Electronic Transmittal Form for DEEP Remediation and LUST Secure File Transfer (SFT)

DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
REMEDIATION DIVISION
LEAKING UNDERGROUND STORAGE TANK COORDINATION PROGRAM
www.ct.gov/deep

This Electronic Transmittal Form is to be used when submitting a document to the Connecticut SFT website. This form must be completed and included as the cover sheet of your electronic document.

Requirements for Transmittals through the SFT website:

- Only document types identified in Part III below may be submitted through the SFT website.
- Documents submitted through the SFT website must include all applicable figures, tables and laboratory data.
- Files must be formatted as PDF/A and use the appropriate naming convention:
  - For Remediation Filings: **REM_RemID_DocumentType_DateofDocument**
    Example: REM_1234_MonitoringReport_01-01-2001
  - For LUST Filings: **LUST_SiteAddress_Town_AbbreviationForDocumentType_DateofDocument**
    Example: LUST_1MainStreet_Hartford_ESA_01-01-2001
    Note: For AbbreviationForDocumentType" use appropriate abbreviation on page 2 of this form

Part I: Program Type (Select either Remediation or LUST as your Primary Program Type)

☒ Remediation	☐ LUST
Primary Program: Voluntary Remediation Program	UST Facility ID: (if applicable)
*Rem ID: 4943 (required)	Spill Case Number: (if known)

Part II: Site Information

Site Name: Former Simsbury Area Work Center
Site Address: 34 Hopmeadow Street
City/Town: Simsbury State: CT Zip Code: 06089

Secondary Programs (complete as many as applicable for this document):

Program: Select Secondary Program	Project ID:
Program: Select Secondary Program	Project ID:
Program: Select Secondary Program	Project ID:
Program: Select Secondary Program	Project ID:

Provide Project ID for each secondary program if it is known.
Each program has a unique ID (i.e. Rem ID, Spill Case #, UST Facility ID, PCB File #, etc.)

Part III: Document Information

Remediation - Monitoring Report
Date of Document: 7/11/2019

Part IV: Submitter Information

Name: Drew Blicharz **E-mail: drew.blicharz@eversource.com

**By providing this e-mail address you are agreeing to receive official correspondence from the department, at this electronic address, concerning the subject document. Please remember to check your security settings to be sure you can receive e-mails from "ct.gov" addresses. Also, please notify the department if your e-mail address changes.

Name of company/business this document is being submitted on behalf of: CL&P dba Eversource

EVERSOURCE ENERGY

Environmental Affairs Department
107 Selden Street
Berlin, CT 06037

July 11, 2019

Mr. Robert Robinson
Bureau of Waste Management
Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

Reference: 1) Letter, D. Blicharz to R. Robinson, dated April 30, 2019.
2) Letter (C11330), M. Harder to R. Zaklukiewicz, dated February 26, 2002.

Dear Mr. Robinson:

Groundwater Report – 2nd Quarter 2019
Former Simsbury Area Work Center (Rem ID #4943)
34 Hopmeadow Street, Simsbury, CT

The Connecticut Light & Power Company (CL&P) doing business as (dba) Eversource Energy herein submits quarterly groundwater data for the Former Simsbury Area Work Center.

As documented in the most recent Annual Summary Report (Reference 1), a modification to the groundwater sampling program was proposed by the Licensed Environmental Professional retained to provide verification for the investigation and remediation of this site pursuant to CGS Section 22a-133v (Reference 2). Based on this, samples were collected from seven (7) monitoring wells including MW-CCA-3, MW-CCA-4, MW-4R, MW-6, MW-16, MW-201, and MW-203, and analyzed for various parameters.

As indicated in the enclosed laboratory analytical data report, groundwater sample results were below the Remediation Standard Regulation GA Groundwater Protection Criteria, Surface Water Protection Criteria, and Groundwater Volatilization Criteria except for total petroleum hydrocarbon concentrations that were detected above 250 micrograms per liter in the sample collected from monitoring well MW-6.

If you have any questions regarding this submittal, please call me at (860) 665-5751 or email me at drew.blicharz@eversource.com.

Very truly yours,

The Connecticut Light & Power Company, dba Eversource Energy

Drew Blicharz

Drew P. Blicharz
Environmental Specialist – Remediation

Enclosure

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

July 9, 2019

Jeff Willson
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Simsbury, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 19F1471

Enclosed are results of analyses for samples received by the laboratory on June 27, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

Table of Contents

Sample Summary 4
Case Narrative 5
Sample Results 8
19F1471-01 8
19F1471-02 11
19F1471-03 14
19F1471-04 17
19F1471-05 18
19F1471-06 19
19F1471-07 24
19F1471-08 29
19F1471-09 30
19F1471-10 35
Sample Preparation Information 37
QC Data 39
Volatile Organic Compounds by GC/MS 39
B234414 39
B234514 41
B234543 44
Semivolatile Organic Compounds by GC/MS 48
B234356 48
B234539 52
B234644 60
B234647 62
Polychlorinated Biphenyls By GC/ECD 64

Table of Contents (continued)

B234427 64
B234690 65
Petroleum Hydrocarbons Analyses 66
B234393 66
B234552 66
Dual Column RPD Report 67
Flag/Qualifier Summary 71
Certifications 72
Chain of Custody/Sample Receipt 77

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 7/9/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19F1471

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

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
CCA-4	19F1471-01	Ground Water		CTDEP ETPH	
				SW-846 8270D	
CCA-3	19F1471-02	Ground Water		CTDEP ETPH	
				SW-846 8270D	
MW-16	19F1471-03	Ground Water		CTDEP ETPH	
				SW-846 8270D	
MW-201	19F1471-04	Ground Water		CTDEP ETPH	
MW-203	19F1471-05	Ground Water		SW-846 8082A	
MW-4R	19F1471-06	Ground Water		CTDEP ETPH	
				SW-846 8260C	
				SW-846 8270D	
MW-6	19F1471-07	Ground Water		CTDEP ETPH	
				SW-846 8260C	
				SW-846 8270D	
DUP-1	19F1471-08	Ground Water		SW-846 8082A	
DUP-2	19F1471-09	Ground Water		CTDEP ETPH	
				SW-846 8260C	
				SW-846 8270D	
Trip Blank-1	19F1471-10	Trip Blank Water		SW-846 8260C	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

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

con-test® ANALYTICAL LABORATORY
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SW-846 8260C

Qualifications:

L-01

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

Analyte & Samples(s) Qualified:

Bromomethane
B234414-BS1, S037664-CCV1

Chloromethane
B234414-BS1, S037664-CCV1

L-03

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

2,2-Dichloropropane
19F1471-09[DUP-2], B234543-BLK1, B234543-BS1, S037719-CCV1

Chloromethane
19F1471-09[DUP-2], B234543-BLK1, B234543-BS1, S037719-CCV1

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:

2,2-Dichloropropane
19F1471-09[DUP-2], B234543-BLK1, B234543-BS1, S037719-CCV1

V-20

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

Analyte & Samples(s) Qualified:

Bromomethane
B234414-BS1, S037664-CCV1

Chloromethane
B234414-BS1, S037664-CCV1

V-34

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

Analyte & Samples(s) Qualified:

Bromomethane
B234514-BS1, B234543-BS1, S037659-CCV1, S037719-CCV1

V-36

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

Analyte & Samples(s) Qualified:

Acetone
B234514-BS1, B234543-BS1, S037659-CCV1, S037719-CCV1

Carbon Disulfide
B234514-BS1, B234543-BS1, S037659-CCV1, S037719-CCV1

SW-846 8270D

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:

4-Chloroaniline
19F1471-01[CCA-4], 19F1471-02[CCA-3], 19F1471-03[MW-16], 19F1471-06[MW-4R], 19F1471-07[MW-6], B234356-BLK1, B234356-BS1, B234356-BSD1

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
B234356-BS1

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

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:

Hexachlorocyclopentadiene
B234356-BLK1, B234356-BS1, B234356-BSD1, S037614-CCV1

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene
19F1471-01[CCA-4], 19F1471-02[CCA-3], 19F1471-03[MW-16], 19F1471-06[MW-4R], 19F1471-07[MW-6], 19F1471-09[DUP-2], B234539-BLK2, B234539-BS2, B234539-BSD2, S037668-CCV1, S037783-CCV1

V-34

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

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
19F1471-01[CCA-4], 19F1471-02[CCA-3], 19F1471-03[MW-16], 19F1471-06[MW-4R], 19F1471-07[MW-6], 19F1471-09[DUP-2], B234539-BLK2, B234539-BS2, B234539-BSD2, S037668-CCV1, S037783-CCV1

3,3-Dichlorobenzidine
19F1471-01[CCA-4], 19F1471-02[CCA-3], 19F1471-03[MW-16], 19F1471-06[MW-4R], 19F1471-07[MW-6], 19F1471-09[DUP-2], B234356-BLK1, B234356-BS1, B234356-BSD1, B234539-BLK2, B234539-BS2, B234539-BSD2, S037668-CCV1, S037783-CCV1

3-Nitroaniline
19F1471-01[CCA-4], 19F1471-02[CCA-3], 19F1471-03[MW-16], 19F1471-06[MW-4R], 19F1471-07[MW-6], 19F1471-09[DUP-2], B234356-BLK1, B234356-BS1, B234356-BSD1, B234539-BLK2, B234539-BS2, B234539-BSD2, S037668-CCV1, S037783-CCV1

4-Chloroaniline
19F1471-01[CCA-4], 19F1471-02[CCA-3], 19F1471-03[MW-16], 19F1471-06[MW-4R], 19F1471-07[MW-6], 19F1471-09[DUP-2], B234356-BLK1, B234356-BS1, B234356-BSD1, B234539-BLK2, B234539-BS2, B234539-BSD2, S037668-CCV1, S037783-CCV1

4-Nitrophenol
19F1471-01[CCA-4], 19F1471-02[CCA-3], 19F1471-03[MW-16], 19F1471-06[MW-4R], 19F1471-07[MW-6], 19F1471-09[DUP-2], B234539-BLK2, B234539-BS2, B234539-BSD2, S037668-CCV1, S037783-CCV1

Pyridine
19F1471-01[CCA-4], 19F1471-02[CCA-3], 19F1471-03[MW-16], 19F1471-06[MW-4R], 19F1471-07[MW-6], 19F1471-09[DUP-2], B234539-BLK2, B234539-BS2, B234539-BSD2, S037668-CCV1, S037783-CCV1

SW-846 8260C

All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

SW-846 8270D

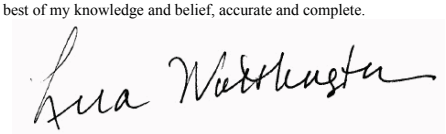
The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for water – limits between 10 and 150% depending on the compound (see QC summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol.

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for soil - limits between 10 and 180% depending on the compound (see QC summary for limits): 3,3'-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline, 3-Nitroaniline, and n-Nitrosodiphenylamine.

All reporting limits specified on the chain-of-custody were met, except for Pyridine for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

All reporting limits specified on the chain-of-custody were met, except for Pyridine, 1,2,4,5-Tetrachlorobenzene and Pentachloronitrobenzene for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test 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

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 19F1471

Date Received: 6/27/2019

Field Sample #: CCA-4 | Sampled: 6/26/2019 09:45

Sample ID: 19F1471-01

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	0.30	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:07	imr
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:07	imr
Aniline	ND	5.0	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:07	imr
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:07	imr
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:07	imr
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:07	imr
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:07	imr
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:07	imr
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Carbazole	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
4-Chloroaniline	ND	10	µg/L	1	R-05, V-34	SW-846 8270D	6/27/19	7/1/19 14:18	KLB
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:07	imr
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:07	imr
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
3,3-Dichlorobenzidine	ND	10	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 14:18	KLB
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
2,4-Dinitrophenol	ND	10	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 14:18	KLB
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:07	imr
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:07	imr
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Hexachloroethane	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:07	imr
Isophorone	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:07	imr

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 19F1471

Date Received: 6/27/2019

Field Sample #: CCA-4 | Sampled: 6/26/2019 09:45

Sample ID: 19F1471-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:07	imr
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
3-Nitroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 14:18	KLB
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
4-Nitrophenol	ND	10	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 14:18	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Pentachlorophenol	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:07	imr
Phenol	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:07	imr
Pyridine	ND	5.0	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 14:18	KLB
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:18	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	42.5	15-110		7/1/19 14:18
Phenol-d6	29.0	15-110		7/1/19 14:18
Nitrobenzene-d5	76.2	30-130		7/1/19 14:18
Nitrobenzene-d5 (SIM)	65.3	30-130		7/2/19 16:07
2-Fluorobiphenyl	81.2	30-130		7/1/19 14:18
2-Fluorobiphenyl (SIM)	41.5	30-130		7/2/19 16:07
2,4,6-Tribromophenol	97.4	15-110		7/1/19 14:18
p-Terphenyl-d14	86.7	30-130		7/1/19 14:18
p-Terphenyl-d14 (SIM)	48.6	30-130		7/2/19 16:07

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 19F1471

Date Received: 6/27/2019

Field Sample #: CCA-4 | Sampled: 6/26/2019 09:45

Sample ID: 19F1471-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.19	0.14	mg/L	1		CTDEP ETPH	6/28/19	7/2/19 17:05	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	79.2	50-150				7/2/19 17:05	

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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: 19F1471

Date Received: 6/27/2019

Field Sample #: CCA-3 | Sampled: 6/26/2019 10:30

Sample ID: 19F1471-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:37	imr
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:37	imr
Aniline	ND	4.8	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:37	imr
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:37	imr
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:37	imr
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:37	imr
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:37	imr
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:37	imr
Bis(2-chloroethoxy)methane	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Bis(2-chloroethyl)ether	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Bis(2-chloroisopropyl)ether	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Bis(2-Ethylhexyl)phthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
4-Bromophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Butylbenzylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Carbazole	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
4-Chloroaniline	ND	9.6	µg/L	1	R-05, V-34	SW-846 8270D	6/27/19	7/1/19 14:41	KLB
4-Chloro-3-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
2-Chloronaphthalene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
2-Chlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
4-Chlorophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:37	imr
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:37	imr
Dibenzofuran	ND	4.8	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Di-n-butylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
3,3-Dichlorobenzidine	ND	9.6	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 14:41	KLB
2,4-Dichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Diethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
2,4-Dimethylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Dimethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
4,6-Dinitro-2-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
2,4-Dinitrophenol	ND	9.6	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 14:41	KLB
2,4-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
2,6-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Di-n-octylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:37	imr
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:37	imr
Hexachlorobenzene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Hexachlorobutadiene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Hexachlorocyclopentadiene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Hexachloroethane	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:37	imr
Isophorone	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:37	imr

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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: 19F1471

Date Received: 6/27/2019

Field Sample #: CCA-3 | Sampled: 6/26/2019 10:30

Sample ID: 19F1471-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
3/4-Methylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:37	imr
2-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
3-Nitroaniline	ND	9.6	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 14:41	KLB
4-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Nitrobenzene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
2-Nitrophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
4-Nitrophenol	ND	9.6	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 14:41	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
N-Nitrosodi-n-propylamine	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Pentachloronitrobenzene	ND	9.6	µg/L	1	V-16	SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Pentachlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:37	imr
Phenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 16:37	imr
Pyridine	ND	4.8	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 14:41	KLB
1,2,4,5-Tetrachlorobenzene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
1,2,4-Trichlorobenzene	ND	4.8	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
2,4,5-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB
2,4,6-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 14:41	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	40.0	15-110		7/1/19 14:41
Phenol-d6	28.3	15-110		7/1/19 14:41
Nitrobenzene-d5	63.3	30-130		7/1/19 14:41
Nitrobenzene-d5 (SIM)	54.0	30-130		7/2/19 16:37
2-Fluorobiphenyl	67.0	30-130		7/1/19 14:41
2-Fluorobiphenyl (SIM)	34.0	30-130		7/2/19 16:37
2,4,6-Tribromophenol	79.0	15-110		7/1/19 14:41
p-Terphenyl-d14	76.1	30-130		7/1/19 14:41
p-Terphenyl-d14 (SIM)	38.2	30-130		7/2/19 16:37

