

1606743  
1/10/2017

Kristin Doundoulakis  
Project Management Specialist  
Town of Groton  
Department of Public Works  
134 Groton Long Point Road  
Groton, CT 06340

Re: **Former Groton Heights School – UST Removal**  
**244 Monument Street**  
**Groton, Connecticut**

Dear Ms. Doundoulakis:

In accordance with our proposal dated April 12<sup>th</sup>, 2016, Tighe & Bond, Inc. (Tighe & Bond) has completed field observation and soil sampling activities associated with the removal of a 3,000-gallon heating oil underground storage tank (UST) at the Former Groton Heights School in Groton, Connecticut. Refer to Figure 1 (Appendix A) for a topographic map showing the site location.

### **UST Removal Activities**

The 3,000-gallon No. 2 heating oil UST was located along the exterior of the eastern side of the school building, as depicted on Figure 2. ETT Environmental Services Inc. and their subcontractor B&M Excavating of Portland, CT were retained by the Town of Groton to conduct the UST removal which was completed on November 30, 2016. Oil was removed from the tank by the Town prior to the start of removal activities.

Tighe & Bond field personnel were present at the site to observe and document removal of the UST. Select photographs of the UST removal are attached as Appendix B. The UST was inspected upon removal and was observed to be in good condition, with only minimal signs of stained piping beneath the fill port. No holes, cracks, or other signs of damage or release of oil from the tank or piping were observed. Soils excavated from above and around the tank and those remaining in the UST excavation were assessed visually for signs of staining, olfactory for heating oil odors, and for vapor phase volatile organic compounds (VOCs) using a photoionization detector (PID). Signs of staining, odors or elevated PID readings were not observed other than the minimal staining observed on piping beneath the fill port. Groundwater was not encountered during UST removal activities.

UST vent piping was routed to the exterior of the building, underground beneath an electrical conduit that also connects to the building. Since it was not practical to excavate beneath the electrical conduit, the vent piping was left in place. Copper fuel supply and return lines were observed to be cased inside PVC piping. These lines were drained and removed from the ground. Oil drained from these lines was containerized and removed from the site by B&M.

After the tank was removed from the ground it was cleaned of all mobile residual oil and sludge by B&M and Federal Oil Services Inc. The excavation was then backfilled using clean stone removed from the tank grave and crushed stone obtained from a virgin source. The excavation area was paved on December 1, 2016.

### **Confirmation Soil Sampling**

Following removal of the UST, Tighe & Bond personnel collected confirmation soil samples from the UST grave in accordance with Connecticut Department of Energy and Environmental Protection (CTDEEP) program fact sheet titled "*Sampling and Analytical Methods for Underground Storage Tank Closure.*"



Six soil samples were collected from the tank grave including one from the north (USTS-2), south (USTS-3), and west (USTS-1) sidewalls, two from the east sidewall (USTS-4 and 5), and one from the bottom of the excavation (USTB-1). Additionally, a field duplicate (DUP-1) was collected from USTB-1 for quality control and quality assurance purposes. Sidewall samples were collected from approximately one foot above the bottom of the tank excavation at a depth of eleven to twelve feet below grade. The bottom sample and duplicate were collected from the bottom of the excavation at a depth of twelve to thirteen feet. Samples were submitted to Complete Environmental Testing (CET) Laboratory in Stratford, CT, a Connecticut-certified laboratory for analysis of extractable total petroleum hydrocarbons (ETPH), VOCs, and poly-aromatic hydrocarbons (PAHs).

Soil samples were collected in laboratory-supplied containers with appropriate preservatives and were placed into designated coolers and chilled to 1.1° Celsius. Tighe & Bond transferred the samples under proper chain-of-custody protocols to the laboratory courier for transit to the laboratory. All transfers in possession of the samples are fully documented on the Chain-of-Custody form.

### **Analytical Results**

ETPH and three PAH compounds (Benzo[b]fluoranthene, Fluoranthene, and Pyrene) were detected at concentrations below applicable CTDEEP Remediation Standard Regulations (RSR) criteria in the confirmatory soil sample collected from the west side of the tank grave (USTS-1). ETPH and PAHs were not reported above laboratory detection limits in the remaining samples. VOCs were not reported above laboratory detection limits in any of the six confirmation samples.

ETPH, PAHs and VOCs were not reported above laboratory detection limits in the duplicate sample, which is consistent with the results reported for the original sample, USTB-1. Laboratory detection limits were below applicable RSR criteria.

Analytical results from the confirmation soil samples are summarized in Table 1 (Appendix C) and laboratory analytical reports are provided in Appendix D.

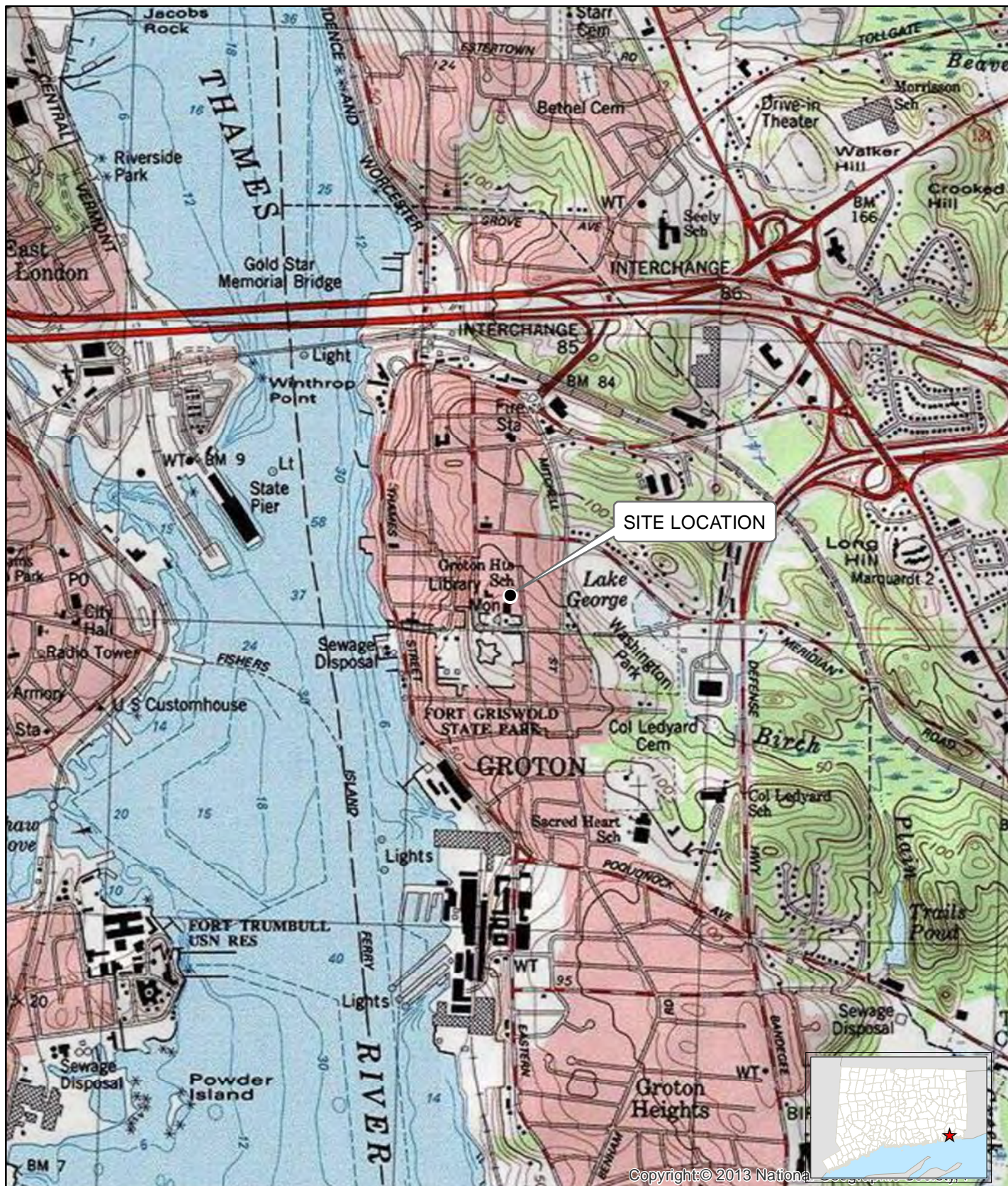
### **Conclusions**

Tighe and Bond personnel observed the cleaning and removal of one 3,000-gallon heating oil UST and backfilling and pavement of the tank grave. Sampling activities conducted during UST removal were consistent with the guidelines set forth by the CTDEEP program fact sheet titled "*Sampling and Analytical Methods for Underground Storage Tank Closure.*" As indicated, vent piping associated with the former UST still exists beneath the underground electrical conduit connected to the building. Soil sampling was not conducted along this piping route; however, it is unlikely that a release would occur from the vent piping since it does not convey oil. Additionally, no signs of a release were observed from the exposed portions of the vent piping. Tighe and Bond recommends that the Town retain a copy of this report to document that the UST was removed in accordance with CTDEEP guidelines. We also recommend that the Town use information provided in this report and the CTDEEP Notification for Underground Storage Tanks form included in Appendix E to update the CTDEEP database for Underground Storage Tank Closure.



**Tighe&Bond**

**APPENDIX A**

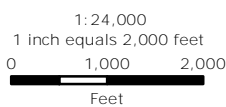


**LEGEND**

- Approximate Site Boundary
- Site Location

**Tighe & Bond**  
 Engineers | Environmental Specialists

Source: U.S Geological Survey, in cooperation with  
 CTDEEP, Office of Information Management  
 Based on USGS Topographic Map for New London, CT,  
 Rev. 1984, 1:24,000  
 Map Date: January 2017

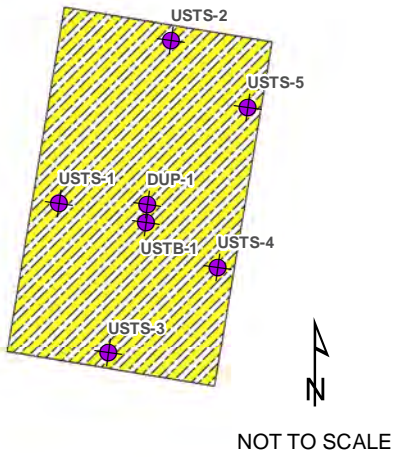


**FIGURE 1**  
**SITE LOCATION MAP**

Groton Heights Elementary School  
 244 Monument Street  
 Groton, CT

January 2017

**Inset**



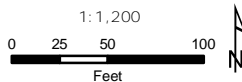
**Underground Storage Tank  
Location. See Inset for Closure  
Sample Locations**

**LEGEND**

- AOC-2 Heating Oil UST Area(s)
- Closure Sample Location
- Approximate Site Boundary
- Approximate Parcel Boundary

**Tighe & Bond**  
Engineers | Environmental Specialists

Source:  
Connecticut DEEP, Office of Information  
Management GIS Data and State of Connecticut 2012 aerial  
imagery with 1-foot ground resolution provided by CTECO



**FIGURE 2  
SITE MAP**

Groton Heights School  
244 Monument Street  
Groton, Connecticut

December 2016

**Tighe&Bond**

**APPENDIX B**

# Appendix B - Photographic Log

**Client:** Town of Groton

**Job Number:** 160674

**Site:** Groton Heights School UST Removal



# Appendix B - Photographic Log

**Client:** Town of Groton

**Job Number:** 160674

**Site:** Groton Heights School UST Removal

<b>Photograph No.:</b> 3	<b>Date:</b> 11/30/2016	<b>Direction Taken:</b> South-East
<b>Description:</b> West Side of Tank		

<b>Photograph No.:</b> 4	<b>Date:</b> 11/30/2016	<b>Direction Taken:</b> South
<b>Description:</b> East Side of Tank		

# Appendix B - Photographic Log

**Client:** Town of Groton

**Job Number:** 160674

**Site:** Groton Heights School UST Removal



# Appendix B - Photographic Log

**Client:** Town of Groton

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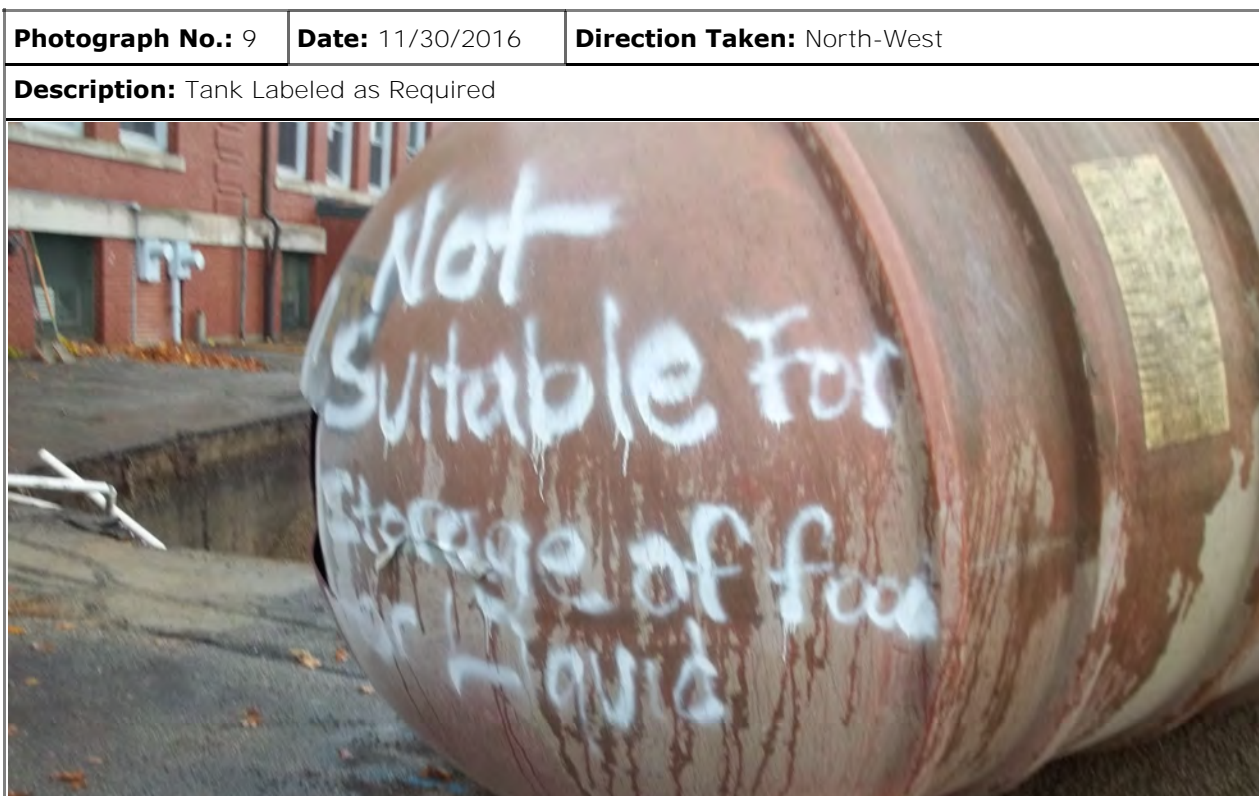


