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March 30, 2022

Laura Yellen
Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067

Project Location: Simsbury, CT
Client Job Number:
Project Number: 2180209
Laboratory Work Order Number: 22C1512

Enclosed are results of analyses for samples as received by the laboratory on March 23, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067
ATTN: Laura Yellen

REPORT DATE: 3/30/2022

PURCHASE ORDER NUMBER: 11003487

PROJECT NUMBER: 2180209

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22C1512

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

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-203	22C1512-01	Ground Water		CTDEP ETPH	
MW-2A	22C1512-02	Ground Water		CTDEP ETPH	
CCA-3	22C1512-03	Ground Water		SW-846 8270E	
MW-102	22C1512-04	Ground Water		CTDEP ETPH	
				SW-846 8260D	
MW-10	22C1512-05	Ground Water		CTDEP ETPH	
MW-11A	22C1512-06	Ground Water		CTDEP ETPH	
MW-T3	22C1512-07	Ground Water		CTDEP ETPH	
MW-T6	22C1512-08	Ground Water		CTDEP ETPH	
MW-TRW1	22C1512-09	Ground Water		CTDEP ETPH	
MW-401	22C1512-10	Ground Water		CTDEP ETPH	
				SW-846 8082A	
DUP-1	22C1512-11	Ground Water		CTDEP ETPH	
Trip Blank	22C1512-12	Ground Water		SW-846 8260D	

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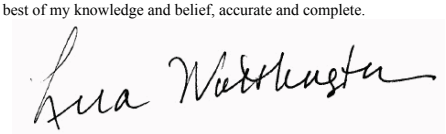
CASE NARRATIVE SUMMARY

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

For method 8270E, only PAHs were requested and reported.

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



Lisa A. Worthington
Technical Representative

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Project Location: Simsbury, CT
Sample Description:
Work Order: 22C1512

Date Received: 3/23/2022

Field Sample #: MW-203
Sampled: 3/22/2022 14:58

Sample ID: 22C1512-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.31	0.15	mg/L	1		CTDEP ETPH	3/25/22	3/29/22 1:33	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	68.8	50-150		3/29/22 1:33

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1512

Date Received: 3/23/2022

Field Sample #: MW-2A | Sampled: 3/22/2022 13:55

Sample ID: 22C1512-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.30	0.15	mg/L	1		CTDEP ETPH	3/25/22	3/29/22 1:02	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	64.5	50-150		3/29/22 1:02

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1512

Date Received: 3/23/2022

Field Sample #: CCA-3 | Sampled: 3/22/2022 10:00

Sample ID: 22C1512-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270E	3/24/22	3/28/22 17:08	IMR
Acenaphthylene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	3/24/22	3/28/22 17:08	IMR
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	3/24/22	3/28/22 17:08	IMR
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	3/24/22	3/28/22 17:08	IMR
Benzo(a)pyrene (SIM)	ND	0.096	µg/L	1		SW-846 8270E	3/24/22	3/28/22 17:08	IMR
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	3/24/22	3/28/22 17:08	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.48	µg/L	1		SW-846 8270E	3/24/22	3/28/22 17:08	IMR
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	3/24/22	3/28/22 17:08	IMR
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	3/24/22	3/28/22 17:08	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.096	µg/L	1		SW-846 8270E	3/24/22	3/28/22 17:08	IMR
Fluoranthene (SIM)	ND	0.48	µg/L	1		SW-846 8270E	3/24/22	3/28/22 17:08	IMR
Fluorene (SIM)	ND	0.96	µg/L	1		SW-846 8270E	3/24/22	3/28/22 17:08	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.096	µg/L	1		SW-846 8270E	3/24/22	3/28/22 17:08	IMR
2-Methylnaphthalene (SIM)	ND	0.96	µg/L	1		SW-846 8270E	3/24/22	3/28/22 17:08	IMR
Naphthalene (SIM)	ND	0.96	µg/L	1		SW-846 8270E	3/24/22	3/28/22 17:08	IMR
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	3/24/22	3/28/22 17:08	IMR
Pyrene (SIM)	ND	0.96	µg/L	1		SW-846 8270E	3/24/22	3/28/22 17:08	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	64.2	30-130		3/28/22 17:08
2-Fluorobiphenyl	58.9	30-130		3/28/22 17:08
p-Terphenyl-d14	68.7	30-130		3/28/22 17:08

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1512

Date Received: 3/23/2022

Field Sample #: MW-102 | Sampled: 3/22/2022 09:20

Sample ID: 22C1512-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Chloromethane	ND	0.60	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1512

Date Received: 3/23/2022

Field Sample #: MW-102 | Sampled: 3/22/2022 09:20

Sample ID: 22C1512-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 14:24	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		3/24/22 14:24
Toluene-d8	97.5	70-130		3/24/22 14:24
4-Bromofluorobenzene	97.0	70-130		3/24/22 14:24

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Project Location: Simsbury, CT
Sample Description:
Work Order: 22C1512

Date Received: 3/23/2022

Field Sample #: MW-102
Sampled: 3/22/2022 09:20

Sample ID: 22C1512-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.51	0.15	mg/L	1		CTDEP ETPH	3/25/22	3/28/22 21:10	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	72.0	50-150		3/28/22 21:10

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1512

Date Received: 3/23/2022

Field Sample #: MW-10 | Sampled: 3/22/2022 11:00

Sample ID: 22C1512-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.27	0.15	mg/L	1		CTDEP ETPH	3/25/22	3/28/22 21:30	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	64.3	50-150		3/28/22 21:30

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Project Location: Simsbury, CT
Sample Description:
Work Order: 22C1512
Date Received: 3/23/2022
Field Sample #: MW-11A
Sampled: 3/22/2022 11:45
Sample ID: 22C1512-06
Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.24	0.15	mg/L	1		CTDEP ETPH	3/25/22	3/28/22 22:31	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	62.3	50-150		3/28/22 22:31

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Project Location: Simsbury, CT
Sample Description:
Work Order: 22C1512

Date Received: 3/23/2022

Field Sample #: MW-T3
Sampled: 3/22/2022 11:57

Sample ID: 22C1512-07

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	2.3	0.15	mg/L	1		CTDEP ETPH	3/25/22	3/29/22 0:32	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	70.8	50-150		3/29/22 0:32

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Project Location: Simsbury, CT
Sample Description:
Work Order: 22C1512

Date Received: 3/23/2022

Field Sample #: MW-T6
Sampled: 3/22/2022 09:27

Sample ID: 22C1512-08

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.26	0.15	mg/L	1		CTDEP ETPH	3/25/22	3/28/22 21:50	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	68.8	50-150		3/28/22 21:50

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1512

Date Received: 3/23/2022

Field Sample #: MW-TRW1 | Sampled: 3/22/2022 10:41

Sample ID: 22C1512-09

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1.3	0.15	mg/L	1		CTDEP ETPH	3/25/22	3/28/22 23:01	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	61.5	50-150		3/28/22 23:01

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1512

Date Received: 3/23/2022

Field Sample #: MW-401 | Sampled: 3/22/2022 14:50

Sample ID: 22C1512-10

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/24/22	3/29/22 12:11	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/24/22	3/29/22 12:11	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/24/22	3/29/22 12:11	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/24/22	3/29/22 12:11	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/24/22	3/29/22 12:11	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/24/22	3/29/22 12:11	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/24/22	3/29/22 12:11	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/24/22	3/29/22 12:11	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/24/22	3/29/22 12:11	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.9	30-150		3/29/22 12:11
Decachlorobiphenyl [2]	99.7	30-150		3/29/22 12:11
Tetrachloro-m-xylene [1]	78.4	30-150		3/29/22 12:11
Tetrachloro-m-xylene [2]	84.1	30-150		3/29/22 12:11

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1512

Date Received: 3/23/2022

Field Sample #: MW-401 | Sampled: 3/22/2022 14:50

Sample ID: 22C1512-10

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.21	0.15	mg/L	1		CTDEP ETPH	3/25/22	3/28/22 23:31	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	67.1	50-150		3/28/22 23:31

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Project Location: Simsbury, CT
Sample Description:
Work Order: 22C1512

Date Received: 3/23/2022

Field Sample #: DUP-1
Sampled: 3/22/2022 00:00

Sample ID: 22C1512-11

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.22	0.15	mg/L	1		CTDEP ETPH	3/25/22	3/29/22 0:02	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	67.9	50-150		3/29/22 0:02

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1512

Date Received: 3/23/2022

Field Sample #: Trip Blank | Sampled: 3/22/2022 00:00

Sample ID: 22C1512-12

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	10	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Chloromethane	ND	0.60	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1512

Date Received: 3/23/2022

Field Sample #: Trip Blank | Sampled: 3/22/2022 00:00

Sample ID: 22C1512-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	3/24/22	3/24/22 10:17	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		3/24/22 10:17
Toluene-d8	97.4	70-130		3/24/22 10:17
4-Bromofluorobenzene	97.2	70-130		3/24/22 10:17

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Sample Extraction Data

Prep Method: SW-846 3510C **Analytical Method: CTDEP ETPH**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22C1512-01 [MW-203]	B304111	1000	1.00	03/25/22
22C1512-02 [MW-2A]	B304111	1000	1.00	03/25/22
22C1512-04 [MW-102]	B304111	1020	1.00	03/25/22
22C1512-05 [MW-10]	B304111	990	1.00	03/25/22
22C1512-06 [MW-11A]	B304111	1010	1.00	03/25/22
22C1512-07 [MW-T3]	B304111	1020	1.00	03/25/22
22C1512-08 [MW-T6]	B304111	1010	1.00	03/25/22
22C1512-09 [MW-TRW1]	B304111	1010	1.00	03/25/22
22C1512-10 [MW-401]	B304111	1020	1.00	03/25/22
22C1512-11 [DUP-1]	B304111	1000	1.00	03/25/22

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22C1512-10 [MW-401]	B303984	1000	10.0	03/24/22

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22C1512-04 [MW-102]	B304002	5	5.00	03/24/22
22C1512-12 [Trip Blank]	B304002	5	5.00	03/24/22

Prep Method: SW-846 3510C **Analytical Method: SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22C1512-03 [CCA-3]	B304285	1040	1.00	03/24/22