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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: 19F1471
Date Received: 6/27/2019
Field Sample #: CCA-3
Sampled: 6/26/2019 10:30
Sample ID: 19F1471-02
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	6/28/19	7/2/19 15:44	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	74.5	50-150				7/2/19 15:44	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 19F1471

Date Received: 6/27/2019

Field Sample #: MW-16 | Sampled: 6/26/2019 11:30

Sample ID: 19F1471-03

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	0.30	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:07	imr
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:07	imr
Aniline	ND	4.8	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:07	imr
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:07	imr
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:07	imr
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:07	imr
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:07	imr
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:07	imr
Bis(2-chloroethoxy)methane	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Bis(2-chloroethyl)ether	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Bis(2-chloroisopropyl)ether	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Bis(2-Ethylhexyl)phthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
4-Bromophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Butylbenzylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Carbazole	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
4-Chloroaniline	ND	9.6	µg/L	1	R-05, V-34	SW-846 8270D	6/27/19	7/1/19 15:03	KLB
4-Chloro-3-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
2-Chloronaphthalene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
2-Chlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
4-Chlorophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:07	imr
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:07	imr
Dibenzofuran	ND	4.8	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Di-n-butylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
3,3-Dichlorobenzidine	ND	9.6	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 15:03	KLB
2,4-Dichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Diethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
2,4-Dimethylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Dimethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
4,6-Dinitro-2-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
2,4-Dinitrophenol	ND	9.6	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 15:03	KLB
2,4-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
2,6-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Di-n-octylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:07	imr
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:07	imr
Hexachlorobenzene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Hexachlorobutadiene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Hexachlorocyclopentadiene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Hexachloroethane	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:07	imr
Isophorone	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:07	imr

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 19F1471

Date Received: 6/27/2019

Field Sample #: MW-16 | Sampled: 6/26/2019 11:30

Sample ID: 19F1471-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
3/4-Methylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:07	imr
2-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
3-Nitroaniline	ND	9.6	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 15:03	KLB
4-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Nitrobenzene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
2-Nitrophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
4-Nitrophenol	ND	9.6	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 15:03	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
N-Nitrosodi-n-propylamine	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Pentachloronitrobenzene	ND	9.6	µg/L	1	V-16	SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Pentachlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:07	imr
Phenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:07	imr
Pyridine	ND	4.8	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 15:03	KLB
1,2,4,5-Tetrachlorobenzene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
1,2,4-Trichlorobenzene	ND	4.8	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
2,4,5-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB
2,4,6-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:03	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	40.4	15-110		7/1/19 15:03
Phenol-d6	28.8	15-110		7/1/19 15:03
Nitrobenzene-d5	68.0	30-130		7/1/19 15:03
Nitrobenzene-d5 (SIM)	64.0	30-130		7/2/19 17:07
2-Fluorobiphenyl	70.8	30-130		7/1/19 15:03
2-Fluorobiphenyl (SIM)	40.6	30-130		7/2/19 17:07
2,4,6-Tribromophenol	83.2	15-110		7/1/19 15:03
p-Terphenyl-d14	76.9	30-130		7/1/19 15:03
p-Terphenyl-d14 (SIM)	43.7	30-130		7/2/19 17:07

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19F1471

Date Received: 6/27/2019

Field Sample #: MW-16 | Sampled: 6/26/2019 11:30

Sample ID: 19F1471-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.14	mg/L	1		CTDEP ETPH	6/28/19	7/2/19 16:05	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	73.4	50-150				7/2/19 16:05	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19F1471

Date Received: 6/27/2019

Field Sample #: MW-201 | Sampled: 6/26/2019 12:30

Sample ID: 19F1471-04

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	6/28/19	7/2/19 16:25	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	70.9	50-150				7/2/19 16:25	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19F1471

Date Received: 6/27/2019

Field Sample #: MW-203 | Sampled: 6/26/2019 10:19

Sample ID: 19F1471-05

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	0.16	µg/L	1		SW-846 8082A	6/28/19	7/1/19 22:38	TG
Aroclor-1221 [1]	ND	0.16	µg/L	1		SW-846 8082A	6/28/19	7/1/19 22:38	TG
Aroclor-1232 [1]	ND	0.16	µg/L	1		SW-846 8082A	6/28/19	7/1/19 22:38	TG
Aroclor-1242 [1]	ND	0.16	µg/L	1		SW-846 8082A	6/28/19	7/1/19 22:38	TG
Aroclor-1248 [1]	ND	0.16	µg/L	1		SW-846 8082A	6/28/19	7/1/19 22:38	TG
Aroclor-1254 [1]	ND	0.16	µg/L	1		SW-846 8082A	6/28/19	7/1/19 22:38	TG
Aroclor-1260 [1]	ND	0.16	µg/L	1		SW-846 8082A	6/28/19	7/1/19 22:38	TG
Aroclor-1262 [1]	ND	0.16	µg/L	1		SW-846 8082A	6/28/19	7/1/19 22:38	TG
Aroclor-1268 [1]	ND	0.16	µg/L	1		SW-846 8082A	6/28/19	7/1/19 22:38	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.8	30-150		7/1/19 22:38
Decachlorobiphenyl [2]	102	30-150		7/1/19 22:38
Tetrachloro-m-xylene [1]	76.9	30-150		7/1/19 22:38
Tetrachloro-m-xylene [2]	80.5	30-150		7/1/19 22:38

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19F1471

Date Received: 6/27/2019

Field Sample #: MW-4R | Sampled: 6/26/2019 13:50

Sample ID: 19F1471-06

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 8260C	7/1/19	7/1/19 11:59	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD

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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: 19F1471

Date Received: 6/27/2019

Field Sample #: MW-4R | Sampled: 6/26/2019 13:50

Sample ID: 19F1471-06

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 8260C	7/1/19	7/1/19 11:59	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 11:59	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.0	70-130		7/1/19 11:59
Toluene-d8	109	70-130		7/1/19 11:59
4-Bromofluorobenzene	96.0	70-130		7/1/19 11:59

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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: 19F1471

Date Received: 6/27/2019

Field Sample #: MW-4R | Sampled: 6/26/2019 13:50

Sample ID: 19F1471-06

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	0.30	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:36	imr
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:36	imr
Aniline	ND	4.8	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:36	imr
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:36	imr
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:36	imr
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:36	imr
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:36	imr
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:36	imr
Bis(2-chloroethoxy)methane	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Bis(2-chloroethyl)ether	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Bis(2-chloroisopropyl)ether	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Bis(2-Ethylhexyl)phthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
4-Bromophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Butylbenzylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Carbazole	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
4-Chloroaniline	ND	9.6	µg/L	1	V-34, R-05	SW-846 8270D	6/27/19	7/1/19 15:26	KLB
4-Chloro-3-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
2-Chloronaphthalene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
2-Chlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
4-Chlorophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:36	imr
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:36	imr
Dibenzofuran	ND	4.8	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Di-n-butylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
3,3-Dichlorobenzidine	ND	9.6	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 15:26	KLB
2,4-Dichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Diethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
2,4-Dimethylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Dimethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
4,6-Dinitro-2-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
2,4-Dinitrophenol	ND	9.6	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 15:26	KLB
2,4-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
2,6-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Di-n-octylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:36	imr
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:36	imr
Hexachlorobenzene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Hexachlorobutadiene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Hexachlorocyclopentadiene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Hexachloroethane	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:36	imr
Isophorone	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:36	imr

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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: 19F1471

Date Received: 6/27/2019

Field Sample #: MW-4R | Sampled: 6/26/2019 13:50

Sample ID: 19F1471-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
3/4-Methylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:36	imr
2-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
3-Nitroaniline	ND	9.6	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 15:26	KLB
4-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Nitrobenzene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
2-Nitrophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
4-Nitrophenol	ND	9.6	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 15:26	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
N-Nitrosodi-n-propylamine	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Pentachloronitrobenzene	ND	9.6	µg/L	1	V-16	SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Pentachlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:36	imr
Phenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 17:36	imr
Pyridine	ND	4.8	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 15:26	KLB
1,2,4,5-Tetrachlorobenzene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
1,2,4-Trichlorobenzene	ND	4.8	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
2,4,5-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB
2,4,6-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:26	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	37.6	15-110		7/1/19 15:26
Phenol-d6	27.2	15-110		7/1/19 15:26
Nitrobenzene-d5	63.6	30-130		7/1/19 15:26
Nitrobenzene-d5 (SIM)	71.5	30-130		7/2/19 17:36
2-Fluorobiphenyl	67.0	30-130		7/1/19 15:26
2-Fluorobiphenyl (SIM)	44.6	30-130		7/2/19 17:36
2,4,6-Tribromophenol	82.2	15-110		7/1/19 15:26
p-Terphenyl-d14	76.7	30-130		7/1/19 15:26
p-Terphenyl-d14 (SIM)	47.7	30-130		7/2/19 17:36

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 19F1471

Date Received: 6/27/2019

Field Sample #: MW-4R | Sampled: 6/26/2019 13:50

Sample ID: 19F1471-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.16	0.14	mg/L	1		CTDEP ETPH	6/28/19	7/2/19 17:26	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	72.6	50-150				7/2/19 17:26	

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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: 19F1471

Date Received: 6/27/2019

Field Sample #: MW-6 | Sampled: 6/26/2019 11:46

Sample ID: 19F1471-07

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 8260C	7/1/19	7/1/19 12:30	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 19F1471

Date Received: 6/27/2019

Field Sample #: MW-6 | Sampled: 6/26/2019 11:46

Sample ID: 19F1471-07

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 8260C	7/1/19	7/1/19 12:30	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	7/1/19	7/1/19 12:30	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.6	70-130		7/1/19 12:30
Toluene-d8	109	70-130		7/1/19 12:30
4-Bromofluorobenzene	94.1	70-130		7/1/19 12:30

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 19F1471

Date Received: 6/27/2019

Field Sample #: MW-6 | Sampled: 6/26/2019 11:46

Sample ID: 19F1471-07

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	0.30	µg/L	1		SW-846 8270D	6/28/19	7/2/19 18:06	imr
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 18:06	imr
Aniline	ND	4.8	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 18:06	imr
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/28/19	7/2/19 18:06	imr
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	6/28/19	7/2/19 18:06	imr
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/28/19	7/2/19 18:06	imr
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	6/28/19	7/2/19 18:06	imr
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 18:06	imr
Bis(2-chloroethoxy)methane	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Bis(2-chloroethyl)ether	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Bis(2-chloroisopropyl)ether	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Bis(2-Ethylhexyl)phthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
4-Bromophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Butylbenzylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Carbazole	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
4-Chloroaniline	ND	9.6	µg/L	1	R-05, V-34	SW-846 8270D	6/27/19	7/1/19 15:48	KLB
4-Chloro-3-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
2-Chloronaphthalene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
2-Chlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
4-Chlorophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/28/19	7/2/19 18:06	imr
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	6/28/19	7/2/19 18:06	imr
Dibenzofuran	ND	4.8	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Di-n-butylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
3,3-Dichlorobenzidine	ND	9.6	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 15:48	KLB
2,4-Dichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Diethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
2,4-Dimethylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Dimethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
4,6-Dinitro-2-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
2,4-Dinitrophenol	ND	9.6	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 15:48	KLB
2,4-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
2,6-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Di-n-octylphthalate	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	6/28/19	7/2/19 18:06	imr
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 18:06	imr
Hexachlorobenzene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Hexachlorobutadiene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Hexachlorocyclopentadiene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Hexachloroethane	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	6/28/19	7/2/19 18:06	imr
Isophorone	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 18:06	imr

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 19F1471

Date Received: 6/27/2019

Field Sample #: MW-6 | Sampled: 6/26/2019 11:46

Sample ID: 19F1471-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
3/4-Methylphenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 18:06	imr
2-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
3-Nitroaniline	ND	9.6	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 15:48	KLB
4-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Nitrobenzene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
2-Nitrophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
4-Nitrophenol	ND	9.6	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 15:48	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
N-Nitrosodi-n-propylamine	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Pentachloronitrobenzene	ND	9.6	µg/L	1	V-16	SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Pentachlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/28/19	7/2/19 18:06	imr
Phenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/28/19	7/2/19 18:06	imr
Pyridine	ND	4.8	µg/L	1	V-34	SW-846 8270D	6/27/19	7/1/19 15:48	KLB
1,2,4,5-Tetrachlorobenzene	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
1,2,4-Trichlorobenzene	ND	4.8	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
2,4,5-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB
2,4,6-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	6/27/19	7/1/19 15:48	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	38.7	15-110		7/1/19 15:48
Phenol-d6	28.5	15-110		7/1/19 15:48
Nitrobenzene-d5	64.6	30-130		7/1/19 15:48
Nitrobenzene-d5 (SIM)	63.9	30-130		7/2/19 18:06
2-Fluorobiphenyl	67.1	30-130		7/1/19 15:48
2-Fluorobiphenyl (SIM)	41.8	30-130		7/2/19 18:06
2,4,6-Tribromophenol	79.0	15-110		7/1/19 15:48
p-Terphenyl-d14	74.3	30-130		7/1/19 15:48
p-Terphenyl-d14 (SIM)	43.3	30-130		7/2/19 18:06

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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: 19F1471

Date Received: 6/27/2019

Field Sample #: MW-6 | Sampled: 6/26/2019 11:46

Sample ID: 19F1471-07

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1.2	0.14	mg/L	1		CTDEP ETPH	6/28/19	7/2/19 17:46	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	76.0	50-150		7/2/19 17:46

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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: 19F1471

Date Received: 6/27/2019

Field Sample #: DUP-1 | Sampled: 6/26/2019 00:00

Sample ID: 19F1471-08

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	0.16	µg/L	1		SW-846 8082A	7/2/19	7/5/19 22:59	JMB
Aroclor-1221 [1]	ND	0.16	µg/L	1		SW-846 8082A	7/2/19	7/5/19 22:59	JMB
Aroclor-1232 [1]	ND	0.16	µg/L	1		SW-846 8082A	7/2/19	7/5/19 22:59	JMB
Aroclor-1242 [1]	ND	0.16	µg/L	1		SW-846 8082A	7/2/19	7/5/19 22:59	JMB
Aroclor-1248 [1]	ND	0.16	µg/L	1		SW-846 8082A	7/2/19	7/5/19 22:59	JMB
Aroclor-1254 [1]	ND	0.16	µg/L	1		SW-846 8082A	7/2/19	7/5/19 22:59	JMB
Aroclor-1260 [1]	ND	0.16	µg/L	1		SW-846 8082A	7/2/19	7/5/19 22:59	JMB
Aroclor-1262 [1]	ND	0.16	µg/L	1		SW-846 8082A	7/2/19	7/5/19 22:59	JMB
Aroclor-1268 [1]	ND	0.16	µg/L	1		SW-846 8082A	7/2/19	7/5/19 22:59	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		7/5/19 22:59
Decachlorobiphenyl [2]	108	30-150		7/5/19 22:59
Tetrachloro-m-xylene [1]	93.2	30-150		7/5/19 22:59
Tetrachloro-m-xylene [2]	98.6	30-150		7/5/19 22:59

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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: 19F1471

Date Received: 6/27/2019

Field Sample #: DUP-2 | Sampled: 6/26/2019 00:00

Sample ID: 19F1471-09

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 8260C	7/2/19	7/2/19 10:42	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Chloromethane	ND	0.60	µg/L	1	L-03	SW-846 8260C	7/2/19	7/2/19 10:42	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 19F1471