# Appendix B - Photographic Log

**Client:** Town of Groton

**Job Number:** 160674

**Site:** Groton Heights School UST Removal



**Tighe&Bond**

**APPENDIX C**

**Table 1**

Summary of Soil Analytical Data  
 Underground Storage Tank Removal  
 244 Monument Street  
 Groton, CT

Sample ID	CT DEEP RSRs		USTB-1 (12-13')	DUP-1 (USTB-1)	USTS-1 (11-12')	USTS-2 (11-12')	USTS-3 (11-12')	USTS-4 (11-12')	USTS-5 (11-12')
	RES DEC	GB PMC	Soil 6120039-01 11/30/2016	Soil 6120039-07 11/30/2016	Soil 6120039-02 11/30/2016	Soil 6120039-03 11/30/2016	Soil 6120039-04 11/30/2016	Soil 6120039-05 11/30/2016	Soil 6120039-06 11/30/2016
<b>CT ETPH (mg/Kg)</b>	500	2,500	ND<56	ND<56	78	ND<54	ND<56	ND<55	ND<57
<b>VOCs (mg/Kg)</b>	Varies	Varies	BRL	BRL	BRL	BRL	BRL	BRL	BRL
<b>PAHs (mg/Kg)</b>									
Benzo[b]fluoranthene	1	1	ND<0.340	ND<0.330	0.360	ND<0.320	ND<0.340	ND<0.330	ND<0.350
Fluoranthene	1,000	56	ND<0.340	ND<0.330	0.520	ND<0.320	ND<0.340	ND<0.330	ND<0.350
Pyrene	1,000	40	ND<0.340	ND<0.330	0.440	ND<0.320	ND<0.340	ND<0.330	ND<0.350

**Notes:**

Only compounds detected are summarized in this table (compounds that are not listed were not detected)

CTDEEP RSRs - Connecticut Department of Energy & Environmental Protection Remediation Standard Regulations

RES DEC - Residential Direct Exposure Criteria

GB PMC - Pollutant Mobility Criteria for groundwater class GB

ETPH - Extractable Total Petroleum Hydrocarbons

VOCs - Volatile Organic Compounds

PAHs - Polycyclic Aromatic Hydrocarbons

mg/Kg - milligrams per kilogram

ND - Not detected above laboratory limits

BRL - Below laboratory reporting limits

**Tighe&Bond**

**APPENDIX D**



Client: Mr. Harley Langford  
Tighe & Bond  
213 Court St Suite 900  
Middletown, CT 06457

# Analytical Report

## CET# 6120039R

Report Date: December 21, 2016  
Project: Groton School, Groton  
Project Number: 160674

Connecticut Laboratory Certificate: PH 0116  
Massachusetts laboratory Certificate: M-CT903



New York NELAP Accreditation: 11982  
Rhode Island Certification: 199

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

**SAMPLE SUMMARY**

The sample(s) were received at 1.1°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
USTB-1 12-13ft	6120039-01	Soil	11/30/2016 13:20	12/01/2016
USTS-1 11-12ft	6120039-02	Soil	11/30/2016 13:30	12/01/2016
USTS-2 11-12ft	6120039-03	Soil	11/30/2016 13:40	12/01/2016
USTS-3 11-12ft	6120039-04	Soil	11/30/2016 13:50	12/01/2016
USTS-4 11-12ft	6120039-05	Soil	11/30/2016 14:00	12/01/2016
USTS-5 11-12ft	6120039-06	Soil	11/30/2016 14:10	12/01/2016
DUP-1	6120039-07	Soil	11/30/2016 13:21	12/01/2016

**Analyte: Percent Solids [SM 2540 G]**

**Analyst: JM**

**Matrix: Soil**

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
6120039-01	USTB-1 12-13ft	<b>89</b>	1.0	%	1	B6L0222	12/02/2016	12/02/2016 15:35	
6120039-02	USTS-1 11-12ft	<b>90</b>	1.0	%	1	B6L0222	12/02/2016	12/02/2016 15:35	
6120039-03	USTS-2 11-12ft	<b>92</b>	1.0	%	1	B6L0222	12/02/2016	12/02/2016 15:35	
6120039-04	USTS-3 11-12ft	<b>89</b>	1.0	%	1	B6L0222	12/02/2016	12/02/2016 15:35	
6120039-05	USTS-4 11-12ft	<b>92</b>	1.0	%	1	B6L0222	12/02/2016	12/02/2016 15:35	
6120039-06	USTS-5 11-12ft	<b>87</b>	1.0	%	1	B6L0222	12/02/2016	12/02/2016 15:35	
6120039-07	DUP-1	<b>89</b>	1.0	%	1	B6L0222	12/02/2016	12/02/2016 15:35	

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID USTB-1 12-13ft

Lab ID: 6120039-01

## Conn. Extractable TPH

Analyst: MH

## Method: CT-ETPH

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	ND	56	1	EPA 3550C	B6L0304	12/03/2016	12/03/2016 22:24	
<i>Surrogate: Octacosane</i>	<i>92.8 %</i>	<i>50 - 150</i>			B6L0304	12/03/2016	<i>12/03/2016 22:24</i>	

## Semivolatile Organics

Analyst: ALM

## Method: EPA 8270D

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:07	
2-Methyl Naphthalene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:07	
Acenaphthylene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:07	
Acenaphthene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:07	
Fluorene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:07	
Phenanthrene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:07	
Anthracene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:07	
Fluoranthene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:07	
Pyrene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:07	
Benzo[a]anthracene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:07	
Chrysene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:07	
Benzo[b]fluoranthene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:07	
Benzo[k]fluoranthene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:07	
Benzo[a]pyrene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:07	
Indeno[1,2,3-cd]pyrene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:07	
Dibenz[a,h]anthracene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:07	
Benzo[g,h,i]perylene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:07	
<i>Surrogate: Nitrobenzene-d5</i>	<i>43.4 %</i>	<i>30 - 130</i>			B6L0227	12/02/2016	<i>12/06/2016 13:07</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>54.1 %</i>	<i>30 - 130</i>			B6L0227	12/02/2016	<i>12/06/2016 13:07</i>	
<i>Surrogate: Terphenyl-d14</i>	<i>77.8 %</i>	<i>30 - 130</i>			B6L0227	12/02/2016	<i>12/06/2016 13:07</i>	

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID USTB-1 12-13ft

Lab ID: 6120039-01

## Volatile Organics

Analyst: DAH

Method: EPA 8260C

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	15	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Chloromethane	ND	9.7	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Vinyl Chloride	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Bromomethane	ND	9.7	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Chloroethane	ND	9.7	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Trichlorofluoromethane	ND	39	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Acetone	ND	150	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	*F1
Acrylonitrile	ND	7.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	*C1
Trichlorotrifluoroethane	ND	39	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,1-Dichloroethene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Methylene Chloride	ND	48	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	*F1*C1
Carbon Disulfide	ND	9.7	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Methyl-t-Butyl Ether (MTBE)	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
trans-1,2-Dichloroethene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,1-Dichloroethane	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
2-Butanone (MEK)	ND	24	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
2,2-Dichloropropane	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
cis-1,2-Dichloroethene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Chloroform	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Tetrahydrofuran	ND	24	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,1,1-Trichloroethane	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Carbon Tetrachloride	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,1-Dichloropropene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Benzene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,2-Dichloroethane	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Trichloroethene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,2-Dichloropropane	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Dibromomethane	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Bromodichloromethane	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Methyl Isobutyl Ketone	ND	24	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
cis-1,3-Dichloropropene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Toluene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
trans-1,3-Dichloropropene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
2-Hexanone	ND	24	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,1,2-Trichloroethane	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Tetrachloroethene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,3-Dichloropropane	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Dibromochloromethane	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,2-Dibromoethane	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	

Complete Environmental Testing, Inc.

80 Lupes Drive, Stratford, CT 06615 • Tel: 203-377-9984 • Fax: 203-377-9952 • www.cetlabs.com

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CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID USTB-1 12-13ft

Lab ID: 6120039-01

## Volatile Organics

Analyst: DAH

Method: EPA 8260C

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,4-Dichloro-2-Butene	ND	24	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Chlorobenzene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,1,1,2-Tetrachloroethane	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Ethylbenzene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
m+p Xylenes	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
o-Xylene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Styrene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Bromoform	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Isopropylbenzene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,1,2,2-Tetrachloroethane	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Bromobenzene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,2,3-Trichloropropane	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
n-Propylbenzene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
2-Chlorotoluene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
4-Chlorotoluene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,3,5-Trimethylbenzene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
tert-Butylbenzene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,2,4-Trimethylbenzene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
sec-Butylbenzene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,3-Dichlorobenzene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
4-Isopropyltoluene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,4-Dichlorobenzene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,2-Dichlorobenzene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
n-Butylbenzene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,2-Dibromo-3-Chloropropane	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,2,4-Trichlorobenzene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Hexachlorobutadiene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
Naphthalene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
1,2,3-Trichlorobenzene	ND	4.8	1.73	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 15:41	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>94.9 %</i>	<i>70 - 130</i>			B6L0524	12/05/2016	<i>12/05/2016 15:41</i>	
<i>Surrogate: Toluene-d8</i>	<i>96.0 %</i>	<i>70 - 130</i>			B6L0524	12/05/2016	<i>12/05/2016 15:41</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>103 %</i>	<i>70 - 130</i>			B6L0524	12/05/2016	<i>12/05/2016 15:41</i>	

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID USTS-1 11-12ft

Lab ID: 6120039-02

## Conn. Extractable TPH

Analyst: MH

## Method: CT-ETPH

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
<b>ETPH</b>	<b>78</b>	55	1	EPA 3550C	B6L0304	12/03/2016	12/03/2016 22:47	1

*Surrogate: Octacosane* 93.3 % 50 - 150 B6L0304 12/03/2016 12/03/2016 22:47

1 C18-C36 may be PNA Related

## Semivolatile Organics

Analyst: ALM

## Method: EPA 8270D

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:44	
2-Methyl Naphthalene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:44	
Acenaphthylene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:44	
Acenaphthene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:44	
Fluorene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:44	
Phenanthrene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:44	
Anthracene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:44	
<b>Fluoranthene</b>	<b>520</b>	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:44	
<b>Pyrene</b>	<b>440</b>	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:44	
Benzo[a]anthracene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:44	
Chrysene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:44	
<b>Benzo[b]fluoranthene</b>	<b>360</b>	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:44	
Benzo[k]fluoranthene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:44	
Benzo[a]pyrene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:44	
Indeno[1,2,3-cd]pyrene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:44	
Dibenz[a,h]anthracene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:44	
Benzo[g,h,i]perylene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 13:44	

*Surrogate: Nitrobenzene-d5* 64.4 % 30 - 130 B6L0227 12/02/2016 12/06/2016 13:44

*Surrogate: 2-Fluorobiphenyl* 78.7 % 30 - 130 B6L0227 12/02/2016 12/06/2016 13:44

*Surrogate: Terphenyl-d14* 112 % 30 - 130 B6L0227 12/02/2016 12/06/2016 13:44

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID USTS-1 11-12ft

Lab ID: 6120039-02

Volatile Organics  
Method: EPA 8260C

Analyst: DAH

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	14	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Chloromethane	ND	9.1	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Vinyl Chloride	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Bromomethane	ND	9.1	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Chloroethane	ND	9.1	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Trichlorofluoromethane	ND	36	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Acetone	ND	140	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	*F1
Acrylonitrile	ND	7.3	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	*C1
Trichlorotrifluoroethane	ND	36	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,1-Dichloroethene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Methylene Chloride	ND	46	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	*F1*C1
Carbon Disulfide	ND	9.1	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Methyl-t-Butyl Ether (MTBE)	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
trans-1,2-Dichloroethene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,1-Dichloroethane	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
2-Butanone (MEK)	ND	23	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
2,2-Dichloropropane	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
cis-1,2-Dichloroethene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Chloroform	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Tetrahydrofuran	ND	23	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,1,1-Trichloroethane	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Carbon Tetrachloride	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,1-Dichloropropene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Benzene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,2-Dichloroethane	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Trichloroethene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,2-Dichloropropane	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Dibromomethane	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Bromodichloromethane	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Methyl Isobutyl Ketone	ND	23	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
cis-1,3-Dichloropropene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Toluene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
trans-1,3-Dichloropropene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
2-Hexanone	ND	23	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,1,2-Trichloroethane	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Tetrachloroethene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,3-Dichloropropane	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Dibromochloromethane	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,2-Dibromoethane	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	

Complete Environmental Testing, Inc.