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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 B304002 - SW-846 5030B										
Blank (B304002-BLK1)				Prepared & Analyzed: 03/24/22						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	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	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	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 B304002 - SW-846 5030B										
Blank (B304002-BLK1)				Prepared & Analyzed: 03/24/22						
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*25.9*		µg/L	25.0		104	70-130			
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.4	70-130			
LCS (B304002-BS1)				Prepared & Analyzed: 03/24/22						
Acetone	109	10	µg/L	100		109	40-160			
Acrylonitrile	10.8	2.0	µg/L	10.0		108	70-130			
Benzene	9.47	0.50	µg/L	10.0		94.7	70-130			
Bromobenzene	10.1	0.50	µg/L	10.0		101	70-130			
Bromodichloromethane	9.99	0.50	µg/L	10.0		99.9	70-130			
Bromoform	11.8	0.50	µg/L	10.0		118	70-130			
Bromomethane	11.0	2.0	µg/L	10.0		110	40-160			
2-Butanone (MEK)	104	5.0	µg/L	100		104	40-160			
n-Butylbenzene	9.99	1.0	µg/L	10.0		99.9	70-130			
sec-Butylbenzene	9.97	1.0	µg/L	10.0		99.7	70-130			
tert-Butylbenzene	9.85	1.0	µg/L	10.0		98.5	70-130			
Carbon Disulfide	114	5.0	µg/L	100		114	70-130			
Carbon Tetrachloride	10.3	0.50	µg/L	10.0		103	70-130			
Chlorobenzene	10.2	0.50	µg/L	10.0		102	70-130			
Chlorodibromomethane	9.82	0.50	µg/L	10.0		98.2	40-160			
Chloroethane	11.4	0.50	µg/L	10.0		114	70-130			
Chloroform	9.93	0.50	µg/L	10.0		99.3	70-130			
Chloromethane	11.2	0.60	µg/L	10.0		112	40-160			
2-Chlorotoluene	9.44	0.50	µg/L	10.0		94.4	70-130			
4-Chlorotoluene	9.94	0.50	µg/L	10.0		99.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.7	1.0	µg/L	10.0		107	70-130			
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130			
Dibromomethane	9.52	0.50	µg/L	10.0		95.2	70-130			
1,2-Dichlorobenzene	9.95	0.50	µg/L	10.0		99.5	70-130			
1,3-Dichlorobenzene	10.1	0.50	µg/L	10.0		101	70-130			
1,4-Dichlorobenzene	9.92	0.50	µg/L	10.0		99.2	70-130			
trans-1,4-Dichloro-2-butene	9.47	2.0	µg/L	10.0		94.7	70-130			
Dichlorodifluoromethane (Freon 12)	10.0	0.50	µg/L	10.0		100	40-160			
1,1-Dichloroethane	9.94	0.50	µg/L	10.0		99.4	70-130			
1,2-Dichloroethane	9.08	0.50	µg/L	10.0		90.8	70-130			
1,1-Dichloroethylene	10.5	0.50	µg/L	10.0		105	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 B304002 - SW-846 5030B										
LCS (B304002-BS1)				Prepared & Analyzed: 03/24/22						
cis-1,2-Dichloroethylene	9.77	0.50	µg/L	10.0		97.7	70-130			
trans-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130			
1,2-Dichloropropane	9.77	0.50	µg/L	10.0		97.7	70-130			
1,3-Dichloropropane	9.83	0.50	µg/L	10.0		98.3	70-130			
2,2-Dichloropropane	10.0	0.50	µg/L	10.0		100	70-130			
1,1-Dichloropropene	9.78	0.50	µg/L	10.0		97.8	70-130			
cis-1,3-Dichloropropene	9.18	0.50	µg/L	10.0		91.8	70-130			
trans-1,3-Dichloropropene	8.96	0.50	µg/L	10.0		89.6	70-130			
Ethylbenzene	10.2	0.50	µg/L	10.0		102	70-130			
Hexachlorobutadiene	9.67	0.60	µg/L	10.0		96.7	40-160			
2-Hexanone (MBK)	107	5.0	µg/L	100		107	70-130			
Isopropylbenzene (Cumene)	10.2	0.50	µg/L	10.0		102	70-130			
p-Isopropyltoluene (p-Cymene)	9.83	0.50	µg/L	10.0		98.3	70-130			
Methyl tert-Butyl Ether (MTBE)	9.38	0.50	µg/L	10.0		93.8	70-130			
Methylene Chloride	10.6	5.0	µg/L	10.0		106	70-130			
4-Methyl-2-pentanone (MIBK)	106	5.0	µg/L	100		106	40-160			
Naphthalene	10.2	2.0	µg/L	10.0		102	70-130			
n-Propylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
Styrene	10.3	1.0	µg/L	10.0		103	70-130			
1,1,1,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	70-130			
1,1,2,2-Tetrachloroethane	10.9	0.50	µg/L	10.0		109	70-130			
Tetrachloroethylene	9.92	1.0	µg/L	10.0		99.2	70-130			
Tetrahydrofuran	10.4	10	µg/L	10.0		104	70-130			
Toluene	9.59	1.0	µg/L	10.0		95.9	70-130			
1,2,3-Trichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
1,2,4-Trichlorobenzene	10.2	0.50	µg/L	10.0		102	70-130			
1,1,1-Trichloroethane	10.2	0.50	µg/L	10.0		102	70-130			
1,1,2-Trichloroethane	9.78	0.50	µg/L	10.0		97.8	70-130			
Trichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
Trichlorofluoromethane (Freon 11)	10.4	2.0	µg/L	10.0		104	40-160			
1,2,3-Trichloropropane	10.9	0.50	µg/L	10.0		109	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	0.50	µg/L	10.0		105	70-130			
1,2,4-Trimethylbenzene	9.85	0.50	µg/L	10.0		98.5	70-130			
1,3,5-Trimethylbenzene	10.4	0.50	µg/L	10.0		104	70-130			
Vinyl Chloride	12.5	1.0	µg/L	10.0		125	70-130			
m+p Xylene	20.2	2.0	µg/L	20.0		101	70-130			
o-Xylene	10.0	1.0	µg/L	10.0		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	*25.8*		µg/L	25.0		103	70-130			
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.2	70-130			

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QUALITY CONTROL

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 B304285 - SW-846 3510C										
Blank (B304285-BLK1)				Prepared: 03/24/22 Analyzed: 03/28/22						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.20	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	*64.1*		µg/L	100		64.1	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*68.6*		µg/L	100		68.6	30-130			
Surrogate: 2-Fluorobiphenyl	*53.9*		µg/L	100		53.9	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*50.6*		µg/L	100		50.6	30-130			
Surrogate: p-Terphenyl-d14	*86.3*		µg/L	100		86.3	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*74.9*		µg/L	100		74.9	30-130			
LCS (B304285-BS1)				Prepared: 03/24/22 Analyzed: 03/28/22						
Acenaphthene (SIM)	30.2	6.0	µg/L	50.0		60.4	40-140			
Acenaphthylene (SIM)	33.8	4.0	µg/L	50.0		67.7	40-140			
Anthracene (SIM)	35.9	4.0	µg/L	50.0		71.8	40-140			
Benzo(a)anthracene (SIM)	36.3	1.0	µg/L	50.0		72.5	40-140			
Benzo(a)pyrene (SIM)	39.8	2.0	µg/L	50.0		79.6	40-140			
Benzo(b)fluoranthene (SIM)	38.7	1.0	µg/L	50.0		77.4	40-140			
Benzo(g,h,i)perylene (SIM)	41.5	10	µg/L	50.0		83.0	40-140			
Benzo(k)fluoranthene (SIM)	38.0	4.0	µg/L	50.0		76.0	40-140			
Chrysene (SIM)	35.0	4.0	µg/L	50.0		70.1	40-140			
Dibenz(a,h)anthracene (SIM)	43.7	2.0	µg/L	50.0		87.4	40-140			
Fluoranthene (SIM)	36.6	10	µg/L	50.0		73.2	40-140			
Fluorene (SIM)	33.7	20	µg/L	50.0		67.4	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	44.2	2.0	µg/L	50.0		88.4	40-140			
2-Methylnaphthalene (SIM)	30.5	20	µg/L	50.0		61.0	40-140			
Naphthalene (SIM)	25.7	20	µg/L	50.0		51.5	40-140			
Phenanthrene (SIM)	34.1	1.0	µg/L	50.0		68.1	40-140			
Pyrene (SIM)	33.9	20	µg/L	50.0		67.7	40-140			
Surrogate: Nitrobenzene-d5	*61.2*		µg/L	100		61.2	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*70.1*		µg/L	100		70.1	30-130			
Surrogate: 2-Fluorobiphenyl	*64.2*		µg/L	100		64.2	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*69.1*		µg/L	100		69.1	30-130			
Surrogate: p-Terphenyl-d14	*83.1*		µg/L	100		83.1	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*95.3*		µg/L	100		95.3	30-130			

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QUALITY CONTROL

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 B304285 - SW-846 3510C										
LCS Dup (B304285-BSD1)				Prepared: 03/24/22 Analyzed: 03/28/22						
Acenaphthene (SIM)	32.9	6.0	µg/L	50.0		65.8	40-140	8.56	20	
Acenaphthylene (SIM)	37.3	4.0	µg/L	50.0		74.6	40-140	9.73	20	
Anthracene (SIM)	37.7	4.0	µg/L	50.0		75.3	40-140	4.84	20	
Benzo(a)anthracene (SIM)	38.2	1.0	µg/L	50.0		76.3	40-140	5.11	20	
Benzo(a)pyrene (SIM)	42.7	2.0	µg/L	50.0		85.3	40-140	6.89	20	
Benzo(b)fluoranthene (SIM)	41.6	1.0	µg/L	50.0		83.2	40-140	7.22	20	
Benzo(g,h,i)perylene (SIM)	44.5	10	µg/L	50.0		89.0	40-140	6.98	20	
Benzo(k)fluoranthene (SIM)	40.7	4.0	µg/L	50.0		81.4	40-140	6.96	20	
Chrysene (SIM)	37.2	4.0	µg/L	50.0		74.4	40-140	6.03	20	
Dibenz(a,h)anthracene (SIM)	46.9	2.0	µg/L	50.0		93.9	40-140	7.10	20	
Fluoranthene (SIM)	37.3	10	µg/L	50.0		74.6	40-140	1.95	20	
Fluorene (SIM)	35.9	20	µg/L	50.0		71.8	40-140	6.32	20	
Indeno(1,2,3-cd)pyrene (SIM)	47.4	2.0	µg/L	50.0		94.9	40-140	7.07	20	
2-Methylnaphthalene (SIM)	34.3	20	µg/L	50.0		68.6	40-140	11.7	20	
Naphthalene (SIM)	29.8	20	µg/L	50.0		59.5	40-140	14.5	20	
Phenanthrene (SIM)	36.5	1.0	µg/L	50.0		73.0	40-140	6.86	20	
Pyrene (SIM)	36.5	20	µg/L	50.0		73.0	40-140	7.50	20	
Surrogate: Nitrobenzene-d5	*66.8*		µg/L	100		66.8	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*73.6*		µg/L	100		73.6	30-130			
Surrogate: 2-Fluorobiphenyl	*69.3*		µg/L	100		69.3	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*74.3*		µg/L	100		74.3	30-130			
Surrogate: p-Terphenyl-d14	*83.7*		µg/L	100		83.7	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*94.4*		µg/L	100		94.4	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B303984 - SW-846 3510C										
Blank (B303984-BLK1)				Prepared: 03/24/22 Analyzed: 03/29/22						
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	*1.96*		µg/L	2.00		97.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.21*		µg/L	2.00		110	30-150			
Surrogate: Tetrachloro-m-xylene	*1.50*		µg/L	2.00		75.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.61*		µg/L	2.00		80.7	30-150			
LCS (B303984-BS1)				Prepared: 03/24/22 Analyzed: 03/29/22						
Aroclor-1016	0.42	0.20	µg/L	0.500		84.5	40-140			
Aroclor-1016 [2C]	0.43	0.20	µg/L	0.500		86.7	40-140			
Aroclor-1260	0.42	0.20	µg/L	0.500		84.5	40-140			
Aroclor-1260 [2C]	0.44	0.20	µg/L	0.500		88.4	40-140			
Surrogate: Decachlorobiphenyl	*2.00*		µg/L	2.00		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.25*		µg/L	2.00		113	30-150			
Surrogate: Tetrachloro-m-xylene	*1.55*		µg/L	2.00		77.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.64*		µg/L	2.00		82.0	30-150			
LCS Dup (B303984-BSD1)				Prepared: 03/24/22 Analyzed: 03/29/22						
Aroclor-1016	0.40	0.20	µg/L	0.500		80.8	40-140	4.49	20	
Aroclor-1016 [2C]	0.44	0.20	µg/L	0.500		87.8	40-140	1.28	20	
Aroclor-1260	0.39	0.20	µg/L	0.500		78.9	40-140	6.89	20	
Aroclor-1260 [2C]	0.40	0.20	µg/L	0.500		79.7	40-140	10.4	20	
Surrogate: Decachlorobiphenyl	*1.78*		µg/L	2.00		89.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.99*		µg/L	2.00		99.7	30-150			
Surrogate: Tetrachloro-m-xylene	*1.48*		µg/L	2.00		74.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.56*		µg/L	2.00		77.8	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B304111 - SW-846 3510C										
Blank (B304111-BLK1)				Prepared: 03/25/22 Analyzed: 03/28/22						
CT ETPH	ND	0.15	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0678*		mg/L	0.100		67.8	50-150			
LCS (B304111-BS1)				Prepared: 03/25/22 Analyzed: 03/28/22						
CT ETPH	0.686	0.15	mg/L	1.00		68.6	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0646*		mg/L	0.100		64.6	50-150			
LCS Dup (B304111-BSD1)				Prepared: 03/25/22 Analyzed: 03/28/22						
CT ETPH	0.768	0.15	mg/L	1.00		76.8	60-120	11.4	30	
Surrogate: 2-Fluorobiphenyl	*0.0710*		mg/L	0.100		71.0	50-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B303984-BS1 Date(s) Analyzed: 03/29/2022 03/29/2022

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.42	
	2	0.000	0.000	0.000	0.43	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.42	
	2	0.000	0.000	0.000	0.44	4.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B303984-BSD1 Date(s) Analyzed: 03/29/2022 03/29/2022

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.40	
	2	0.000	0.000	0.000	0.44	9.5
Aroclor-1260	1	0.000	0.000	0.000	0.39	
	2	0.000	0.000	0.000	0.40	0.0

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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.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA
SW-846 8260D in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

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



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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

con-test ANALYTICAL LABORATORY

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Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	712 Brook Street, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 11003487
Project Manager:	Laura Yellen
Con-Test Bid:	n/a
Invoice Recipient:	Eversource (Drew Blicharz)
Sampled By:	Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: ☐ 5-7 Bus. Days ☑

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

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #: sirotnakw@wseinc.com

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PAHs *1	CT ETPH	VPH (HOLD)	EPH (Extract and HOLD)	PCBs	# of Containers	[2] Preservation Code	[3] Container Code
								2	2	2	2	2	2			
								H,I	I	I	H,I	H,I	I			
								V	A	A	V	A	A			
1	MW-203	3/22/22	1458		X	GW	U			X						
2	MW-2A		1355							X						
3	CCA-3		1000						X							
4	MW-102		920					X		X						
5	MW-10		1100							X						
6	MW-11A		1145							X	X	X				
7	MW-T3		1157							X						
8	MW-T6		927							X	X	X				
9	MW-TRW1		1041							X	X	X				
10	MW-401		1450							X			X			

Dissolved Metals Samples
O Field Filtered
O Lab to Filter

Orthophosphate Samples
O Field Filtered
O Lab to Filter

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

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

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

Comments: (1) Please bill Eversource directly - Send invoice and results to drew.blicharz@eversource.com

*1 - Run all PAH samples using SIM method at low detection limits. Eversource PO# 11003487

