		MeOH																			
		D.I. Water																			
		Bisulfate																			
Other / Fill in		Col/Bact																			