

February 4th, 2022

Dan Martin
Shanner Luxury Homes
PO Box 10711
Bedford, NH 03110
dan@shannerluxuryhomes.com

Phase II - Soil and Groundwater Quality Investigation
50 Newfields Road
Exeter, New Hampshire

Dear Mr. Martin,

John Turner Consulting, Inc. (JTC) has completed a Phase II - Soil and Groundwater Quality Investigation at the referenced property. Our work was performed in general accordance with JTC's December 15th, 2021, proposal, the scope of which was approved by Dan Martin of Shanner Luxury Homes.

BACKGROUND

A Phase I Environmental Site Assessment (ESA) was completed in accordance with American Society for Testing and Materials (ASTM) standard E-1527-13 by JTC at the property dated January 4th, 2022. Figures 1 and 2 from the ESA are attached and illustrate the site location and parcel/lot boundaries of the site and surrounding area.

The ESA noted the presence of evidence of a historic Drycleaner on the Target Property between 1927 and 1967 which represented a Historical Recognized Environmental Conditions (HREC) to the Target Property. There were no historical records found on the Drycleaner from the Exeter Fire Department, Exeter Town Hall, ERIS Database, or NHDES One Stop Database. Interviews with the current property owner indicate that there was a dry-cleaning operation on-site between the referenced dates. The dry-cleaning building has been demolished and only the concrete foundation remains. Chlorinated Hydrocarbons were introduced in the dry-cleaning industry in the 1930's, and its use was relatively unregulated until the early 1970's. The introduction of Fluorinated Hydrocarbons in the 1960's also represent concern within dry-cleaning facilities that operated during this time. As these chemicals were regularly used during the time that the dry-cleaning operations occurred on the Target Property, JTC recommended a limited Phase 2 Investigation based on this information. This work plan was reviewed and approved by Mr. Martin on December 15th, 2021 (in conjunction with the Phase 1 ESA Report).

WORK COMPLETED

JTC supervised the completion of the following activities associated with this limited Phase II site investigation:

- A subsurface investigation consisting of the drilling of six (6) soil borings and sampling of three (3) soil boring; and,
-

- Developing of three (3) temporary groundwater monitoring wells and sampling of three (3) groundwater monitoring wells; and,
- Laboratory analyses of select soil sample in accordance with JTC's executed scope of work and proposal.
- Indoor air screening in existing building for VOCs

Soil Boring Completion and Soil Sampling

Borings B-1 through B-6 were advanced using direct-push methods with a Geoprobe 7822DT drill rig and sampled on January 26th, 2021. Three soil boring locations were selected in the area of the former dry-cleaning building, and three additional locations were selected down gradient from the former structure. Please see the attached boring location plan (Figure 3) for approximate locations of each boring.

Continuous soil samples were collected during the advancement of each boring to depths of between 15 to 20 feet below ground surface (BSG). Materials encountered consisted generally of light brown to brown fine to medium silty sand with some gravel and cobbles. Deeper borings exhibited increasing gravel and cobbles. Soil samples showed no staining, odors, or PID readings were detected. Soil Boring Logs are included as Appendix A.

Collected soil samples were first visually inspected for apparent indications of residual contaminants, and then field-screened with a photoionization detector (PID) to detect the presence of total volatile organic compounds (VOC) as benzene in parts per million-volume (ppm-v). The field PID screening results showed readings of total volatile organic compounds between 0 and 0.3 ppm, which are indicative of background readings (no detections). Complete table of PID readings are provided below:

TABLE 1: PID READINGS

PID READINGS	B-1	B-2	B-3	B-4	B-5	B-6
0-5'	0.0 ppm	0.0 ppm	0.1 ppm	0.0 ppm	0.2 ppm	0.0 ppm
5-10'	0.0 ppm	0.0 ppm	0.0 ppm	0.0 ppm	0.0 ppm	0.0 ppm
10-15'	0.0 ppm	0.0 ppm	0.3 ppm	0.0 ppm	0.0 ppm	0.0 ppm
15-20'	0.0 ppm	0.0 ppm	0.2 ppm	Refusal	Refusal	0.0 ppm

Based on the field PID screening, visual observation, and soil characteristics, JTC believes that the soil borings sampled had not been impacted by dry cleaning operations from past releases.

Confirmatory soil samples were taken from borings B-1 (6-7'), B-2 (10-11') and B-3 (10-11') at the soil-groundwater interface. These samples were submitted to Pace Laboratories in East Long Meadow, MA for Volatile Organic Compounds (VOC) via EPA Method 8260 analysis. **No volatile organic compounds were detected in any samples.** Complete analysis report is provided in Appendix B.

Temporary Well Point Installation

Following the completion of boring program, three of the borings were developed as temporary monitoring wells for groundwater sampling. Borings B-1, B-2 and B-4 were selected to be developed relative to their location and gradient to the former structure. Temporary wells TW-1, TW-2 and TW-4 were developed from the boring locations. Well depth, and depth to groundwater is provided in Table 2 below:

TABLE 2: GROUNDATER DEPTH READINGS

Ground Water Depth	B-1/TW-1	B-2/TW-2	B-3	B-4/TW-4	B-5	B-6
Well Depth	12.0'	11.0'	-	11.0'	-	-
Depth to Groundwater	4.68'	5.34'	5.20'	5.70'	7.50'	8.2'

The well point was allowed to equilibrate for at least 60 minutes prior to sampling. Sampling was completed with new, disposable polyethylene 1.60" bailer.