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CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID USTS-1 11-12ft

Lab ID: 6120039-02

## Volatile Organics

Analyst: DAH

Method: EPA 8260C

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,4-Dichloro-2-Butene	ND	23	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Chlorobenzene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,1,1,2-Tetrachloroethane	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Ethylbenzene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
m+p Xylenes	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
o-Xylene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Styrene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Bromoform	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Isopropylbenzene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,1,2,2-Tetrachloroethane	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Bromobenzene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,2,3-Trichloropropane	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
n-Propylbenzene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
2-Chlorotoluene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
4-Chlorotoluene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,3,5-Trimethylbenzene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
tert-Butylbenzene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,2,4-Trimethylbenzene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
sec-Butylbenzene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,3-Dichlorobenzene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
4-Isopropyltoluene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,4-Dichlorobenzene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,2-Dichlorobenzene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
n-Butylbenzene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,2-Dibromo-3-Chloropropane	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,2,4-Trichlorobenzene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Hexachlorobutadiene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
Naphthalene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
1,2,3-Trichlorobenzene	ND	4.6	1.64	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:02	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>90.2 %</i>	<i>70 - 130</i>			B6L0524	12/05/2016	<i>12/05/2016 16:02</i>	
<i>Surrogate: Toluene-d8</i>	<i>93.8 %</i>	<i>70 - 130</i>			B6L0524	12/05/2016	<i>12/05/2016 16:02</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>112 %</i>	<i>70 - 130</i>			B6L0524	12/05/2016	<i>12/05/2016 16:02</i>	

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID USTS-2 11-12ft

Lab ID: 6120039-03

## Conn. Extractable TPH

Analyst: MH

## Method: CT-ETPH

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	ND	54	1	EPA 3550C	B6L0637	12/06/2016	12/06/2016 20:50	
<i>Surrogate: Octacosane</i>	<i>87.9 %</i>	<i>50 - 150</i>			B6L0637	12/06/2016	<i>12/06/2016 20:50</i>	

## Semivolatile Organics

Analyst: ALM

## Method: EPA 8270D

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	320	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:21	
2-Methyl Naphthalene	ND	320	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:21	
Acenaphthylene	ND	320	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:21	
Acenaphthene	ND	320	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:21	
Fluorene	ND	320	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:21	
Phenanthrene	ND	320	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:21	
Anthracene	ND	320	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:21	
Fluoranthene	ND	320	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:21	
Pyrene	ND	320	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:21	
Benzo[a]anthracene	ND	320	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:21	
Chrysene	ND	320	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:21	
Benzo[b]fluoranthene	ND	320	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:21	
Benzo[k]fluoranthene	ND	320	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:21	
Benzo[a]pyrene	ND	320	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:21	
Indeno[1,2,3-cd]pyrene	ND	320	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:21	
Dibenz[a,h]anthracene	ND	320	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:21	
Benzo[g,h,i]perylene	ND	320	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:21	
<i>Surrogate: Nitrobenzene-d5</i>	<i>41.9 %</i>	<i>30 - 130</i>			B6L0227	12/02/2016	<i>12/06/2016 14:21</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>49.6 %</i>	<i>30 - 130</i>			B6L0227	12/02/2016	<i>12/06/2016 14:21</i>	
<i>Surrogate: Terphenyl-d14</i>	<i>73.3 %</i>	<i>30 - 130</i>			B6L0227	12/02/2016	<i>12/06/2016 14:21</i>	

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID USTS-2 11-12ft

Lab ID: 6120039-03

## Volatile Organics

Analyst: DAH

Method: EPA 8260C

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	15	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Chloromethane	ND	10	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Vinyl Chloride	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Bromomethane	ND	10	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Chloroethane	ND	10	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Trichlorofluoromethane	ND	41	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Acetone	ND	150	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	*F1
Acrylonitrile	ND	8.2	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	*C1
Trichlorotrifluoroethane	ND	41	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,1-Dichloroethene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Methylene Chloride	ND	51	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	*F1*C1
Carbon Disulfide	ND	10	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
trans-1,2-Dichloroethene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,1-Dichloroethane	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
2-Butanone (MEK)	ND	26	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
2,2-Dichloropropane	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
cis-1,2-Dichloroethene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Chloroform	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Tetrahydrofuran	ND	26	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,1,1-Trichloroethane	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Carbon Tetrachloride	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,1-Dichloropropene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Benzene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,2-Dichloroethane	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Trichloroethene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,2-Dichloropropane	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Dibromomethane	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Bromodichloromethane	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Methyl Isobutyl Ketone	ND	26	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
cis-1,3-Dichloropropene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Toluene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
trans-1,3-Dichloropropene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
2-Hexanone	ND	26	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,1,1,2-Trichloroethane	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Tetrachloroethene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,3-Dichloropropane	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Dibromochloromethane	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,2-Dibromoethane	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	

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CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID USTS-2 11-12ft

Lab ID: 6120039-03

## Volatile Organics

Analyst: DAH

Method: EPA 8260C

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,4-Dichloro-2-Butene	ND	26	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Chlorobenzene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,1,1,2-Tetrachloroethane	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Ethylbenzene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
m+p Xylenes	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
o-Xylene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Styrene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Bromoform	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Isopropylbenzene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,1,2,2-Tetrachloroethane	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Bromobenzene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,2,3-Trichloropropane	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
n-Propylbenzene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
2-Chlorotoluene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
4-Chlorotoluene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,3,5-Trimethylbenzene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
tert-Butylbenzene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,2,4-Trimethylbenzene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
sec-Butylbenzene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,3-Dichlorobenzene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
4-Isopropyltoluene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,4-Dichlorobenzene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,2-Dichlorobenzene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
n-Butylbenzene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,2-Dibromo-3-Chloropropane	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,2,4-Trichlorobenzene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Hexachlorobutadiene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
Naphthalene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
1,2,3-Trichlorobenzene	ND	5.1	1.89	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>93.1 %</i>	<i>70 - 130</i>			B6L0524	12/05/2016	<i>12/05/2016 16:24</i>	
<i>Surrogate: Toluene-d8</i>	<i>97.5 %</i>	<i>70 - 130</i>			B6L0524	12/05/2016	<i>12/05/2016 16:24</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>107 %</i>	<i>70 - 130</i>			B6L0524	12/05/2016	<i>12/05/2016 16:24</i>	

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID USTS-3 11-12ft

Lab ID: 6120039-04

## Conn. Extractable TPH

Analyst: MH

## Method: CT-ETPH

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	ND	56	1	EPA 3550C	B6L0637	12/06/2016	12/06/2016 21:13	
<i>Surrogate: Octacosane</i>	<i>86.0 %</i>	<i>50 - 150</i>			B6L0637	12/06/2016	<i>12/06/2016 21:13</i>	

## Semivolatile Organics

Analyst: ALM

## Method: EPA 8270D

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:58	
2-Methyl Naphthalene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:58	
Acenaphthylene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:58	
Acenaphthene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:58	
Fluorene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:58	
Phenanthrene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:58	
Anthracene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:58	
Fluoranthene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:58	
Pyrene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:58	
Benzo[a]anthracene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:58	
Chrysene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:58	
Benzo[b]fluoranthene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:58	
Benzo[k]fluoranthene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:58	
Benzo[a]pyrene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:58	
Indeno[1,2,3-cd]pyrene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:58	
Dibenz[a,h]anthracene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:58	
Benzo[g,h,i]perylene	ND	340	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 14:58	
<i>Surrogate: Nitrobenzene-d5</i>	<i>37.7 %</i>	<i>30 - 130</i>			B6L0227	12/02/2016	<i>12/06/2016 14:58</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>43.3 %</i>	<i>30 - 130</i>			B6L0227	12/02/2016	<i>12/06/2016 14:58</i>	
<i>Surrogate: Terphenyl-d14</i>	<i>75.8 %</i>	<i>30 - 130</i>			B6L0227	12/02/2016	<i>12/06/2016 14:58</i>	

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID USTS-3 11-12ft

Lab ID: 6120039-04

**Volatile Organics**  
**Method: EPA 8260C**

Analyst: DAH

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	15	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Chloromethane	ND	9.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Vinyl Chloride	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Bromomethane	ND	9.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Chloroethane	ND	9.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Trichlorofluoromethane	ND	39	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Acetone	ND	150	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	*F1
Acrylonitrile	ND	7.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	*C1
Trichlorotrifluoroethane	ND	39	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,1-Dichloroethene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Methylene Chloride	ND	49	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	*F1*C1
Carbon Disulfide	ND	9.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
trans-1,2-Dichloroethene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,1-Dichloroethane	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
2-Butanone (MEK)	ND	25	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
2,2-Dichloropropane	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
cis-1,2-Dichloroethene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Chloroform	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Tetrahydrofuran	ND	25	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,1,1-Trichloroethane	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Carbon Tetrachloride	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,1-Dichloropropene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Benzene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,2-Dichloroethane	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Trichloroethene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,2-Dichloropropane	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Dibromomethane	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Bromodichloromethane	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Methyl Isobutyl Ketone	ND	25	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
cis-1,3-Dichloropropene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Toluene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
trans-1,3-Dichloropropene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
2-Hexanone	ND	25	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,1,1,2-Trichloroethane	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Tetrachloroethene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,3-Dichloropropane	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Dibromochloromethane	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,2-Dibromoethane	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	

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CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID USTS-3 11-12ft

Lab ID: 6120039-04

## Volatile Organics

Analyst: DAH

Method: EPA 8260C

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,4-Dichloro-2-Butene	ND	25	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Chlorobenzene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,1,1,2-Tetrachloroethane	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Ethylbenzene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
m+p Xylenes	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
o-Xylene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Styrene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Bromoform	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Isopropylbenzene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,1,2,2-Tetrachloroethane	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Bromobenzene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,2,3-Trichloropropane	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
n-Propylbenzene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
2-Chlorotoluene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
4-Chlorotoluene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,3,5-Trimethylbenzene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
tert-Butylbenzene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,2,4-Trimethylbenzene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
sec-Butylbenzene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,3-Dichlorobenzene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
4-Isopropyltoluene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,4-Dichlorobenzene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,2-Dichlorobenzene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
n-Butylbenzene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,2-Dibromo-3-Chloropropane	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,2,4-Trichlorobenzene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Hexachlorobutadiene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
Naphthalene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
1,2,3-Trichlorobenzene	ND	4.9	1.75	EPA 5035A-L	B6L0524	12/05/2016	12/05/2016 16:46	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>83.9 %</i>	<i>70 - 130</i>			B6L0524	12/05/2016	<i>12/05/2016 16:46</i>	
<i>Surrogate: Toluene-d8</i>	<i>95.2 %</i>	<i>70 - 130</i>			B6L0524	12/05/2016	<i>12/05/2016 16:46</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>110 %</i>	<i>70 - 130</i>			B6L0524	12/05/2016	<i>12/05/2016 16:46</i>	

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID USTS-4 11-12ft

Lab ID: 6120039-05

## Conn. Extractable TPH

Analyst: MH

## Method: CT-ETPH

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	ND	55	1	EPA 3550C	B6L0637	12/06/2016	12/06/2016 21:36	
<i>Surrogate: Octacosane</i>	<i>86.9 %</i>	<i>50 - 150</i>			B6L0637	12/06/2016	<i>12/06/2016 21:36</i>	

## Semivolatile Organics

Analyst: ALM

## Method: EPA 8270D

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 15:34	
2-Methyl Naphthalene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 15:34	
Acenaphthylene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 15:34	
Acenaphthene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 15:34	
Fluorene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 15:34	
Phenanthrene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 15:34	
Anthracene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 15:34	
Fluoranthene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 15:34	
Pyrene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 15:34	
Benzo[a]anthracene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 15:34	
Chrysene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 15:34	
Benzo[b]fluoranthene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 15:34	
Benzo[k]fluoranthene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 15:34	
Benzo[a]pyrene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 15:34	
Indeno[1,2,3-cd]pyrene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 15:34	
Dibenz[a,h]anthracene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 15:34	
Benzo[g,h,i]perylene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 15:34	
<i>Surrogate: Nitrobenzene-d5</i>	<i>38.7 %</i>	<i>30 - 130</i>			B6L0227	12/02/2016	<i>12/06/2016 15:34</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>51.3 %</i>	<i>30 - 130</i>			B6L0227	12/02/2016	<i>12/06/2016 15:34</i>	
<i>Surrogate: Terphenyl-d14</i>	<i>78.8 %</i>	<i>30 - 130</i>			B6L0227	12/02/2016	<i>12/06/2016 15:34</i>	

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID USTS-4 11-12ft

Lab ID: 6120039-05

## Volatile Organics

Analyst: DAH

Method: EPA 8260C

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	14	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Chloromethane	ND	9.4	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Vinyl Chloride	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Bromomethane	ND	9.4	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Chloroethane	ND	9.4	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Trichlorofluoromethane	ND	38	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Acetone	ND	140	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Acrylonitrile	ND	7.5	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Trichlorotrifluoroethane	ND	38	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
1,1-Dichloroethene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Methylene Chloride	ND	47	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	*F1*C1
Carbon Disulfide	ND	9.4	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Methyl-t-Butyl Ether (MTBE)	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
trans-1,2-Dichloroethene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
1,1-Dichloroethane	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
2-Butanone (MEK)	ND	23	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
2,2-Dichloropropane	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
cis-1,2-Dichloroethene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Chloroform	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Tetrahydrofuran	ND	23	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
1,1,1-Trichloroethane	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Carbon Tetrachloride	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	*C1
1,1-Dichloropropene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	*C1
Benzene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
1,2-Dichloroethane	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Trichloroethene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
1,2-Dichloropropane	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Dibromomethane	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Bromodichloromethane	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Methyl Isobutyl Ketone	ND	23	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
cis-1,3-Dichloropropene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Toluene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
trans-1,3-Dichloropropene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
2-Hexanone	ND	23	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
1,1,2-Trichloroethane	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Tetrachloroethene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
1,3-Dichloropropane	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Dibromochloromethane	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
1,2-Dibromoethane	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	

Complete Environmental Testing, Inc.