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

Relinquished by: (signature)		Date/Time: 3/23/22
Received by: (signature)	11:00	Date/Time: 3-23-22
Relinquished by: (signature)	11:40	Date/Time: 3-23-22
Received by: (signature)	1140	Date/Time: 3/23/22
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Detection Limit Requirements
MA
CT CTDEEP RSRs (includes RES DEC & GA PMC)
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____
NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	712 Brook Street, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 11003487
Project Manager:	Laura Yellen
Con-Test Bid:	n/a
Invoice Recipient:	Eversource (Drew Blicharz)
Sampled By:	Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: ☐ 5-7 Bus. Days ☑

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

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #: sirotnakw@wseinc.com

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PAHs *1	CT ETPH	VPH (HOLD)	EPH (Extract and HOLD)	PCBs	# of Containers	[2] Preservation Code	[3] Container Code
														2	2	2	2	2	2													

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

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Doc# 277 Rev 5 2017

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

Client Weston and Sampson - (For Eversource Energy)

Received By LA Date 3/23/22 Time 1140

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling F Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 5 Actual Temp - 4.6

By Blank # _____ Actual Temp - _____

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

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

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

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

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

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T Who was notified? _____

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

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

Were trip blanks received? Not On COC? F

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	22	1 Liter Plastic		16 oz Amb.	
HCL-	14	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass	2	Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

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

Comments:

C:\MSDChem\4\DATA\D032822\D22F087020.D

CT ETPH Discrimination Check

Data File Name D22F087020.D
Data File Path C:\MSDChem\4\DATA\D032822\
Operator RDD
Date Acquired 3/28/1922 19:13
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.34	7823386	9565729	18
C-10	2.11	8153675	9565729	15
C-12	3.12	8527979	9565729	11
C-14	3.86	8865512	9565729	7
C-16	4.48	9254740	9565729	3
C-18	5.03	9503863	9565729	1
C-20	5.62	9787368	9565729	-2
C-22	6.35	10035802	9565729	-5
C-24	7.18	10319663	9565729	-8
C-26	8.00	10391468	9565729	-9
C-28	8.74	10431915	9565729	-9
C-30	9.43	10387538	9565729	-9
C-32	10.07	10196871	9565729	-7
C-34	10.67	10088793	9565729	-5
C-36	11.23	9717364	9565729	-2

Samples

22C1512-04
22C1512-05
22C1512-08
22C1602-01
22C1512-06
22C1512-09
22C1512-10
22C1512-11
22C1512-07
22C1512-02
22C1512-01

*One compound allowed %D</=50

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test, a Pace Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 22C1512

Laboratory Sample ID(s):
22C1512-01 thru 22C1512-12

Sample Date(s):
03/22/2022

List RCP Methods Used:
CTDEP ETPH, SW-846 8082A, SW-846 8260D, SW-846 8270E

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Lisa A. Worthington

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Technical Representative**

Printed Name: **Lisa A. Worthington** **Date:** **03/30/22**

Name of Laboratory: **Con-Test, a Pace Analytical Laboratory**

This certification form is to be used for RCP methods only.

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April 6, 2022

Laura Yellen
Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067

Project Location: Simsbury, CT
Client Job Number:
Project Number: 2180209
Laboratory Work Order Number: 22C1513

Enclosed are results of analyses for samples as received by the laboratory on March 23, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067
ATTN: Laura Yellen

REPORT DATE: 4/6/2022

PURCHASE ORDER NUMBER: 11003487

PROJECT NUMBER: 2180209

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22C1513

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

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-T6	22C1513-02	Ground Water		MADEP EPH rev 2.1 SW-846 8270E	
MW-TRW1	22C1513-03	Ground Water		MADEP EPH rev 2.1 SW-846 8270E	

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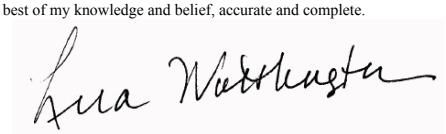
CASE NARRATIVE SUMMARY

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

For method 8270E, only a select list of PAHs was analyzed and reported in order to achieve lower detection limits than possible with EPH analysis.

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



Lisa A. Worthington
Technical Representative

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1513

Date Received: 3/23/2022

Field Sample #: MW-T6 | Sampled: 3/22/2022 09:27

Sample ID: 22C1513-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	3/29/22	4/5/22 12:38	IMR
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	3/29/22	4/5/22 12:38	IMR
Benzo(a)pyrene (SIM)	ND	0.098	µg/L	1		SW-846 8270E	3/29/22	4/5/22 12:38	IMR
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	3/29/22	4/5/22 12:38	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.098	µg/L	1		SW-846 8270E	3/29/22	4/5/22 12:38	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	3/29/22	4/5/22 12:38	IMR
Chrysene (SIM)	ND	0.098	µg/L	1		SW-846 8270E	3/29/22	4/5/22 12:38	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.098	µg/L	1		SW-846 8270E	3/29/22	4/5/22 12:38	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.098	µg/L	1		SW-846 8270E	3/29/22	4/5/22 12:38	IMR
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	3/29/22	4/5/22 12:38	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl (OTP)	72.4	30-130				4/5/22 12:38	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1513

Date Received: 3/23/2022

Field Sample #: MW-T6 | Sampled: 3/22/2022 09:27

Sample ID: 22C1513-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	98	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 9:59	TYH
C19-C36 Aliphatics	ND	98	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 9:59	TYH
Unadjusted C11-C22 Aromatics	ND	98	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 9:59	TYH
C11-C22 Aromatics	ND	98	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 9:59	TYH
Acenaphthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 9:59	TYH
Anthracene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 9:59	TYH
Fluoranthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 9:59	TYH
Fluorene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 9:59	TYH
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 9:59	TYH
Naphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 9:59	TYH
Pyrene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 9:59	TYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	77.4	40-140		4/6/22 9:59
o-Terphenyl (OTP)	70.2	40-140		4/6/22 9:59
2-Bromonaphthalene	107	40-140		4/6/22 9:59
2-Fluorobiphenyl	107	40-140		4/6/22 9:59

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1513

Date Received: 3/23/2022

Field Sample #: MW-TRW1 | Sampled: 3/22/2022 10:41

Sample ID: 22C1513-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthylene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	3/29/22	4/5/22 13:06	IMR
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	3/29/22	4/5/22 13:06	IMR
Benzo(a)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	3/29/22	4/5/22 13:06	IMR
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	3/29/22	4/5/22 13:06	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	3/29/22	4/5/22 13:06	IMR
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	3/29/22	4/5/22 13:06	IMR
Chrysene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	3/29/22	4/5/22 13:06	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	3/29/22	4/5/22 13:06	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	3/29/22	4/5/22 13:06	IMR
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	3/29/22	4/5/22 13:06	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl (OTP)	70.2	30-130				4/5/22 13:06	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1513

Date Received: 3/23/2022

Field Sample #: MW-TRW1 | Sampled: 3/22/2022 10:41

Sample ID: 22C1513-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	170	97	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 10:18	TYH
C19-C36 Aliphatics	260	97	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 10:18	TYH
Unadjusted C11-C22 Aromatics	210	97	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 10:18	TYH
C11-C22 Aromatics	210	97	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 10:18	TYH
Acenaphthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 10:18	TYH
Anthracene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 10:18	TYH
Fluoranthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 10:18	TYH
Fluorene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 10:18	TYH
2-Methylnaphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 10:18	TYH
Naphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 10:18	TYH
Pyrene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/29/22	4/6/22 10:18	TYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	73.0	40-140		4/6/22 10:18
o-Terphenyl (OTP)	71.7	40-140		4/6/22 10:18
2-Bromonaphthalene	105	40-140		4/6/22 10:18
2-Fluorobiphenyl	104	40-140		4/6/22 10:18

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Sample Extraction Data

Prep Method: SW-846 3510C **Analytical Method: MADEP EPH rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22C1513-02 [MW-T6]	B304394	1020	2.00	03/29/22
22C1513-03 [MW-TRW1]	B304394	1030	2.00	03/29/22

Prep Method: SW-846 3510C **Analytical Method: SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22C1513-02 [MW-T6]	B304485	1020	1.00	03/29/22
22C1513-03 [MW-TRW1]	B304485	1030	1.00	03/29/22

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QUALITY CONTROL

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 B304485 - SW-846 3510C										
Blank (B304485-BLK1)				Prepared: 03/29/22 Analyzed: 04/05/22						
Acenaphthylene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.10	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.10	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Surrogate: o-Terphenyl (OTP)	*85.9*		µg/L	100		85.9	30-130			
LCS (B304485-BS1)				Prepared: 03/29/22 Analyzed: 04/05/22						
Acenaphthylene (SIM)	66.6	8.0	µg/L	100		66.6	40-140			
Benzo(a)anthracene (SIM)	82.4	2.0	µg/L	100		82.4	40-140			
Benzo(a)pyrene (SIM)	86.8	4.0	µg/L	100		86.8	40-140			
Benzo(b)fluoranthene (SIM)	87.8	2.0	µg/L	100		87.8	40-140			
Benzo(g,h,i)perylene (SIM)	87.1	4.0	µg/L	100		87.1	40-140			
Benzo(k)fluoranthene (SIM)	79.9	8.0	µg/L	100		79.9	40-140			
Chrysene (SIM)	82.4	4.0	µg/L	100		82.4	40-140			
Dibenz(a,h)anthracene (SIM)	97.6	4.0	µg/L	100		97.6	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	104	4.0	µg/L	100		104	40-140			
Phenanthrene (SIM)	78.3	2.0	µg/L	100		78.3	40-140			
Surrogate: o-Terphenyl (OTP)	*89.3*		µg/L	100		89.3	30-130			
LCS Dup (B304485-BSD1)				Prepared: 03/29/22 Analyzed: 04/05/22						
Acenaphthylene (SIM)	66.0	8.0	µg/L	100		66.0	40-140	0.905	20	
Benzo(a)anthracene (SIM)	78.0	2.0	µg/L	100		78.0	40-140	5.54	20	
Benzo(a)pyrene (SIM)	82.6	4.0	µg/L	100		82.6	40-140	5.05	20	
Benzo(b)fluoranthene (SIM)	83.6	2.0	µg/L	100		83.6	40-140	4.90	20	
Benzo(g,h,i)perylene (SIM)	83.3	4.0	µg/L	100		83.3	40-140	4.46	20	
Benzo(k)fluoranthene (SIM)	76.3	8.0	µg/L	100		76.3	40-140	4.61	20	
Chrysene (SIM)	78.4	4.0	µg/L	100		78.4	40-140	4.98	20	
Dibenz(a,h)anthracene (SIM)	93.3	4.0	µg/L	100		93.3	40-140	4.53	20	
Indeno(1,2,3-cd)pyrene (SIM)	99.6	4.0	µg/L	100		99.6	40-140	4.21	20	
Phenanthrene (SIM)	74.4	2.0	µg/L	100		74.4	40-140	5.14	20	
Surrogate: o-Terphenyl (OTP)	*83.2*		µg/L	100		83.2	30-130			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B304394 - SW-846 3510C										
Blank (B304394-BLK1)				Prepared: 03/29/22 Analyzed: 04/06/22						
C9-C18 Aliphatics	ND	100	µg/L							
C19-C36 Aliphatics	ND	100	µg/L							
Unadjusted C11-C22 Aromatics	ND	100	µg/L							
C11-C22 Aromatics	ND	100	µg/L							
Acenaphthene	ND	2.0	µg/L							
Anthracene	ND	2.0	µg/L							
Fluoranthene	ND	2.0	µg/L							
Fluorene	ND	2.0	µg/L							
2-Methylnaphthalene	ND	2.0	µg/L							
Naphthalene	ND	2.0	µg/L							
Pyrene	ND	2.0	µg/L							
Naphthalene-aliphatic fraction	ND	2.0	µg/L							
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L							
Surrogate: Chlorooctadecane (COD)	*77.5*		µg/L	100		77.5	40-140			
Surrogate: o-Terphenyl (OTP)	*71.8*		µg/L	100		71.8	40-140			
Surrogate: 2-Bromonaphthalene	*104*		µg/L	100		104	40-140			
Surrogate: 2-Fluorobiphenyl	*103*		µg/L	100		103	40-140			
LCS (B304394-BS1)				Prepared: 03/29/22 Analyzed: 04/06/22						
C9-C18 Aliphatics	404	100	µg/L	600		67.4	0-200			
C19-C36 Aliphatics	676	100	µg/L	800		84.5	0-200			
Unadjusted C11-C22 Aromatics	1270	100	µg/L	1700		74.6	0-200			
Acenaphthene	66.6	2.0	µg/L	100		66.6	40-140			
Anthracene	74.8	2.0	µg/L	100		74.8	40-140			
Fluoranthene	76.5	2.0	µg/L	100		76.5	40-140			
Fluorene	71.5	2.0	µg/L	100		71.5	40-140			
2-Methylnaphthalene	57.0	2.0	µg/L	100		57.0	40-140			
Naphthalene	51.2	2.0	µg/L	100		51.2	40-140			
Pyrene	77.7	2.0	µg/L	100		77.7	40-140			
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	*83.3*		µg/L	100		83.3	40-140			
Surrogate: o-Terphenyl (OTP)	*77.0*		µg/L	100		77.0	40-140			
Surrogate: 2-Bromonaphthalene	*107*		µg/L	100		107	40-140			
Surrogate: 2-Fluorobiphenyl	*108*		µg/L	100		108	40-140			
LCS Dup (B304394-BSD1)				Prepared: 03/29/22 Analyzed: 04/06/22						
C9-C18 Aliphatics	400	100	µg/L	600		66.7	0-200	1.07		
C19-C36 Aliphatics	682	100	µg/L	800		85.2	0-200	0.831		
Unadjusted C11-C22 Aromatics	1350	100	µg/L	1700		79.5	0-200	6.37		
Acenaphthene	72.4	2.0	µg/L	100		72.4	40-140	8.31	25	
Anthracene	78.1	2.0	µg/L	100		78.1	40-140	4.35	25	
Fluoranthene	80.3	2.0	µg/L	100		80.3	40-140	4.83	25	
Fluorene	76.6	2.0	µg/L	100		76.6	40-140	7.00	25	
2-Methylnaphthalene	63.7	2.0	µg/L	100		63.7	40-140	11.1	25	
Naphthalene	58.1	2.0	µg/L	100		58.1	40-140	12.6	25	
Pyrene	81.6	2.0	µg/L	100		81.6	40-140	4.81	25	
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	*80.9*		µg/L	100		80.9	40-140			
Surrogate: o-Terphenyl (OTP)	*77.9*		µg/L	100		77.9	40-140			
Surrogate: 2-Bromonaphthalene	*106*		µg/L	100		106	40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B304394 - SW-846 3510C										
LCS Dup (B304394-BSD1)				Prepared: 03/29/22 Analyzed: 04/06/22						
Surrogate: 2-Fluorobiphenyl	*107*		µg/L	100		107	40-140			