Date Received: 6/27/2019

Field Sample #: DUP-2 | Sampled: 6/26/2019 00:00

Sample ID: 19F1471-09

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 8260C	7/2/19	7/2/19 10:42	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	7/2/19	7/2/19 10:42	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual			
1,2-Dichloroethane-d4	92.6	70-130				7/2/19 10:42
Toluene-d8	107	70-130				7/2/19 10:42
4-Bromofluorobenzene	97.6	70-130				7/2/19 10:42

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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: 19F1471

Date Received: 6/27/2019

Field Sample #: DUP-2 | Sampled: 6/26/2019 00:00

Sample ID: 19F1471-09

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	0.30	µg/L	1		SW-846 8270D	7/1/19	7/2/19 18:35	imr
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	7/1/19	7/2/19 18:35	imr
Aniline	ND	5.0	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	7/1/19	7/2/19 18:35	imr
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	7/1/19	7/2/19 18:35	imr
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	7/1/19	7/2/19 18:35	imr
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	7/1/19	7/2/19 18:35	imr
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	7/1/19	7/2/19 18:35	imr
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	7/1/19	7/2/19 18:35	imr
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Carbazole	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	7/1/19	7/3/19 15:22	IMR
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	7/1/19	7/2/19 18:35	imr
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	7/1/19	7/2/19 18:35	imr
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
3,3-Dichlorobenzidine	ND	10	µg/L	1	V-34	SW-846 8270D	7/1/19	7/3/19 15:22	IMR
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
2,4-Dinitrophenol	ND	10	µg/L	1	V-34	SW-846 8270D	7/1/19	7/3/19 15:22	IMR
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	7/1/19	7/2/19 18:35	imr
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	7/1/19	7/2/19 18:35	imr
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Hexachloroethane	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	7/1/19	7/2/19 18:35	imr
Isophorone	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	7/1/19	7/2/19 18:35	imr

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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: 19F1471

Date Received: 6/27/2019

Field Sample #: DUP-2 | Sampled: 6/26/2019 00:00

Sample ID: 19F1471-09

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	7/1/19	7/2/19 18:35	imr
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
3-Nitroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	7/1/19	7/3/19 15:22	IMR
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
4-Nitrophenol	ND	10	µg/L	1	V-34	SW-846 8270D	7/1/19	7/3/19 15:22	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Pentachlorophenol	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	7/1/19	7/2/19 18:35	imr
Phenol	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	7/1/19	7/2/19 18:35	imr
Pyridine	ND	5.0	µg/L	1	V-34	SW-846 8270D	7/1/19	7/3/19 15:22	IMR
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	7/1/19	7/3/19 15:22	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	29.1	15-110		7/3/19 15:22
Phenol-d6	19.4	15-110		7/3/19 15:22
Nitrobenzene-d5	69.6	30-130		7/3/19 15:22
Nitrobenzene-d5 (SIM)	66.9	30-130		7/2/19 18:35
2-Fluorobiphenyl	71.9	30-130		7/3/19 15:22
2-Fluorobiphenyl (SIM)	43.9	30-130		7/2/19 18:35
2,4,6-Tribromophenol	83.6	15-110		7/3/19 15:22
p-Terphenyl-d14	73.8	30-130		7/3/19 15:22
p-Terphenyl-d14 (SIM)	46.3	30-130		7/2/19 18:35

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT | Sample Description: | Work Order: 19F1471

Date Received: 6/27/2019

Field Sample #: DUP-2 | Sampled: 6/26/2019 00:00

Sample ID: 19F1471-09

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1.2	0.15	mg/L	1		CTDEP ETPH	7/1/19	7/2/19 16:45	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	77.4	50-150				7/2/19 16:45	

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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: 19F1471

Date Received: 6/27/2019

Field Sample #: Trip Blank-1 | Sampled: 6/26/2019 00:00

Sample ID: 19F1471-10

Sample Matrix: Trip Blank 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 8260C	6/28/19	6/29/19 0:46	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Chloromethane	ND	1.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH

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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: 19F1471

Date Received: 6/27/2019

Field Sample #: Trip Blank-1 | Sampled: 6/26/2019 00:00

Sample ID: 19F1471-10

Sample Matrix: Trip Blank 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 8260C	6/28/19	6/29/19 0:46	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/28/19	6/29/19 0:46	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		6/29/19 0:46
Toluene-d8	100	70-130		6/29/19 0:46
4-Bromofluorobenzene	94.1	70-130		6/29/19 0:46

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

Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19F1471-01 [CCA-4]	B234393	1040	1.00	06/28/19
19F1471-02 [CCA-3]	B234393	1040	1.00	06/28/19
19F1471-03 [MW-16]	B234393	1040	1.00	06/28/19
19F1471-04 [MW-201]	B234393	1040	1.00	06/28/19
19F1471-06 [MW-4R]	B234393	1040	1.00	06/28/19
19F1471-07 [MW-6]	B234393	1040	1.00	06/28/19

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19F1471-09 [DUP-2]	B234552	1000	1.00	07/01/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19F1471-05 [MW-203]	B234427	125	2.00	06/28/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19F1471-08 [DUP-1]	B234690	125	2.00	07/02/19

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19F1471-10 [Trip Blank-1]	B234414	5	5.00	06/28/19

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19F1471-06 [MW-4R]	B234514	5	5.00	07/01/19
19F1471-07 [MW-6]	B234514	5	5.00	07/01/19

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19F1471-09 [DUP-2]	B234543	5	5.00	07/02/19

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19F1471-01 [CCA-4]	B234356	1000	1.00	06/27/19
19F1471-02 [CCA-3]	B234356	1040	1.00	06/27/19
19F1471-03 [MW-16]	B234356	1040	1.00	06/27/19
19F1471-06 [MW-4R]	B234356	1040	1.00	06/27/19
19F1471-07 [MW-6]	B234356	1040	1.00	06/27/19

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Sample Extraction Data

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19F1471-09 [DUP-2]	B234539	1000	1.00	07/01/19

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19F1471-09 [DUP-2]	B234644	1000	1.00	07/01/19

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19F1471-01RE1 [CCA-4]	B234647	1000	1.00	06/28/19
19F1471-02RE1 [CCA-3]	B234647	1000	1.00	06/28/19
19F1471-03RE1 [MW-16]	B234647	1000	1.00	06/28/19
19F1471-06RE1 [MW-4R]	B234647	1000	1.00	06/28/19
19F1471-07RE1 [MW-6]	B234647	1000	1.00	06/28/19

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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 B234414 - SW-846 5030B										
Blank (B234414-BLK1)				Prepared & Analyzed: 06/28/19						
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	1.0	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 B234414 - SW-846 5030B											
Blank (B234414-BLK1)				Prepared & Analyzed: 06/28/19							
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	*26.4*		µg/L	25.0		106		70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.1		70-130			
Surrogate: 4-Bromofluorobenzene	*23.2*		µg/L	25.0		92.7		70-130			
LCS (B234414-BS1)				Prepared & Analyzed: 06/28/19							
Acetone	107	10	µg/L	100		107		70-130			
Acrylonitrile	10.2	2.0	µg/L	10.0		102		70-130			
Benzene	10.4	0.50	µg/L	10.0		104		70-130			
Bromobenzene	9.92	0.50	µg/L	10.0		99.2		70-130			
Bromodichloromethane	10.7	0.50	µg/L	10.0		107		70-130			
Bromoform	10.3	0.50	µg/L	10.0		103		70-130			
Bromomethane	13.1	1.0	µg/L	10.0		**131**	*	70-130			L-01, V-20
2-Butanone (MEK)	104	5.0	µg/L	100		104		70-130			
n-Butylbenzene	9.80	1.0	µg/L	10.0		98.0		70-130			
sec-Butylbenzene	10.0	1.0	µg/L	10.0		100		70-130			
tert-Butylbenzene	9.73	1.0	µg/L	10.0		97.3		70-130			
Carbon Disulfide	108	5.0	µg/L	100		108		70-130			
Carbon Tetrachloride	10.4	0.50	µg/L	10.0		104		70-130			
Chlorobenzene	10.3	0.50	µg/L	10.0		103		70-130			
Chlorodibromomethane	10.6	0.50	µg/L	10.0		106		70-130			
Chloroethane	10.4	0.50	µg/L	10.0		104		70-130			
Chloroform	10.8	0.50	µg/L	10.0		108		70-130			
Chloromethane	13.4	0.60	µg/L	10.0		**134**	*	70-130			L-01, V-20
2-Chlorotoluene	9.92	0.50	µg/L	10.0		99.2		70-130			
4-Chlorotoluene	10.2	0.50	µg/L	10.0		102		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.3	1.0	µg/L	10.0		103		70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106		70-130			
Dibromomethane	10.5	0.50	µg/L	10.0		105		70-130			
1,2-Dichlorobenzene	9.96	0.50	µg/L	10.0		99.6		70-130			
1,3-Dichlorobenzene	9.96	0.50	µg/L	10.0		99.6		70-130			
1,4-Dichlorobenzene	10.1	0.50	µg/L	10.0		101		70-130			
trans-1,4-Dichloro-2-butene	10.6	2.0	µg/L	10.0		106		70-130			
Dichlorodifluoromethane (Freon 12)	11.4	0.50	µg/L	10.0		114		70-130			
1,1-Dichloroethane	10.1	0.50	µg/L	10.0		101		70-130			
1,2-Dichloroethane	10.8	0.50	µg/L	10.0		108		70-130			
1,1-Dichloroethylene	11.3	0.50	µg/L	10.0		113		70-130			

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B234414 - SW-846 5030B										
LCS (B234414-BS1)				Prepared & Analyzed: 06/28/19						
cis-1,2-Dichloroethylene	10.2	0.50	µg/L	10.0		102	70-130			
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
1,2-Dichloropropane	10.4	0.50	µg/L	10.0		104	70-130			
1,3-Dichloropropane	10.4	0.50	µg/L	10.0		104	70-130			
2,2-Dichloropropane	8.95	0.50	µg/L	10.0		89.5	70-130			
1,1-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130			
cis-1,3-Dichloropropene	9.59	0.50	µg/L	10.0		95.9	70-130			
trans-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130			
Ethylbenzene	10.0	0.50	µg/L	10.0		100	70-130			
Hexachlorobutadiene	10.8	0.60	µg/L	10.0		108	70-130			
2-Hexanone (MBK)	104	5.0	µg/L	100		104	70-130			
Isopropylbenzene (Cumene)	9.99	0.50	µg/L	10.0		99.9	70-130			
p-Isopropyltoluene (p-Cymene)	9.76	0.50	µg/L	10.0		97.6	70-130			
Methyl tert-Butyl Ether (MTBE)	10.1	0.50	µg/L	10.0		101	70-130			
Methylene Chloride	10.7	5.0	µg/L	10.0		107	70-130			
4-Methyl-2-pentanone (MIBK)	104	5.0	µg/L	100		104	70-130			
Naphthalene	9.84	2.0	µg/L	10.0		98.4	70-130			
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
Styrene	10.2	1.0	µg/L	10.0		102	70-130			
1,1,1,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106	70-130			
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108	70-130			
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
Tetrahydrofuran	10.5	10	µg/L	10.0		105	70-130			
Toluene	10.4	1.0	µg/L	10.0		104	70-130			
1,2,3-Trichlorobenzene	9.73	1.0	µg/L	10.0		97.3	70-130			
1,2,4-Trichlorobenzene	9.83	0.50	µg/L	10.0		98.3	70-130			
1,1,1-Trichloroethane	10.8	0.50	µg/L	10.0		108	70-130			
1,1,2-Trichloroethane	10.4	0.50	µg/L	10.0		104	70-130			
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
Trichlorofluoromethane (Freon 11)	11.1	2.0	µg/L	10.0		111	70-130			
1,2,3-Trichloropropane	10.5	0.50	µg/L	10.0		105	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1	0.50	µg/L	10.0		111	70-130			
1,2,4-Trimethylbenzene	9.46	0.50	µg/L	10.0		94.6	70-130			
1,3,5-Trimethylbenzene	9.76	0.50	µg/L	10.0		97.6	70-130			
Vinyl Chloride	10.7	1.0	µg/L	10.0		107	70-130			
m+p Xylene	20.5	2.0	µg/L	20.0		102	70-130			
o-Xylene	9.94	1.0	µg/L	10.0		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	*26.2*		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.0		97.8	70-130			
Batch B234514 - SW-846 5030B										
Blank (B234514-BLK1)				Prepared & Analyzed: 07/01/19						
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	1.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B234514 - SW-846 5030B										
Blank (B234514-BLK1)				Prepared & Analyzed: 07/01/19						
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							
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							

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B234514 - SW-846 5030B										
Blank (B234514-BLK1)				Prepared & Analyzed: 07/01/19						
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	*24.7*		µg/L	25.0		98.7	70-130			
Surrogate: Toluene-d8	*27.6*		µg/L	25.0		110	70-130			
Surrogate: 4-Bromofluorobenzene	*23.6*		µg/L	25.0		94.5	70-130			
LCS (B234514-BS1)				Prepared & Analyzed: 07/01/19						
Acetone	116	10	µg/L	100		116	70-130			V-36
Acrylonitrile	11.3	2.0	µg/L	10.0		113	70-130			
Benzene	9.04	0.50	µg/L	10.0		90.4	70-130			
Bromobenzene	10.6	0.50	µg/L	10.0		106	70-130			
Bromodichloromethane	10.5	0.50	µg/L	10.0		105	70-130			
Bromoform	11.1	0.50	µg/L	10.0		111	70-130			
Bromomethane	10.9	1.0	µg/L	10.0		109	70-130			V-34
2-Butanone (MEK)	109	5.0	µg/L	100		109	70-130			
n-Butylbenzene	8.21	1.0	µg/L	10.0		82.1	70-130			
sec-Butylbenzene	8.51	1.0	µg/L	10.0		85.1	70-130			
tert-Butylbenzene	8.93	1.0	µg/L	10.0		89.3	70-130			
Carbon Disulfide	95.7	5.0	µg/L	100		95.7	70-130			V-36
Carbon Tetrachloride	9.64	0.50	µg/L	10.0		96.4	70-130			
Chlorobenzene	10.5	0.50	µg/L	10.0		105	70-130			
Chlorodibromomethane	11.8	0.50	µg/L	10.0		118	70-130			
Chloroethane	9.92	0.50	µg/L	10.0		99.2	70-130			
Chloroform	9.03	0.50	µg/L	10.0		90.3	70-130			
Chloromethane	7.25	0.60	µg/L	10.0		72.5	70-130			
2-Chlorotoluene	9.75	0.50	µg/L	10.0		97.5	70-130			
4-Chlorotoluene	9.71	0.50	µg/L	10.0		97.1	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.2	1.0	µg/L	10.0		102	70-130			
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130			
Dibromomethane	11.7	0.50	µg/L	10.0		117	70-130			
1,2-Dichlorobenzene	10.1	0.50	µg/L	10.0		101	70-130			
1,3-Dichlorobenzene	9.61	0.50	µg/L	10.0		96.1	70-130			
1,4-Dichlorobenzene	9.84	0.50	µg/L	10.0		98.4	70-130			
trans-1,4-Dichloro-2-butene	12.0	2.0	µg/L	10.0		120	70-130			
Dichlorodifluoromethane (Freon 12)	9.54	0.50	µg/L	10.0		95.4	70-130			
1,1-Dichloroethane	9.60	0.50	µg/L	10.0		96.0	70-130			
1,2-Dichloroethane	11.4	0.50	µg/L	10.0		114	70-130			
1,1-Dichloroethylene	10.7	0.50	µg/L	10.0		107	70-130			
cis-1,2-Dichloroethylene	9.74	0.50	µg/L	10.0		97.4	70-130			
trans-1,2-Dichloroethylene	9.85	1.0	µg/L	10.0		98.5	70-130			
1,2-Dichloropropane	11.0	0.50	µg/L	10.0		110	70-130			
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102	70-130			
2,2-Dichloropropane	9.32	0.50	µg/L	10.0		93.2	70-130			
1,1-Dichloropropene	8.88	0.50	µg/L	10.0		88.8	70-130			
cis-1,3-Dichloropropene	9.84	0.50	µg/L	10.0		98.4	70-130			
trans-1,3-Dichloropropene	9.62	0.50	µg/L	10.0		96.2	70-130			