80 Lupes Drive, Stratford, CT 06615 • Tel: 203-377-9984 • Fax: 203-377-9952 • www.cetlabs.com

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CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID USTS-4 11-12ft

Lab ID: 6120039-05

## Volatile Organics

Analyst: DAH

Method: EPA 8260C

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,4-Dichloro-2-Butene	ND	23	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Chlorobenzene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
1,1,1,2-Tetrachloroethane	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Ethylbenzene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
m+p Xylenes	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
o-Xylene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Styrene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Bromoform	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Isopropylbenzene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
1,1,2,2-Tetrachloroethane	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Bromobenzene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
1,2,3-Trichloropropane	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
n-Propylbenzene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
2-Chlorotoluene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
4-Chlorotoluene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
1,3,5-Trimethylbenzene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
tert-Butylbenzene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
1,2,4-Trimethylbenzene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
sec-Butylbenzene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
1,3-Dichlorobenzene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
4-Isopropyltoluene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
1,4-Dichlorobenzene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
1,2-Dichlorobenzene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
n-Butylbenzene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
1,2-Dibromo-3-Chloropropane	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
1,2,4-Trichlorobenzene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Hexachlorobutadiene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
Naphthalene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
1,2,3-Trichlorobenzene	ND	4.7	1.72	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 15:57	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>95.1 %</i>	<i>70 - 130</i>			B6L0525	12/05/2016	<i>12/05/2016 15:57</i>	
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>70 - 130</i>			B6L0525	12/05/2016	<i>12/05/2016 15:57</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.5 %</i>	<i>70 - 130</i>			B6L0525	12/05/2016	<i>12/05/2016 15:57</i>	

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID USTS-5 11-12ft

Lab ID: 6120039-06

## Conn. Extractable TPH

Analyst: MH

## Method: CT-ETPH

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	ND	57	1	EPA 3550C	B6L0502	12/05/2016	12/05/2016 10:49	
<i>Surrogate: Octacosane</i>	<i>80.0 %</i>	<i>50 - 150</i>			B6L0502	12/05/2016	<i>12/05/2016 10:49</i>	

## Semivolatile Organics

Analyst: ALM

## Method: EPA 8270D

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	350	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:12	
2-Methyl Naphthalene	ND	350	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:12	
Acenaphthylene	ND	350	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:12	
Acenaphthene	ND	350	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:12	
Fluorene	ND	350	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:12	
Phenanthrene	ND	350	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:12	
Anthracene	ND	350	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:12	
Fluoranthene	ND	350	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:12	
Pyrene	ND	350	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:12	
Benzo[a]anthracene	ND	350	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:12	
Chrysene	ND	350	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:12	
Benzo[b]fluoranthene	ND	350	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:12	
Benzo[k]fluoranthene	ND	350	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:12	
Benzo[a]pyrene	ND	350	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:12	
Indeno[1,2,3-cd]pyrene	ND	350	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:12	
Dibenz[a,h]anthracene	ND	350	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:12	
Benzo[g,h,i]perylene	ND	350	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:12	
<i>Surrogate: Nitrobenzene-d5</i>	<i>35.4 %</i>	<i>30 - 130</i>			B6L0227	12/02/2016	<i>12/06/2016 16:12</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>44.9 %</i>	<i>30 - 130</i>			B6L0227	12/02/2016	<i>12/06/2016 16:12</i>	
<i>Surrogate: Terphenyl-d14</i>	<i>68.9 %</i>	<i>30 - 130</i>			B6L0227	12/02/2016	<i>12/06/2016 16:12</i>	

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID USTS-5 11-12ft

Lab ID: 6120039-06

## Volatile Organics

Analyst: DAH

Method: EPA 8260C

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	12	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Chloromethane	ND	8.2	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Vinyl Chloride	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Bromomethane	ND	8.2	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Chloroethane	ND	8.2	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Trichlorofluoromethane	ND	33	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Acetone	ND	120	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Acrylonitrile	ND	6.5	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Trichlorotrifluoroethane	ND	33	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
1,1-Dichloroethene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Methylene Chloride	ND	41	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	*F1*C1
Carbon Disulfide	ND	8.2	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Methyl-t-Butyl Ether (MTBE)	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
trans-1,2-Dichloroethene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
1,1-Dichloroethane	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
2-Butanone (MEK)	ND	20	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
2,2-Dichloropropane	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
cis-1,2-Dichloroethene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Chloroform	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Tetrahydrofuran	ND	20	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
1,1,1-Trichloroethane	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Carbon Tetrachloride	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	*C1
1,1-Dichloropropene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	*C1
Benzene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
1,2-Dichloroethane	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Trichloroethene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
1,2-Dichloropropane	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Dibromomethane	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Bromodichloromethane	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Methyl Isobutyl Ketone	ND	20	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
cis-1,3-Dichloropropene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Toluene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
trans-1,3-Dichloropropene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
2-Hexanone	ND	20	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
1,1,2-Trichloroethane	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Tetrachloroethene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
1,3-Dichloropropane	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Dibromochloromethane	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
1,2-Dibromoethane	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	

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CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID USTS-5 11-12ft

Lab ID: 6120039-06

## Volatile Organics

Analyst: DAH

Method: EPA 8260C

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,4-Dichloro-2-Butene	ND	20	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Chlorobenzene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
1,1,1,2-Tetrachloroethane	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Ethylbenzene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
m+p Xylenes	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
o-Xylene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Styrene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Bromoform	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Isopropylbenzene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
1,1,2,2-Tetrachloroethane	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Bromobenzene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
1,2,3-Trichloropropane	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
n-Propylbenzene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
2-Chlorotoluene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
4-Chlorotoluene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
1,3,5-Trimethylbenzene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
tert-Butylbenzene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
1,2,4-Trimethylbenzene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
sec-Butylbenzene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
1,3-Dichlorobenzene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
4-Isopropyltoluene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
1,4-Dichlorobenzene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
1,2-Dichlorobenzene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
n-Butylbenzene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
1,2,4-Trichlorobenzene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Hexachlorobutadiene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
Naphthalene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
1,2,3-Trichlorobenzene	ND	4.1	1.42	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>98.5 %</i>	<i>70 - 130</i>			B6L0525	12/05/2016	<i>12/05/2016 16:21</i>	
<i>Surrogate: Toluene-d8</i>	<i>100 %</i>	<i>70 - 130</i>			B6L0525	12/05/2016	<i>12/05/2016 16:21</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.3 %</i>	<i>70 - 130</i>			B6L0525	12/05/2016	<i>12/05/2016 16:21</i>	

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID DUP-1

Lab ID: 6120039-07

## Conn. Extractable TPH

Analyst: MH

## Method: CT-ETPH

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	ND	56	1	EPA 3550C	B6L0502	12/05/2016	12/05/2016 11:12	
<i>Surrogate: Octacosane</i>	<i>80.0 %</i>	<i>50 - 150</i>			B6L0502	12/05/2016	<i>12/05/2016 11:12</i>	

## Semivolatile Organics

Analyst: ALM

## Method: EPA 8270D

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:48	
2-Methyl Naphthalene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:48	
Acenaphthylene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:48	
Acenaphthene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:48	
Fluorene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:48	
Phenanthrene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:48	
Anthracene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:48	
Fluoranthene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:48	
Pyrene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:48	
Benzo[a]anthracene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:48	
Chrysene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:48	
Benzo[b]fluoranthene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:48	
Benzo[k]fluoranthene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:48	
Benzo[a]pyrene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:48	
Indeno[1,2,3-cd]pyrene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:48	
Dibenz[a,h]anthracene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:48	
Benzo[g,h,i]perylene	ND	330	1	EPA 3545A	B6L0227	12/02/2016	12/06/2016 16:48	
<i>Surrogate: Nitrobenzene-d5</i>	<i>41.5 %</i>	<i>30 - 130</i>			B6L0227	12/02/2016	<i>12/06/2016 16:48</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>49.2 %</i>	<i>30 - 130</i>			B6L0227	12/02/2016	<i>12/06/2016 16:48</i>	
<i>Surrogate: Terphenyl-d14</i>	<i>81.5 %</i>	<i>30 - 130</i>			B6L0227	12/02/2016	<i>12/06/2016 16:48</i>	

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID DUP-1

Lab ID: 6120039-07

## Volatile Organics

Analyst: DAH

Method: EPA 8260C

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	14	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Chloromethane	ND	9.2	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Vinyl Chloride	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Bromomethane	ND	9.2	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Chloroethane	ND	9.2	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Trichlorofluoromethane	ND	37	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Acetone	ND	140	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Acrylonitrile	ND	7.4	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Trichlorotrifluoroethane	ND	37	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
1,1-Dichloroethene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Methylene Chloride	ND	46	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	*F1*C1
Carbon Disulfide	ND	9.2	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Methyl-t-Butyl Ether (MTBE)	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
trans-1,2-Dichloroethene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
1,1-Dichloroethane	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
2-Butanone (MEK)	ND	23	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
2,2-Dichloropropane	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
cis-1,2-Dichloroethene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Chloroform	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Tetrahydrofuran	ND	23	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
1,1,1-Trichloroethane	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Carbon Tetrachloride	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	*C1
1,1-Dichloropropene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	*C1
Benzene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
1,2-Dichloroethane	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Trichloroethene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
1,2-Dichloropropane	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Dibromomethane	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Bromodichloromethane	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Methyl Isobutyl Ketone	ND	23	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
cis-1,3-Dichloropropene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Toluene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
trans-1,3-Dichloropropene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
2-Hexanone	ND	23	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
1,1,2-Trichloroethane	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Tetrachloroethene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
1,3-Dichloropropane	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Dibromochloromethane	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
1,2-Dibromoethane	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	

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CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Client Sample ID DUP-1

Lab ID: 6120039-07

## Volatile Organics

Analyst: DAH

Method: EPA 8260C

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,4-Dichloro-2-Butene	ND	23	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Chlorobenzene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
1,1,1,2-Tetrachloroethane	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Ethylbenzene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
m+p Xylenes	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
o-Xylene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Styrene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Bromoform	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Isopropylbenzene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
1,1,2,2-Tetrachloroethane	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Bromobenzene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
1,2,3-Trichloropropane	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
n-Propylbenzene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
2-Chlorotoluene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
4-Chlorotoluene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
1,3,5-Trimethylbenzene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
tert-Butylbenzene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
1,2,4-Trimethylbenzene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
sec-Butylbenzene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
1,3-Dichlorobenzene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
4-Isopropyltoluene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
1,4-Dichlorobenzene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
1,2-Dichlorobenzene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
n-Butylbenzene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
1,2-Dibromo-3-Chloropropane	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
1,2,4-Trichlorobenzene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Hexachlorobutadiene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
Naphthalene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
1,2,3-Trichlorobenzene	ND	4.6	1.65	EPA 5035A-L	B6L0525	12/05/2016	12/05/2016 16:46	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>94.1 %</i>	<i>70 - 130</i>			B6L0525	12/05/2016	<i>12/05/2016 16:46</i>	
<i>Surrogate: Toluene-d8</i>	<i>100 %</i>	<i>70 - 130</i>			B6L0525	12/05/2016	<i>12/05/2016 16:46</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.8 %</i>	<i>70 - 130</i>			B6L0525	12/05/2016	<i>12/05/2016 16:46</i>	

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## QUALITY CONTROL SECTION

## Batch B6L0227 - EPA 8270D

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Blank (B6L0227-BLK1)</b>				Prepared: 12/2/2016 Analyzed: 12/6/2016					
Naphthalene	ND	300							
2-Methyl Naphthalene	ND	300							
Acenaphthylene	ND	300							
Acenaphthene	ND	300							
Fluorene	ND	300							
Phenanthrene	ND	300							
Anthracene	ND	300							
Fluoranthene	ND	300							
Pyrene	ND	300							
Benzo[a]anthracene	ND	300							
Chrysene	ND	300							
Benzo[b]fluoranthene	ND	300							
Benzo[k]fluoranthene	ND	300							
Benzo[a]pyrene	ND	300							
Indeno[1,2,3-cd]pyrene	ND	300							
Dibenz[a,h]anthracene	ND	300							
Benzo[g,h,i]perylene	ND	300							
<i>Surrogate: Nitrobenzene-d5</i>					69.0	30 - 130			
<i>Surrogate: 2-Fluorobiphenyl</i>					65.6	30 - 130			
<i>Surrogate: Terphenyl-d14</i>					77.0	30 - 130			
<b>LCS (B6L0227-BS1)</b>				Prepared: 12/2/2016 Analyzed: 12/6/2016					
Naphthalene	2590	300	4,000.000		64.7	40 - 140			
2-Methyl Naphthalene	1970	300	4,000.000		49.2	40 - 140			
Acenaphthylene	2740	300	4,000.000		68.6	40 - 140			
Acenaphthene	2680	300	4,000.000		67.0	40 - 140			
Fluorene	2700	300	4,000.000		67.6	40 - 140			
Phenanthrene	2800	300	4,000.000		69.9	40 - 140			
Anthracene	2920	300	4,000.000		73.0	40 - 140			
Fluoranthene	2610	300	4,000.000		65.3	40 - 140			
Pyrene	2750	300	4,000.000		68.7	40 - 140			
Benzo[a]anthracene	2400	300	4,000.000		60.0	40 - 140			
Chrysene	2750	300	4,000.000		68.7	40 - 140			
Benzo[b]fluoranthene	3240	300	4,000.000		81.0	40 - 140			
Benzo[k]fluoranthene	3460	300	4,000.000		86.5	40 - 140			
Benzo[a]pyrene	3490	300	4,000.000		87.3	40 - 140			
Indeno[1,2,3-cd]pyrene	3210	300	4,000.000		80.4	40 - 140			
Dibenz[a,h]anthracene	3390	300	4,000.000		84.8	40 - 140			
Benzo[g,h,i]perylene	2550	300	4,000.000		63.7	40 - 140			
<i>Surrogate: Nitrobenzene-d5</i>					67.0	30 - 130			
<i>Surrogate: 2-Fluorobiphenyl</i>					62.1	30 - 130			
<i>Surrogate: Terphenyl-d14</i>					58.0	30 - 130			