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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.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP EPH rev 2.1 in Water	
C9-C18 Aliphatics	CT,NC,ME,NH-P
C19-C36 Aliphatics	CT,NC,ME,NH-P
Unadjusted C11-C22 Aromatics	CT,NC,ME,NH-P
C11-C22 Aromatics	CT,NC,ME,NH-P
Acenaphthene	CT,NC,ME,NH-P
Anthracene	CT,NC,ME,NH-P
Fluoranthene	CT,NC,ME,NH-P
Fluorene	CT,NC,ME
2-Methylnaphthalene	CT,NC
Naphthalene	CT,NC,ME,NH-P
Pyrene	CT,NC,ME,NH-P

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

22C1513

con-test ANALYTICAL LABORATORY

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Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	712 Brook Street, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 11003487
Project Manager:	Laura Yellen
Con-Test Bid:	n/a
Invoice Recipient:	Eversource (Drew Blicharz)
Sampled By:	Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: ☐ 5-7 Bus. Days ☑

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

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #: sirotnakw@wseinc.com

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	VOCs (8260)	PAHs *1	CT ETPH	VPH (HOLD)	EPH (Extract and HOLD)	PCBs
	MW-203	3/22/22	1458		X	GW	U			X			
	MW-2A		1355							X			
	CCA-3		1000						X				
	MW-102		920					X		X			
	MW-10		1100							X			
1	MW-11A		1145							X	X	X	
	MW-T3		1157							X			
2	MW-T6		927							X	X	X	
3	MW-TRW1		1041							X	X	X	
	MW-401		1450							X			X

ANALYSIS REQUESTED

# of Containers	2	2	2	2	2	2
[2] Preservation Code	H,I	I	I	H,I	H,I	I
[3] Container Code	V	A	A	V	A	A

Dissolved Metals Samples
O Field Filtered
O Lab to Filter

Orthophosphate Samples
O Field Filtered
O Lab to Filter

Comments: (1) Please bill Eversource directly - Send invoice and results to drew.blicharz@eversource.com

*1 - Run all PAH samples using SIM method at low detection limits. Eversource PO# 11003487

Please use the following co... within th... H - High; M - Mediu...

Activate samples -02 & -03 for EPH per Laura Y.

-KKM 3/30/22

Relinquished by: (signature)		Date/Time: 3/23/22
Received by: (signature)	11:00	Date/Time: 3-23-22
Relinquished by: (signature)	11:40	Date/Time: 3-23-22
Received by: (signature)	1140	Date/Time: 3/23/22
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Detection Limit Requirements
MA
CT — CTDEEP RSRs (includes RES DEC & GA PMC)
Other:

Program Information
O MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
O MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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

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

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

Table of Contents

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Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	712 Brook Street, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 11003487
Project Manager:	Laura Yellen
Con-Test Bid:	n/a
Invoice Recipient:	Eversource (Drew Blicharz)
Sampled By:	Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: ☐ 5-7 Bus. Days ☑

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

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #: sirotnakw@wseinc.com

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	VOCs (8260)	PAHs *1	CT ETPH	VPH (HOLD)	EPH (Extract and HOLD)	PCBs										
								2	2	2	2	2	2										
								H,I	I	I	H,I	H,I	I										
								V	A	A	V	A	A										
	Dup-1	3/22/22	—		X	GW	U			X	X	X											
	Trip Blanks	"	—					X															

ANALYSIS REQUESTED

# of Containers
[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
O Field Filtered
O Lab to Filter

Orthophosphate Samples
O Field Filtered
O Lab to Filter

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

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

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

Comments: (1) Please bill Eversource directly - Send invoice and results to drew.blicharz@eversource.com

*1 - Run all PAH samples using SIM method at low detection limits. Eversource PO# 11003487

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

Relinquished by: (signature)	Date/Time: 3/23/22
Received by: (signature)	Date/Time: 11:00 5-23-2022
Relinquished by: (signature)	Date/Time: 11:40 3-23-22
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT CTDEEP RSRs (includes RES DEC & GA PMC)
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client Weston and Sampson (for eversource energy)

Received By IA Date 3/23/22 Time 1140

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

Were samples within Temperature? 2-6°C T By Gun # S Actual Temp - 4.6
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? F
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Project T Analysis C ID's T Sampler Name T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F
Are there Rushes? F
Are there Short Holds? F
Is there enough Volume? T
Is there Headspace where applicable? N/A
Proper Media/Containers Used? T
Were trip blanks received? N/A
Do all samples have the proper pH? N/A

MS/MSD? F
Is splitting samples required? F
On COC? F
Acid _____ Base _____

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

Unused Media

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

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test, a Pace Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 22C1513

Laboratory Sample ID(s):

22C1513-01 thru 22C1513-04

Sample Date(s):

03/22/2022

List RCP Methods Used:

MADEP EPH rev 2.1, SW-846 8270E

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☑ Yes ☐ No ☐ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Lisa A. Worthington

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Technical Representative**

Printed Name: **Lisa A. Worthington** **Date:** **04/06/22**

Name of Laboratory: **Con-Test, a Pace Analytical Laboratory**

This certification form is to be used for RCP methods only.

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March 31, 2022

Laura Yellen
Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067

Project Location: Simsbury, CT
Client Job Number:
Project Number: 2180209
Laboratory Work Order Number: 22C1609

Enclosed are results of analyses for samples as received by the laboratory on March 24, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067
ATTN: Laura Yellen

REPORT DATE: 3/31/2022

PURCHASE ORDER NUMBER: 11003487

PROJECT NUMBER: 2180209

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22C1609

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

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
CCA-5	22C1609-01	Ground Water		CTDEP ETPH	
MW-101	22C1609-02	Ground Water		CTDEP ETPH	
MW-310	22C1609-03	Ground Water		CTDEP ETPH	
MW-202	22C1609-04	Ground Water		CTDEP ETPH	
Trip Blank	22C1609-05	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:

V-05

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

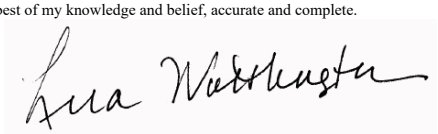
Analyte & Samples(s) Qualified:

Bromomethane
22C1609-05[Trip Blank], B304118-BLK1, B304118-BS1, S069662-CCV1

Chloromethane
22C1609-05[Trip Blank], B304118-BLK1, B304118-BS1, S069662-CCV1

Hexachlorobutadiene
22C1609-05[Trip Blank], B304118-BLK1, B304118-BS1, S069662-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

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Project Location: Simsbury, CT
Sample Description:
Work Order: 22C1609

Date Received: 3/24/2022

Field Sample #: CCA-5
Sampled: 3/23/2022 10:15

Sample ID: 22C1609-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.15	mg/L	1		CTDEP ETPH	3/28/22	3/29/22 18:55	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	74.5	50-150		3/29/22 18:55

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1609

Date Received: 3/24/2022

Field Sample #: MW-101 | Sampled: 3/23/2022 12:50

Sample ID: 22C1609-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.19	0.14	mg/L	1		CTDEP ETPH	3/28/22	3/29/22 19:36	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	58.4	50-150		3/29/22 19:36

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Project Location: Simsbury, CT
Sample Description:
Work Order: 22C1609

Date Received: 3/24/2022

Field Sample #: MW-310
Sampled: 3/23/2022 08:45

Sample ID: 22C1609-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	6.5	1.5	mg/L	10		CTDEP ETPH	3/28/22	3/30/22 8:44	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	84.0	50-150		3/30/22 8:44

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1609

Date Received: 3/24/2022

Field Sample #: MW-202 | Sampled: 3/23/2022 09:57

Sample ID: 22C1609-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.32	0.15	mg/L	1		CTDEP ETPH	3/28/22	3/29/22 20:16	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	60.7	50-150		3/29/22 20:16

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1609

Date Received: 3/24/2022

Field Sample #: Trip Blank | Sampled: 3/23/2022 00:00

Sample ID: 22C1609-05

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	10	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	3/25/22	3/25/22 15:17	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Chloromethane	ND	0.60	µg/L	1	V-05	SW-846 8260D	3/25/22	3/25/22 15:17	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1	V-05	SW-846 8260D	3/25/22	3/25/22 15:17	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1609

Date Received: 3/24/2022

Field Sample #: Trip Blank | Sampled: 3/23/2022 00:00

Sample ID: 22C1609-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	3/25/22	3/25/22 15:17	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		3/25/22 15:17
Toluene-d8	97.8	70-130		3/25/22 15:17
4-Bromofluorobenzene	96.6	70-130		3/25/22 15:17

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Sample Extraction Data

Prep Method: SW-846 3510C **Analytical Method: CTDEP ETPH**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22C1609-01 [CCA-5]	B304248	1010	1.00	03/28/22
22C1609-02 [MW-101]	B304248	980	0.900	03/28/22
22C1609-03 [MW-310]	B304248	1030	1.00	03/28/22
22C1609-04 [MW-202]	B304248	1000	1.00	03/28/22

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22C1609-05 [Trip Blank]	B304118	5	5.00	03/25/22