Groundwater samples were then collected from each well point and then transferred to laboratory-supplied glassware/vials; placed on ice in a cooler under chain of custody; and delivered to Pace Analytical Testing of East Longmeadow, Massachusetts. The collected groundwater samples were submitted for Volatile Organic Compounds (VOC) via EPA Method 8260 analysis. **No volatile organic compounds were detected in any samples.** Complete analysis report is provided in Appendix B.

Indoor Air Screening

In addition to the subsurface exploration program, JTC also completed an indoor air screening inside the lower level of the buildings on this site. JTC used a PID to screen the indoor air with a focus on any floor penetrations that could lead to vapor intrusion into the building. No elevated levels were detected during this screening event.

FINDINGS AND CONCLUSIONS

The results of this investigation are summarized as follows:

1. Phase 1 ESA:

- Historic Dry-Cleaning Operations:
 - The Phase 1 ESA completed on January 4th, 2022, identified the presence of a former dry-cleaning business which operated at the target property from 1927 to 1967.
 - Based on the historic use, and the demolition of the structure, a limited Phase 2 Investigation was conducted.

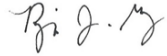
2. Soil Borings:

- Soil Conditions: Assessed via borings B-1 through B-6. No soil staining, odors or PID readings were observed in any of the borings. Laboratory analysis of three soil samples indicated no-detections of volatile organic compounds within the tested samples.
 - Groundwater Conditions: Groundwater was sampled from temporary well points TW-1, TW-2 and TW-4. Laboratory analysis of three groundwater samples indicated no-detections of volatile organic compounds within the tested samples.
 - Indoor Air: Screening of indoor air did not identify any elevated levels of VOCs in the building.
 - Conclusions and Recommendations: The results of the investigation did not identify any contamination related to the former dry cleaner operations.
 - Future development: Should the property be re-developed, or demolished, a qualified environmental consultant should be retained to observe the excavation to ensure no contaminated soil is identified. No further investigation is warranted for the subject property.
-

We are available to discuss this report and our findings/recommendations at your convenience and appreciate this opportunity to be of service. If you have any questions regarding this report, please do not hesitate to contact me at (207)-319-0390 or matthewp@consultjtc.com

Respectfully,

John Turner Consulting, Inc.



Benjamin J. Grigas, PG, CG
SVP, Professional Services



Matthew Pellerin
Project Engineer/Scientist

LIST OF ATTACHMENTS

FIGURES AND PHOTOS

Figure 1	Site Location Map
Figure 2	Site Parcel Map
Figure 3	Boring Location Plan

Photolog

ATTACHMENTS

Appendix A	Soil Boring Logs
Appendix B	Pace Analytical Laboratory Soil Sample Results