CET # : 6120039

Project: Groton School, Groton

Project Number: 160674

**Batch B6L0304 - CT-ETPH**

Analyte	Result (mg/kg)	RL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Blank (B6L0304-BLK1)</b>					Prepared: 12/3/2016 Analyzed: 12/3/2016				
ETPH	ND	50							
<i>Surrogate: Octacosane</i>					89.2	50 - 150			
<b>LCS (B6L0304-BS1)</b>					Prepared: 12/3/2016 Analyzed: 12/3/2016				
ETPH	1120	50	1,500.000		74.6	60 - 120			
<i>Surrogate: Octacosane</i>					86.2	50 - 150			

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

**Batch B6L0502 - CT-ETPH**

Analyte	Result (mg/kg)	RL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Blank (B6L0502-BLK1)</b>					Prepared: 12/5/2016 Analyzed: 12/5/2016				
ETPH	ND	50							
<i>Surrogate: Octacosane</i>					87.2	50 - 150			
<b>LCS (B6L0502-BS1)</b>					Prepared: 12/5/2016 Analyzed: 12/5/2016				
ETPH	1200	50	1,500.000		80.1	60 - 120			
<i>Surrogate: Octacosane</i>					82.5	50 - 150			

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Batch B6L0524 - EPA 8260C

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Blank (B6L0524-BLK1)</b>					Prepared: 12/5/2016 Analyzed: 12/5/2016				
Dichlorodifluoromethane	ND	7.5							
Chloromethane	ND	5.0							
Vinyl Chloride	ND	2.5							
Bromomethane	ND	5.0							
Chloroethane	ND	5.0							
Trichlorofluoromethane	ND	20							
Acetone	ND	75							
Acrylonitrile	ND	4.0							
Trichlorotrifluoroethane	ND	20							
1,1-Dichloroethene	ND	2.5							
Methylene Chloride	ND	25							
Carbon Disulfide	ND	5.0							
Methyl-t-Butyl Ether (MTBE)	ND	2.5							
trans-1,2-Dichloroethene	ND	2.5							
1,1-Dichloroethane	ND	2.5							
2-Butanone (MEK)	ND	13							
2,2-Dichloropropane	ND	2.5							
cis-1,2-Dichloroethene	ND	2.5							
Chloroform	ND	2.5							
Tetrahydrofuran	ND	13							
1,1,1-Trichloroethane	ND	2.5							
Carbon Tetrachloride	ND	2.5							
1,1-Dichloropropene	ND	2.5							
Benzene	ND	2.5							
1,2-Dichloroethane	ND	2.5							
Trichloroethene	ND	2.5							
1,2-Dichloropropane	ND	2.5							
Dibromomethane	ND	2.5							
Bromodichloromethane	ND	2.5							
Methyl Isobutyl Ketone	ND	13							
cis-1,3-Dichloropropene	ND	2.5							
Toluene	ND	2.5							
trans-1,3-Dichloropropene	ND	2.5							
2-Hexanone	ND	13							
1,1,2-Trichloroethane	ND	2.5							
Tetrachloroethene	ND	2.5							
1,3-Dichloropropane	ND	2.5							
Dibromochloromethane	ND	2.5							
1,2-Dibromoethane	ND	2.5							
trans-1,4-Dichloro-2-Butene	ND	13							
Chlorobenzene	ND	2.5							
1,1,1,2-Tetrachloroethane	ND	2.5							
Ethylbenzene	ND	2.5							
m+p Xylenes	ND	2.5							
o-Xylene	ND	2.5							
Styrene	ND	2.5							
Bromoform	ND	2.5							
Isopropylbenzene	ND	2.5							
1,1,2,2-Tetrachloroethane	ND	2.5							
Bromobenzene	ND	2.5							
1,2,3-Trichloropropane	ND	2.5							
n-Propylbenzene	ND	2.5							

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CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Blank (B6L0524-BLK1) - Continued**

Prepared: 12/5/2016 Analyzed: 12/5/2016

2-Chlorotoluene	ND	2.5							
4-Chlorotoluene	ND	2.5							
1,3,5-Trimethylbenzene	ND	2.5							
tert-Butylbenzene	ND	2.5							
1,2,4-Trimethylbenzene	ND	2.5							
sec-Butylbenzene	ND	2.5							
1,3-Dichlorobenzene	ND	2.5							
4-Isopropyltoluene	ND	2.5							
1,4-Dichlorobenzene	ND	2.5							
1,2-Dichlorobenzene	ND	2.5							
n-Butylbenzene	ND	2.5							
1,2-Dibromo-3-Chloropropane	ND	2.5							
1,2,4-Trichlorobenzene	ND	2.5							
Hexachlorobutadiene	ND	2.5							
Naphthalene	ND	2.5							
1,2,3-Trichlorobenzene	ND	2.5							

Surrogate: 1,2-Dichloroethane-d4

92.4

70 - 130

Surrogate: Toluene-d8

96.7

70 - 130

Surrogate: 4-Bromofluorobenzene

107

70 - 130

**LCS (B6L0524-BS1)**

Prepared: 12/5/2016 Analyzed: 12/5/2016

Dichlorodifluoromethane	61.0	7.5	50.000		122	70 - 130			
Chloromethane	45.1	5.0	50.000		90.2	70 - 130			
Vinyl Chloride	46.9	2.5	50.000		93.8	70 - 130			
Bromomethane	46.4	5.0	50.000		92.8	70 - 130			
Chloroethane	41.4	5.0	50.000		82.7	70 - 130			
Trichlorofluoromethane	42.3	20	50.000		84.5	70 - 130			
Acetone	ND	75	100.000			70 - 130			L
Acrylonitrile	40.5	4.0	50.000		81.0	70 - 130			
Trichlorotrifluoroethane	38.1	20	50.000		76.2	70 - 130			
1,1-Dichloroethene	40.0	2.5	50.000		79.9	70 - 130			
Methylene Chloride	28.2	25	50.000		56.4	70 - 130			L
Carbon Disulfide	38.0	5.0	50.000		75.9	70 - 130			
Methyl-t-Butyl Ether (MTBE)	39.0	2.5	50.000		77.9	70 - 130			
trans-1,2-Dichloroethene	38.9	2.5	50.000		77.7	70 - 130			
1,1-Dichloroethane	38.1	2.5	50.000		76.2	70 - 130			
2-Butanone (MEK)	89.6	13	100.000		89.6	70 - 130			
2,2-Dichloropropane	40.5	2.5	50.000		81.0	70 - 130			
cis-1,2-Dichloroethene	40.0	2.5	50.000		79.9	70 - 130			
Chloroform	39.7	2.5	50.000		79.5	70 - 130			
Tetrahydrofuran	44.0	13	50.000		88.0	70 - 130			
1,1,1-Trichloroethane	47.9	2.5	50.000		95.7	70 - 130			
Carbon Tetrachloride	48.9	2.5	50.000		97.7	70 - 130			
1,1-Dichloropropene	48.2	2.5	50.000		96.4	70 - 130			
Benzene	47.5	2.5	50.000		94.9	70 - 130			
1,2-Dichloroethane	43.5	2.5	50.000		87.1	70 - 130			
Trichloroethene	50.4	2.5	50.000		101	70 - 130			
1,2-Dichloropropane	46.7	2.5	50.000		93.4	70 - 130			
Dibromomethane	54.8	2.5	50.000		110	70 - 130			
Bromodichloromethane	48.9	2.5	50.000		97.7	70 - 130			
Methyl Isobutyl Ketone	91.6	13	100.000		91.6	70 - 130			
cis-1,3-Dichloropropene	50.0	2.5	50.000		100	70 - 130			
Toluene	48.2	2.5	50.000		96.5	70 - 130			

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CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>LCS (B6L0524-BS1) - Continued</b>					Prepared: 12/5/2016 Analyzed: 12/5/2016				
trans-1,3-Dichloropropene	50.2	2.5	50.000		100	70 - 130			
2-Hexanone	95.0	13	100.000		95.0	70 - 130			
1,1,2-Trichloroethane	51.5	2.5	50.000		103	70 - 130			
Tetrachloroethene	51.6	2.5	50.000		103	70 - 130			
1,3-Dichloropropane	48.8	2.5	50.000		97.5	70 - 130			
Dibromochloromethane	55.4	2.5	50.000		111	70 - 130			
1,2-Dibromoethane	51.8	2.5	50.000		104	70 - 130			
trans-1,4-Dichloro-2-Butene	50.3	13	50.000		101	70 - 130			
Chlorobenzene	49.6	2.5	50.000		99.1	70 - 130			
1,1,1,2-Tetrachloroethane	52.7	2.5	50.000		105	70 - 130			
Ethylbenzene	48.0	2.5	50.000		96.0	70 - 130			
m+p Xylenes	99.4	2.5	100.000		99.4	70 - 130			
o-Xylene	48.3	2.5	50.000		96.5	70 - 130			
Styrene	52.2	2.5	50.000		104	70 - 130			
Bromoform	57.9	2.5	50.000		116	70 - 130			
Isopropylbenzene	51.7	2.5	50.000		103	70 - 130			
1,1,2,2-Tetrachloroethane	52.8	2.5	50.000		106	70 - 130			
Bromobenzene	45.2	2.5	50.000		90.5	70 - 130			
1,2,3-Trichloropropane	48.3	2.5	50.000		96.5	70 - 130			
n-Propylbenzene	46.9	2.5	50.000		93.9	70 - 130			
2-Chlorotoluene	46.3	2.5	50.000		92.5	70 - 130			
4-Chlorotoluene	47.1	2.5	50.000		94.1	70 - 130			
1,3,5-Trimethylbenzene	47.8	2.5	50.000		95.5	70 - 130			
tert-Butylbenzene	50.5	2.5	50.000		101	70 - 130			
1,2,4-Trimethylbenzene	48.8	2.5	50.000		97.5	70 - 130			
sec-Butylbenzene	51.6	2.5	50.000		103	70 - 130			
1,3-Dichlorobenzene	52.0	2.5	50.000		104	70 - 130			
4-Isopropyltoluene	52.7	2.5	50.000		105	70 - 130			
1,4-Dichlorobenzene	51.9	2.5	50.000		104	70 - 130			
1,2-Dichlorobenzene	52.8	2.5	50.000		106	70 - 130			
n-Butylbenzene	50.6	2.5	50.000		101	70 - 130			
1,2-Dibromo-3-Chloropropane	59.9	2.5	50.000		120	70 - 130			
1,2,4-Trichlorobenzene	58.4	2.5	50.000		117	70 - 130			
Hexachlorobutadiene	60.6	2.5	50.000		121	70 - 130			
Naphthalene	57.0	2.5	50.000		114	70 - 130			
1,2,3-Trichlorobenzene	59.0	2.5	50.000		118	70 - 130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>					<i>87.4</i>	<i>70 - 130</i>			
<i>Surrogate: Toluene-d8</i>					<i>99.9</i>	<i>70 - 130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>					<i>109</i>	<i>70 - 130</i>			

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

## Batch B6L0525 - EPA 8260C

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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## Blank (B6L0525-BLK1)

Prepared: 12/5/2016 Analyzed: 12/5/2016

Dichlorodifluoromethane	ND	7.5							
Chloromethane	ND	5.0							
Vinyl Chloride	ND	2.5							
Bromomethane	ND	5.0							
Chloroethane	ND	5.0							
Trichlorofluoromethane	ND	20							
Acetone	ND	75							
Acrylonitrile	ND	4.0							
Trichlorotrifluoroethane	ND	20							
1,1-Dichloroethene	ND	2.5							
Methylene Chloride	ND	25							
Carbon Disulfide	ND	5.0							
Methyl-t-Butyl Ether (MTBE)	ND	2.5							
trans-1,2-Dichloroethene	ND	2.5							
1,1-Dichloroethane	ND	2.5							
2-Butanone (MEK)	ND	13							
2,2-Dichloropropane	ND	2.5							
cis-1,2-Dichloroethene	ND	2.5							
Chloroform	ND	2.5							
Tetrahydrofuran	ND	13							
1,1,1-Trichloroethane	ND	2.5							
Carbon Tetrachloride	ND	2.5							
1,1-Dichloropropene	ND	2.5							
Benzene	ND	2.5							
1,2-Dichloroethane	ND	2.5							
Trichloroethene	ND	2.5							
1,2-Dichloropropane	ND	2.5							
Dibromomethane	ND	2.5							
Bromodichloromethane	ND	2.5							
Methyl Isobutyl Ketone	ND	13							
cis-1,3-Dichloropropene	ND	2.5							
Toluene	ND	2.5							
trans-1,3-Dichloropropene	ND	2.5							
2-Hexanone	ND	13							
1,1,2-Trichloroethane	ND	2.5							
Tetrachloroethene	ND	2.5							
1,3-Dichloropropane	ND	2.5							
Dibromochloromethane	ND	2.5							
1,2-Dibromoethane	ND	2.5							
trans-1,4-Dichloro-2-Butene	ND	13							
Chlorobenzene	ND	2.5							
1,1,1,2-Tetrachloroethane	ND	2.5							
Ethylbenzene	ND	2.5							
m+p Xylenes	ND	2.5							
o-Xylene	ND	2.5							
Styrene	ND	2.5							
Bromoform	ND	2.5							
Isopropylbenzene	ND	2.5							
1,1,2,2-Tetrachloroethane	ND	2.5							
Bromobenzene	ND	2.5							
1,2,3-Trichloropropane	ND	2.5							
n-Propylbenzene	ND	2.5							

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CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Blank (B6L0525-BLK1) - Continued**