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B234514 - SW-846 5030B										
LCS (B234514-BS1)				Prepared & Analyzed: 07/01/19						
Ethylbenzene	9.83	0.50	µg/L	10.0		98.3	70-130			
Hexachlorobutadiene	11.3	0.60	µg/L	10.0		113	70-130			
2-Hexanone (MBK)	128	5.0	µg/L	100		128	70-130			
Isopropylbenzene (Cumene)	10.2	0.50	µg/L	10.0		102	70-130			
p-Isopropyltoluene (p-Cymene)	9.20	0.50	µg/L	10.0		92.0	70-130			
Methyl tert-Butyl Ether (MTBE)	8.68	0.50	µg/L	10.0		86.8	70-130			
Methylene Chloride	10.3	5.0	µg/L	10.0		103	70-130			
4-Methyl-2-pentanone (MIBK)	125	5.0	µg/L	100		125	70-130			
Naphthalene	10.2	2.0	µg/L	10.0		102	70-130			
n-Propylbenzene	9.74	1.0	µg/L	10.0		97.4	70-130			
Styrene	10.5	1.0	µg/L	10.0		105	70-130			
1,1,1,2-Tetrachloroethane	10.7	0.50	µg/L	10.0		107	70-130			
1,1,2,2-Tetrachloroethane	10.9	0.50	µg/L	10.0		109	70-130			
Tetrachloroethylene	12.2	1.0	µg/L	10.0		122	70-130			
Tetrahydrofuran	10.1	10	µg/L	10.0		101	70-130			
Toluene	9.92	1.0	µg/L	10.0		99.2	70-130			
1,2,3-Trichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130			
1,2,4-Trichlorobenzene	10.5	0.50	µg/L	10.0		105	70-130			
1,1,1-Trichloroethane	9.18	0.50	µg/L	10.0		91.8	70-130			
1,1,2-Trichloroethane	10.8	0.50	µg/L	10.0		108	70-130			
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
Trichlorofluoromethane (Freon 11)	10.2	2.0	µg/L	10.0		102	70-130			
1,2,3-Trichloropropane	11.6	0.50	µg/L	10.0		116	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	0.50	µg/L	10.0		110	70-130			
1,2,4-Trimethylbenzene	8.81	0.50	µg/L	10.0		88.1	70-130			
1,3,5-Trimethylbenzene	9.85	0.50	µg/L	10.0		98.5	70-130			
Vinyl Chloride	9.24	1.0	µg/L	10.0		92.4	70-130			
m+p Xylene	19.9	2.0	µg/L	20.0		99.4	70-130			
o-Xylene	9.61	1.0	µg/L	10.0		96.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.8*		µg/L	25.0		95.2	70-130			
Surrogate: Toluene-d8	*26.4*		µg/L	25.0		106	70-130			
Surrogate: 4-Bromofluorobenzene	*26.0*		µg/L	25.0		104	70-130			
Batch B234543 - SW-846 5030B										
Blank (B234543-BLK1)				Prepared: 07/01/19 Analyzed: 07/02/19						
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	1.0	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							

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

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B234543 - SW-846 5030B										
Blank (B234543-BLK1)				Prepared: 07/01/19 Analyzed: 07/02/19						
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							L-03
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							L-03, V-05
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							
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							

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B234543 - SW-846 5030B											
Blank (B234543-BLK1)				Prepared: 07/01/19 Analyzed: 07/02/19							
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*23.8*		µg/L	25.0		95.0		70-130			
Surrogate: Toluene-d8	*27.4*		µg/L	25.0		110		70-130			
Surrogate: 4-Bromofluorobenzene	*24.3*		µg/L	25.0		97.0		70-130			
LCS (B234543-BS1)				Prepared: 07/01/19 Analyzed: 07/02/19							
Acetone	103	10	µg/L	100		103		70-130			V-36
Acrylonitrile	10.7	2.0	µg/L	10.0		107		70-130			
Benzene	8.92	0.50	µg/L	10.0		89.2		70-130			
Bromobenzene	10.4	0.50	µg/L	10.0		104		70-130			
Bromodichloromethane	10.1	0.50	µg/L	10.0		101		70-130			
Bromoform	10.7	0.50	µg/L	10.0		107		70-130			
Bromomethane	8.27	1.0	µg/L	10.0		82.7		70-130			V-34
2-Butanone (MEK)	102	5.0	µg/L	100		102		70-130			
n-Butylbenzene	7.59	1.0	µg/L	10.0		75.9		70-130			
sec-Butylbenzene	8.06	1.0	µg/L	10.0		80.6		70-130			
tert-Butylbenzene	8.52	1.0	µg/L	10.0		85.2		70-130			
Carbon Disulfide	91.2	5.0	µg/L	100		91.2		70-130			V-36
Carbon Tetrachloride	9.25	0.50	µg/L	10.0		92.5		70-130			
Chlorobenzene	10.5	0.50	µg/L	10.0		105		70-130			
Chlorodibromomethane	11.6	0.50	µg/L	10.0		116		70-130			
Chloroethane	9.34	0.50	µg/L	10.0		93.4		70-130			
Chloroform	8.80	0.50	µg/L	10.0		88.0		70-130			
Chloromethane	6.98	0.60	µg/L	10.0		**69.8**	*	70-130			L-03
2-Chlorotoluene	9.20	0.50	µg/L	10.0		92.0		70-130			
4-Chlorotoluene	9.33	0.50	µg/L	10.0		93.3		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.61	1.0	µg/L	10.0		96.1		70-130			
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104		70-130			
Dibromomethane	11.2	0.50	µg/L	10.0		112		70-130			
1,2-Dichlorobenzene	9.68	0.50	µg/L	10.0		96.8		70-130			
1,3-Dichlorobenzene	9.27	0.50	µg/L	10.0		92.7		70-130			
1,4-Dichlorobenzene	9.43	0.50	µg/L	10.0		94.3		70-130			
trans-1,4-Dichloro-2-butene	9.46	2.0	µg/L	10.0		94.6		70-130			
Dichlorodifluoromethane (Freon 12)	9.16	0.50	µg/L	10.0		91.6		70-130			
1,1-Dichloroethane	9.33	0.50	µg/L	10.0		93.3		70-130			
1,2-Dichloroethane	10.9	0.50	µg/L	10.0		109		70-130			
1,1-Dichloroethylene	9.62	0.50	µg/L	10.0		96.2		70-130			
cis-1,2-Dichloroethylene	8.98	0.50	µg/L	10.0		89.8		70-130			
trans-1,2-Dichloroethylene	9.78	1.0	µg/L	10.0		97.8		70-130			
1,2-Dichloropropane	10.9	0.50	µg/L	10.0		109		70-130			
1,3-Dichloropropane	9.87	0.50	µg/L	10.0		98.7		70-130			
2,2-Dichloropropane	5.75	0.50	µg/L	10.0		**57.5**	*	70-130			L-03, V-05
1,1-Dichloropropene	8.54	0.50	µg/L	10.0		85.4		70-130			
cis-1,3-Dichloropropene	8.87	0.50	µg/L	10.0		88.7		70-130			
trans-1,3-Dichloropropene	8.64	0.50	µg/L	10.0		86.4		70-130			
Ethylbenzene	9.75	0.50	µg/L	10.0		97.5		70-130			
Hexachlorobutadiene	10.4	0.60	µg/L	10.0		104		70-130			
2-Hexanone (MBK)	120	5.0	µg/L	100		120		70-130			
Isopropylbenzene (Cumene)	10.0	0.50	µg/L	10.0		100		70-130			
p-Isopropyltoluene (p-Cymene)	8.66	0.50	µg/L	10.0		86.6		70-130			
Methyl tert-Butyl Ether (MTBE)	8.31	0.50	µg/L	10.0		83.1		70-130			
Methylene Chloride	10.2	5.0	µg/L	10.0		102		70-130			

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B234543 - SW-846 5030B										
LCS (B234543-BS1)				Prepared: 07/01/19 Analyzed: 07/02/19						
4-Methyl-2-pentanone (MIBK)	120	5.0	µg/L	100		120	70-130			
Naphthalene	9.81	2.0	µg/L	10.0		98.1	70-130			
n-Propylbenzene	9.06	1.0	µg/L	10.0		90.6	70-130			
Styrene	10.2	1.0	µg/L	10.0		102	70-130			
1,1,1,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	70-130			
1,1,2,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106	70-130			
Tetrachloroethylene	11.6	1.0	µg/L	10.0		116	70-130			
Tetrahydrofuran	9.87	10	µg/L	10.0		98.7	70-130			
Toluene	9.81	1.0	µg/L	10.0		98.1	70-130			
1,2,3-Trichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130			
1,2,4-Trichlorobenzene	9.98	0.50	µg/L	10.0		99.8	70-130			
1,1,1-Trichloroethane	8.92	0.50	µg/L	10.0		89.2	70-130			
1,1,2-Trichloroethane	10.4	0.50	µg/L	10.0		104	70-130			
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
Trichlorofluoromethane (Freon 11)	9.08	2.0	µg/L	10.0		90.8	70-130			
1,2,3-Trichloropropane	11.3	0.50	µg/L	10.0		113	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.62	0.50	µg/L	10.0		96.2	70-130			
1,2,4-Trimethylbenzene	8.53	0.50	µg/L	10.0		85.3	70-130			
1,3,5-Trimethylbenzene	9.56	0.50	µg/L	10.0		95.6	70-130			
Vinyl Chloride	8.71	1.0	µg/L	10.0		87.1	70-130			
m+p Xylene	19.2	2.0	µg/L	20.0		96.0	70-130			
o-Xylene	9.37	1.0	µg/L	10.0		93.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	*22.8*		µg/L	25.0		91.2	70-130			
Surrogate: Toluene-d8	*26.4*		µg/L	25.0		106	70-130			
Surrogate: 4-Bromofluorobenzene	*26.7*		µg/L	25.0		107	70-130			

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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 B234356 - SW-846 3510C										
Blank (B234356-BLK1)				Prepared: 06/27/19 Analyzed: 06/29/19						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Aniline	ND	5.0	µg/L							
Anthracene	ND	5.0	µg/L							
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							R-05, V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							V-34
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							V-05
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							V-34
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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 B234356 - SW-846 3510C											
Blank (B234356-BLK1)				Prepared: 06/27/19 Analyzed: 06/29/19							
4-Nitrophenol	ND	10	µg/L								
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L								
N-Nitrosodi-n-propylamine	ND	10	µg/L								
Pentachloronitrobenzene	ND	10	µg/L								
Pentachlorophenol	ND	10	µg/L								
Phenanthrene	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyrene	ND	5.0	µg/L								
Pyridine	ND	5.0	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L								
1,2,4-Trichlorobenzene	ND	5.0	µg/L								
2,4,5-Trichlorophenol	ND	10	µg/L								
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*97.2*		µg/L	200		48.6	15-110				
Surrogate: Phenol-d6	*75.9*		µg/L	200		37.9	15-110				
Surrogate: Nitrobenzene-d5	*60.3*		µg/L	100		60.3	30-130				
Surrogate: 2-Fluorobiphenyl	*80.4*		µg/L	100		80.4	30-130				
Surrogate: 2,4,6-Tribromophenol	*193*		µg/L	200		96.6	15-110				
Surrogate: p-Terphenyl-d14	*96.1*		µg/L	100		96.1	30-130				
LCS (B234356-BS1)				Prepared: 06/27/19 Analyzed: 06/29/19							
Acenaphthene	40.3	5.0	µg/L	50.0		80.7	40-140				
Acenaphthylene	43.9	5.0	µg/L	50.0		87.8	40-140				
Aniline	36.1	5.0	µg/L	50.0		72.3	40-140				†
Anthracene	44.9	5.0	µg/L	50.0		89.8	40-140				
Benzo(a)anthracene	43.8	5.0	µg/L	50.0		87.6	40-140				
Benzo(a)pyrene	46.6	5.0	µg/L	50.0		93.2	40-140				
Benzo(b)fluoranthene	43.2	5.0	µg/L	50.0		86.5	40-140				
Benzo(g,h,i)perylene	49.0	5.0	µg/L	50.0		98.0	40-140				
Benzo(k)fluoranthene	46.0	5.0	µg/L	50.0		91.9	40-140				
Bis(2-chloroethoxy)methane	47.4	10	µg/L	50.0		94.9	40-140				
Bis(2-chloroethyl)ether	36.1	10	µg/L	50.0		72.1	40-140				
Bis(2-chloroisopropyl)ether	39.6	10	µg/L	50.0		79.2	40-140				
Bis(2-Ethylhexyl)phthalate	36.8	10	µg/L	50.0		73.6	40-140				
4-Bromophenylphenylether	48.2	10	µg/L	50.0		96.5	40-140				
Butylbenzylphthalate	40.5	10	µg/L	50.0		80.9	40-140				
Carbazole	45.0	10	µg/L	50.0		89.9	40-140				
4-Chloroaniline	43.7	10	µg/L	50.0		87.5	40-140			R-05, V-34	†
4-Chloro-3-methylphenol	42.4	10	µg/L	50.0		84.7	30-130				
2-Chloronaphthalene	39.8	10	µg/L	50.0		79.5	40-140				
2-Chlorophenol	42.3	10	µg/L	50.0		84.5	30-130				
4-Chlorophenylphenylether	46.6	10	µg/L	50.0		93.2	40-140				
Chrysene	41.6	5.0	µg/L	50.0		83.2	40-140				
Dibenz(a,h)anthracene	46.5	5.0	µg/L	50.0		93.0	40-140				
Dibenzofuran	44.7	5.0	µg/L	50.0		89.4	40-140				
Di-n-butylphthalate	39.8	10	µg/L	50.0		79.7	40-140				
3,3-Dichlorobenzidine	51.2	10	µg/L	50.0		102	40-140			V-34	†
2,4-Dichlorophenol	48.8	10	µg/L	50.0		97.6	30-130				
Diethylphthalate	40.3	10	µg/L	50.0		80.6	40-140				
2,4-Dimethylphenol	46.5	10	µg/L	50.0		93.1	30-130				
Dimethylphthalate	42.2	10	µg/L	50.0		84.4	40-140				
4,6-Dinitro-2-methylphenol	44.2	10	µg/L	50.0		88.5	30-130				