Figures and Photos



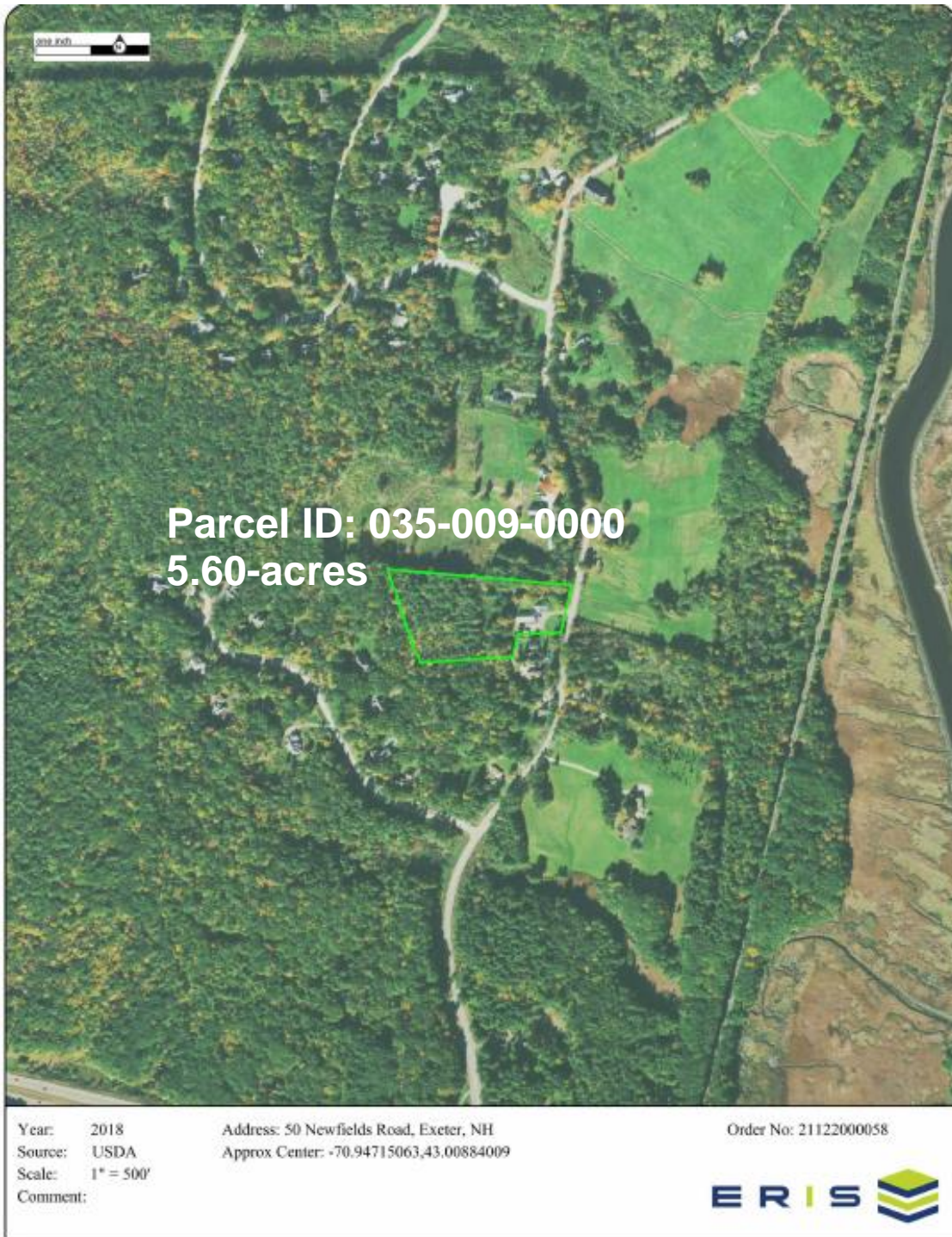
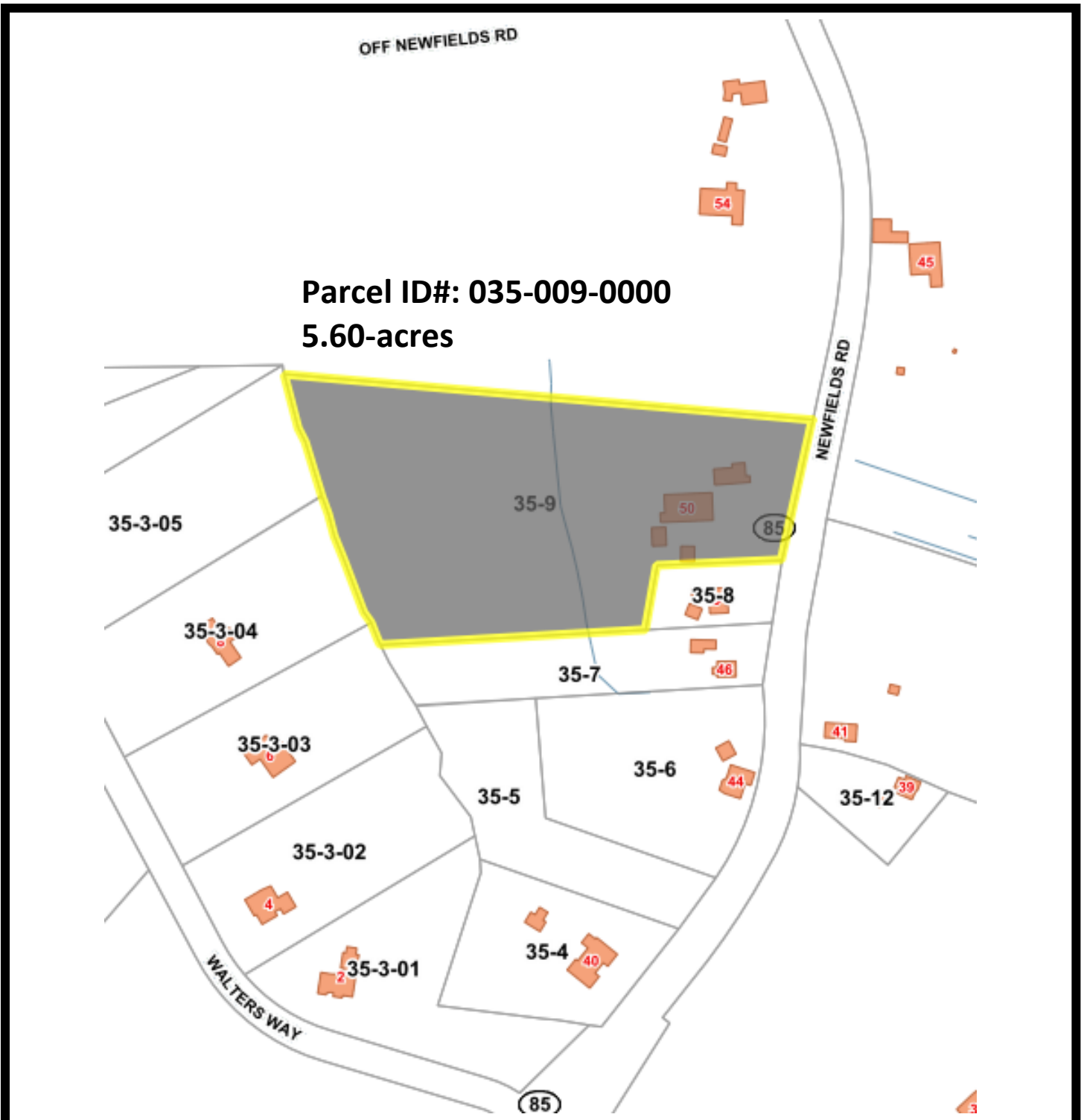