Prepared: 12/5/2016 Analyzed: 12/5/2016

2-Chlorotoluene	ND	2.5							
4-Chlorotoluene	ND	2.5							
1,3,5-Trimethylbenzene	ND	2.5							
tert-Butylbenzene	ND	2.5							
1,2,4-Trimethylbenzene	ND	2.5							
sec-Butylbenzene	ND	2.5							
1,3-Dichlorobenzene	ND	2.5							
4-Isopropyltoluene	ND	2.5							
1,4-Dichlorobenzene	ND	2.5							
1,2-Dichlorobenzene	ND	2.5							
n-Butylbenzene	ND	2.5							
1,2-Dibromo-3-Chloropropane	ND	2.5							
1,2,4-Trichlorobenzene	ND	2.5							
Hexachlorobutadiene	ND	2.5							
Naphthalene	ND	2.5							
1,2,3-Trichlorobenzene	ND	2.5							

Surrogate: 1,2-Dichloroethane-d4

96.7 70 - 130

Surrogate: Toluene-d8

99.9 70 - 130

Surrogate: 4-Bromofluorobenzene

100 70 - 130

**LCS (B6L0525-BS1)**

Prepared: 12/5/2016 Analyzed: 12/5/2016

Dichlorodifluoromethane	57.5	7.5	50.000		115	70 - 130			
Chloromethane	44.5	5.0	50.000		89.1	70 - 130			
Vinyl Chloride	45.2	2.5	50.000		90.4	70 - 130			
Bromomethane	45.3	5.0	50.000		90.5	70 - 130			
Chloroethane	43.2	5.0	50.000		86.4	70 - 130			
Trichlorofluoromethane	42.6	20	50.000		85.2	70 - 130			
Acetone	77.9	75	100.000		77.9	70 - 130			
Acrylonitrile	40.7	4.0	50.000		81.3	70 - 130			
Trichlorotrifluoroethane	48.0	20	50.000		96.0	70 - 130			
1,1-Dichloroethene	46.3	2.5	50.000		92.6	70 - 130			
Methylene Chloride	26.9	25	50.000		53.7	70 - 130			L
Carbon Disulfide	44.3	5.0	50.000		88.6	70 - 130			
Methyl-t-Butyl Ether (MTBE)	43.7	2.5	50.000		87.4	70 - 130			
trans-1,2-Dichloroethene	46.5	2.5	50.000		92.9	70 - 130			
1,1-Dichloroethane	45.4	2.5	50.000		90.7	70 - 130			
2-Butanone (MEK)	88.6	13	100.000		88.6	70 - 130			
2,2-Dichloropropane	47.5	2.5	50.000		94.9	70 - 130			
cis-1,2-Dichloroethene	44.2	2.5	50.000		88.4	70 - 130			
Chloroform	44.7	2.5	50.000		89.3	70 - 130			
Tetrahydrofuran	37.6	13	50.000		75.1	70 - 130			
1,1,1-Trichloroethane	44.5	2.5	50.000		89.1	70 - 130			
Carbon Tetrachloride	49.9	2.5	50.000		99.9	70 - 130			
1,1-Dichloropropene	45.5	2.5	50.000		91.0	70 - 130			
Benzene	42.8	2.5	50.000		85.6	70 - 130			
1,2-Dichloroethane	38.8	2.5	50.000		77.6	70 - 130			
Trichloroethene	44.6	2.5	50.000		89.3	70 - 130			
1,2-Dichloropropane	40.8	2.5	50.000		81.5	70 - 130			
Dibromomethane	40.1	2.5	50.000		80.1	70 - 130			
Bromodichloromethane	40.8	2.5	50.000		81.5	70 - 130			
Methyl Isobutyl Ketone	76.6	13	100.000		76.6	70 - 130			
cis-1,3-Dichloropropene	40.6	2.5	50.000		81.3	70 - 130			
Toluene	43.1	2.5	50.000		86.1	70 - 130			

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>LCS (B6L0525-BS1) - Continued</b>					Prepared: 12/5/2016 Analyzed: 12/5/2016				
trans-1,3-Dichloropropene	39.9	2.5	50.000		79.8	70 - 130			
2-Hexanone	79.0	13	100.000		79.0	70 - 130			
1,1,2-Trichloroethane	40.2	2.5	50.000		80.4	70 - 130			
Tetrachloroethene	43.8	2.5	50.000		87.6	70 - 130			
1,3-Dichloropropane	39.6	2.5	50.000		79.2	70 - 130			
Dibromochloromethane	41.2	2.5	50.000		82.3	70 - 130			
1,2-Dibromoethane	39.8	2.5	50.000		79.6	70 - 130			
trans-1,4-Dichloro-2-Butene	39.6	13	50.000		79.2	70 - 130			
Chlorobenzene	43.2	2.5	50.000		86.5	70 - 130			
1,1,1,2-Tetrachloroethane	43.4	2.5	50.000		86.8	70 - 130			
Ethylbenzene	43.7	2.5	50.000		87.4	70 - 130			
m+p Xylenes	88.5	2.5	100.000		88.5	70 - 130			
o-Xylene	42.8	2.5	50.000		85.7	70 - 130			
Styrene	43.4	2.5	50.000		86.9	70 - 130			
Bromoform	41.4	2.5	50.000		82.7	70 - 130			
Isopropylbenzene	45.9	2.5	50.000		91.9	70 - 130			
1,1,2,2-Tetrachloroethane	41.9	2.5	50.000		83.8	70 - 130			
Bromobenzene	43.2	2.5	50.000		86.4	70 - 130			
1,2,3-Trichloropropane	42.8	2.5	50.000		85.6	70 - 130			
n-Propylbenzene	47.9	2.5	50.000		95.9	70 - 130			
2-Chlorotoluene	46.4	2.5	50.000		92.8	70 - 130			
4-Chlorotoluene	46.2	2.5	50.000		92.4	70 - 130			
1,3,5-Trimethylbenzene	47.0	2.5	50.000		94.1	70 - 130			
tert-Butylbenzene	48.8	2.5	50.000		97.5	70 - 130			
1,2,4-Trimethylbenzene	46.5	2.5	50.000		93.0	70 - 130			
sec-Butylbenzene	49.2	2.5	50.000		98.5	70 - 130			
1,3-Dichlorobenzene	46.6	2.5	50.000		93.3	70 - 130			
4-Isopropyltoluene	49.8	2.5	50.000		99.6	70 - 130			
1,4-Dichlorobenzene	46.1	2.5	50.000		92.1	70 - 130			
1,2-Dichlorobenzene	45.6	2.5	50.000		91.2	70 - 130			
n-Butylbenzene	49.7	2.5	50.000		99.3	70 - 130			
1,2-Dibromo-3-Chloropropane	43.6	2.5	50.000		87.2	70 - 130			
1,2,4-Trichlorobenzene	47.6	2.5	50.000		95.2	70 - 130			
Hexachlorobutadiene	51.0	2.5	50.000		102	70 - 130			
Naphthalene	45.0	2.5	50.000		90.0	70 - 130			
1,2,3-Trichlorobenzene	46.6	2.5	50.000		93.3	70 - 130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>					<i>98.7</i>	<i>70 - 130</i>			
<i>Surrogate: Toluene-d8</i>					<i>99.6</i>	<i>70 - 130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>					<i>101</i>	<i>70 - 130</i>			

CET #: 6120039

Project: Groton School, Groton

Project Number: 160674

**Batch B6L0637 - CT-ETPH**

Analyte	Result (mg/kg)	RL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Blank (B6L0637-BLK1)</b>					Prepared: 12/6/2016 Analyzed: 12/6/2016				
ETPH	ND	50							
<i>Surrogate: Octacosane</i>					93.2	50 - 150			
<b>LCS (B6L0637-BS1)</b>					Prepared: 12/6/2016 Analyzed: 12/6/2016				
ETPH	1110	50	1,500.000		73.9	60 - 120			
<i>Surrogate: Octacosane</i>					93.6	50 - 150			

CET # : 6120039

Project: Groton School, Groton

Project Number: 160674

## CASE NARRATIVE

Revision: Original report dated 12/7/2016; added RCP per client request.

Questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,



David Ditta  
Laboratory Director

Report Comments:

Sample Result Flags:

- E- The result is estimated, above the calibration range.
- H- The surrogate recovery is above the control limits.
- L- The surrogate recovery is below the control limits.
- B- The compound was detected in the laboratory blank.
- P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
- D- The RPD between the sample and the sample duplicate is high. Sample homogeneity may be a problem.
- + - The Surrogate was diluted out.
- \*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
- \*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
- \*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
- \*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
- I- The Analyte exceeds %RSD limits for the Initial Calibration. This is a non-directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified detection limit  
All analyses were performed in house unless a Reference Laboratory is listed.  
Samples will be disposed of 30 days after the report date.



80 Lupes Drive  
Stratford, CT 06615

Tel: (203) 377-9984  
Fax: (203) 377-9952  
email: cet1@cetlabs.com

### Quality Control Definitions and Abbreviations

Internal Standard (IS)	An Analyte added to each sample or sample extract. An internal standard is used to monitor retention time, calculate relative response, and quantify analytes of interest.
Surrogate Recovery	The % recovery for non-target organic compounds that are spiked into all samples. Used to determine method performance.
Continuing Calibration Batch	An analytical standard analyzed with each set of samples to verify initial calibration of the system. Samples that are analyzed together with the same method, sequence and lot of reagents within the same time period.
ND	Not detected
RL	Reporting Limit
Dilution	Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high concentration of target compounds.
Duplicate Result	Result from the duplicate analysis of a sample. Amount of analyte found in a sample.
Spike Level	Amount of analyte added to a sample
Matrix Spike Result	Amount of analyte found including amount that was spiked.
Matrix Spike Dup	Amount of analyte found in duplicate spikes including amount that was spike.
Matrix Spike % Recovery	% Recovery of spiked amount in sample.
Matrix Spike Dup % Recovery	% Recovery of spiked duplicate amount in sample.
RPD	Relative percent difference between Matrix Spike and Matrix Spike Duplicate.
Blank	Method Blank that has been taken through all steps of the analysis.
LCS % Recovery	Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.
Recovery Limits	A range within which specified measurements results must fall to be compliant.
CC	Calibration Verification

- Flags:
- H- Recovery is above the control limits
  - L- Recovery is below the control limits
  - B- Compound detected in the Blank
  - P- RPD of dual column results exceeds 40%
  - #- Sample result too high for accurate spike recovery.



Connecticut Laboratory Certification PH0116  
Massachusetts Laboratory Certification M-CT903

New York Certification 11982  
Rhode Island Certification 199



## REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

**Laboratory Name:** Complete Environmental Testing, Inc.

**Client:** Tighe & Bond

**Project Location:** Groton School, Groton

**Project Number:** 160674

**Laboratory Sample ID(s):**  
6120039-01 thru 6120039-07

**Sample Date(s):**  
11/30/2016

**List RCP Methods Used:**  
CT-ETPH, EPA 8260C, EPA 8270D

**CET #:** 6120039

<b>1</b>	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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>1A</b>	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>1B</b>	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<b>2</b>	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>3</b>	Were samples received at an appropriate temperature (< 6 degrees C.)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>4</b>	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>5a</b>	a) Were reporting limits specified or referenced on the chain-of-custody?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>5b</b>	b) Were these reporting limits met?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>6</b>	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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>7</b>	Are project specific matrix spikes and laboratory duplicates included with this data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.

**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:**

**Position:** Laboratory Director

**Printed Name:** David Ditta

**Date:** 12/20/2016

**Name of Laboratory:** Complete Environmental Testing, Inc.

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

## RCP Case Narrative

4- See Exceptions Report Below

6- The client requested a subset of the CT 8270 list.

7- Project specific QC was not requested by the client.

### 4- Exceptions Report

Analyte	QC Type	Exception	Result	RPD	Recovery (%)	Batch/Sequence Sample ID
Methylene Chloride	LCS	Low	28.2		56.4	B6L0524
Methylene Chloride	LCS	Low	26.9		53.7	B6L0525
Acrylonitrile	CC	Low	38.4		76.7	S6L0512
Methylene Chloride	CC	Low	29.3		58.6	S6L0512
1,1-Dichloropropene	CC	Low	39.6		79.2	S6L0601
Carbon Tetrachloride	CC	Low	38.3		76.5	S6L0601
Methylene Chloride	CC	Low	32.0		64.0	S6L0601

### QC Batch/Sequence Report

Batch	Sequence	CET ID	Sample ID	Specific Method	Matrix	Collection Date
B6L0304		6120039-01	USTB-1 12-13ft	CT-ETPH	Soil	11/30/2016
B6L0304		6120039-02	USTS-1 11-12ft	CT-ETPH	Soil	11/30/2016
B6L0502		6120039-06	USTS-5 11-12ft	CT-ETPH	Soil	11/30/2016
B6L0502		6120039-07	DUP-1	CT-ETPH	Soil	11/30/2016
B6L0637		6120039-03	USTS-2 11-12ft	CT-ETPH	Soil	11/30/2016
B6L0637		6120039-04	USTS-3 11-12ft	CT-ETPH	Soil	11/30/2016
B6L0637		6120039-05	USTS-4 11-12ft	CT-ETPH	Soil	11/30/2016
B6L0524	S6L0512	6120039-01	USTB-1 12-13ft	EPA 8260C	Soil	11/30/2016
B6L0524	S6L0512	6120039-02	USTS-1 11-12ft	EPA 8260C	Soil	11/30/2016
B6L0524	S6L0512	6120039-03	USTS-2 11-12ft	EPA 8260C	Soil	11/30/2016
B6L0524	S6L0512	6120039-04	USTS-3 11-12ft	EPA 8260C	Soil	11/30/2016
B6L0525	S6L0601	6120039-05	USTS-4 11-12ft	EPA 8260C	Soil	11/30/2016
B6L0525	S6L0601	6120039-06	USTS-5 11-12ft	EPA 8260C	Soil	11/30/2016
B6L0525	S6L0601	6120039-07	DUP-1	EPA 8260C	Soil	11/30/2016
B6L0227	S6L0703	6120039-01	USTB-1 12-13ft	EPA 8270D	Soil	11/30/2016
B6L0227	S6L0703	6120039-02	USTS-1 11-12ft	EPA 8270D	Soil	11/30/2016
B6L0227	S6L0703	6120039-03	USTS-2 11-12ft	EPA 8270D	Soil	11/30/2016
B6L0227	S6L0703	6120039-04	USTS-3 11-12ft	EPA 8270D	Soil	11/30/2016
B6L0227	S6L0703	6120039-05	USTS-4 11-12ft	EPA 8270D	Soil	11/30/2016
B6L0227	S6L0703	6120039-06	USTS-5 11-12ft	EPA 8270D	Soil	11/30/2016
B6L0227	S6L0703	6120039-07	DUP-1	EPA 8270D	Soil	11/30/2016