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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 B234356 - SW-846 3510C												
LCS (B234356-BS1)				Prepared: 06/27/19 Analyzed: 06/29/19								
2,4-Dinitrophenol	40.8	10	µg/L	50.0		81.7		30-130				
2,4-Dinitrotoluene	46.9	10	µg/L	50.0		93.8		40-140				
2,6-Dinitrotoluene	48.7	10	µg/L	50.0		97.5		40-140				
Di-n-octylphthalate	36.6	10	µg/L	50.0		73.3		40-140				
Fluoranthene	45.9	5.0	µg/L	50.0		91.9		40-140				
Fluorene	45.1	5.0	µg/L	50.0		90.3		40-140				
Hexachlorobenzene	49.3	10	µg/L	50.0		98.6		40-140				
Hexachlorobutadiene	39.4	10	µg/L	50.0		78.7		40-140				
Hexachlorocyclopentadiene	27.2	10	µg/L	50.0		54.5		30-140			V-05	
Hexachloroethane	32.5	10	µg/L	50.0		64.9		40-140				
Indeno(1,2,3-cd)pyrene	48.5	5.0	µg/L	50.0		97.0		40-140				
Isophorone	42.3	10	µg/L	50.0		84.6		40-140				
2-Methylnaphthalene	43.2	5.0	µg/L	50.0		86.3		40-140				
2-Methylphenol	41.0	10	µg/L	50.0		82.1		30-130				
3/4-Methylphenol	36.8	10	µg/L	50.0		73.6		30-130				
Naphthalene	42.2	5.0	µg/L	50.0		84.5		40-140				
2-Nitroaniline	34.0	10	µg/L	50.0		68.0		40-140				
3-Nitroaniline	43.1	10	µg/L	50.0		86.2		40-140			V-34	†
4-Nitroaniline	47.8	10	µg/L	50.0		95.5		40-140				
Nitrobenzene	36.7	10	µg/L	50.0		73.4		40-140				
2-Nitrophenol	46.8	10	µg/L	50.0		93.6		30-130				
4-Nitrophenol	21.7	10	µg/L	50.0		43.3		10-130				
N-Nitrosodiphenylamine/Diphenylamine	50.5	10	µg/L	50.0		101		40-140				
N-Nitrosodi-n-propylamine	35.1	10	µg/L	50.0		70.2		40-140				
Pentachloronitrobenzene	50.9	10	µg/L	50.0		102		40-140				
Pentachlorophenol	42.5	10	µg/L	50.0		85.0		30-130				
Phenanthrene	44.8	5.0	µg/L	50.0		89.5		40-140				
Phenol	22.6	10	µg/L	50.0		45.2		20-130				
Pyrene	45.6	5.0	µg/L	50.0		91.1		40-140				
Pyridine	17.6	5.0	µg/L	50.0		35.2		10-140				†
1,2,4,5-Tetrachlorobenzene	42.3	10	µg/L	50.0		84.6		40-140				
1,2,4-Trichlorobenzene	43.9	5.0	µg/L	50.0		87.8		40-140				
2,4,5-Trichlorophenol	48.1	10	µg/L	50.0		96.3		30-130				
2,4,6-Trichlorophenol	46.0	10	µg/L	50.0		92.0		30-130				
Surrogate: 2-Fluorophenol	*129*		µg/L	200		64.7		15-110				
Surrogate: Phenol-d6	*103*		µg/L	200		51.4		15-110				
Surrogate: Nitrobenzene-d5	*79.5*		µg/L	100		79.5		30-130				
Surrogate: 2-Fluorobiphenyl	*107*		µg/L	100		107		30-130				
Surrogate: 2,4,6-Tribromophenol	*227*		µg/L	200		**114**	*	15-110			S-07	
Surrogate: p-Terphenyl-d14	*108*		µg/L	100		108		30-130				
LCS Dup (B234356-BSD1)				Prepared: 06/27/19 Analyzed: 06/29/19								
Acenaphthene	34.8	5.0	µg/L	50.0		69.6		40-140	14.8	20		
Acenaphthylene	37.4	5.0	µg/L	50.0		74.8		40-140	16.0	20		
Aniline	28.0	5.0	µg/L	50.0		56.0		40-140	25.4	50		† ‡
Anthracene	38.6	5.0	µg/L	50.0		77.3		40-140	15.0	20		
Benzo(a)anthracene	38.4	5.0	µg/L	50.0		76.8		40-140	13.1	20		
Benzo(a)pyrene	40.3	5.0	µg/L	50.0		80.6		40-140	14.5	20		
Benzo(b)fluoranthene	37.3	5.0	µg/L	50.0		74.6		40-140	14.7	20		
Benzo(g,h,i)perylene	41.1	5.0	µg/L	50.0		82.2		40-140	17.4	20		
Benzo(k)fluoranthene	37.7	5.0	µg/L	50.0		75.4		40-140	19.7	20		
Bis(2-chloroethoxy)methane	40.9	10	µg/L	50.0		81.9		40-140	14.7	20		

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

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 B234356 - SW-846 3510C												
LCS Dup (B234356-BSD1)				Prepared: 06/27/19 Analyzed: 06/29/19								
Bis(2-chloroethyl)ether	32.4	10	µg/L	50.0		64.7	40-140	10.8		20		
Bis(2-chloroisopropyl)ether	35.2	10	µg/L	50.0		70.3	40-140	11.9		20		
Bis(2-Ethylhexyl)phthalate	31.5	10	µg/L	50.0		63.1	40-140	15.4		20		
4-Bromophenylphenylether	41.7	10	µg/L	50.0		83.3	40-140	14.6		20		
Butylbenzylphthalate	34.7	10	µg/L	50.0		69.3	40-140	15.4		20		
Carbazole	38.7	10	µg/L	50.0		77.5	40-140	14.9		20		
4-Chloroaniline	29.7	10	µg/L	50.0		59.3	40-140	**38.3**	*	20	R-05, V-34	†
4-Chloro-3-methylphenol	37.8	10	µg/L	50.0		75.6	30-130	11.4		20		
2-Chloronaphthalene	33.5	10	µg/L	50.0		66.9	40-140	17.2		20		
2-Chlorophenol	36.9	10	µg/L	50.0		73.8	30-130	13.6		20		
4-Chlorophenylphenylether	39.4	10	µg/L	50.0		78.7	40-140	16.9		20		
Chrysene	36.9	5.0	µg/L	50.0		73.8	40-140	12.1		20		
Dibenz(a,h)anthracene	39.1	5.0	µg/L	50.0		78.2	40-140	17.2		20		
Dibenzofuran	38.5	5.0	µg/L	50.0		77.1	40-140	14.9		20		
Di-n-butylphthalate	35.1	10	µg/L	50.0		70.3	40-140	12.6		20		
3,3-Dichlorobenzidine	44.8	10	µg/L	50.0		89.7	40-140	13.2		20	V-34	† ‡
2,4-Dichlorophenol	41.7	10	µg/L	50.0		83.4	30-130	15.6		20		
Diethylphthalate	35.4	10	µg/L	50.0		70.9	40-140	12.9		20		
2,4-Dimethylphenol	38.9	10	µg/L	50.0		77.9	30-130	17.8		20		
Dimethylphthalate	36.4	10	µg/L	50.0		72.8	40-140	14.9		50		
4,6-Dinitro-2-methylphenol	37.3	10	µg/L	50.0		74.7	30-130	16.9		50		
2,4-Dinitrophenol	34.4	10	µg/L	50.0		68.7	30-130	17.2		50		
2,4-Dinitrotoluene	40.6	10	µg/L	50.0		81.2	40-140	14.4		20		
2,6-Dinitrotoluene	41.3	10	µg/L	50.0		82.6	40-140	16.5		20		
Di-n-octylphthalate	32.2	10	µg/L	50.0		64.3	40-140	13.0		20		
Fluoranthene	38.9	5.0	µg/L	50.0		77.9	40-140	16.5		20		
Fluorene	38.8	5.0	µg/L	50.0		77.5	40-140	15.2		20		
Hexachlorobenzene	40.6	10	µg/L	50.0		81.3	40-140	19.3		20		
Hexachlorobutadiene	34.9	10	µg/L	50.0		69.8	40-140	12.0		20		
Hexachlorocyclopentadiene	20.9	10	µg/L	50.0		41.8	30-140	26.4		50	V-05	
Hexachloroethane	29.8	10	µg/L	50.0		59.7	40-140	8.48		50		
Indeno(1,2,3-cd)pyrene	40.6	5.0	µg/L	50.0		81.2	40-140	17.7		50		
Isophorone	37.0	10	µg/L	50.0		74.0	40-140	13.3		20		
2-Methylnaphthalene	36.9	5.0	µg/L	50.0		73.8	40-140	15.6		20		
2-Methylphenol	36.2	10	µg/L	50.0		72.5	30-130	12.5		20		
3/4-Methylphenol	33.2	10	µg/L	50.0		66.4	30-130	10.3		20		
Naphthalene	37.3	5.0	µg/L	50.0		74.6	40-140	12.4		20		
2-Nitroaniline	29.3	10	µg/L	50.0		58.7	40-140	14.7		20		
3-Nitroaniline	35.3	10	µg/L	50.0		70.7	40-140	19.8		20	V-34	†
4-Nitroaniline	40.5	10	µg/L	50.0		81.0	40-140	16.5		20		
Nitrobenzene	31.4	10	µg/L	50.0		62.7	40-140	15.7		20		
2-Nitrophenol	39.0	10	µg/L	50.0		78.1	30-130	18.1		20		
4-Nitrophenol	19.4	10	µg/L	50.0		38.7	10-130	11.2		50		‡
N-Nitrosodiphenylamine/Diphenylamine	41.4	10	µg/L	50.0		82.8	40-140	19.8		20		
N-Nitrosodi-n-propylamine	30.9	10	µg/L	50.0		61.9	40-140	12.5		20		
Pentachloronitrobenzene	42.7	10	µg/L	50.0		85.5	40-140	17.4		20		
Pentachlorophenol	33.6	10	µg/L	50.0		67.2	30-130	23.3		50		
Phenanthrene	39.2	5.0	µg/L	50.0		78.4	40-140	13.3		20		
Phenol	20.7	10	µg/L	50.0		41.4	20-130	8.87		20		
Pyrene	41.5	5.0	µg/L	50.0		83.0	40-140	9.38		20		
Pyridine	16.3	5.0	µg/L	50.0		32.6	10-140	7.67		50		†
1,2,4,5-Tetrachlorobenzene	35.3	10	µg/L	50.0		70.6	40-140	18.0		20		

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

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 B234356 - SW-846 3510C										
LCS Dup (B234356-BSD1)				Prepared: 06/27/19 Analyzed: 06/29/19						
1,2,4-Trichlorobenzene	38.6	5.0	µg/L	50.0		77.1	40-140	12.9	20	
2,4,5-Trichlorophenol	40.1	10	µg/L	50.0		80.2	30-130	18.2	20	
2,4,6-Trichlorophenol	38.5	10	µg/L	50.0		77.0	30-130	17.8	50	
Surrogate: 2-Fluorophenol	*117*		µg/L	200		58.7	15-110			
Surrogate: Phenol-d6	*94.0*		µg/L	200		47.0	15-110			
Surrogate: Nitrobenzene-d5	*71.2*		µg/L	100		71.2	30-130			
Surrogate: 2-Fluorobiphenyl	*87.3*		µg/L	100		87.3	30-130			
Surrogate: 2,4,6-Tribromophenol	*199*		µg/L	200		99.4	15-110			
Surrogate: p-Terphenyl-d14	*95.9*		µg/L	100		95.9	30-130			
Batch B234539 - SW-846 3510C										
Blank (B234539-BLK1)				Prepared: 07/01/19 Analyzed: 07/03/19						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Aniline	ND	5.0	µg/L							
Anthracene	ND	5.0	µg/L							
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							

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

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 B234539 - SW-846 3510C										
Blank (B234539-BLK1)				Prepared: 07/01/19 Analyzed: 07/03/19						
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							
Pentachlorophenol	ND	10	µg/L							
Phenanthrene	ND	5.0	µg/L							
Phenol	ND	10	µg/L							
Pyrene	ND	5.0	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*86.0*		µg/L	200		43.0	15-110			
Surrogate: Phenol-d6	*59.3*		µg/L	200		29.6	15-110			
Surrogate: Nitrobenzene-d5	*76.2*		µg/L	100		76.2	30-130			
Surrogate: 2-Fluorobiphenyl	*73.6*		µg/L	100		73.6	30-130			
Surrogate: 2,4,6-Tribromophenol	*170*		µg/L	200		85.0	15-110			
Surrogate: p-Terphenyl-d14	*75.2*		µg/L	100		75.2	30-130			
Blank (B234539-BLK2)				Prepared: 07/01/19 Analyzed: 07/03/19						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Aniline	ND	5.0	µg/L							
Anthracene	ND	5.0	µg/L							
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							

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

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 B234539 - SW-846 3510C										
Blank (B234539-BLK2)				Prepared: 07/01/19 Analyzed: 07/03/19						
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							V-34
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-34
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							V-34
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							V-34
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							V-16
Pentachlorophenol	ND	10	µg/L							
Phenanthrene	ND	5.0	µg/L							
Phenol	ND	10	µg/L							
Pyrene	ND	5.0	µg/L							
Pyridine	ND	5.0	µg/L							V-34
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*86.0*		µg/L	200		43.0	15-110			
Surrogate: Phenol-d6	*59.3*		µg/L	200		29.6	15-110			
Surrogate: Nitrobenzene-d5	*76.2*		µg/L	100		76.2	30-130			
Surrogate: 2-Fluorobiphenyl	*73.6*		µg/L	100		73.6	30-130			
Surrogate: 2,4,6-Tribromophenol	*170*		µg/L	200		85.0	15-110			
Surrogate: p-Terphenyl-d14	*75.2*		µg/L	100		75.2	30-130			

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

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 B234539 - SW-846 3510C										
LCS (B234539-BS1)				Prepared: 07/01/19 Analyzed: 07/03/19						
Acenaphthene	41.9	5.0	µg/L	50.0		83.7	40-140			
Acenaphthylene	41.4	5.0	µg/L	50.0		82.7	40-140			
Aniline	37.0	5.0	µg/L	50.0		74.0	40-140			†
Anthracene	42.0	5.0	µg/L	50.0		84.0	40-140			
Benzo(a)anthracene	40.3	5.0	µg/L	50.0		80.6	40-140			
Benzo(a)pyrene	43.4	5.0	µg/L	50.0		86.7	40-140			
Benzo(b)fluoranthene	40.2	5.0	µg/L	50.0		80.5	40-140			
Benzo(g,h,i)perylene	42.1	5.0	µg/L	50.0		84.1	40-140			
Benzo(k)fluoranthene	41.8	5.0	µg/L	50.0		83.6	40-140			
Bis(2-chloroethoxy)methane	43.0	10	µg/L	50.0		86.0	40-140			
Bis(2-chloroethyl)ether	39.2	10	µg/L	50.0		78.3	40-140			
Bis(2-chloroisopropyl)ether	40.0	10	µg/L	50.0		80.0	40-140			
Bis(2-Ethylhexyl)phthalate	37.4	10	µg/L	50.0		74.7	40-140			
4-Bromophenylphenylether	39.5	10	µg/L	50.0		79.1	40-140			
Butylbenzylphthalate	38.0	10	µg/L	50.0		76.0	40-140			
Carbazole	42.8	10	µg/L	50.0		85.6	40-140			
4-Chloroaniline	35.5	10	µg/L	50.0		71.1	40-140			†
4-Chloro-3-methylphenol	42.3	10	µg/L	50.0		84.6	30-130			
2-Chloronaphthalene	38.4	10	µg/L	50.0		76.8	40-140			
2-Chlorophenol	39.0	10	µg/L	50.0		78.0	30-130			
4-Chlorophenylphenylether	42.0	10	µg/L	50.0		84.1	40-140			
Chrysene	40.5	5.0	µg/L	50.0		81.0	40-140			
Dibenz(a,h)anthracene	41.9	5.0	µg/L	50.0		83.7	40-140			
Dibenzofuran	42.8	5.0	µg/L	50.0		85.6	40-140			
Di-n-butylphthalate	38.4	10	µg/L	50.0		76.9	40-140			
3,3-Dichlorobenzidine	42.7	10	µg/L	50.0		85.4	40-140			†
2,4-Dichlorophenol	42.3	10	µg/L	50.0		84.7	30-130			
Diethylphthalate	41.4	10	µg/L	50.0		82.8	40-140			
2,4-Dimethylphenol	37.9	10	µg/L	50.0		75.7	30-130			
Dimethylphthalate	41.1	10	µg/L	50.0		82.1	40-140			
4,6-Dinitro-2-methylphenol	48.2	10	µg/L	50.0		96.4	30-130			
2,4-Dinitrophenol	56.6	10	µg/L	50.0		113	30-130			
2,4-Dinitrotoluene	50.1	10	µg/L	50.0		100	40-140			
2,6-Dinitrotoluene	48.6	10	µg/L	50.0		97.1	40-140			
Di-n-octylphthalate	37.3	10	µg/L	50.0		74.5	40-140			
Fluoranthene	44.9	5.0	µg/L	50.0		89.7	40-140			
Fluorene	43.7	5.0	µg/L	50.0		87.3	40-140			
Hexachlorobenzene	40.7	10	µg/L	50.0		81.5	40-140			
Hexachlorobutadiene	38.2	10	µg/L	50.0		76.5	40-140			
Hexachlorocyclopentadiene	36.2	10	µg/L	50.0		72.4	30-140			
Hexachloroethane	36.3	10	µg/L	50.0		72.6	40-140			
Indeno(1,2,3-cd)pyrene	45.0	5.0	µg/L	50.0		90.0	40-140			
Isophorone	41.7	10	µg/L	50.0		83.3	40-140			
2-Methylnaphthalene	44.2	5.0	µg/L	50.0		88.4	40-140			
2-Methylphenol	32.9	10	µg/L	50.0		65.8	30-130			
3/4-Methylphenol	34.8	10	µg/L	50.0		69.6	30-130			
Naphthalene	40.6	5.0	µg/L	50.0		81.2	40-140			
2-Nitroaniline	44.1	10	µg/L	50.0		88.2	40-140			
3-Nitroaniline	44.6	10	µg/L	50.0		89.2	40-140			†
4-Nitroaniline	54.0	10	µg/L	50.0		108	40-140			
Nitrobenzene	40.8	10	µg/L	50.0		81.5	40-140			
2-Nitrophenol	45.4	10	µg/L	50.0		90.8	30-130			