FIGURE 1 – SITE LOCATION MAP

**50 Newfield's Road
Exeter, New Hampshire
Job #: 21-03-126**

Phase 2 – January 2022



Parcel ID#: 035-009-0000
5.60-acres

FIGURE 2 – SITE LOCATION MAP

50 Newfield's Road
Exeter, New Hampshire
Job #: 21-03-126

Phase 2 – January 2022





Notes:

1. Test borings were performed on January 26th 2022 under the direction of JTC.
2. Test boring locations should be considered approximate.
3. Refer to the Test Boring Logs for the subsurface conditions encountered at each boring location.
4. Not to scale.

**Shanner Luxury Homes
PO Box 10711
Bedford, NH 03110**

**Former Dry Cleaner
50 Newfields Road
Exeter, New Hampshire**



TEST BORING LOCATION PLAN

**Phase 2 Investigation
50 Newfield's Road
Exeter, New Hampshire**

SITE PHOTOGRAPHS



Site Facing north With Geoprobe Setup



Geoprobe sample of silty sand (SM) with little gravel



Geoprobe sample of silty sand (SM) with some gravel



Geoprobe sample of silty sand (SM) with some gravel



**Geoprobe sample of silty sand (SM) with frequent
cobbles**



Geoprobe sample of topsoil (TS) and silty sand (SM)

Appendix A

Boring Logs



DRILL HOLE LOG

PROJECT: Phase 2 Investigation

PROJECT NO.: 21-03-126

CLIENT: Shanner Luxury Homes

DATE: 1/27/2022

LOCATION: 50 Newfield's Road, Exeter, NH

ELEVATION:

DRILLER: TDS

LOGGED BY: Graham C.

DRILLING METHOD: GeoProbe

DEPTH TO - WATER> INITIAL: 7.0 AFTER 24 HOURS: CAVING> C

File: 21-03-126 Phase 2 Investigation_50 Newfield's Road Exeter NH.dwg Date: 1/28/2022

This information pertains only to this boring and should not be interpreted as being indicative of the site.

DEPTH (meters)	DEPTH (feet)	Description	SOIL TYPE	TEST RESULTS		MONITOR WELL INSTALLATION DETAILS
				Plastic Limit	Liquid Limit	
0	0	Black top soil, few organics.				
0.5	2.5	Light Brown silty-sand, little gravel. PID: 0.0ppm				
1	5	Light Brown silty-sand, some Gravel. Occ. Cobbles PID: 0.0ppm				
1.5	7.5					
2	10	Light Brown silty-sand, some Gravel Frequent Cobbles PID: 0.0ppm				
2.5	12.5					
3	15					
3.5	17.5					
4						
4.5						
5		Refusal at 16.0ft				
5.5						

DRILL HOLE LOG

PROJECT: Phase 2 Investigation

PROJECT NO.: 21-03-126

CLIENT: Shanner Luxury Homes

DATE: 1/27/2022

LOCATION: 50 Newfield's Road, Exeter, NH

ELEVATION:

DRILLER: TDS

LOGGED BY: Graham C.

DRILLING METHOD: GeoProbe

DEPTH TO - WATER> INITIAL: 11.0 AFTER 24 HOURS: CAVING> C

File: 21-03-126 Phase 2 Investigation_50 Newfield's Road_1/28/2022

This information pertains only to this boring and should not be interpreted as being indicative of the site.

DEPTH (meters)	DEPTH (feet)	Description	SOIL TYPE	SAMPLERS	TEST RESULTS		MONITOR WELL INSTALLATION DETAILS
					Plastic Limit	Liquid Limit	
0	0	Black top soil, little organics.					
0.5		Light Brown silty-sand, trace gravel. Crushed stone in sample					
	2.5	PID: 0.0ppm					
1							
1.5	5	Light Brown silty-sand, some gravel. Occ. Cobbles					
2		PID: 0.0ppm					
	7.5						
2.5							
3	10	Light Brown silty-sand, some gravel Frequent Cobbles					
3.5		PID: 0.0ppm					
	12.5						
4							
4.5	15						
5		Refusal at 16.0ft					
	17.5						
5.5							

DRILL HOLE LOG

PROJECT: Phase 2 Investigation

PROJECT NO.: 21-03-126

CLIENT: Shanner Luxury Homes

DATE: 1/27/2022

LOCATION: 50 Newfield's Road, Exeter, NH

ELEVATION:

DRILLER: TDS

LOGGED BY: Graham C.