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<b>CT-ETPH in Soil</b>	
ETPH	CT
<b>EPA 8260C in Soil</b>	
Dichlorodifluoromethane	CT,NY
Chloromethane	CT,NY
Vinyl Chloride	CT,NY
Bromomethane	CT,NY
Chloroethane	CT,NY
Trichlorofluoromethane	CT,NY
Acetone	CT,NY
Acrylonitrile	CT,NY
Trichlorotrifluoroethane	CT,NY
1,1-Dichloroethene	CT,NY
Methylene Chloride	CT,NY
Carbon Disulfide	CT,NY
Methyl-t-Butyl Ether (MTBE)	CT,NY
trans-1,2-Dichloroethene	CT,NY
1,1-Dichloroethane	CT,NY
2-Butanone (MEK)	CT,NY
2,2-Dichloropropane	CT,NY
cis-1,2-Dichloroethene	CT,NY
Chloroform	CT,NY
Tetrahydrofuran	CT
1,1,1-Trichloroethane	CT,NY
Carbon Tetrachloride	CT,NY
1,1-Dichloropropene	CT,NY
Benzene	CT,NY
1,2-Dichloroethane	CT,NY
Trichloroethene	CT,NY
1,2-Dichloropropane	CT,NY
Dibromomethane	CT,NY
Bromodichloromethane	CT,NY
Methyl Isobutyl Ketone	CT,NY
cis-1,3-Dichloropropene	CT,NY
Toluene	CT,NY
trans-1,3-Dichloropropene	CT,NY
2-Hexanone	CT,NY
1,1,2-Trichloroethane	CT,NY
Tetrachloroethene	CT,NY
1,3-Dichloropropane	CT,NY
Dibromochloromethane	CT,NY
1,2-Dibromoethane	CT,NY
trans-1,4-Dichloro-2-Butene	CT,NY
Chlorobenzene	CT,NY
1,1,1,2-Tetrachloroethane	CT,NY
Ethylbenzene	CT,NY
m+p Xylenes	CT,NY
o-Xylene	CT,NY
Styrene	CT,NY
Bromoform	CT,NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<b><i>EPA 8260C in Soil</i></b>	
Isopropylbenzene	CT,NY
1,1,2,2-Tetrachloroethane	CT,NY
Bromobenzene	CT,NY
1,2,3-Trichloropropane	CT,NY
n-Propylbenzene	CT,NY
2-Chlorotoluene	CT,NY
4-Chlorotoluene	CT,NY
1,3,5-Trimethylbenzene	CT,NY
tert-Butylbenzene	CT,NY
1,2,4-Trimethylbenzene	CT,NY
sec-Butylbenzene	CT,NY
1,3-Dichlorobenzene	CT,NY
4-Isopropyltoluene	CT,NY
1,4-Dichlorobenzene	CT,NY
1,2-Dichlorobenzene	CT,NY
n-Butylbenzene	CT,NY
1,2-Dibromo-3-Chloropropane	CT,NY
1,2,4-Trichlorobenzene	CT,NY
Hexachlorobutadiene	CT,NY
Naphthalene	CT,NY
1,2,3-Trichlorobenzene	CT
<b><i>EPA 8270D in Soil</i></b>	
Naphthalene	CT,NY
2-Methyl Naphthalene	CT,NY
Acenaphthylene	CT,NY
Acenaphthene	CT,NY
Fluorene	CT,NY
Phenanthrene	CT,NY
Anthracene	CT,NY
Fluoranthene	CT,NY
Pyrene	CT,NY
Benzo[a]anthracene	CT,NY
Chrysene	CT,NY
Benzo[b]fluoranthene	CT,NY
Benzo[k]fluoranthene	CT,NY
Benzo[a]pyrene	CT,NY
Indeno[1,2,3-cd]pyrene	CT,NY
Dibenz[a,h]anthracene	CT,NY
Benzo[g,h,i]perylene	CT,NY

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2018
NY	New York Certification (NELAC)	11982	04/01/2017



# CHAIN OF CUSTODY

Volatile Soils Only:  
 Date and Time in Freezer  
 Client: Town of Groton / Tisbury  
 CET: \_\_\_\_\_

80 Lupes Drive  
 Stratford, CT 06615  
 Tel: (203) 377-9984  
 Fax: (203) 377-9952  
 e-mail: cet1@cetlabs.com  
 Bottle Request e-mail: bottleorders@cetlabs.com

Sample ID	Sample Depths (Units)	Collection Date/Time	Matrix A-Air S-Soil W-Water DW-Drinking Water	Turnaround Time ** (check one)
US75-1 (11-12)		11/21/10 1320	S	Same Day * Next Day * 2-3 Days * Std (5-7 Days) <input checked="" type="checkbox"/>
US75-2 (11-12)		1330		
US75-3 (11-12)		1340		
US75-4 (11-12)		1400		
US75-5 (11-12)		1410		
DAP-1		1321		

PRESERVATIVE (Cl-HCl, N-HNO<sub>3</sub>, S-H<sub>2</sub>SO<sub>4</sub>, Na-NaOH, C-Cool, O-Other)  
 CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, O-Other)  
 Soil VOCs Only (M=MeOH B=Bisulfate Sodium W=Water F=Vial Empty E=Encore)

RELINQUISHED BY: Sam Ws. DATE/TIME: 12/1/10 0745 RECEIVED BY: T/S Frydne  
 RELINQUISHED BY: [Signature] DATE/TIME: 12-1-10 155 RECEIVED BY: [Signature]  
 RELINQUISHED BY: [Signature] DATE/TIME: 12-1-10 0800 RECEIVED BY: [Signature]

**Client / Reporting Information**  
 Company Name: Tyke and Bond  
 Address: 213 Court Street Suite 1100  
 City: Middletown CT State: CT Zip: \_\_\_\_\_  
 Report To: Henley Longford E-mail: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Organics	Metals (check all that apply)	Additional Analysis
8260 CT List		
8260 Aromatics		
8260 Halogens		
624		
CT ETPH		
8270 CT List		
8270 PNA's		
PCBs		
Pesticides		
13 Priority Poll		
8 RCRA		
TOTAL		
TCLP		
SPLP		
Field Filtered		
Lab To Filter		
VOC		
PAH		
TOTAL # OF CONT.		
NOTE #		

NOTES: \_\_\_\_\_

Project Contact: Henley Longford Project Information PO #: 166674  
 Project: Broken Sewer Project #: \_\_\_\_\_  
 Location: Groton, CT Collector(s): Frank Tys.

QA/QC:  Std  Site Specific (MS/MSD) \*  RCP Pkg \*  DOAW \*  
 Data Report  PDF  EDD - Specify Format  GA  GB  Other \_\_\_\_\_  
 RSR Reporting Limits (check one)  SWP  Other \_\_\_\_\_  
 Laboratory Certification Needed (check one)  CT  NY  RI  MA  
 Temp Upon Receipt: 1 °C Evidence of Cooling: Y N SHEET 1 OF 1

\* Additional charge may apply. \*\* TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on the next business day. REV. 06/14

**Tighe&Bond**

**APPENDIX E**



**Connecticut Department of  
Energy & Environmental Protection**  
Bureau of Materials Management & Compliance Assurance  
Emergency Response & Spill Prevention Division

# Notification for Underground Storage Tanks

Please complete this form, in accordance with the [instructions](#) (DEEP-UST-INST-001) to ensure the proper handling of your notification. Print or type unless otherwise noted.

**Submit one notification form per site.**

## Part I: Notification and Fee Type

Check the appropriate box(es) identifying the notification type.

CPPU USE ONLY	
App #:	_____
Doc #:	_____
Check #:	_____
Program: UST	

<b>1. LOCATION of UST(s)</b> Name of site: <u>Former Groton Heights School</u> Street Address or Location Description: <u>244 Monument Street</u> City/Town: <u>Groton</u> State: <u>CT</u> Zip Code: <u>06340</u>				
<b>2. Site ID Number: <u>59-868</u></b>				
<b>3. This notification is for:</b> choose i, ii, iii or iv	<b>Fee</b> (a)	<b>No. of Fee exempt tanks (\$0)</b> (b)	<b>*No. of Tanks excluding (b)</b> (c)	<b>Total Fee =</b> (a x c)
<input type="checkbox"/> i) first time site notification [new] <b>(Complete entire application)</b>	\$100.00/ tank [#1032]			
<input type="checkbox"/> ii) annual notification [renewal] with <b>NO</b> modifications <b>(Complete Parts I and VII only)</b>	\$100.00/ tank [#1032]			
<input type="checkbox"/> iii) annual notification [renewal] <b>with</b> modifications, (specify modifications under iv below) <b>(Complete Parts I and VII and modifications only)</b>	\$100.00/ tank [#1032]			
<input checked="" type="checkbox"/> iv) a <b>modification</b> to an existing notification; check any of the following to specify. <b>(Complete Parts I and VII and modifications only)</b>				
<input type="checkbox"/> adding new UST system (Part IV)	\$100.00/ tank [#1032]			

**Part I: Notification and Fee Type (continued)**

3. (modifications continued)	Fee (a)	No. of Fee exempt tanks (\$0) (b)	*No. of Tanks excluding (b) (c)	Total Fee = (a x c)
<input type="checkbox"/> adding an orphan UST system (newly discovered) (Part IV)	\$100.00/ tank [#1032]			
<input type="checkbox"/> update/correction to Part II: owner/operator info/financial responsibility	\$0			
<input type="checkbox"/> transfer of ownership (Part II)	\$0			
<input type="checkbox"/> update/correction to Part III: record info	\$0			
<input type="checkbox"/> update/correction to Part IV: UST system info	\$0			
<input checked="" type="checkbox"/> Permanent Closure of an UST system (Part V)	\$0		1	\$0
<p>* <b>Compartmentalized tanks are counted as one tank.</b></p> <p>* <b>Manifolded or interconnected tanks count as separate tanks</b></p>				<p>*Total Fee \$0</p>
<p>*For municipalities, the 50% discount applies. The notification will not be processed without the fee. The fee shall be non-refundable and shall be paid by check or money order to the Department of Energy and Environmental Protection.</p>				

**Part II: Owner/Operator Information**

- *If an Owner/Operator is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, the applicant's name shall be stated **exactly** as it is registered with the Secretary of State. Please note, for those entities registered with the Secretary of State, the registered name will be the name used by DEEP. This information can be accessed at the Secretary of State's database (CONCORD). ([www.concord-sots.ct.gov/CONCORD/index.jsp](http://www.concord-sots.ct.gov/CONCORD/index.jsp))*
- *If an Owner/Operator is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).*

**1. UST Owner Name:** Town of Groton Department of Public Works

This affiliate is the registrant (check if true):

Mailing Address: 134 Groton Long Point Road

City/Town: Groton State: CT Zip Code: 06340

Business Phone: (860)-448-4083 ext.:

Contact Person: Kristin Doundoulakis Phone: (860)-448-4544 ext.

\*E-mail: [kdoundoulakis@groton-ct.gov](mailto:kdoundoulakis@groton-ct.gov)

\*By providing this e-mail address you are agreeing to receive official correspondence from the department, at this electronic address, concerning the subject application. 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.

## Part II: Owner/Operator Information

a) Business Type (check one):

- individual       federal agency       state agency       municipality       \*\*tribal  
 \*business entity (\*If a business entity complete i through ii):

i) provide Secretary of the State business ID #: \_\_\_\_\_ This information can be accessed at *the Secretary of State's database (CONCORD)*. ([www.concord-sots.ct.gov/CONCORD/index.jsp](http://www.concord-sots.ct.gov/CONCORD/index.jsp))

ii)  Check here if your business is **NOT** registered with the Secretary of State's office.

*\*\*Notification or fee is NOT required for UST systems located on tribal lands.*

### 2. UST Operator, if different than UST owner

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

\*E-mail:

a) Business Type (check one):

- individual       federal agency       state agency       municipality       \*\*tribal  
 \*business entity (\*If a business entity complete i through ii):

i) provide Secretary of the State business ID #: \_\_\_\_\_ This information can be accessed at *the Secretary of State's database (CONCORD)*. ([www.concord-sots.ct.gov/CONCORD/index.jsp](http://www.concord-sots.ct.gov/CONCORD/index.jsp))

ii)  Check here if your business is **NOT** registered with the Secretary of State's office.

*\*\*Notification or fee is NOT required for UST systems located on tribal lands.*

Check if any co-owners/operators. If so, attach additional sheet(s) with the required information as requested above.

### 3. Billing contact, if different than UST owner or operator

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

### 4. Primary contact, if different than UST owner

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

\*E-mail:

\*By providing this e-mail address you are agreeing to receive official correspondence from the department, at this electronic address, concerning the subject application. 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.