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

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 B234539 - SW-846 3510C											
LCS (B234539-BS1)				Prepared: 07/01/19 Analyzed: 07/03/19							
4-Nitrophenol	26.2	10	µg/L	50.0		52.4	10-130				
N-Nitrosodiphenylamine/Diphenylamine	40.4	10	µg/L	50.0		80.8	40-140				
N-Nitrosodi-n-propylamine	40.2	10	µg/L	50.0		80.4	40-140				
Pentachloronitrobenzene	43.3	10	µg/L	50.0		86.7	40-140				
Pentachlorophenol	42.3	10	µg/L	50.0		84.6	30-130				
Phenanthrene	42.2	5.0	µg/L	50.0		84.4	40-140				
Phenol	19.2	10	µg/L	50.0		38.3	20-130				
Pyrene	39.2	5.0	µg/L	50.0		78.5	40-140				
Pyridine	18.0	5.0	µg/L	50.0		36.1	10-140				†
1,2,4,5-Tetrachlorobenzene	39.2	10	µg/L	50.0		78.3	40-140				
1,2,4-Trichlorobenzene	39.3	5.0	µg/L	50.0		78.6	40-140				
2,4,5-Trichlorophenol	42.4	10	µg/L	50.0		84.8	30-130				
2,4,6-Trichlorophenol	43.3	10	µg/L	50.0		86.5	30-130				
Surrogate: 2-Fluorophenol	*104*		µg/L	200		51.8	15-110				
Surrogate: Phenol-d6	*75.5*		µg/L	200		37.8	15-110				
Surrogate: Nitrobenzene-d5	*88.2*		µg/L	100		88.2	30-130				
Surrogate: 2-Fluorobiphenyl	*86.3*		µg/L	100		86.3	30-130				
Surrogate: 2,4,6-Tribromophenol	*195*		µg/L	200		97.4	15-110				
Surrogate: p-Terphenyl-d14	*84.3*		µg/L	100		84.3	30-130				
LCS (B234539-BS2)				Prepared: 07/01/19 Analyzed: 07/03/19							
Acenaphthene	41.9	5.0	µg/L	50.0		83.7	40-140				
Acenaphthylene	41.4	5.0	µg/L	50.0		82.7	40-140				
Aniline	37.0	5.0	µg/L	50.0		74.0	40-140				†
Anthracene	42.0	5.0	µg/L	50.0		84.0	40-140				
Benzo(a)anthracene	40.3	5.0	µg/L	50.0		80.6	40-140				
Benzo(a)pyrene	43.4	5.0	µg/L	50.0		86.7	40-140				
Benzo(b)fluoranthene	40.2	5.0	µg/L	50.0		80.5	40-140				
Benzo(g,h,i)perylene	42.1	5.0	µg/L	50.0		84.1	40-140				
Benzo(k)fluoranthene	41.8	5.0	µg/L	50.0		83.6	40-140				
Bis(2-chloroethoxy)methane	43.0	10	µg/L	50.0		86.0	40-140				
Bis(2-chloroethyl)ether	39.2	10	µg/L	50.0		78.3	40-140				
Bis(2-chloroisopropyl)ether	40.0	10	µg/L	50.0		80.0	40-140				
Bis(2-Ethylhexyl)phthalate	37.4	10	µg/L	50.0		74.7	40-140				
4-Bromophenylphenylether	39.5	10	µg/L	50.0		79.1	40-140				
Butylbenzylphthalate	38.0	10	µg/L	50.0		76.0	40-140				
Carbazole	42.8	10	µg/L	50.0		85.6	40-140				
4-Chloroaniline	35.5	10	µg/L	50.0		71.1	40-140			V-34	†
4-Chloro-3-methylphenol	42.3	10	µg/L	50.0		84.6	30-130				
2-Chloronaphthalene	38.4	10	µg/L	50.0		76.8	40-140				
2-Chlorophenol	39.0	10	µg/L	50.0		78.0	30-130				
4-Chlorophenylphenylether	42.0	10	µg/L	50.0		84.1	40-140				
Chrysene	40.5	5.0	µg/L	50.0		81.0	40-140				
Dibenz(a,h)anthracene	41.9	5.0	µg/L	50.0		83.7	40-140				
Dibenzofuran	42.8	5.0	µg/L	50.0		85.6	40-140				
Di-n-butylphthalate	38.4	10	µg/L	50.0		76.9	40-140				
3,3-Dichlorobenzidine	42.7	10	µg/L	50.0		85.4	40-140			V-34	†
2,4-Dichlorophenol	42.3	10	µg/L	50.0		84.7	30-130				
Diethylphthalate	41.4	10	µg/L	50.0		82.8	40-140				
2,4-Dimethylphenol	37.9	10	µg/L	50.0		75.7	30-130				
Dimethylphthalate	41.1	10	µg/L	50.0		82.1	40-140				
4,6-Dinitro-2-methylphenol	48.2	10	µg/L	50.0		96.4	30-130				

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

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 B234539 - SW-846 3510C											
LCS (B234539-BS2)				Prepared: 07/01/19 Analyzed: 07/03/19							
2,4-Dinitrophenol	56.6	10	µg/L	50.0		113	30-130			V-34	
2,4-Dinitrotoluene	50.1	10	µg/L	50.0		100	40-140				
2,6-Dinitrotoluene	48.6	10	µg/L	50.0		97.1	40-140				
Di-n-octylphthalate	37.3	10	µg/L	50.0		74.5	40-140				
Fluoranthene	44.9	5.0	µg/L	50.0		89.7	40-140				
Fluorene	43.7	5.0	µg/L	50.0		87.3	40-140				
Hexachlorobenzene	40.7	10	µg/L	50.0		81.5	40-140				
Hexachlorobutadiene	38.2	10	µg/L	50.0		76.5	40-140				
Hexachlorocyclopentadiene	36.2	10	µg/L	50.0		72.4	30-140				
Hexachloroethane	36.3	10	µg/L	50.0		72.6	40-140				
Indeno(1,2,3-cd)pyrene	45.0	5.0	µg/L	50.0		90.0	40-140				
Isophorone	41.7	10	µg/L	50.0		83.3	40-140				
2-Methylnaphthalene	44.2	5.0	µg/L	50.0		88.4	40-140				
2-Methylphenol	32.9	10	µg/L	50.0		65.8	30-130				
3/4-Methylphenol	34.8	10	µg/L	50.0		69.6	30-130				
Naphthalene	40.6	5.0	µg/L	50.0		81.2	40-140				
2-Nitroaniline	44.1	10	µg/L	50.0		88.2	40-140				
3-Nitroaniline	44.6	10	µg/L	50.0		89.2	40-140			V-34	†
4-Nitroaniline	54.0	10	µg/L	50.0		108	40-140				
Nitrobenzene	40.8	10	µg/L	50.0		81.5	40-140				
2-Nitrophenol	45.4	10	µg/L	50.0		90.8	30-130				
4-Nitrophenol	26.2	10	µg/L	50.0		52.4	10-130			V-34	
N-Nitrosodiphenylamine/Diphenylamine	40.4	10	µg/L	50.0		80.8	40-140				
N-Nitrosodi-n-propylamine	40.2	10	µg/L	50.0		80.4	40-140				
Pentachloronitrobenzene	43.3	10	µg/L	50.0		86.7	40-140			V-16	
Pentachlorophenol	42.3	10	µg/L	50.0		84.6	30-130				
Phenanthrene	42.2	5.0	µg/L	50.0		84.4	40-140				
Phenol	19.2	10	µg/L	50.0		38.3	20-130				
Pyrene	39.2	5.0	µg/L	50.0		78.5	40-140				
Pyridine	18.0	5.0	µg/L	50.0		36.1	10-140			V-34	†
1,2,4,5-Tetrachlorobenzene	39.2	10	µg/L	50.0		78.3	40-140				
1,2,4-Trichlorobenzene	39.3	5.0	µg/L	50.0		78.6	40-140				
2,4,5-Trichlorophenol	42.4	10	µg/L	50.0		84.8	30-130				
2,4,6-Trichlorophenol	43.3	10	µg/L	50.0		86.5	30-130				
Surrogate: 2-Fluorophenol	*104*		µg/L	200		51.8	15-110				
Surrogate: Phenol-d6	*75.5*		µg/L	200		37.8	15-110				
Surrogate: Nitrobenzene-d5	*88.2*		µg/L	100		88.2	30-130				
Surrogate: 2-Fluorobiphenyl	*86.3*		µg/L	100		86.3	30-130				
Surrogate: 2,4,6-Tribromophenol	*195*		µg/L	200		97.4	15-110				
Surrogate: p-Terphenyl-d14	*84.3*		µg/L	100		84.3	30-130				
LCS Dup (B234539-BSD1)				Prepared: 07/01/19 Analyzed: 07/03/19							
Acenaphthene	39.1	5.0	µg/L	50.0		78.1	40-140	6.94	20		
Acenaphthylene	38.7	5.0	µg/L	50.0		77.3	40-140	6.72	20		
Aniline	34.5	5.0	µg/L	50.0		68.9	40-140	7.16	50		† ‡
Anthracene	40.1	5.0	µg/L	50.0		80.2	40-140	4.61	20		
Benzo(a)anthracene	39.0	5.0	µg/L	50.0		78.1	40-140	3.15	20		
Benzo(a)pyrene	41.5	5.0	µg/L	50.0		82.9	40-140	4.46	20		
Benzo(b)fluoranthene	39.2	5.0	µg/L	50.0		78.4	40-140	2.57	20		
Benzo(g,h,i)perylene	40.9	5.0	µg/L	50.0		81.8	40-140	2.85	20		
Benzo(k)fluoranthene	40.2	5.0	µg/L	50.0		80.5	40-140	3.78	20		
Bis(2-chloroethoxy)methane	40.1	10	µg/L	50.0		80.2	40-140	6.96	20		