BORING NO. B-3

DRILLING METHOD: GeoProbe

DEPTH TO - WATER> INITIAL: 11.0 AFTER 24 HOURS: CAVING> C

File: 21-03-126 Phase 2 Investigation_50 Newfield's Rd.dwg Date: 1/28/2022

This information pertains only to this boring and should not be interpreted as being indicative of the site.

DEPTH (meters)	DEPTH (feet)	Description	SOIL TYPE	TEST RESULTS			MONITOR WELL INSTALLATION DETAILS	
				Plastic Limit	Water Content -	Liquid Limit		
					Penetration -			
				10	20	30	40	50
0	0	Black top soil, trace gravel, few organics.						
0.5	2.5	Light Brown silty-sand, little gravel. PID: 0.1ppm						
1								
1.5	5	Light Brown silty-sand, some gravel. Occ. Cobbles PID: 0.0ppm						
2								
2.5								
3	10	Light Brown silty-sand, some gravel Frequent Cobbles PID: 0.3ppm						
3.5								
4								
4.5	15	Brown sandy-silt, poorly graded gravel Frequent Cobbles PID: 0.2ppm						
5								
5.5	17.5	Refusal at 17.0ft						

DRILL HOLE LOG

PROJECT: Phase 2 Investigation

PROJECT NO.: 21-03-126

CLIENT: Shanner Luxury Homes

DATE: 1/27/2022

LOCATION: 50 Newfield's Road, Exeter, NH

ELEVATION:

DRILLER: TDS

LOGGED BY: Graham C.

BORING NO. B-4/TW-4

DRILLING METHOD: GeoProbe

DEPTH TO - WATER> INITIAL: 7.0 AFTER 24 HOURS: CAVING> C

File: 21-03-126 Phase 2 Investigation_50 Newfield's Rd.dwg Date: 1/28/2022

This information pertains only to this boring and should not be interpreted as being indicative of the site.

DEPTH (meters)	DEPTH (feet)	Description	SOIL TYPE	SAMPLERS	TEST RESULTS		MONITOR WELL INSTALLATION DETAILS
					Plastic Limit	Liquid Limit	
0	0	Light Brown silty-sand, little gravel. PID: 0.0ppm	[Soil Type Symbol]	[Sampler Symbols]	Water Content - ●		
0.5							
2.5							
1		Light Brown silty-sand, some gravel. Occ. Cobbles PID: 0.0ppm	[Soil Type Symbol]	[Sampler Symbols]	Penetration - ▨		
1.5	5						
2							
2.5		Refusal at 14.0ft	[Soil Type Symbol]	[Sampler Symbols]			
3	10						
3.5							
4							
4.5	15						
5							
5.5							

DRILL HOLE LOG

PROJECT: Phase 2 Investigation

PROJECT NO.: 21-03-126

CLIENT: Shanner Luxury Homes

DATE: 1/27/2022

LOCATION: 50 Newfield's Road, Exeter, NH

ELEVATION:

DRILLER: TDS

LOGGED BY: Graham C.

BORING NO. B-5

DRILLING METHOD: GeoProbe

DEPTH TO - WATER> INITIAL: 9.0 AFTER 24 HOURS: CAVING> C

File: 21-03-126 Phase 2 Investigation_50 Newfield's Road Exeter NH.dwg Date: 1/28/2022

This information pertains only to this boring and should not be interpreted as being indicative of the site.

DEPTH (meters)	DEPTH (feet)	Description	SOIL TYPE	TEST RESULTS			MONITOR WELL INSTALLATION DETAILS
				Plastic Limit	Water Content -	Liquid Limit	
0	0	Brown sandy-gravel	[Pattern]				
0.5	2.5	Light Brown silty-sand, some gravel PID: 0.2-ppm					
1.5	5	Light Brown silty-sand, some gravel PID: 0.0ppm	[Pattern]				
2	7.5						
3	10	Light Brown silty-clay, trace gravel PID: 0.0ppm	[Pattern]				
3.5	11.0	Refusal at 11.0ft					
4	12.5						
4.5	15						
5							
5.5	17.5						

DRILL HOLE LOG

PROJECT: Phase 2 Investigation

PROJECT NO.: 21-03-126

CLIENT: Shanner Luxury Homes

DATE: 1/27/2022

LOCATION: 50 Newfield's Road, Exeter, NH

ELEVATION:

DRILLER: TDS

LOGGED BY: Graham C.

BORING NO. B-6

DRILLING METHOD: GeoProbe

DEPTH TO - WATER> INITIAL: 7.0 AFTER 24 HOURS: CAVING> C

File: 21-03-126 Phase 2 Investigation_50 Newfield's Rd.dwg Date: 1/28/2022

This information pertains only to this boring and should not be interpreted as being indicative of the site.