**Part II: Owner/Operator Information (continued)**

**5. Property Owner, if different than UST owner**

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

**6. Class A Operator: must be the individual who was trained.**

Name: **Not Applicable, Heating Oil UST**

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Company Name, if applicable:

Approved Training Course: \_\_\_\_\_

Training Date: \_\_\_\_\_  initial or biennial training

**OR**

retraining ordered for non-compliance

Certification Expiration Date: \_\_\_\_\_

Class A Operator's Signature: \_\_\_\_\_

**7. Class B Operator: must be the individual who was trained.**

Name: **Not Applicable, Heating Oil UST**

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Company Name, if applicable:

Approved Training Course: \_\_\_\_\_

Training Date: \_\_\_\_\_  initial or biennial training

**OR**

retraining ordered for non-compliance

Certification Expiration Date: \_\_\_\_\_

Class B Operator's Signature: \_\_\_\_\_

**Part II: Owner/Operator Information (continued)**

**8. Financial Mechanism(s):** Complete the table below identifying the financial assurance mechanism(s) used to demonstrate financial responsibility as specified in the Federal Register. Use the list of surety types below. If an 'other method' is chosen, please specify the method in the table.

- |                                    |                     |  |
|------------------------------------|---------------------|--|
| A. Self Insurance                  | E. Guarantee        | I. Trust Fund                            |
| B. Commercial Insurance            | F. Surety Bond      | J. *State Fund                           |
| C. Risk Retention Group            | G. Letter of Credit | K. Other Method (specify in table below) |
| D. Local Government Financial Test | H. Bond Rating Test |  |

\*Pursuant to section 262 of Public Act 12-1 of the June 12<sup>th</sup> Special Session, the state fund (UST Petroleum Clean-Up Program) will cease to serve as a financial responsibility mechanism on:

- October 1, 2012, for those who own or operate USTs on more than five separate sites; and
- October 1, 2013 for municipalities and for those who own or operate USTs on five or less separate sites.

Name of Insurer	Policy #	Surety Type (insert letter from list above or specify)	Amount of Coverage	Period of Coverage

Owners/Operators shall complete the attached "*Certification of Financial Responsibility Form*" and maintain such completed form at the facility where the storage tank system(s) are located. **THIS FORM DOES NOT NEED TO BE SUBMITTED but must be updated to reflect any changes.**

**Part III: Record Information**

**Off- Site Storage of Records at a Centralized Location**

Does the owner/operator **of more than 10 facilities with UST systems** request to store **certain** records at a centralized location?     Yes     No

If yes, provide the central location address below.

Name of Location:

Address:

City/Town:

State:

Zip Code:

Such records must be immediately available for inspection by the commissioner or the commissioner's designee at any such central location. Please refer to section 22a-449 q CGS; for storage of underground storage tank system records that may be kept at a centralized location or that must be kept on site.

## Part IV: Underground Storage Tank Information

Complete for all tanks and piping at the subject location. Begin by labeling tanks (including compartments, if applicable). Label tanks as required by the instructions. If you have more than 5 tanks in one location, reproduce this section and complete for additional tanks. **You must read the instructions (DEEP-UST-INST-001) in order to properly complete this Part.**

Tank Identification Number ( <i>see instructions</i> )	Tank No.: <u>GH1-R1</u>	Tank No.: _____	Tank No.: _____	Tank No.: _____	Tank No.: _____
<b>Part of a compartmentalized tank</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Part of a manifolded or interconnected tank</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Complete items 1 through 5 for the entire tank- you do not have to complete the columns labeled for compartments.</i>					
<b>1. Status of Tank</b>	Currently in Use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Temporarily Closed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Date Temporarily Closed				
	Permanently Closed ( <i>check here and skip to Part V</i> )	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. Date of Installation of Tank</b> (month/year)					
<b>3. Life Expectancy of Tank</b> (years)					
<b>4. Material of Construction - Tank - check one per tank</b>					
	Asphalt Coated or Bare Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Coated and Cathodically Protected Steel (STI-P3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Composite (Steel clad with Fiberglass)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Jacketed (Steel with Plastic Jacket)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Composite (Steel with Urethane)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fiberglass Reinforced Plastic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other (e.g., concrete, etc.) (please specify)				
<b>5. Construction Type – Tank – check all that apply</b>					
	Lined Interior with Epoxy Coating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Excavation Liner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Double Walled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Single Walled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Tank Manufacturer				
	Check box if tank has ever been repaired	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Complete the following for each compartment or tank.</i>					
<b>6. Emergency Generator Use</b>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7. Estimated Total Capacity</b> (gallons)					
<b>Farm Use</b>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Part IV: Underground Storage Tank Information (continued)**

Tank Identification Number <i>(see instructions)</i>	Tank No.:	Tank No.:	Tank No.:	Tank No.:	Tank No.:
Part of a compartmentalized tank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Part of a manifolded or interconnected tank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>8. Substance Currently Stored (or last stored in the case of closed compartments/tanks)</b> <i>check one per compartment/tank</i>					
Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diesel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kerosene (for resale)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kerosene (on-site consumption)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heating Oil (on-site consumption)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heating Oil (for resale)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Used Oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Biodiesel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E-85	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E-15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If Other, please specify here					
Hazardous Substance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CERCLA name					
CAS Number					
<b>9. Primary Release Detection - check one per compartment/tank</b>					
Annual Precision Tightness Testing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tank Tightness Test with Inventory Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous (Electronic) Interstitial Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ATG - CSLD – Continuous with Inventory Reconciliation/Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ATG - Static with Inventory Reconciliation/Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monthly Groundwater/Vapor Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manual Tank Gauging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monthly Visual Interstitial Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No release detection required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If Other Method, please specify here					

**Part IV: Underground Storage Tank Information (continued)**

Tank Identification Number	Tank No.:	Tank No.:	Tank No.:	Tank No.:	Tank No.:
Part of a compartmentalized tank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Part of a manifolded or interconnected tank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Piping Construction</b>					
<b>10. Piping Installation Date</b>					
<b>11. Piping Material - check one per compartment/tank</b>					
Bare Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Galvanized Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Epoxy Coated Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flexible Plastic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No Piping associated with Tank or Above Ground Only	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fiberglass Reinforced Plastic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-Rigid Plastic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Copper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If Other, please specify here					
<b>12. Piping – Secondary Containment – check all that apply</b>					
Containment Sumps at Dispensers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Containment Sumps at Tanks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>13. Pipe Fitting - check one per compartment/tank</b>					
Metallic Fitting Isolated from Soil and Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Metallic Fitting Cathodically Protected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>14. Construction Type-Piping – check all that apply</b>					
Cathodically Protected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Double Walled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Metallic Piping Isolated form Soil and Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Single Walled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unknown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>15. Piping Type - check one per compartment/tank</b>					
Pressure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
“U.S.” Suction (valve at tank)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gravity Feed Only	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
“Safe” Suction (no valve at tank)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If Other, please specify here					
Check box if piping has ever been repaired	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Part IV: Underground Storage Tank Information (continued)**

Tank Identification Number	Tank No.:	Tank No.:	Tank No.:	Tank No.:	Tank No.:
Part of a compartmentalized tank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Part of a manifolded or interconnected tank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>16. Primary Release Detection - Piping - check one per compartment/tank</b>					
Annual Precision Line Tightness Testing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Precision Line Tightness Testing Every 3 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous (Electronic) Interstitial Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monthly Visual Interstitial Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Groundwater/Vapor Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLLD – Annual .1gph Leak Test	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLLD – Monthly Elec. 0.2gph Leak Testing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No release detection required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If Other Method, please specify here					
<b>17. If piping type is pressure- check one per compartment/tank</b>					
Electronic Auto Line Leak Detectors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mechanical Auto Line Leak Detectors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>18. Spill and Overfill Protection – check all that apply</b>					
Audible Alarm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ball Float Device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flapper Device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spill Prevention Device Installed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Part V: Permanent Tank Closure**

Tank Identification Number	Tank No.:	Tank No.:	Tank No.:	Tank No.:	Tank No.:
Part of a compartmentalized tank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Part of a manifolded or interconnected tank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>1. General Information of Closed Tank</b>					
Date of Installation (month/year)	Sept. 1987				
Estimated Total Capacity (gallons)	3,000				
Estimated date tank closed (month/day/year)	11/30/16				
<b>(check one per tank):</b>					
Tank was removed from ground	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tank was closed in ground	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tank filled with inert material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Describe the inert fill material here					

**Part V: Permanent Tank Closure (continued)**

Tank Identification Number	Tank No.: GH1-R1	Tank No.:	Tank No.:	Tank No.:	Tank No.:
Part of a compartmentalized tank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Part of a manifolded or interconnected tank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Estimated date the UST was last used for storing regulated substances (month/day/year)	11/29/16				
3. Site Assessment					
Required Site Assessment Completed (If Yes, provide consultant/contractor information below)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Consultant/Contractor Name(s)	Tighe & Bond/ETT Environmental Services Inc./B&M Excavating				
Consultant/Contractor Addresses(s)	213 Court Street Middletown CT/235 Old Blue Hills Road Durham, Ct 06422 (ETT)				
Consultant/Contractor Phone(s)	860-704-4760/860-424-6671				
Soil Samples Collected and Analyzed for one or more of the following: VOCs, SVOCs, Metals, ETPH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Groundwater Encountered During Assessment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Groundwater Samples Collected and Analyzed for one or more of the following: VOCs, SVOCs, Metals, ETPH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>*Soil Samples had Constituents of Concern above the following RSR Criteria: – check all that apply</b>					
GA PMC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GB PMC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Res DEC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I/C DEC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
* If any boxes were checked above, include a table summarizing the data and highlighting the exceedances (See R.C.S.A. Sections 22a-133k-1 through 3 for definitions).					
<b>*Groundwater Samples had Constituents of Concern above the following RSR Criteria: – check all that apply</b>					
GWPC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SWPC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Res GWVC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I/C GWVC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
* If any boxes were checked above, include a table summarizing the data and highlighting the exceedances (See R.C.S.A. Sections 22a-133k-1 through 3 for definitions).					
Remedial Actions Recommended by Environmental Consultant/Contractor If box is checked, a closure report must be submitted to the LUST Coordination Program for evaluation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Remedial Actions Completed If box is checked, a closure report must be submitted to the LUST Coordination Program for evaluation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



## Part VII: Owner/Operator Certification

The owner/operator *and* the individual(s) responsible for actually preparing the notification must sign this part. A notification will be considered incomplete unless all required signatures are provided.

<p>“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief.</p> <p>I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute.</p> <p>I certify that I have completed a <i>Certification of Financial Responsibility Form</i> and such completed form is maintained on-site.</p> <p>I also certify that this underground storage tank notification is on complete and accurate forms as prescribed by the commissioner without alteration of the text.”</p>	
<hr/> Signature of Owner/Operator	<hr/> Date
<hr/> Name of Owner/Operator (print or type)	<hr/> Title (if applicable)
<hr/> Signature of Preparer (if different than above)	<hr/> Date
<hr/> Name of Preparer (print or type)	<hr/> Title (if applicable)
<input type="checkbox"/> Check here if additional signatures are required. If so, please reproduce this sheet and attach signed copies to this sheet.	

Note: Please submit a completed Underground Storage Tank Notification and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT  
 DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION  
 79 ELM STREET  
 HARTFORD, CT 06106-5127

***A copy of all completed Notification Forms must be maintained on site and the most recent completed form must also be forwarded to the local fire marshal.***

If you have any questions, please contact the UST Program at 860-424-3374 or by e-mail ([DEEP.USTFee@ct.gov](mailto:DEEP.USTFee@ct.gov))



**Connecticut Department of  
Energy & Environmental Protection**  
Bureau of Materials Management & Compliance Assurance  
Emergency Response & Spill Prevention Division

## Certification of Financial Responsibility

Owners/operators of underground storage tank systems regulated under CGS section 22a-449(d) shall complete this form to demonstrate financial responsibility as required by R.C.S.A. section 22a-449(d)-109. This completed form shall be maintained at the facility where the storage tank system(s) is located. Records kept off site, in accordance with CGS section 22a-449q shall be made available immediately upon request.

<b>1. LOCATION of UST(s)</b> Name of site: _____ Street Address or Location Description: _____ City/Town: _____ State: _____ Zip Code: _____				
<b>2. Site ID Number:</b> _____				
<b>3. Financial Mechanism(s):</b> Complete the table below identifying the financial assurance mechanism(s) used to demonstrate financial responsibility as specified in the Federal Register. Use the list of surety types below. If an 'other method' is chosen, please specify the method in the table.				
A. Self Insurance	E. Guarantee	I. Trust Fund		
B. Commercial Insurance	F. Surety Bond	J. *State Fund		
C. Risk Retention Group	G. Letter of Credit	K. Other Method (specify in table below)		
D. Local Government Financial Test	H. Bond Rating Test			
*Pursuant to section 262 of Public Act 12-1 of the June 12 <sup>th</sup> Special Session, the state fund (UST Petroleum Clean-Up Program) will cease to serve as a financial responsibility mechanism on:				
<ul style="list-style-type: none"> <li>• October 1, 2012, for those who own or operate USTs on more than five separate sites; and</li> <li>• October 1, 2013 for municipalities and for those who own or operate USTs on five or less separate sites.</li> </ul>				
Name of Insurer	Policy #	Surety Type (insert letter from list above or specify)	Amount of Coverage	Period of Coverage

# Certification of Financial Responsibility (continued)

The Owner/Operator must sign this certification along with either a witness or notary.

<p>“I certify that this facility is in compliance with the requirements of the federal financial responsibility rules as referenced in R.C.S.A. section 22a-449(d)-109. Compliance includes taking corrective action and compensating third parties for bodily injury and property damage caused by a discharge from the storage tank system(s) at this location.</p> <p>I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based upon a reasonable investigation, the submitted information is true and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense under section 53a-157b of the General Statutes or any other applicable statute.”</p>	
Signature of Owner/Operator	Date
Printed Name of Owner/Operator	Title
Signature of Witness or Notary	Date
Printed Name of Witness or Notary	

This certification form must be updated whenever the financial insurance mechanism(s) used to demonstrate financial responsibility changes.

If you have any questions, please contact the UST Program at 860-424-3374 or by e-mail ([DEEP.USTFee@ct.gov](mailto:DEEP.USTFee@ct.gov))