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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 B234539 - SW-846 3510C										
LCS Dup (B234539-BSD1)				Prepared: 07/01/19 Analyzed: 07/03/19						
Bis(2-chloroethyl)ether	34.5	10	µg/L	50.0		69.1	40-140	12.5	20	
Bis(2-chloroisopropyl)ether	35.5	10	µg/L	50.0		71.0	40-140	11.9	20	
Bis(2-Ethylhexyl)phthalate	36.6	10	µg/L	50.0		73.1	40-140	2.11	20	
4-Bromophenylphenylether	37.6	10	µg/L	50.0		75.1	40-140	5.11	20	
Butylbenzylphthalate	36.9	10	µg/L	50.0		73.8	40-140	2.94	20	
Carbazole	40.8	10	µg/L	50.0		81.5	40-140	4.93	20	
4-Chloroaniline	35.5	10	µg/L	50.0		71.0	40-140	0.0563	20	†
4-Chloro-3-methylphenol	39.6	10	µg/L	50.0		79.3	30-130	6.47	20	
2-Chloronaphthalene	33.6	10	µg/L	50.0		67.2	40-140	13.3	20	
2-Chlorophenol	34.4	10	µg/L	50.0		68.8	30-130	12.6	20	
4-Chlorophenylphenylether	40.6	10	µg/L	50.0		81.3	40-140	3.39	20	
Chrysene	38.9	5.0	µg/L	50.0		77.7	40-140	4.16	20	
Dibenz(a,h)anthracene	40.7	5.0	µg/L	50.0		81.5	40-140	2.74	20	
Dibenzofuran	40.3	5.0	µg/L	50.0		80.5	40-140	6.12	20	
Di-n-butylphthalate	37.5	10	µg/L	50.0		75.0	40-140	2.47	20	
3,3-Dichlorobenzidine	42.5	10	µg/L	50.0		85.1	40-140	0.399	20	† ‡
2,4-Dichlorophenol	38.9	10	µg/L	50.0		77.9	30-130	8.34	20	
Diethylphthalate	40.3	10	µg/L	50.0		80.6	40-140	2.77	20	
2,4-Dimethylphenol	33.8	10	µg/L	50.0		67.7	30-130	11.2	20	
Dimethylphthalate	39.6	10	µg/L	50.0		79.1	40-140	3.75	50	
4,6-Dinitro-2-methylphenol	47.0	10	µg/L	50.0		93.9	30-130	2.56	50	
2,4-Dinitrophenol	54.7	10	µg/L	50.0		109	30-130	3.54	50	
2,4-Dinitrotoluene	48.6	10	µg/L	50.0		97.1	40-140	3.04	20	
2,6-Dinitrotoluene	46.5	10	µg/L	50.0		92.9	40-140	4.38	20	
Di-n-octylphthalate	36.7	10	µg/L	50.0		73.3	40-140	1.62	20	
Fluoranthene	43.2	5.0	µg/L	50.0		86.4	40-140	3.82	20	
Fluorene	41.3	5.0	µg/L	50.0		82.6	40-140	5.51	20	
Hexachlorobenzene	38.8	10	µg/L	50.0		77.5	40-140	4.98	20	
Hexachlorobutadiene	35.8	10	µg/L	50.0		71.5	40-140	6.68	20	
Hexachlorocyclopentadiene	34.4	10	µg/L	50.0		68.9	30-140	4.96	50	
Hexachloroethane	32.9	10	µg/L	50.0		65.8	40-140	9.80	50	
Indeno(1,2,3-cd)pyrene	43.4	5.0	µg/L	50.0		86.9	40-140	3.48	50	
Isophorone	39.2	10	µg/L	50.0		78.4	40-140	6.08	20	
2-Methylnaphthalene	41.0	5.0	µg/L	50.0		82.1	40-140	7.37	20	
2-Methylphenol	28.7	10	µg/L	50.0		57.4	30-130	13.7	20	
3/4-Methylphenol	30.8	10	µg/L	50.0		61.5	30-130	12.3	20	
Naphthalene	36.9	5.0	µg/L	50.0		73.8	40-140	9.53	20	
2-Nitroaniline	40.8	10	µg/L	50.0		81.6	40-140	7.84	20	
3-Nitroaniline	43.5	10	µg/L	50.0		87.0	40-140	2.48	20	†
4-Nitroaniline	51.6	10	µg/L	50.0		103	40-140	4.57	20	
Nitrobenzene	36.2	10	µg/L	50.0		72.4	40-140	11.9	20	
2-Nitrophenol	42.0	10	µg/L	50.0		84.0	30-130	7.80	20	
4-Nitrophenol	24.4	10	µg/L	50.0		48.8	10-130	7.11	50	‡
N-Nitrosodiphenylamine/Diphenylamine	38.2	10	µg/L	50.0		76.3	40-140	5.73	20	
N-Nitrosodi-n-propylamine	36.4	10	µg/L	50.0		72.7	40-140	9.98	20	
Pentachloronitrobenzene	41.8	10	µg/L	50.0		83.6	40-140	3.67	20	
Pentachlorophenol	40.5	10	µg/L	50.0		81.0	30-130	4.37	50	
Phenanthrene	39.8	5.0	µg/L	50.0		79.6	40-140	5.83	20	
Phenol	16.4	10	µg/L	50.0		32.9	20-130	15.3	20	
Pyrene	38.1	5.0	µg/L	50.0		76.2	40-140	2.95	20	
Pyridine	15.8	5.0	µg/L	50.0		31.6	10-140	13.1	50	†
1,2,4,5-Tetrachlorobenzene	36.2	10	µg/L	50.0		72.3	40-140	7.99	20	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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 B234539 - SW-846 3510C											
LCS Dup (B234539-BSD1)				Prepared: 07/01/19 Analyzed: 07/03/19							
1,2,4-Trichlorobenzene	35.9	5.0	µg/L	50.0		71.7	40-140	9.10	20		
2,4,5-Trichlorophenol	40.3	10	µg/L	50.0		80.6	30-130	5.10	20		
2,4,6-Trichlorophenol	40.2	10	µg/L	50.0		80.4	30-130	7.28	50		
Surrogate: 2-Fluorophenol	*90.4*		µg/L	200		45.2	15-110				
Surrogate: Phenol-d6	*65.9*		µg/L	200		33.0	15-110				
Surrogate: Nitrobenzene-d5	*80.1*		µg/L	100		80.1	30-130				
Surrogate: 2-Fluorobiphenyl	*82.0*		µg/L	100		82.0	30-130				
Surrogate: 2,4,6-Tribromophenol	*194*		µg/L	200		96.9	15-110				
Surrogate: p-Terphenyl-d14	*84.5*		µg/L	100		84.5	30-130				
LCS Dup (B234539-BSD2)				Prepared: 07/01/19 Analyzed: 07/03/19							
Acenaphthene	39.1	5.0	µg/L	50.0		78.1	40-140	6.94	20		
Acenaphthylene	38.7	5.0	µg/L	50.0		77.3	40-140	6.72	20		
Aniline	34.5	5.0	µg/L	50.0		68.9	40-140	7.16	50		† ‡
Anthracene	40.1	5.0	µg/L	50.0		80.2	40-140	4.61	20		
Benzo(a)anthracene	39.0	5.0	µg/L	50.0		78.1	40-140	3.15	20		
Benzo(a)pyrene	41.5	5.0	µg/L	50.0		82.9	40-140	4.46	20		
Benzo(b)fluoranthene	39.2	5.0	µg/L	50.0		78.4	40-140	2.57	20		
Benzo(g,h,i)perylene	40.9	5.0	µg/L	50.0		81.8	40-140	2.85	20		
Benzo(k)fluoranthene	40.2	5.0	µg/L	50.0		80.5	40-140	3.78	20		
Bis(2-chloroethoxy)methane	40.1	10	µg/L	50.0		80.2	40-140	6.96	20		
Bis(2-chloroethyl)ether	34.5	10	µg/L	50.0		69.1	40-140	12.5	20		
Bis(2-chloroisopropyl)ether	35.5	10	µg/L	50.0		71.0	40-140	11.9	20		
Bis(2-Ethylhexyl)phthalate	36.6	10	µg/L	50.0		73.1	40-140	2.11	20		
4-Bromophenylphenylether	37.6	10	µg/L	50.0		75.1	40-140	5.11	20		
Butylbenzylphthalate	36.9	10	µg/L	50.0		73.8	40-140	2.94	20		
Carbazole	40.8	10	µg/L	50.0		81.5	40-140	4.93	20		
4-Chloroaniline	35.5	10	µg/L	50.0		71.0	40-140	0.0563	20	V-34	†
4-Chloro-3-methylphenol	39.6	10	µg/L	50.0		79.3	30-130	6.47	20		
2-Chloronaphthalene	33.6	10	µg/L	50.0		67.2	40-140	13.3	20		
2-Chlorophenol	34.4	10	µg/L	50.0		68.8	30-130	12.6	20		
4-Chlorophenylphenylether	40.6	10	µg/L	50.0		81.3	40-140	3.39	20		
Chrysene	38.9	5.0	µg/L	50.0		77.7	40-140	4.16	20		
Dibenz(a,h)anthracene	40.7	5.0	µg/L	50.0		81.5	40-140	2.74	20		
Dibenzofuran	40.3	5.0	µg/L	50.0		80.5	40-140	6.12	20		
Di-n-butylphthalate	37.5	10	µg/L	50.0		75.0	40-140	2.47	20		
3,3-Dichlorobenzidine	42.5	10	µg/L	50.0		85.1	40-140	0.399	20	V-34	† ‡
2,4-Dichlorophenol	38.9	10	µg/L	50.0		77.9	30-130	8.34	20		
Diethylphthalate	40.3	10	µg/L	50.0		80.6	40-140	2.77	20		
2,4-Dimethylphenol	33.8	10	µg/L	50.0		67.7	30-130	11.2	20		
Dimethylphthalate	39.6	10	µg/L	50.0		79.1	40-140	3.75	50		
4,6-Dinitro-2-methylphenol	47.0	10	µg/L	50.0		93.9	30-130	2.56	50		
2,4-Dinitrophenol	54.7	10	µg/L	50.0		109	30-130	3.54	50	V-34	
2,4-Dinitrotoluene	48.6	10	µg/L	50.0		97.1	40-140	3.04	20		
2,6-Dinitrotoluene	46.5	10	µg/L	50.0		92.9	40-140	4.38	20		
Di-n-octylphthalate	36.7	10	µg/L	50.0		73.3	40-140	1.62	20		
Fluoranthene	43.2	5.0	µg/L	50.0		86.4	40-140	3.82	20		
Fluorene	41.3	5.0	µg/L	50.0		82.6	40-140	5.51	20		
Hexachlorobenzene	38.8	10	µg/L	50.0		77.5	40-140	4.98	20		
Hexachlorobutadiene	35.8	10	µg/L	50.0		71.5	40-140	6.68	20		
Hexachlorocyclopentadiene	34.4	10	µg/L	50.0		68.9	30-140	4.96	50		
Hexachloroethane	32.9	10	µg/L	50.0		65.8	40-140	9.80	50		

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

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 B234539 - SW-846 3510C											
LCS Dup (B234539-BSD2)				Prepared: 07/01/19 Analyzed: 07/03/19							
Indeno(1,2,3-cd)pyrene	43.4	5.0	µg/L	50.0		86.9	40-140	3.48	50		
Isophorone	39.2	10	µg/L	50.0		78.4	40-140	6.08	20		
2-Methylnaphthalene	41.0	5.0	µg/L	50.0		82.1	40-140	7.37	20		
2-Methylphenol	28.7	10	µg/L	50.0		57.4	30-130	13.7	20		
3/4-Methylphenol	30.8	10	µg/L	50.0		61.5	30-130	12.3	20		
Naphthalene	36.9	5.0	µg/L	50.0		73.8	40-140	9.53	20		
2-Nitroaniline	40.8	10	µg/L	50.0		81.6	40-140	7.84	20		
3-Nitroaniline	43.5	10	µg/L	50.0		87.0	40-140	2.48	20	V-34	†
4-Nitroaniline	51.6	10	µg/L	50.0		103	40-140	4.57	20		
Nitrobenzene	36.2	10	µg/L	50.0		72.4	40-140	11.9	20		
2-Nitrophenol	42.0	10	µg/L	50.0		84.0	30-130	7.80	20		
4-Nitrophenol	24.4	10	µg/L	50.0		48.8	10-130	7.11	50	V-34	‡
N-Nitrosodiphenylamine/Diphenylamine	38.2	10	µg/L	50.0		76.3	40-140	5.73	20		
N-Nitrosodi-n-propylamine	36.4	10	µg/L	50.0		72.7	40-140	9.98	20		
Pentachloronitrobenzene	41.8	10	µg/L	50.0		83.6	40-140	3.67	20	V-16	
Pentachlorophenol	40.5	10	µg/L	50.0		81.0	30-130	4.37	50		
Phenanthrene	39.8	5.0	µg/L	50.0		79.6	40-140	5.83	20		
Phenol	16.4	10	µg/L	50.0		32.9	20-130	15.3	20		
Pyrene	38.1	5.0	µg/L	50.0		76.2	40-140	2.95	20		
Pyridine	15.8	5.0	µg/L	50.0		31.6	10-140	13.1	50	V-34	†
1,2,4,5-Tetrachlorobenzene	36.2	10	µg/L	50.0		72.3	40-140	7.99	20		
1,2,4-Trichlorobenzene	35.9	5.0	µg/L	50.0		71.7	40-140	9.10	20		
2,4,5-Trichlorophenol	40.3	10	µg/L	50.0		80.6	30-130	5.10	20		
2,4,6-Trichlorophenol	40.2	10	µg/L	50.0		80.4	30-130	7.28	50		
Surrogate: 2-Fluorophenol	*90.4*		µg/L	200		45.2	15-110				
Surrogate: Phenol-d6	*65.9*		µg/L	200		33.0	15-110				
Surrogate: Nitrobenzene-d5	*80.1*		µg/L	100		80.1	30-130				
Surrogate: 2-Fluorobiphenyl	*82.0*		µg/L	100		82.0	30-130				
Surrogate: 2,4,6-Tribromophenol	*194*		µg/L	200		96.9	15-110				
Surrogate: p-Terphenyl-d14	*84.5*		µg/L	100		84.5	30-130				
Batch B234644 - SW-846 3510C											
Blank (B234644-BLK1)				Prepared: 07/01/19 Analyzed: 07/02/19							
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	*64.9*		µg/L	100		64.9	30-130				

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

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 B234644 - SW-846 3510C										
Blank (B234644-BLK1)				Prepared: 07/01/19 Analyzed: 07/02/19						
Surrogate: Nitrobenzene-d5 (SIM)	*61.3*		µg/L	100		61.3	30-130			
Surrogate: 2-Fluorobiphenyl	*45.3*		µg/L	100		45.3	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*39.4*		µg/L	100		39.4	30-130			
Surrogate: p-Terphenyl-d14	*55.3*		µg/L	100		55.3	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*45.4*		µg/L	100		45.4	30-130			
LCS (B234644-BS1)				Prepared: 07/01/19 Analyzed: 07/02/19						
Acenaphthene (SIM)	41.4	6.0	µg/L	50.0		82.8	40-140			
Acenaphthylene (SIM)	44.2	4.0	µg/L	50.0		88.4	40-140			
Anthracene (SIM)	46.1	4.0	µg/L	50.0		92.3	40-140			
Benzo(a)anthracene (SIM)	42.6	1.0	µg/L	50.0		85.2	40-140			
Benzo(a)pyrene (SIM)	49.0	2.0	µg/L	50.0		98.0	40-140			
Benzo(b)fluoranthene (SIM)	47.9	1.0	µg/L	50.0		95.8	40-140			
Benzo(g,h,i)perylene (SIM)	42.5	10	µg/L	50.0		84.9	40-140			
Benzo(k)fluoranthene (SIM)	47.1	4.0	µg/L	50.0		94.3	40-140			
Chrysene (SIM)	41.8	4.0	µg/L	50.0		83.6	40-140			
Dibenz(a,h)anthracene (SIM)	51.1	2.0	µg/L	50.0		102	40-140			
Fluoranthene (SIM)	42.4	10	µg/L	50.0		84.8	40-140			
Fluorene (SIM)	42.9	20	µg/L	50.0		85.7	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	53.7	2.0	µg/L	50.0		107	40-140			
2-Methylnaphthalene (SIM)	40.8	20	µg/L	50.0		81.6	40-140			
Naphthalene (SIM)	37.8	20	µg/L	50.0		75.6	40-140			
Phenanthrene (SIM)	41.7	1.0	µg/L	50.0		83.4	40-140			
Pyrene (SIM)	40.7	20	µg/L	50.0		81.4	40-140			
Surrogate: Nitrobenzene-d5	*84.2*		µg/L	100		84.2	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*85.9*		µg/L	100		85.9	30-130			
Surrogate: 2-Fluorobiphenyl	*63.5*		µg/L	100		63.5	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*66.3*		µg/L	100		66.3	30-130			
Surrogate: p-Terphenyl-d14	*61.1*		µg/L	100		61.1	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*70.9*		µg/L	100		70.9	30-130			
LCS Dup (B234644-BSD1)				Prepared: 07/01/19 Analyzed: 07/02/19						
Acenaphthene (SIM)	35.9	6.0	µg/L	50.0		71.7	40-140	14.3	20	
Acenaphthylene (SIM)	38.1	4.0	µg/L	50.0		76.2	40-140	14.8	20	
Anthracene (SIM)	40.4	4.0	µg/L	50.0		80.9	40-140	13.2	20	
Benzo(a)anthracene (SIM)	37.3	1.0	µg/L	50.0		74.6	40-140	13.2	20	
Benzo(a)pyrene (SIM)	42.6	2.0	µg/L	50.0		85.2	40-140	14.0	20	
Benzo(b)fluoranthene (SIM)	41.7	1.0	µg/L	50.0		83.3	40-140	14.0	20	
Benzo(g,h,i)perylene (SIM)	37.2	10	µg/L	50.0		74.4	40-140	13.2	20	
Benzo(k)fluoranthene (SIM)	41.5	4.0	µg/L	50.0		83.1	40-140	12.6	20	
Chrysene (SIM)	36.8	4.0	µg/L	50.0		73.6	40-140	12.7	20	
Dibenz(a,h)anthracene (SIM)	44.5	2.0	µg/L	50.0		89.1	40-140	13.7	20	
Fluoranthene (SIM)	37.0	10	µg/L	50.0		74.0	40-140	13.7	20	
Fluorene (SIM)	37.3	20	µg/L	50.0		74.5	40-140	14.0	20	
Indeno(1,2,3-cd)pyrene (SIM)	46.6	2.0	µg/L	50.0		93.2	40-140	14.2	20	‡
2-Methylnaphthalene (SIM)	34.9	20	µg/L	50.0		69.8	40-140	15.6	20	
Naphthalene (SIM)	32.2	20	µg/L	50.0		64.4	40-140	16.0	20	
Phenanthrene (SIM)	36.6	1.0	µg/L	50.0		73.2	40-140	13.1	20	
Pyrene (SIM)	35.6	20	µg/L	50.0		71.2	40-140	13.4	20	
Surrogate: Nitrobenzene-d5	*72.3*		µg/L	100		72.3	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*73.8*		µg/L	100		73.8	30-130			
Surrogate: 2-Fluorobiphenyl	*54.7*		µg/L	100		54.7	30-130			