DEPTH (meters)	DEPTH (feet)	Description	SOIL TYPE	SAMPLERS	TEST RESULTS		MONITOR WELL INSTALLATION DETAILS
					Plastic Limit	Liquid Limit	
0	0	Black silty-sand, some gravel					
		Light Brown silty-sand, some gravel					
0.5		PID:0.0ppm					
	2.5						
1							
		Brown silty-sand, some gravel					
1.5	5	PID: 0.0ppm					
2							
	7.5						
2.5							
		Brown silty-sand, some gravel					
3	10	Occ. Cobbles					
3.5		PID:0.0ppm					
	12.5						
4		Refusal at 12.5ft					
4.5	15						
5							
	17.5						
5.5							

Appendix B

PACE Analytical Results

January 31, 2022

Matthew Pellerin
John Turner Consulting
19 Dover Street
Dover, NH 03820

Project Location: Exeter, NH
Client Job Number:
Project Number: 21-03-126
Laboratory Work Order Number: 22A1519

Enclosed are results of analyses for samples as received by the laboratory on January 27, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Matthew J Beaupre
Project Manager

Table of Contents

Sample Summary	3
Case Narrative	4
Sample Results	5
22A1519-01	5
22A1519-02	7
22A1519-03	9
22A1519-04	11
22A1519-05	14
22A1519-06	17
Sample Preparation Information	20
QC Data	21
Volatile Organic Compounds by GC/MS	21
B299902	21
B299915	25
Flag/Qualifier Summary	31
Certifications	32
Chain of Custody/Sample Receipt	36

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

 John Turner Consulting
 19 Dover Street
 Dover, NH 03820
 ATTN: Matthew Pellerin

REPORT DATE: 1/31/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 21-03-126

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22A1519

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

PROJECT LOCATION: Exeter, NH

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TW-1	22A1519-01	Ground Water		SW-846 8260D	
TW-2	22A1519-02	Ground Water		SW-846 8260D	
TW-4	22A1519-03	Ground Water		SW-846 8260D	
B-1 (6-7)	22A1519-04	Soil		SM 2540G	
				SW-846 8260D	
B-2 (10-11)	22A1519-05	Soil		SM 2540G	
				SW-846 8260D	
B-3 (10-11)	22A1519-06	Soil		SM 2540G	
				SW-846 8260D	

CASE NARRATIVE SUMMARY

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

SW-846 8260D

Qualifications:

V-05

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

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12)

22A1519-04[B-1 (6-7)], 22A1519-05[B-2 (10-11)], 22A1519-06[B-3 (10-11)], B299902-BLK1, B299902-BS1, B299902-BSD1, S067772-CCV1

V-20

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

Analyte & Samples(s) Qualified:

Acrylonitrile

B299902-BS1, B299902-BSD1, S067772-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Tod E. Kopycinski
Laboratory Director

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

Project Location: Exeter, NH

Sample Description:

Work Order: 22A1519

Date Received: 1/27/2022

Field Sample #: TW-1

Sampled: 1/26/2022 14:00

Sample ID: 22A1519-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH

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

Project Location: Exeter, NH

Sample Description:

Work Order: 22A1519

Date Received: 1/27/2022

Field Sample #: TW-1

Sampled: 1/26/2022 14:00

Sample ID: 22A1519-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 14:40	EEH
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		109	70-130					1/28/22 14:40	
Toluene-d8		99.7	70-130					1/28/22 14:40	
4-Bromofluorobenzene		96.7	70-130					1/28/22 14:40	

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

Project Location: Exeter, NH

Sample Description:

Work Order: 22A1519

Date Received: 1/27/2022

Field Sample #: TW-2

Sampled: 1/26/2022 13:30

Sample ID: 22A1519-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH

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

Project Location: Exeter, NH

Sample Description:

Work Order: 22A1519

Date Received: 1/27/2022

Field Sample #: TW-2

Sampled: 1/26/2022 13:30

Sample ID: 22A1519-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:07	EEH
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		107	70-130					1/28/22 15:07	
Toluene-d8		99.8	70-130					1/28/22 15:07	
4-Bromofluorobenzene		98.2	70-130					1/28/22 15:07	

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

Project Location: Exeter, NH

Sample Description:

Work Order: 22A1519

Date Received: 1/27/2022

Field Sample #: TW-4

Sampled: 1/26/2022 12:15

Sample ID: 22A1519-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH

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

Project Location: Exeter, NH

Sample Description:

Work Order: 22A1519

Date Received: 1/27/2022

Field Sample #: TW-4

Sampled: 1/26/2022 12:15

Sample ID: 22A1519-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 15:34	EEH
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		109	70-130					1/28/22 15:34	
Toluene-d8		99.0	70-130					1/28/22 15:34	
4-Bromofluorobenzene		95.6	70-130					1/28/22 15:34	

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

Project Location: Exeter, NH

Sample Description:

Work Order: 22A1519

Date Received: 1/27/2022

Field Sample #: B-1 (6-7)