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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 B304118 - SW-846 5030B										
Blank (B304118-BLK1)				Prepared & Analyzed: 03/25/22						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							V-05
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							V-05
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							V-05
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	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	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	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 B304118 - SW-846 5030B										
Blank (B304118-BLK1)				Prepared & Analyzed: 03/25/22						
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*25.1*		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	*24.2*		µg/L	25.0		97.0	70-130			
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.0		98.0	70-130			
LCS (B304118-BS1)				Prepared & Analyzed: 03/25/22						
Acetone	124	10	µg/L	100		124	40-160			
Acrylonitrile	11.7	2.0	µg/L	10.0		117	70-130			
Benzene	9.32	0.50	µg/L	10.0		93.2	70-130			
Bromobenzene	10.0	0.50	µg/L	10.0		100	70-130			
Bromodichloromethane	10.0	0.50	µg/L	10.0		100	70-130			
Bromoform	12.1	0.50	µg/L	10.0		121	70-130			
Bromomethane	9.15	2.0	µg/L	10.0		91.5	40-160			V-05
2-Butanone (MEK)	126	5.0	µg/L	100		126	40-160			
n-Butylbenzene	8.99	1.0	µg/L	10.0		89.9	70-130			
sec-Butylbenzene	9.27	1.0	µg/L	10.0		92.7	70-130			
tert-Butylbenzene	9.35	1.0	µg/L	10.0		93.5	70-130			
Carbon Disulfide	104	5.0	µg/L	100		104	70-130			
Carbon Tetrachloride	10.1	0.50	µg/L	10.0		101	70-130			
Chlorobenzene	10.2	0.50	µg/L	10.0		102	70-130			
Chlorodibromomethane	10.2	0.50	µg/L	10.0		102	40-160			
Chloroethane	9.92	0.50	µg/L	10.0		99.2	70-130			
Chloroform	9.95	0.50	µg/L	10.0		99.5	70-130			
Chloromethane	8.43	0.60	µg/L	10.0		84.3	40-160			V-05
2-Chlorotoluene	9.26	0.50	µg/L	10.0		92.6	70-130			
4-Chlorotoluene	9.72	0.50	µg/L	10.0		97.2	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	11.4	1.0	µg/L	10.0		114	70-130			
1,2-Dibromoethane (EDB)	10.5	0.50	µg/L	10.0		105	70-130			
Dibromomethane	9.97	0.50	µg/L	10.0		99.7	70-130			
1,2-Dichlorobenzene	10.0	0.50	µg/L	10.0		100	70-130			
1,3-Dichlorobenzene	9.78	0.50	µg/L	10.0		97.8	70-130			
1,4-Dichlorobenzene	9.83	0.50	µg/L	10.0		98.3	70-130			
trans-1,4-Dichloro-2-butene	9.74	2.0	µg/L	10.0		97.4	70-130			
Dichlorodifluoromethane (Freon 12)	9.07	0.50	µg/L	10.0		90.7	40-160			
1,1-Dichloroethane	9.72	0.50	µg/L	10.0		97.2	70-130			
1,2-Dichloroethane	9.14	0.50	µg/L	10.0		91.4	70-130			
1,1-Dichloroethylene	9.75	0.50	µg/L	10.0		97.5	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
Batch B304118 - SW-846 5030B										
LCS (B304118-BS1)				Prepared & Analyzed: 03/25/22						
cis-1,2-Dichloroethylene	9.69	0.50	µg/L	10.0		96.9	70-130			
trans-1,2-Dichloroethylene	9.05	1.0	µg/L	10.0		90.5	70-130			
1,2-Dichloropropane	9.85	0.50	µg/L	10.0		98.5	70-130			
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102	70-130			
2,2-Dichloropropane	9.40	0.50	µg/L	10.0		94.0	70-130			
1,1-Dichloropropene	9.64	0.50	µg/L	10.0		96.4	70-130			
cis-1,3-Dichloropropene	9.03	0.50	µg/L	10.0		90.3	70-130			
trans-1,3-Dichloropropene	8.97	0.50	µg/L	10.0		89.7	70-130			
Ethylbenzene	9.90	0.50	µg/L	10.0		99.0	70-130			
Hexachlorobutadiene	8.42	0.60	µg/L	10.0		84.2	40-160			V-05
2-Hexanone (MBK)	126	5.0	µg/L	100		126	70-130			
Isopropylbenzene (Cumene)	10.0	0.50	µg/L	10.0		100	70-130			
p-Isopropyltoluene (p-Cymene)	9.24	0.50	µg/L	10.0		92.4	70-130			
Methyl tert-Butyl Ether (MTBE)	9.97	0.50	µg/L	10.0		99.7	70-130			
Methylene Chloride	10.1	5.0	µg/L	10.0		101	70-130			
4-Methyl-2-pentanone (MIBK)	122	5.0	µg/L	100		122	40-160			
Naphthalene	11.3	2.0	µg/L	10.0		113	70-130			
n-Propylbenzene	9.76	1.0	µg/L	10.0		97.6	70-130			
Styrene	10.3	1.0	µg/L	10.0		103	70-130			
1,1,1,2-Tetrachloroethane	10.5	0.50	µg/L	10.0		105	70-130			
1,1,2,2-Tetrachloroethane	11.9	0.50	µg/L	10.0		119	70-130			
Tetrachloroethylene	9.83	1.0	µg/L	10.0		98.3	70-130			
Tetrahydrofuran	12.8	10	µg/L	10.0		128	70-130			
Toluene	9.51	1.0	µg/L	10.0		95.1	70-130			
1,2,3-Trichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130			
1,2,4-Trichlorobenzene	10.0	0.50	µg/L	10.0		100	70-130			
1,1,1-Trichloroethane	10.1	0.50	µg/L	10.0		101	70-130			
1,1,2-Trichloroethane	10.4	0.50	µg/L	10.0		104	70-130			
Trichloroethylene	9.78	1.0	µg/L	10.0		97.8	70-130			
Trichlorofluoromethane (Freon 11)	9.79	2.0	µg/L	10.0		97.9	40-160			
1,2,3-Trichloropropane	11.7	0.50	µg/L	10.0		117	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1	0.50	µg/L	10.0		101	70-130			
1,2,4-Trimethylbenzene	9.28	0.50	µg/L	10.0		92.8	70-130			
1,3,5-Trimethylbenzene	9.83	0.50	µg/L	10.0		98.3	70-130			
Vinyl Chloride	10.7	1.0	µg/L	10.0		107	70-130			
m+p Xylene	19.6	2.0	µg/L	20.0		97.8	70-130			
o-Xylene	9.79	1.0	µg/L	10.0		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	*25.8*		µg/L	25.0		103	70-130			
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.4	70-130			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B304248 - SW-846 3510C										
Blank (B304248-BLK1)				Prepared: 03/28/22 Analyzed: 03/29/22						
CT ETPH	ND	0.15	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0731*		mg/L	0.100		73.1	50-150			
LCS (B304248-BS1)				Prepared: 03/28/22 Analyzed: 03/29/22						
CT ETPH	0.933	0.15	mg/L	1.00		93.3	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0818*		mg/L	0.100		81.8	50-150			
LCS Dup (B304248-BSD1)				Prepared: 03/28/22 Analyzed: 03/29/22						
CT ETPH	0.743	0.15	mg/L	1.00		74.3	60-120	22.7	30	
Surrogate: 2-Fluorobiphenyl	*0.0604*		mg/L	0.100		60.4	50-150			

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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.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 8260D in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

22C1609

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	712 Brook Street, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 11003487
Project Manager:	Laura Yellen
Con-Test Bid:	n/a
Invoice Recipient:	Eversource (Drew Blicharz)
Sampled By:	Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: ☐ 5-7 Bus. Days ☑

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

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #: sirotnakw@wseinc.com

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PAHs *1	CT ETPH	VPH (HOLD)	EPH (Extract and HOLD)	PCBs						
	# of Containers							2	2	2	2	2	2						
	[2] Preservation Code							H,I	I	I	H,I	H,I	I						
	[3] Container Code							V	A	A	V	A	A						
1	CCA-5	3/23/22	1015		X	GW	U			X	X	X							
2	MW-101	"	1250							X	X	X							
3	MW-310	"	845							X									
4	MW-202	"	957							X	X	X							
5	Trip Blank	"	—					X											

ANALYSIS REQUESTED

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: (1) Please bill Eversource directly - Send invoice and results to drew.blicharz@eversource.com

*1 - Run all PAH samples using SIM method at low detection limits. Eversource PO# 11003487

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

Relinquished by: (signature)	Date/Time: 3/24/22	
Received by: (signature) 12:20	Date/Time: 3-24-22	
Relinquished by: (signature) 15:10	Date/Time: 3-24-22	
Received by: (signature) 20 2 B10	Date/Time: 3/24/22	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA
CT CTDEEP RSRs (includes RES DEC & GA PMC)
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Table of Contents

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____	con-test® ANALYTICAL LABORATORY Doc# 277 Rev 5 2017

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

Client Weston + Sampson

Received By DK Date 3/24/22 Time 1510

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 2.0

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

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

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

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

Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample labels filled out and legible? T

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

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

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

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

Were trip blanks received? T On COC? F

Do all samples have the proper pH? Acid T Base _____

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

Unused Media

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

Comments:

C:\MSDChem\4\DATA\D032922\D22F088052.D

CT ETPH Discrimination Check

Data File Name D22F088052.D
Data File Path C:\MSDChem\4\DATA\D032922\
Operator CJM
Date Acquired 3/30/1922 2:39
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.34	7279396	8488946	14
C-10	2.11	7609776	8488946	10
C-12	3.12	7926473	8488946	7
C-14	3.86	8148559	8488946	4
C-16	4.47	8416831	8488946	1
C-18	5.03	8544600	8488946	-1
C-20	5.62	8740433	8488946	-3
C-22	6.35	8870469	8488946	-4
C-24	7.18	9040972	8488946	-7
C-26	8.00	9061484	8488946	-7
C-28	8.74	9009894	8488946	-6
C-30	9.43	8925861	8488946	-5
C-32	10.07	8748197	8488946	-3
C-34	10.67	8650413	8488946	-2
C-36	11.23	8360828	8488946	2

Samples
22C1609-03

*One compound allowed %D</=50

C:\MSDChem\4\DATA\D032922.SEC\D22F088007.D

CT ETPH Discrimination Check

Data File Name D22F088007.D
Data File Path C:\MSDChem\4\DATA\D032922.SEC\
Operator CJM
Date Acquired 3/29/1922 18:15
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.36	8083498	9672284	16
C-10	2.12	8425022	9672284	13
C-12	3.11	8890546	9672284	8
C-14	3.84	11079579	9672284	-15
C-16	4.45	9712889	9672284	0
C-18	4.99	9539163	9672284	1
C-20	5.57	9806000	9672284	-1
C-22	6.28	9955480	9672284	-3
C-24	7.10	10016330	9672284	-4
C-26	7.91	9936166	9672284	-3
C-28	8.66	9938052	9672284	-3
C-30	9.34	9965108	9672284	-3
C-32	9.98	9909527	9672284	-2
C-34	10.57	10025253	9672284	-4
C-36	11.13	9801651	9672284	-1

Samples
22C1609-01
22C1543-02
22C1609-02
22C1609-04

*One compound allowed %D</=50

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test, a Pace Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 22C1609

Laboratory Sample ID(s):
22C1609-01 thru 22C1609-05

Sample Date(s):
03/23/2022

List RCP Methods Used:
CTDEP ETPH, SW-846 8260D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Lisa A. Worthington

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Technical Representative**

Printed Name: **Lisa A. Worthington** **Date:** **03/31/22**

Name of Laboratory: **Con-Test, a Pace Analytical Laboratory**

This certification form is to be used for RCP methods only.

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April 4, 2022

Laura Yellen
Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067

Project Location: Simsbury, CT
Client Job Number:
Project Number: 2180209
Laboratory Work Order Number: 22C1611

Enclosed are results of analyses for samples as received by the laboratory on March 24, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067
ATTN: Laura Yellen

REPORT DATE: 4/4/2022

PURCHASE ORDER NUMBER: 11003487

PROJECT NUMBER: 2180209

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22C1611

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

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-202	22C1611-03	Ground Water		MADEP EPH rev 2.1 MADEP-VPH-Feb 2018 Rev 2.1 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.

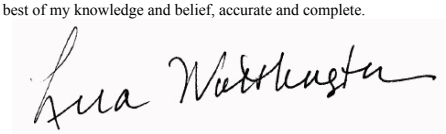
For method 8270E, only a select list of PAHs was analyzed and reported in order to achieve lower detection limits than possible with EPH analysis.

MADEP-VPH-Feb 2018 Rev 2.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

Analytical column used for VPH analysis is Restek, Rtx-502.2, 105meter, 0.53mmID, 3um df. Trap used for VPH analysis is Carbopack B/CarboSieveS-III.

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



Lisa A. Worthington
Technical Representative

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1611

Date Received: 3/24/2022

Field Sample #: MW-202 | Sampled: 3/23/2022 09:57

Sample ID: 22C1611-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	3/28/22	4/1/22 9:21	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	3/28/22	4/1/22 9:21	IMR
Benzo(a)pyrene (SIM)	ND	0.099	µg/L	1		SW-846 8270E	3/28/22	4/1/22 9:21	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	3/28/22	4/1/22 9:21	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.099	µg/L	1		SW-846 8270E	3/28/22	4/1/22 9:21	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	3/28/22	4/1/22 9:21	IMR
Chrysene (SIM)	ND	0.099	µg/L	1		SW-846 8270E	3/28/22	4/1/22 9:21	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.099	µg/L	1		SW-846 8270E	3/28/22	4/1/22 9:21	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.099	µg/L	1		SW-846 8270E	3/28/22	4/1/22 9:21	IMR
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	3/28/22	4/1/22 9:21	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl (OTP)	81.4	30-130				4/1/22 9:21	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1611

Date Received: 3/24/2022

Field Sample #: MW-202 | Sampled: 3/23/2022 09:57

Sample ID: 22C1611-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	99	µg/L	1		MADEP EPH rev 2.1	3/28/22	3/31/22 12:19	TYH
C19-C36 Aliphatics	ND	99	µg/L	1		MADEP EPH rev 2.1	3/28/22	3/31/22 12:19	TYH
Unadjusted C11-C22 Aromatics	ND	99	µg/L	1		MADEP EPH rev 2.1	3/28/22	3/31/22 12:19	TYH
C11-C22 Aromatics	ND	99	µg/L	1		MADEP EPH rev 2.1	3/28/22	3/31/22 12:19	TYH
Acenaphthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/28/22	3/31/22 12:19	TYH
Anthracene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/28/22	3/31/22 12:19	TYH
Fluoranthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/28/22	3/31/22 12:19	TYH
Fluorene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/28/22	3/31/22 12:19	TYH
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/28/22	3/31/22 12:19	TYH
Naphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/28/22	3/31/22 12:19	TYH
Pyrene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/28/22	3/31/22 12:19	TYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	85.8	40-140		3/31/22 12:19
o-Terphenyl (OTP)	79.8	40-140		3/31/22 12:19
2-Bromonaphthalene	103	40-140		3/31/22 12:19
2-Fluorobiphenyl	102	40-140		3/31/22 12:19