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

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 B234644 - SW-846 3510C										
LCS Dup (B234644-BSD1)				Prepared: 07/01/19 Analyzed: 07/02/19						
Surrogate: 2-Fluorobiphenyl (SIM)	*58.0*		µg/L	100		58.0	30-130			
Surrogate: p-Terphenyl-d14	*53.8*		µg/L	100		53.8	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*63.4*		µg/L	100		63.4	30-130			
Batch B234647 - SW-846 3510C										
Blank (B234647-BLK1)				Prepared: 06/28/19 Analyzed: 07/02/19						
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	*79.3*		µg/L	100		79.3	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*72.7*		µg/L	100		72.7	30-130			
Surrogate: 2-Fluorobiphenyl	*54.9*		µg/L	100		54.9	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*47.7*		µg/L	100		47.7	30-130			
Surrogate: p-Terphenyl-d14	*73.2*		µg/L	100		73.2	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*56.9*		µg/L	100		56.9	30-130			
LCS (B234647-BS1)				Prepared: 06/28/19 Analyzed: 07/02/19						
Acenaphthene (SIM)	32.3	6.0	µg/L	50.0		64.6	40-140			
Acenaphthylene (SIM)	34.2	4.0	µg/L	50.0		68.4	40-140			
Anthracene (SIM)	37.1	4.0	µg/L	50.0		74.2	40-140			
Benzo(a)anthracene (SIM)	34.1	1.0	µg/L	50.0		68.2	40-140			
Benzo(a)pyrene (SIM)	38.7	2.0	µg/L	50.0		77.4	40-140			
Benzo(b)fluoranthene (SIM)	38.2	1.0	µg/L	50.0		76.3	40-140			
Benzo(g,h,i)perylene (SIM)	32.6	10	µg/L	50.0		65.1	40-140			
Benzo(k)fluoranthene (SIM)	38.5	4.0	µg/L	50.0		76.9	40-140			
Chrysene (SIM)	34.1	4.0	µg/L	50.0		68.3	40-140			
Dibenz(a,h)anthracene (SIM)	40.4	2.0	µg/L	50.0		80.9	40-140			
Fluoranthene (SIM)	33.9	10	µg/L	50.0		67.8	40-140			
Fluorene (SIM)	33.6	20	µg/L	50.0		67.3	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	41.8	2.0	µg/L	50.0		83.6	40-140			
2-Methylnaphthalene (SIM)	30.6	20	µg/L	50.0		61.3	40-140			
Naphthalene (SIM)	27.8	20	µg/L	50.0		55.6	40-140			
Phenanthrene (SIM)	33.8	1.0	µg/L	50.0		67.6	40-140			
Pyrene (SIM)	32.6	20	µg/L	50.0		65.2	40-140			
Surrogate: Nitrobenzene-d5	*61.4*		µg/L	100		61.4	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*61.7*		µg/L	100		61.7	30-130			
Surrogate: 2-Fluorobiphenyl	*48.9*		µg/L	100		48.9	30-130			

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

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 B234647 - SW-846 3510C										
LCS (B234647-BS1)				Prepared: 06/28/19 Analyzed: 07/02/19						
Surrogate: 2-Fluorobiphenyl (SIM)	*51.6*		µg/L	100		51.6	30-130			
Surrogate: p-Terphenyl-d14	*48.8*		µg/L	100		48.8	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*57.9*		µg/L	100		57.9	30-130			
LCS Dup (B234647-BSD1)				Prepared: 06/28/19 Analyzed: 07/02/19						
Acenaphthene (SIM)	33.1	6.0	µg/L	50.0		66.2	40-140	2.51	20	
Acenaphthylene (SIM)	35.0	4.0	µg/L	50.0		70.1	40-140	2.37	20	
Anthracene (SIM)	37.8	4.0	µg/L	50.0		75.6	40-140	1.87	20	
Benzo(a)anthracene (SIM)	34.8	1.0	µg/L	50.0		69.6	40-140	1.97	20	
Benzo(a)pyrene (SIM)	39.7	2.0	µg/L	50.0		79.4	40-140	2.45	20	
Benzo(b)fluoranthene (SIM)	39.2	1.0	µg/L	50.0		78.5	40-140	2.79	20	
Benzo(g,h,i)perylene (SIM)	33.3	10	µg/L	50.0		66.5	40-140	2.13	20	
Benzo(k)fluoranthene (SIM)	39.9	4.0	µg/L	50.0		79.8	40-140	3.68	20	
Chrysene (SIM)	34.6	4.0	µg/L	50.0		69.3	40-140	1.45	20	
Dibenz(a,h)anthracene (SIM)	40.7	2.0	µg/L	50.0		81.5	40-140	0.739	20	
Fluoranthene (SIM)	34.6	10	µg/L	50.0		69.1	40-140	1.93	20	
Fluorene (SIM)	34.5	20	µg/L	50.0		69.1	40-140	2.64	20	
Indeno(1,2,3-cd)pyrene (SIM)	43.3	2.0	µg/L	50.0		86.6	40-140	3.48	20	‡
2-Methylnaphthalene (SIM)	32.0	20	µg/L	50.0		64.0	40-140	4.34	20	
Naphthalene (SIM)	29.5	20	µg/L	50.0		59.0	40-140	6.07	20	
Phenanthrene (SIM)	34.6	1.0	µg/L	50.0		69.1	40-140	2.22	20	
Pyrene (SIM)	33.3	20	µg/L	50.0		66.7	40-140	2.18	20	
Surrogate: Nitrobenzene-d5	*66.7*		µg/L	100		66.7	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*65.8*		µg/L	100		65.8	30-130			
Surrogate: 2-Fluorobiphenyl	*50.0*		µg/L	100		50.0	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*53.0*		µg/L	100		53.0	30-130			
Surrogate: p-Terphenyl-d14	*50.1*		µg/L	100		50.1	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*59.1*		µg/L	100		59.1	30-130			

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

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 B234427 - SW-846 3510C										
Blank (B234427-BLK1)				Prepared: 06/28/19 Analyzed: 07/01/19						
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	*1.67*		µg/L	2.00		83.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.88*		µg/L	2.00		93.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.48*		µg/L	2.00		74.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.63*		µg/L	2.00		81.3	30-150			
LCS (B234427-BS1)				Prepared: 06/28/19 Analyzed: 07/01/19						
Aroclor-1016	0.44	0.20	µg/L	0.500		87.3	40-140			
Aroclor-1016 [2C]	0.45	0.20	µg/L	0.500		90.1	40-140			
Aroclor-1260	0.41	0.20	µg/L	0.500		81.2	40-140			
Aroclor-1260 [2C]	0.45	0.20	µg/L	0.500		89.3	40-140			
Surrogate: Decachlorobiphenyl	*1.68*		µg/L	2.00		83.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.87*		µg/L	2.00		93.5	30-150			
Surrogate: Tetrachloro-m-xylene	*1.52*		µg/L	2.00		75.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.65*		µg/L	2.00		82.6	30-150			
LCS Dup (B234427-BSD1)				Prepared: 06/28/19 Analyzed: 07/01/19						
Aroclor-1016	0.46	0.20	µg/L	0.500		92.1	40-140	5.37	20	
Aroclor-1016 [2C]	0.49	0.20	µg/L	0.500		97.1	40-140	7.55	20	
Aroclor-1260	0.43	0.20	µg/L	0.500		86.6	40-140	6.48	20	
Aroclor-1260 [2C]	0.48	0.20	µg/L	0.500		95.3	40-140	6.56	20	
Surrogate: Decachlorobiphenyl	*1.81*		µg/L	2.00		90.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.01*		µg/L	2.00		100	30-150			
Surrogate: Tetrachloro-m-xylene	*1.62*		µg/L	2.00		81.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.77*		µg/L	2.00		88.3	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B234690 - SW-846 3510C										
Blank (B234690-BLK1)				Prepared: 07/02/19 Analyzed: 07/05/19						
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	*1.92*		µg/L	2.00		95.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.07*		µg/L	2.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	*1.94*		µg/L	2.00		96.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.02*		µg/L	2.00		101	30-150			
LCS (B234690-BS1)				Prepared: 07/02/19 Analyzed: 07/05/19						
Aroclor-1016	0.51	0.20	µg/L	0.500		103	40-140			
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500		101	40-140			
Aroclor-1260	0.49	0.20	µg/L	0.500		97.1	40-140			
Aroclor-1260 [2C]	0.50	0.20	µg/L	0.500		100	40-140			
Surrogate: Decachlorobiphenyl	*1.90*		µg/L	2.00		95.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.06*		µg/L	2.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	*1.91*		µg/L	2.00		95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.00*		µg/L	2.00		99.9	30-150			
LCS Dup (B234690-BSD1)				Prepared: 07/02/19 Analyzed: 07/05/19						
Aroclor-1016	0.52	0.20	µg/L	0.500		105	40-140	1.51	20	
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500		101	40-140	0.0632	20	
Aroclor-1260	0.48	0.20	µg/L	0.500		96.3	40-140	0.809	20	
Aroclor-1260 [2C]	0.49	0.20	µg/L	0.500		98.9	40-140	1.54	20	
Surrogate: Decachlorobiphenyl	*1.91*		µg/L	2.00		95.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.06*		µg/L	2.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	*2.01*		µg/L	2.00		100	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.10*		µg/L	2.00		105	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 B234393 - SW-846 3510C										
Blank (B234393-BLK1)				Prepared: 06/28/19 Analyzed: 06/30/19						
CT ETPH	ND	0.15	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0642*		mg/L	0.100		64.2	50-150			
LCS (B234393-BS1)				Prepared: 06/28/19 Analyzed: 06/30/19						
CT ETPH	0.623	0.15	mg/L	1.00		62.3	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0731*		mg/L	0.100		73.1	50-150			
LCS Dup (B234393-BSD1)				Prepared: 06/28/19 Analyzed: 06/30/19						
CT ETPH	0.618	0.15	mg/L	1.00		61.8	60-120	0.785	30	
Surrogate: 2-Fluorobiphenyl	*0.0716*		mg/L	0.100		71.6	50-150			
Batch B234552 - SW-846 3510C										
Blank (B234552-BLK1)				Prepared: 07/01/19 Analyzed: 07/02/19						
CT ETPH	ND	0.15	mg/L							
Surrogate: 2-Fluorobiphenyl	*88.9*		µg/mL	100		88.9	50-150			
LCS (B234552-BS1)				Prepared: 07/01/19 Analyzed: 07/02/19						
CT ETPH	0.717	0.15	mg/L	1.00		71.7	60-120			
Surrogate: 2-Fluorobiphenyl	*87.5*		µg/mL	100		87.5	50-150			
LCS Dup (B234552-BSD1)				Prepared: 07/01/19 Analyzed: 07/02/19						
CT ETPH	0.796	0.15	mg/L	1.00		79.6	60-120	10.4	30	
Surrogate: 2-Fluorobiphenyl	*90.2*		µg/mL	100		90.2	50-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B234427-BS1 Date(s) Analyzed: 07/01/2019 07/01/2019

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

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	0.44	
	2	0.000	0.000	0.000	0.45	2.3
Aroclor-1260	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.45	9.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B234427-BSD1 Date(s) Analyzed: 07/01/2019 07/01/2019

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

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	0.46	
	2	0.000	0.000	0.000	0.49	6.3
Aroclor-1260	1	0.000	0.000	0.000	0.43	
	2	0.000	0.000	0.000	0.48	11.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B234690-BS1 Date(s) Analyzed: 07/05/2019 07/05/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.51	
	2	0.000	0.000	0.000	0.51	1.9
Aroclor-1260	1	0.000	0.000	0.000	0.49	
	2	0.000	0.000	0.000	0.50	2.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B234690-BSD1 Date(s) Analyzed: 07/05/2019 07/05/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-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	0.48	
	2	0.000	0.000	0.000	0.49	2.1

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
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 8260C 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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
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
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
SW-846 8270D in Soil	
Aniline	NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenol	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
SW-846 8270D in Water	
Aniline	CT,NY
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
Phenol	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2020
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2020
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2020
FL	Florida Department of Health	E871027 NELAP	06/30/2020
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2020
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2020
NC-DW	North Carolina Department of Health	25703	07/31/2019
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2020

MEK 19F1471

con-test ANALYTICAL LABORATORY

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Email: info@contestlabs.com

http://www.contestlabs.com Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name: Weston & Sampson
Address: 273 Rivereid Rd
Phone:
Project Name: Simsbury AWC
Project Location: Simsbury
Project Number:
Project Manager: Jeff Willson
Con-Test Quote Name/Number:
Invoice Recipient: Jeff Willson
Sampled By: AMB/AK

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Due Date:

Rush Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [X] EXCEL [X]
Other:
CLP Like Data Pkg Required: [ ]
Email To:
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	SVOCs	STPH	VOCs	PCBs	# of Containers	[2] Preservation Code	[3] Container Code
								2	2	3	1			
								I	I	H	I			
								A	A	V	A			
1	CCA-4	6/26/19	945		X	GW	L	X	X					
2	CCA-3		1030		X			X	X					
3	MW-16		1130		X			X	X					
4	MW-201		1230		X				X					
5	MW-203		1019		X						X			
6	MW-4R		1350		X			X	X	X				
7	MW-6		1146		X			X	X	X				
8	DUP-1		—		X			X	X	X				
9	DUP-2		—		X						X			
10	TRIP Blank-1		—		X					X				

Dissolved Metals Samples
[ ] Field Filtered
[ ] Lab to Filter

Orthophosphate Samples
[ ] Field Filtered
[ ] Lab to Filter

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

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

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

Comments:
email to:
barretta@wseinc.com
yellen@wseinc.com
Eversource Price

Analysis for the DUPs should be switched per client - MEK 7/1/19

indicate possible sample concentration
Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Relinquished by: (signature)	Date/Time:	Received by: (signature)	Date/Time:
1		6/27/19		6/27/19 1015
2		6/27/19		6/27/19 1600
3		6/27/19		6/27/19 1600
4				

Detection Limit Requirements
MA
CT PMC
RES DEC
I/C DEC
Other

Special Requirements
[ ] MA MCP Required
MCP Certification Form Required
[X] CT RCP Required
RCP Certification Form Required
[ ] MA State DW Required
PWSID #

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NELAC and AIHA-LAP, LLC Accredited

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

Other
[ ] Chromatogram
[ ] AIHA-LAP,LLC

PCB ONLY
[ ] Soxhlet
[ ] Non Soxhlet

Table of Contents

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

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 WS

Received By SL Date 6/27/19 Time 1600

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 # 1 Actual Temp - 4.9, 5.4, 5.1
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name 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? not F MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? T On COC? T
Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	26	1 Liter Plastic		16 oz Amb.	
HCL-	11	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	4	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	4	Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

C:\MSDCHEM\4\DATA\D070219.SEC\D0702007.D

CT ETPH DISCRIMINATION CHECK

Data File Name D0702007.D
Data File Path C:\MSDCHEM\4\DATA\D070219.SEC\
Operator RMW
Date Acquired 7/2/2019 13:09
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.59	8953410	9802824	9
C-10	2.24	9122580	9802824	7
C-12	3.19	9336952	9802824	5
C-14	3.90	9623064	9802824	2
C-16	4.51	9765852	9802824	0
C-18	5.06	9627291	9802824	2
C-20	5.66	9939598	9802824	-1
C-22	6.39	10221927	9802824	-4
C-24	7.22	9424095	9802824	4
C-26	8.03	10421633	9802824	-6
C-28	8.78	10360255	9802824	-6
C-30	9.46	10352298	9802824	-6
C-32	10.10	10217006	9802824	-4
C-34	10.69	9850513	9802824	0
C-36	11.27	9825884	9802824	0

Samples

19F1471-02
19F1471-03
19F1471-04
19F1471-09
19F1471-01
19F1471-06
19F1471-07

*One compound allowed %D</=50%

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 19F1471

Laboratory Sample ID(s):
19F1471-01 thru 19F1471-10

Sample Date(s):
06/26/2019

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

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:** 07/09/19

Name of Laboratory: Con-Test Analytical Laboratory

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