Sampled: 1/26/2022 12:50

Sample ID: 22A1519-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Acrylonitrile	ND	0.0036	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Benzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Bromobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Bromochloromethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Bromodichloromethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Bromoform	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Bromomethane	ND	0.0059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
2-Butanone (MEK)	ND	0.024	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
tert-Butyl Alcohol (TBA)	ND	0.059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
n-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
sec-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
tert-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Carbon Disulfide	ND	0.0059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Carbon Tetrachloride	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Chlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Chlorodibromomethane	ND	0.00059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Chloroethane	ND	0.012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Chloroform	ND	0.0024	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Chloromethane	ND	0.0059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
2-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
4-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,2-Dibromoethane (EDB)	ND	0.00059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Dibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,2-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,3-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,4-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
trans-1,4-Dichloro-2-butene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.012	mg/Kg dry	1	V-05	SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,1-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,2-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,1-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
cis-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
trans-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,2-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,3-Dichloropropane	ND	0.00059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
2,2-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,1-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
cis-1,3-Dichloropropene	ND	0.00059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
trans-1,3-Dichloropropene	ND	0.00059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Diethyl Ether	ND	0.012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF

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

Project Location: Exeter, NH

Sample Description:

Work Order: 22A1519

Date Received: 1/27/2022

Field Sample #: B-1 (6-7)

Sampled: 1/26/2022 12:50

Sample ID: 22A1519-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,4-Dioxane	ND	0.059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Ethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Hexachlorobutadiene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
2-Hexanone (MBK)	ND	0.012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Isopropylbenzene (Cumene)	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Methyl Acetate	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0024	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Methyl Cyclohexane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Methylene Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Naphthalene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
n-Propylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Styrene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,1,1,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,1,2,2-Tetrachloroethane	ND	0.00059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Tetrachloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Tetrahydrofuran	ND	0.0059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Toluene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,2,3-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,2,4-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,3,5-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,1,1-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,1,2-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Trichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,2,3-Trichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,2,4-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
1,3,5-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Vinyl Chloride	ND	0.0059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
m+p Xylene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
o-Xylene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:21	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		116	70-130					1/28/22 10:21	
Toluene-d8		103	70-130					1/28/22 10:21	
4-Bromofluorobenzene		101	70-130					1/28/22 10:21	

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

Project Location: Exeter, NH

Sample Description:

Work Order: 22A1519

Date Received: 1/27/2022

Sampled: 1/26/2022 12:50

Field Sample #: B-1 (6-7)
Sample ID: 22A1519-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.2		% Wt	1		SM 2540G	1/28/22	1/28/22 14:51	WAT

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

Project Location: Exeter, NH

Sample Description:

Work Order: 22A1519

Date Received: 1/27/2022

Field Sample #: B-2 (10-11)

Sampled: 1/26/2022 12:40

Sample ID: 22A1519-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.051	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Acrylonitrile	ND	0.0030	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00051	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Benzene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Bromobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Bromochloromethane	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Bromodichloromethane	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Bromoform	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Bromomethane	ND	0.0051	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
2-Butanone (MEK)	ND	0.020	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
tert-Butyl Alcohol (TBA)	ND	0.051	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
n-Butylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
sec-Butylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
tert-Butylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00051	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Carbon Disulfide	ND	0.0051	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Carbon Tetrachloride	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Chlorobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Chlorodibromomethane	ND	0.00051	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Chloroethane	ND	0.010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Chloroform	ND	0.0020	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Chloromethane	ND	0.0051	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
2-Chlorotoluene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
4-Chlorotoluene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,2-Dibromoethane (EDB)	ND	0.00051	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Dibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,2-Dichlorobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,3-Dichlorobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,4-Dichlorobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
trans-1,4-Dichloro-2-butene	ND	0.0020	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.010	mg/Kg dry	1	V-05	SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,1-Dichloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,2-Dichloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,1-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
cis-1,2-Dichloroethylene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
trans-1,2-Dichloroethylene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,2-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,3-Dichloropropane	ND	0.00051	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
2,2-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,1-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
cis-1,3-Dichloropropene	ND	0.00051	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
trans-1,3-Dichloropropene	ND	0.00051	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Diethyl Ether	ND	0.010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF

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

Project Location: Exeter, NH

Sample Description:

Work Order: 22A1519

Date Received: 1/27/2022

Field Sample #: B-2 (10-11)

Sampled: 1/26/2022 12:40

Sample ID: 22A1519-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00051	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,4-Dioxane	ND	0.051	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Ethylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Hexachlorobutadiene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
2-Hexanone (MBK)	ND	0.010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Isopropylbenzene (Cumene)	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Methyl Acetate	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0020	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Methyl Cyclohexane	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Methylene Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Naphthalene	ND	0.0020	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
n-Propylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Styrene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,1,1,2-Tetrachloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,1,2,2-Tetrachloroethane	ND	0.00051	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Tetrachloroethylene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Tetrahydrofuran	ND	0.0051	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Toluene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,2,3-Trichlorobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,2,4-Trichlorobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,3,5-Trichlorobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,1,1-Trichloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,1,2-Trichloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Trichloroethylene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0051	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,2,3-Trichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0051	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,2,4-Trimethylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
1,3,5-Trimethylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Vinyl Chloride	ND	0.0051	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
m+p Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
o-Xylene	ND	0.0010	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 10:46	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		117	70-130					1/28/22 10:46	
Toluene-d8		101	70-130					1/28/22 10:46	
4-Bromofluorobenzene		101	70-130					1/28/22 10:46	