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1611

Date Received: 3/24/2022

Field Sample #: MW-202 | Sampled: 3/23/2022 09:57

Sample ID: 22C1611-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	4/1/22	4/1/22 13:33	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	4/1/22	4/1/22 13:33	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	4/1/22	4/1/22 13:33	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	4/1/22	4/1/22 13:33	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	4/1/22	4/1/22 13:33	KMB
Benzene	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	4/1/22	4/1/22 13:33	KMB
Ethylbenzene	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	4/1/22	4/1/22 13:33	KMB
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	4/1/22	4/1/22 13:33	KMB
Naphthalene	ND	5.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	4/1/22	4/1/22 13:33	KMB
Toluene	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	4/1/22	4/1/22 13:33	KMB
m+p Xylene	ND	2.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	4/1/22	4/1/22 13:33	KMB
o-Xylene	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	4/1/22	4/1/22 13:33	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2,5-Dibromotoluene (FID)	70.0	70-130		4/1/22 13:33	
2,5-Dibromotoluene (PID)	71.7	70-130		4/1/22 13:33	

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Sample Extraction Data

Prep Method: SW-846 3510C **Analytical Method: MADEP EPH rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22C1611-03 [MW-202]	B304272	1010	2.00	03/28/22

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22C1611-03 [MW-202]	B304712	5	5.00	04/01/22

Prep Method: SW-846 3510C **Analytical Method: SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22C1611-03 [MW-202]	B304483	1010	1.00	03/28/22

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QUALITY CONTROL

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 B304483 - SW-846 3510C										
Blank (B304483-BLK1)				Prepared: 03/28/22 Analyzed: 03/30/22						
Acenaphthylene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.10	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.10	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Surrogate: o-Terphenyl (OTP)	*72.6*		µg/L	100		72.6	30-130			
LCS (B304483-BS1)				Prepared: 03/28/22 Analyzed: 03/30/22						
Acenaphthylene (SIM)	69.8	8.0	µg/L	100		69.8	40-140			
Benzo(a)anthracene (SIM)	83.6	2.0	µg/L	100		83.6	40-140			
Benzo(a)pyrene (SIM)	86.5	4.0	µg/L	100		86.5	40-140			
Benzo(b)fluoranthene (SIM)	90.5	2.0	µg/L	100		90.5	40-140			
Benzo(g,h,i)perylene (SIM)	84.7	4.0	µg/L	100		84.7	40-140			
Benzo(k)fluoranthene (SIM)	80.9	8.0	µg/L	100		80.9	40-140			
Chrysene (SIM)	83.4	4.0	µg/L	100		83.4	40-140			
Dibenz(a,h)anthracene (SIM)	95.4	4.0	µg/L	100		95.4	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	98.2	4.0	µg/L	100		98.2	40-140			
Phenanthrene (SIM)	79.0	2.0	µg/L	100		79.0	40-140			
Surrogate: o-Terphenyl (OTP)	*91.1*		µg/L	100		91.1	30-130			
LCS Dup (B304483-BSD1)				Prepared: 03/28/22 Analyzed: 03/30/22						
Acenaphthylene (SIM)	70.0	8.0	µg/L	100		70.0	40-140	0.229	20	
Benzo(a)anthracene (SIM)	80.9	2.0	µg/L	100		80.9	40-140	3.36	20	
Benzo(a)pyrene (SIM)	84.7	4.0	µg/L	100		84.7	40-140	2.10	20	
Benzo(b)fluoranthene (SIM)	87.8	2.0	µg/L	100		87.8	40-140	2.96	20	
Benzo(g,h,i)perylene (SIM)	82.5	4.0	µg/L	100		82.5	40-140	2.63	20	
Benzo(k)fluoranthene (SIM)	79.4	8.0	µg/L	100		79.4	40-140	1.80	20	
Chrysene (SIM)	80.8	4.0	µg/L	100		80.8	40-140	3.12	20	
Dibenz(a,h)anthracene (SIM)	93.7	4.0	µg/L	100		93.7	40-140	1.82	20	
Indeno(1,2,3-cd)pyrene (SIM)	97.1	4.0	µg/L	100		97.1	40-140	1.15	20	
Phenanthrene (SIM)	78.2	2.0	µg/L	100		78.2	40-140	1.02	20	
Surrogate: o-Terphenyl (OTP)	*92.4*		µg/L	100		92.4	30-130			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B304272 - SW-846 3510C										
Blank (B304272-BLK1)				Prepared: 03/28/22 Analyzed: 03/30/22						
C9-C18 Aliphatics	ND	100	µg/L							
C19-C36 Aliphatics	ND	100	µg/L							
Unadjusted C11-C22 Aromatics	ND	100	µg/L							
C11-C22 Aromatics	ND	100	µg/L							
Acenaphthene	ND	2.0	µg/L							
Anthracene	ND	2.0	µg/L							
Fluoranthene	ND	2.0	µg/L							
Fluorene	ND	2.0	µg/L							
2-Methylnaphthalene	ND	2.0	µg/L							
Naphthalene	ND	2.0	µg/L							
Pyrene	ND	2.0	µg/L							
Naphthalene-aliphatic fraction	ND	2.0	µg/L							
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L							
Surrogate: Chlorooctadecane (COD)	*84.4*		µg/L	100		84.4	40-140			
Surrogate: o-Terphenyl (OTP)	*80.5*		µg/L	100		80.5	40-140			
Surrogate: 2-Bromonaphthalene	*107*		µg/L	100		107	40-140			
Surrogate: 2-Fluorobiphenyl	*107*		µg/L	100		107	40-140			
LCS (B304272-BS1)				Prepared: 03/28/22 Analyzed: 03/30/22						
C9-C18 Aliphatics	438	100	µg/L	600		73.0	0-200			
C19-C36 Aliphatics	782	100	µg/L	800		97.8	0-200			
Unadjusted C11-C22 Aromatics	1400	100	µg/L	1700		82.4	0-200			
Acenaphthene	75.1	2.0	µg/L	100		75.1	40-140			
Anthracene	81.6	2.0	µg/L	100		81.6	40-140			
Fluoranthene	82.7	2.0	µg/L	100		82.7	40-140			
Fluorene	79.7	2.0	µg/L	100		79.7	40-140			
2-Methylnaphthalene	68.6	2.0	µg/L	100		68.6	40-140			
Naphthalene	62.3	2.0	µg/L	100		62.3	40-140			
Pyrene	83.7	2.0	µg/L	100		83.7	40-140			
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	*86.8*		µg/L	100		86.8	40-140			
Surrogate: o-Terphenyl (OTP)	*82.6*		µg/L	100		82.6	40-140			
Surrogate: 2-Bromonaphthalene	*103*		µg/L	100		103	40-140			
Surrogate: 2-Fluorobiphenyl	*103*		µg/L	100		103	40-140			
LCS Dup (B304272-BSD1)				Prepared: 03/28/22 Analyzed: 03/30/22						
C9-C18 Aliphatics	438	100	µg/L	600		73.0	0-200	0.0456		
C19-C36 Aliphatics	776	100	µg/L	800		97.1	0-200	0.728		
Unadjusted C11-C22 Aromatics	1430	100	µg/L	1700		84.2	0-200	2.15		
Acenaphthene	79.4	2.0	µg/L	100		79.4	40-140	5.54	25	
Anthracene	83.4	2.0	µg/L	100		83.4	40-140	2.13	25	
Fluoranthene	83.9	2.0	µg/L	100		83.9	40-140	1.39	25	
Fluorene	83.4	2.0	µg/L	100		83.4	40-140	4.53	25	
2-Methylnaphthalene	71.8	2.0	µg/L	100		71.8	40-140	4.51	25	
Naphthalene	64.4	2.0	µg/L	100		64.4	40-140	3.39	25	
Pyrene	84.9	2.0	µg/L	100		84.9	40-140	1.46	25	
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	*86.0*		µg/L	100		86.0	40-140			
Surrogate: o-Terphenyl (OTP)	*84.0*		µg/L	100		84.0	40-140			
Surrogate: 2-Bromonaphthalene	*104*		µg/L	100		104	40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B304272 - SW-846 3510C										
LCS Dup (B304272-BSD1)				Prepared: 03/28/22 Analyzed: 03/30/22						
Surrogate: 2-Fluorobiphenyl	*104*		µg/L	100		104	40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B304712 - MA VPH										
Blank (B304712-BLK1)				Prepared & Analyzed: 04/01/22						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Butylcyclohexane	ND	1.0	µg/L							
Decane	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
2-Methylpentane	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Nonane	ND	1.0	µg/L							
Pentane	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
2,2,4-Trimethylpentane	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*33.6*		µg/L	40.0		84.1	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*36.4*		µg/L	40.0		90.9	70-130			
LCS (B304712-BS1)				Prepared & Analyzed: 04/01/22						
Benzene	47.5	1.0	µg/L	50.0		95.0	70-130			
Butylcyclohexane	59.1	1.0	µg/L	50.0		118	70-130			
Decane	43.2	1.0	µg/L	50.0		86.4	70-130			
Ethylbenzene	48.0	1.0	µg/L	50.0		95.9	70-130			
Methyl tert-Butyl Ether (MTBE)	51.9	1.0	µg/L	50.0		104	70-130			
2-Methylpentane	42.5	1.0	µg/L	50.0		85.0	70-130			
Naphthalene	57.9	5.0	µg/L	50.0		116	70-130			
Nonane	59.7	1.0	µg/L	50.0		119	30-130			
Pentane	41.9	1.0	µg/L	50.0		83.8	70-130			
Toluene	46.7	1.0	µg/L	50.0		93.5	70-130			
1,2,4-Trimethylbenzene	47.3	1.0	µg/L	50.0		94.6	70-130			
2,2,4-Trimethylpentane	42.1	1.0	µg/L	50.0		84.3	70-130			
m+p Xylene	96.5	2.0	µg/L	100		96.5	70-130			
o-Xylene	47.5	1.0	µg/L	50.0		95.0	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*34.9*		µg/L	40.0		87.3	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*37.9*		µg/L	40.0		94.8	70-130			
LCS Dup (B304712-BSD1)				Prepared & Analyzed: 04/01/22						
Benzene	49.3	1.0	µg/L	50.0		98.6	70-130	3.71	25	
Butylcyclohexane	60.5	1.0	µg/L	50.0		121	70-130	2.34	25	
Decane	44.6	1.0	µg/L	50.0		89.1	70-130	3.16	25	
Ethylbenzene	50.1	1.0	µg/L	50.0		100	70-130	4.35	25	
Methyl tert-Butyl Ether (MTBE)	52.7	1.0	µg/L	50.0		105	70-130	1.60	25	
2-Methylpentane	44.8	1.0	µg/L	50.0		89.6	70-130	5.31	25	
Naphthalene	59.8	5.0	µg/L	50.0		120	70-130	3.13	25	
Nonane	60.7	1.0	µg/L	50.0		121	30-130	1.62	25	
Pentane	44.6	1.0	µg/L	50.0		89.2	70-130	6.22	25	
Toluene	49.2	1.0	µg/L	50.0		98.5	70-130	5.20	25	
1,2,4-Trimethylbenzene	49.4	1.0	µg/L	50.0		98.8	70-130	4.37	25	

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B304712 - MA VPH										
LCS Dup (B304712-BSD1)				Prepared & Analyzed: 04/01/22						
2,2,4-Trimethylpentane	42.9	1.0	µg/L	50.0		85.8	70-130	1.79	25	
m+p Xylene	101	2.0	µg/L	100		101	70-130	4.65	25	
o-Xylene	50.2	1.0	µg/L	50.0		100	70-130	5.46	25	
Surrogate: 2,5-Dibromotoluene (FID)	*40.9*		µg/L	40.0		102	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*41.3*		µg/L	40.0		103	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.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP EPH rev 2.1 in Water	
C9-C18 Aliphatics	CT,NC,ME,NH-P
C19-C36 Aliphatics	CT,NC,ME,NH-P
Unadjusted C11-C22 Aromatics	CT,NC,ME,NH-P
C11-C22 Aromatics	CT,NC,ME,NH-P
Acenaphthene	CT,NC,ME,NH-P
Anthracene	CT,NC,ME,NH-P
Fluoranthene	CT,NC,ME,NH-P
Fluorene	CT,NC,ME
2-Methylnaphthalene	CT,NC
Naphthalene	CT,NC,ME,NH-P
Pyrene	CT,NC,ME,NH-P
MADEP-VPH-Feb 2018 Rev 2.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,ME,NH-P
C5-C8 Aliphatics	CT,NC,ME,NH-P
Unadjusted C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C10 Aromatics	CT,NC,ME,NH-P
Benzene	CT,NC,ME,NH-P
Ethylbenzene	CT,NC,ME,NH-P
Methyl tert-Butyl Ether (MTBE)	CT,NC,ME,NH-P
Naphthalene	CT,NC,ME,NH-P
Toluene	CT,NC,ME,NH-P
m+p Xylene	CT,NC,ME,NH-P
o-Xylene	CT,NC,ME,NH-P

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

22C1611

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	712 Brook Street, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 11003487
Project Manager:	Laura Yellen
Con-Test Bid:	n/a
Invoice Recipient:	Eversource (Drew Blicharz)
Sampled By:	Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: ☐ 5-7 Bus. Days ☑

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

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #: sirotnakw@wseinc.com

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PAHs *1	CT ETPH	VPH (HOLD)	EPH (Extract and HOLD)	PCBs
								2 H,I V	2 I A	2 I A	2 H,I V	2 H,I A	2 I A
1	CCA-5	3/23/22	1015		X	GW	U			X	X	X	
2	MW-101	"	1250							X	X	X	
	MW-310	"	845							X			
3	MW-202	"	957							X	X	X	
	Trip Blank	X	—					X					

ANALYSIS REQUESTED

Comments: (1) Please bill Eversource directly - Send invoice and results to drew.blicharz@eversource.com

*1 - Run all PAH samples using SIM method at low detection limits. Eversource PO# 11003487

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

Relinquished by: (signature)		Date/Time: 3/24/22
Received by: (signature)	12:20	Date/Time: 3-24-22
Relinquished by: (signature)	15:10	Date/Time: 3-24-22
Received by: (signature)	20	Date/Time: 3/24/22
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Detection Limit Requirements
MA
CT CTDEEP RSRs (includes RES DEC & GA PMC)
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Table of Contents

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

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Doc# 277 Rev 5 2017

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

Client Weston + Sampson

Received By SK Date 3/24/22 Time 1510

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 2.0

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

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

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

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

Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample labels filled out and legible? T

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

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

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

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

Were trip blanks received? F On COC? F

Do all samples have the proper pH? Acid T Base _____

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

Unused Media

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

Comments:

Extract + Hold

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test, a Pace Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 22C1611

Laboratory Sample ID(s):

22C1611-01 thru 22C1611-03

Sample Date(s):

03/23/2022

List RCP Methods Used:

MADEP EPH rev 2.1, MADEP-VPH-Feb 2018 Rev 2.1, SW-846 8270E

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☑ Yes ☐ No ☐ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Lisa A. Worthington

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Technical Representative**

Printed Name: **Lisa A. Worthington** **Date:** **04/04/22**

Name of Laboratory: **Con-Test, a Pace Analytical Laboratory**

This certification form is to be used for RCP methods only.

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April 1, 2022

Laura Yellen
Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067

Project Location: Simsbury, CT
Client Job Number:
Project Number: 2180209
Laboratory Work Order Number: 22C1990

Enclosed are results of analyses for samples as received by the laboratory on March 30, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067
ATTN: Laura Yellen

REPORT DATE: 4/1/2022

PURCHASE ORDER NUMBER: 11003487

PROJECT NUMBER: 2180209

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22C1990

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

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-T6	22C1990-01	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1	
MW-TRW1	22C1990-02	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1	

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CASE NARRATIVE SUMMARY

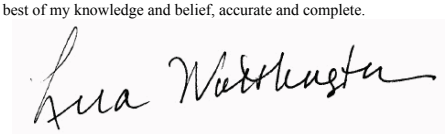
All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

MADEP-VPH-Feb 2018 Rev 2.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

Analytical column used for VPH analysis is Restek, Rtx-502.2, 105meter, 0.53mmID, 3um df. Trap used for VPH analysis is Carbopack B/CarboSieveS-III.

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



Lisa A. Worthington
Technical Representative

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1990

Date Received: 3/30/2022

Field Sample #: MW-T6 | Sampled: 3/22/2022 09:27

Sample ID: 22C1990-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:02	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:02	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:02	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:02	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:02	KMB
Benzene	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:02	KMB
Ethylbenzene	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:02	KMB
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:02	KMB
Naphthalene	ND	5.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:02	KMB
Toluene	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:02	KMB
m+p Xylene	ND	2.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:02	KMB
o-Xylene	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:02	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2,5-Dibromotoluene (FID)	108	70-130		3/31/22 4:02	
2,5-Dibromotoluene (PID)	115	70-130		3/31/22 4:02	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1990

Date Received: 3/30/2022

Field Sample #: MW-TRW1 | Sampled: 3/22/2022 10:41

Sample ID: 22C1990-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:39	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:39	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:39	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:39	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:39	KMB
Benzene	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:39	KMB
Ethylbenzene	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:39	KMB
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:39	KMB
Naphthalene	ND	5.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:39	KMB
Toluene	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:39	KMB
m+p Xylene	ND	2.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:39	KMB
o-Xylene	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/30/22	3/31/22 4:39	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2,5-Dibromotoluene (FID)	102	70-130		3/31/22 4:39	
2,5-Dibromotoluene (PID)	106	70-130		3/31/22 4:39	

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Sample Extraction Data

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22C1990-01 [MW-T6]	B304501	5	5.00	03/30/22
22C1990-02 [MW-TRW1]	B304501	5	5.00	03/30/22

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B304501 - MA VPH										
Blank (B304501-BLK1)				Prepared & Analyzed: 03/30/22						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Butylcyclohexane	ND	1.0	µg/L							
Decane	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
2-Methylpentane	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Nonane	ND	1.0	µg/L							
Pentane	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
2,2,4-Trimethylpentane	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*44.4*		µg/L	40.0		111	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*47.6*		µg/L	40.0		119	70-130			
LCS (B304501-BS1)				Prepared & Analyzed: 03/30/22						
Benzene	44.2	1.0	µg/L	50.0		88.4	70-130			
Butylcyclohexane	63.8	1.0	µg/L	50.0		128	70-130			
Decane	52.4	1.0	µg/L	50.0		105	70-130			
Ethylbenzene	47.7	1.0	µg/L	50.0		95.4	70-130			
Methyl tert-Butyl Ether (MTBE)	45.2	1.0	µg/L	50.0		90.5	70-130			
2-Methylpentane	48.0	1.0	µg/L	50.0		96.0	70-130			
Naphthalene	53.1	5.0	µg/L	50.0		106	70-130			
Nonane	61.5	1.0	µg/L	50.0		123	30-130			
Pentane	40.7	1.0	µg/L	50.0		81.5	70-130			
Toluene	45.3	1.0	µg/L	50.0		90.6	70-130			
1,2,4-Trimethylbenzene	49.3	1.0	µg/L	50.0		98.5	70-130			
2,2,4-Trimethylpentane	42.6	1.0	µg/L	50.0		85.1	70-130			
m+p Xylene	99.7	2.0	µg/L	100		99.7	70-130			
o-Xylene	51.2	1.0	µg/L	50.0		102	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*46.3*		µg/L	40.0		116	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*44.6*		µg/L	40.0		111	70-130			
LCS Dup (B304501-BSD1)				Prepared & Analyzed: 03/30/22						
Benzene	42.3	1.0	µg/L	50.0		84.7	70-130	4.35	25	
Butylcyclohexane	60.5	1.0	µg/L	50.0		121	70-130	5.21	25	
Decane	48.9	1.0	µg/L	50.0		97.8	70-130	6.90	25	
Ethylbenzene	46.2	1.0	µg/L	50.0		92.3	70-130	3.22	25	
Methyl tert-Butyl Ether (MTBE)	48.5	1.0	µg/L	50.0		97.0	70-130	6.91	25	
2-Methylpentane	43.1	1.0	µg/L	50.0		86.3	70-130	10.7	25	
Naphthalene	57.0	5.0	µg/L	50.0		114	70-130	7.11	25	
Nonane	58.7	1.0	µg/L	50.0		117	30-130	4.55	25	
Pentane	36.9	1.0	µg/L	50.0		73.8	70-130	9.92	25	
Toluene	43.2	1.0	µg/L	50.0		86.4	70-130	4.75	25	
1,2,4-Trimethylbenzene	47.6	1.0	µg/L	50.0		95.2	70-130	3.47	25	

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B304501 - MA VPH										
LCS Dup (B304501-BSD1)				Prepared & Analyzed: 03/30/22						
2,2,4-Trimethylpentane	39.8	1.0	µg/L	50.0		79.6	70-130	6.74	25	
m+p Xylene	96.2	2.0	µg/L	100		96.2	70-130	3.60	25	
o-Xylene	50.7	1.0	µg/L	50.0		101	70-130	1.00	25	
Surrogate: 2,5-Dibromotoluene (FID)	*48.0*		µg/L	40.0		120	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*48.9*		µg/L	40.0		122	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.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-VPH-Feb 2018 Rev 2.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,ME,NH-P
C5-C8 Aliphatics	CT,NC,ME,NH-P
Unadjusted C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C10 Aromatics	CT,NC,ME,NH-P
Benzene	CT,NC,ME,NH-P
Ethylbenzene	CT,NC,ME,NH-P
Methyl tert-Butyl Ether (MTBE)	CT,NC,ME,NH-P
Naphthalene	CT,NC,ME,NH-P
Toluene	CT,NC,ME,NH-P
m+p Xylene	CT,NC,ME,NH-P
o-Xylene	CT,NC,ME,NH-P

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

con-test ANALYTICAL LABORATORY

22C1512 22C1990

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

CHAIN OF CUSTODY RECORD

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	712 Brook Street, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 11003487
Project Manager:	Laura Yellen
Con-Test Bid:	n/a
Invoice Recipient:	Eversource (Drew Blicharz)
Sampled By:	Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: ☐ 5-7 Bus. Days ☑

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

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #: sirotnakw@wseinc.com

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PAHs *1	CT ETPH	VPH (HOLD)	EPH (Extract and HOLD)	PCBs	# of Containers	[2] Preservation Code	[3] Container Code
	MW-203	3/22/22	1458		X	GW	U			X				2	H,I	V
	MW-2A		1355							X				2	I	A
	CCA-3		1000							X				2	I	A
	MW-102		920						X					2	H,I	V
	MW-10		1100					X		X				2	H,I	A
	MW-11A		1145							X				2	I	A
	MW-T3		1157							X	X	X		2	H,I	V
01	MW-T6		927							X				2	I	A
02	MW-TRW1		1041							X	X	X		2	H,I	V
	MW-401		1450							X	X	X	X	2	I	A

ANALYSIS REQUESTED

Dissolved Metals Samples
O Field Filtered
O Lab to Filter

Orthophosphate Samples
O Field Filtered
O Lab to Filter

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

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

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

Comments: (1) Please bill Eversource directly - Send invoice and results to drew.blicharz@eversource.com

*1 - Run all PAH samples using SIM method at low detection limits. Eversource PO# 11003487

Please use the ... centration

H - Hig... wn

Activate samples -08 & -09 for VPH per Laura Y.

-KKM 3/30/22

Relinquished by: (signature)	Date/Time:
	3/23/22
Received by: (signature) 11:00	Date/Time: 3-23-22
Relinquished by: (signature) 11:40	Date/Time: 3-23-22
Received by: (signature) 1140	Date/Time: 3/23/22
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT CTDEEP RSRs (includes RES DEC & GA PMC)
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Table of Contents

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Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	712 Brook Street, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 11003487
Project Manager:	Laura Yellen
Con-Test Bid:	n/a
Invoice Recipient:	Eversource (Drew Blicharz)
Sampled By:	Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: ☐ 5-7 Bus. Days ☑

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

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #: sirotnakw@wseinc.com

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PAHs *1	CT ETPH	VPH (HOLD)	EPH (Extract and HOLD)	PCBs	# of Containers	[2] Preservation Code	[3] Container Code
														2	2	2	2	2	2													

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

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Doc# 277 Rev 5 2017

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

Client Weston and Sampson - (For Eversource Energy)

Received By LA Date 3/23/22 Time 1140

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling F Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 5 Actual Temp - 4.6

By Blank # _____ Actual Temp - _____

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

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

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

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

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

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

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

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

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

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

Were trip blanks received? NOT On COC? F

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	22	1 Liter Plastic		16 oz Amb.	
HCL-	14	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass	2	Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

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

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test, a Pace Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 22C1990

Laboratory Sample ID(s):
22C1990-01 thru 22C1990-02

Sample Date(s):
03/22/2022

List RCP Methods Used:
MADEP-VPH-Feb 2018 Rev 2.1

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☑ Yes ☐ No ☐ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Lisa A. Worthington

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Technical Representative**

Printed Name: **Lisa A. Worthington** **Date:** **04/01/22**

Name of Laboratory: **Con-Test, a Pace Analytical Laboratory**

This certification form is to be used for RCP methods only.

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

March 31, 2022

Laura Yellen
Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067

Project Location: Simsbury, CT
Client Job Number:
Project Number: 2180209
Laboratory Work Order Number: 22C1667

Enclosed are results of analyses for samples as received by the laboratory on March 24, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067
ATTN: Laura Yellen

REPORT DATE: 3/31/2022

PURCHASE ORDER NUMBER: 11003487

PROJECT NUMBER: 2180209

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22C1667

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

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-400	22C1667-01	Ground Water		CTDEP ETPH	
				SW-846 8082A	
MW-402	22C1667-02	Ground Water		CTDEP ETPH	
				SW-846 8082A	
MW-403	22C1667-03	Ground Water		CTDEP ETPH	
				SW-846 8082A	
DUP-2	22C1667-04	Ground Water		SW-846 8082A	

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CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

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:

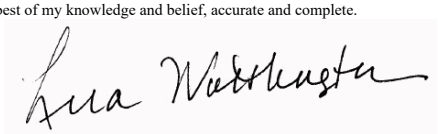
Aroclor-1016

22C1667-01[MW-400], 22C1667-02[MW-402], 22C1667-03[MW-403], 22C1667-04[DUP-2], B304271-BLK1, B304271-BS1, B304271-BSD1

Aroclor-1016 [2C]

22C1667-01[MW-400], 22C1667-02[MW-402], 22C1667-03[MW-403], 22C1667-04[DUP-2], B304271-BLK1, B304271-BS1, B304271-BSD1

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



Lisa A. Worthington
Technical Representative

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1667

Date Received: 3/24/2022

Field Sample #: MW-400 | Sampled: 3/23/2022 11:18

Sample ID: 22C1667-01

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	µg/L	1	R-05	SW-846 8082A	3/28/22	3/30/22 16:11	TG
Aroclor-1221 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:11	TG
Aroclor-1232 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:11	TG
Aroclor-1242 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:11	TG
Aroclor-1248 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:11	TG
Aroclor-1254 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:11	TG
Aroclor-1260 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:11	TG
Aroclor-1262 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:11	TG
Aroclor-1268 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:11	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.8	30-150		3/30/22 16:11
Decachlorobiphenyl [2]	83.9	30-150		3/30/22 16:11
Tetrachloro-m-xylene [1]	71.5	30-150		3/30/22 16:11
Tetrachloro-m-xylene [2]	65.8	30-150		3/30/22 16:11

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Project Location: Simsbury, CT
Sample Description:
Work Order: 22C1667
Date Received: 3/24/2022
Field Sample #: MW-400
Sampled: 3/23/2022 11:18
Sample ID: 22C1667-01
Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.15	mg/L	1		CTDEP ETPH	3/28/22	3/29/22 22:07	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	73.4	50-150		3/29/22 22:07

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1667

Date Received: 3/24/2022

Field Sample #: MW-402 | Sampled: 3/23/2022 12:10

Sample ID: 22C1667-02

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	µg/L	1	R-05	SW-846 8082A	3/28/22	3/30/22 16:29	TG
Aroclor-1221 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:29	TG
Aroclor-1232 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:29	TG
Aroclor-1242 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:29	TG
Aroclor-1248 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:29	TG
Aroclor-1254 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:29	TG
Aroclor-1260 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:29	TG
Aroclor-1262 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:29	TG
Aroclor-1268 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:29	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.4	30-150		3/30/22 16:29
Decachlorobiphenyl [2]	73.0	30-150		3/30/22 16:29
Tetrachloro-m-xylene [1]	69.9	30-150		3/30/22 16:29
Tetrachloro-m-xylene [2]	64.7	30-150		3/30/22 16:29

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1667

Date Received: 3/24/2022

Field Sample #: MW-402 | Sampled: 3/23/2022 12:10

Sample ID: 22C1667-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.14	mg/L	1		CTDEP ETPH	3/28/22	3/29/22 21:36	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	76.7	50-150		3/29/22 21:36

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1667

Date Received: 3/24/2022

Field Sample #: MW-403 | Sampled: 3/23/2022 11:00

Sample ID: 22C1667-03

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	µg/L	1	R-05	SW-846 8082A	3/28/22	3/30/22 16:47	TG
Aroclor-1221 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:47	TG
Aroclor-1232 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:47	TG
Aroclor-1242 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:47	TG
Aroclor-1248 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:47	TG
Aroclor-1254 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:47	TG
Aroclor-1260 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:47	TG
Aroclor-1262 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:47	TG
Aroclor-1268 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 16:47	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.1	30-150		3/30/22 16:47
Decachlorobiphenyl [2]	78.3	30-150		3/30/22 16:47
Tetrachloro-m-xylene [1]	68.4	30-150		3/30/22 16:47
Tetrachloro-m-xylene [2]	63.4	30-150		3/30/22 16:47

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Project Location: Simsbury, CT
Sample Description:
Work Order: 22C1667
Date Received: 3/24/2022
Field Sample #: MW-403
Sampled: 3/23/2022 11:00
Sample ID: 22C1667-03
Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.15	mg/L	1		CTDEP ETPH	3/28/22	3/29/22 21:06	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	66.5	50-150		3/29/22 21:06

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22C1667

Date Received: 3/24/2022

Field Sample #: DUP-2 | Sampled: 3/23/2022 00:00

Sample ID: 22C1667-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	µg/L	1	R-05	SW-846 8082A	3/28/22	3/30/22 17:05	TG
Aroclor-1221 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 17:05	TG
Aroclor-1232 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 17:05	TG
Aroclor-1242 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 17:05	TG
Aroclor-1248 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 17:05	TG
Aroclor-1254 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 17:05	TG
Aroclor-1260 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 17:05	TG
Aroclor-1262 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 17:05	TG
Aroclor-1268 [1]	ND	0.14	µg/L	1		SW-846 8082A	3/28/22	3/30/22 17:05	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.7	30-150		3/30/22 17:05
Decachlorobiphenyl [2]	83.6	30-150		3/30/22 17:05
Tetrachloro-m-xylene [1]	55.3	30-150		3/30/22 17:05
Tetrachloro-m-xylene [2]	52.3	30-150		3/30/22 17:05

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Sample Extraction Data

Prep Method: SW-846 3510C **Analytical Method: CTDEP ETPH**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22C1667-01 [MW-400]	B304248	1020	1.00	03/28/22
22C1667-02 [MW-402]	B304248	1040	1.00	03/28/22
22C1667-03 [MW-403]	B304248	1030	1.00	03/28/22

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22C1667-01 [MW-400]	B304271	140	2.00	03/28/22
22C1667-02 [MW-402]	B304271	140	2.00	03/28/22
22C1667-03 [MW-403]	B304271	140	2.00	03/28/22
22C1667-04 [DUP-2]	B304271	140	2.00	03/28/22

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes
Batch B304271 - SW-846 3510C											
Blank (B304271-BLK1)				Prepared: 03/28/22 Analyzed: 03/30/22							
Aroclor-1016	ND	0.14	µg/L								R-05
Aroclor-1016 [2C]	ND	0.14	µg/L								R-05
Aroclor-1221	ND	0.14	µg/L								
Aroclor-1221 [2C]	ND	0.14	µg/L								
Aroclor-1232	ND	0.14	µg/L								
Aroclor-1232 [2C]	ND	0.14	µg/L								
Aroclor-1242	ND	0.14	µg/L								
Aroclor-1242 [2C]	ND	0.14	µg/L								
Aroclor-1248	ND	0.14	µg/L								
Aroclor-1248 [2C]	ND	0.14	µg/L								
Aroclor-1254	ND	0.14	µg/L								
Aroclor-1254 [2C]	ND	0.14	µg/L								
Aroclor-1260	ND	0.14	µg/L								
Aroclor-1260 [2C]	ND	0.14	µg/L								
Aroclor-1262	ND	0.14	µg/L								
Aroclor-1262 [2C]	ND	0.14	µg/L								
Aroclor-1268	ND	0.14	µg/L								
Aroclor-1268 [2C]	ND	0.14	µg/L								
Surrogate: Decachlorobiphenyl	*2.23*		µg/L	2.76		80.8	30-150				
Surrogate: Decachlorobiphenyl [2C]	*2.07*		µg/L	2.76		75.1	30-150				
Surrogate: Tetrachloro-m-xylene	*1.42*		µg/L	2.76		51.3	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*1.29*		µg/L	2.76		46.9	30-150				
LCS (B304271-BS1)				Prepared: 03/28/22 Analyzed: 03/30/22							
Aroclor-1016	0.42	0.14	µg/L	0.690		60.2	40-140				R-05
Aroclor-1016 [2C]	0.41	0.14	µg/L	0.690		59.3	40-140				R-05
Aroclor-1260	0.47	0.14	µg/L	0.690		68.7	40-140				
Aroclor-1260 [2C]	0.44	0.14	µg/L	0.690		63.7	40-140				
Surrogate: Decachlorobiphenyl	*1.88*		µg/L	2.76		68.2	30-150				
Surrogate: Decachlorobiphenyl [2C]	*1.77*		µg/L	2.76		64.2	30-150				
Surrogate: Tetrachloro-m-xylene	*1.34*		µg/L	2.76		48.6	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*1.25*		µg/L	2.76		45.1	30-150				
LCS Dup (B304271-BSD1)				Prepared: 03/28/22 Analyzed: 03/30/22							
Aroclor-1016	0.52	0.14	µg/L	0.690		75.3	40-140	**22.3**	*	20	R-05
Aroclor-1016 [2C]	0.51	0.14	µg/L	0.690		74.3	40-140	**22.6**	*	20	R-05
Aroclor-1260	0.57	0.14	µg/L	0.690		82.6	40-140	18.4		20	
Aroclor-1260 [2C]	0.53	0.14	µg/L	0.690		77.1	40-140	19.0		20	
Surrogate: Decachlorobiphenyl	*2.23*		µg/L	2.76		80.9	30-150				
Surrogate: Decachlorobiphenyl [2C]	*2.08*		µg/L	2.76		75.5	30-150				
Surrogate: Tetrachloro-m-xylene	*1.73*		µg/L	2.76		62.8	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*1.59*		µg/L	2.76		57.5	30-150				

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B304248 - SW-846 3510C										
Blank (B304248-BLK1)				Prepared: 03/28/22 Analyzed: 03/29/22						
CT ETPH	ND	0.15	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0731*		mg/L	0.100		73.1	50-150			
LCS (B304248-BS1)				Prepared: 03/28/22 Analyzed: 03/29/22						
CT ETPH	0.933	0.15	mg/L	1.00		93.3	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0818*		mg/L	0.100		81.8	50-150			
LCS Dup (B304248-BSD1)				Prepared: 03/28/22 Analyzed: 03/29/22						
CT ETPH	0.743	0.15	mg/L	1.00		74.3	60-120	22.7	30	
Surrogate: 2-Fluorobiphenyl	*0.0604*		mg/L	0.100		60.4	50-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B304271-BS1 Date(s) Analyzed: 03/30/2022 03/30/2022

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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	0.42	
	2	0.000	0.000	0.000	0.41	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.47	
	2	0.000	0.000	0.000	0.44	6.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B304271-BSD1 Date(s) Analyzed: 03/30/2022 03/30/2022

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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	0.52	
	2	0.000	0.000	0.000	0.51	1.9
Aroclor-1260	1	0.000	0.000	0.000	0.57	
	2	0.000	0.000	0.000	0.53	7.3

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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.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

con-test® ANALYTICAL LABORATORY

22C11667

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	712 Brook Street, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 11003487
Project Manager:	Laura Yellen
Con-Test Bid:	n/a
Invoice Recipient:	Eversource (Drew Blicharz)
Sampled By:	Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: ☐ 5-7 Bus. Days ☑

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

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #: sirotnakw@wseinc.com

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PAHs *1	CT ETPH	VPH (HOLD)	EPH (Extract and HOLD)	PCBs	# of Containers
								2 H,I V	1 A	1 A	2 H,I V	2 H,I A	1 A	
01	MW-400	3/23/22	1118		X	GW	U			X			X	
02	MW-402	↓	1210		↓	↓	↓			X			X	
03	MW-403	↓	1100		↓	↓	↓			X	X	X	X	
04	Dup-2	3/23/22	—		↓	↓	↓						X	

Comments: (1) Please bill Eversource directly - Send invoice and results to drew.blicharz@eversource.com

*1 - Run all PAH samples using SIM method at low detection limits. Eversource PO# 11003487

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

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Relinquished by: (signature)	Date/Time: 3/24/22
Received by: (signature)	Date/Time: 3-24-22
Relinquished by: (signature)	Date/Time: 3-24-22
Received by: (signature)	Date/Time: 3/24/22
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT CTDEEP RSRs (includes RES DEC & GA PMC)
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____
NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Table of Contents

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

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client Weston & Sampson

Received By RF Date 3/21/22 Time 1510

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

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 2C
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? F Who was notified? _____
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? NA MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? F
Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	4 L0	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

120 mL - 8

Unused Media

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

Comments:

C:\MSDChem\4\DATA\D032922\D22F088006.D

CT ETPH Discrimination Check

Data File Name D22F088006.D
Data File Path C:\MSDChem\4\DATA\D032922\
Operator CJM
Date Acquired 3/29/1922 17:55
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.34	8269071	9849774	16
C-10	2.11	8602890	9849774	13
C-12	3.12	8967745	9849774	9
C-14	3.85	9283283	9849774	6
C-16	4.47	9648363	9849774	2
C-18	5.03	9871139	9849774	0
C-20	5.62	10162760	9849774	-3
C-22	6.35	10359956	9849774	-5
C-24	7.18	10589617	9849774	-8
C-26	7.99	10622055	9849774	-8
C-28	8.74	10578642	9849774	-7
C-30	9.43	10480493	9849774	-6
C-32	10.07	10258909	9849774	-4
C-34	10.67	10180431	9849774	-3
C-36	11.23	9871260	9849774	0

*One compound allowed %D</=50

Samples
22C1667-03
22C1667-02
22C1667-01
22C1543-01

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test, a Pace Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 22C1667

Laboratory Sample ID(s):
22C1667-01 thru 22C1667-04

Sample Date(s):
03/23/2022

List RCP Methods Used:
CTDEP ETPH, SW-846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

Lisa A. Worthington

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Technical Representative**

Printed Name: **Lisa A. Worthington** **Date:** **03/31/22**

Name of Laboratory: **Con-Test, a Pace Analytical Laboratory**

This certification form is to be used for RCP methods only.