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

Project Location: Exeter, NH

Sample Description:

Work Order: 22A1519

Date Received: 1/27/2022

Field Sample #: B-2 (10-11)

Sampled: 1/26/2022 12:40

Sample ID: 22A1519-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.2		% Wt	1		SM 2540G	1/28/22	1/28/22 14:52	WAT

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

Project Location: Exeter, NH

Sample Description:

Work Order: 22A1519

Date Received: 1/27/2022

Field Sample #: B-3 (10-11)

Sampled: 1/26/2022 13:00

Sample ID: 22A1519-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Acrylonitrile	ND	0.0035	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Benzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Bromobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Bromochloromethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Bromodichloromethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Bromoform	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Bromomethane	ND	0.0059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
2-Butanone (MEK)	ND	0.024	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
tert-Butyl Alcohol (TBA)	ND	0.059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
n-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
sec-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
tert-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Carbon Disulfide	ND	0.0059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Carbon Tetrachloride	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Chlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Chlorodibromomethane	ND	0.00059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Chloroethane	ND	0.012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Chloroform	ND	0.0024	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Chloromethane	ND	0.0059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
2-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
4-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,2-Dibromoethane (EDB)	ND	0.00059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Dibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,2-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,3-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,4-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
trans-1,4-Dichloro-2-butene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.012	mg/Kg dry	1	V-05	SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,1-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,2-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,1-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
cis-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
trans-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,2-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,3-Dichloropropane	ND	0.00059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
2,2-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,1-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
cis-1,3-Dichloropropene	ND	0.00059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
trans-1,3-Dichloropropene	ND	0.00059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Diethyl Ether	ND	0.012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF

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

Project Location: Exeter, NH

Sample Description:

Work Order: 22A1519

Date Received: 1/27/2022

Field Sample #: B-3 (10-11)

Sampled: 1/26/2022 13:00

Sample ID: 22A1519-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,4-Dioxane	ND	0.059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Ethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Hexachlorobutadiene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
2-Hexanone (MBK)	ND	0.012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Isopropylbenzene (Cumene)	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Methyl Acetate	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0024	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Methyl Cyclohexane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Methylene Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Naphthalene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
n-Propylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Styrene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,1,1,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,1,2,2-Tetrachloroethane	ND	0.00059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Tetrachloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Tetrahydrofuran	ND	0.0059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Toluene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,2,3-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,2,4-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,3,5-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,1,1-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,1,2-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Trichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,2,3-Trichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,2,4-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
1,3,5-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Vinyl Chloride	ND	0.0059	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
m+p Xylene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
o-Xylene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	1/28/22	1/28/22 11:12	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		118	70-130					1/28/22 11:12	
Toluene-d8		101	70-130					1/28/22 11:12	
4-Bromofluorobenzene		98.6	70-130					1/28/22 11:12	

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

Project Location: Exeter, NH

Sample Description:

Work Order: 22A1519

Date Received: 1/27/2022

Field Sample #: B-3 (10-11)

Sampled: 1/26/2022 13:00

Sample ID: 22A1519-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.9		% Wt	1		SM 2540G	1/28/22	1/28/22 14:52	WAT

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

Sample Extraction Data
Prep Method: % Solids Analytical Method: SM 2540G

Lab Number [Field ID]	Batch	Date
22A1519-04 [B-1 (6-7)]	B299907	01/28/22
22A1519-05 [B-2 (10-11)]	B299907	01/28/22
22A1519-06 [B-3 (10-11)]	B299907	01/28/22

Prep Method: SW-846 5035 Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
22A1519-04 [B-1 (6-7)]	B299902	9.46	10.0	01/28/22
22A1519-05 [B-2 (10-11)]	B299902	11.1	10.0	01/28/22
22A1519-06 [B-3 (10-11)]	B299902	9.54	10.0	01/28/22

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22A1519-01 [TW-1]	B299915	5	5.00	01/28/22
22A1519-02 [TW-2]	B299915	5	5.00	01/28/22
22A1519-03 [TW-4]	B299915	5	5.00	01/28/22

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B299902 - SW-846 5035										
Blank (B299902-BLK1)										
Prepared & Analyzed: 01/28/22										
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
tert-Butyl Alcohol (TBA)	ND	0.10	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet							
Carbon Disulfide	ND	0.010	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							V-05
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Diethyl Ether	ND	0.020	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl Acetate	ND	0.0020	mg/Kg wet							

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B299902 - SW-846 5035										
Blank (B299902-BLK1)										
Prepared & Analyzed: 01/28/22										
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methyl Cyclohexane	ND	0.0020	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0567		mg/Kg wet	0.0500		113	70-130			
Surrogate: Toluene-d8	0.0501		mg/Kg wet	0.0500		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.0497		mg/Kg wet	0.0500		99.4	70-130			
LCS (B299902-BS1)										
Prepared & Analyzed: 01/28/22										
Acetone	0.250	0.10	mg/Kg wet	0.200		125	70-160			†
Acrylonitrile	0.0247	0.0060	mg/Kg wet	0.0200		123	70-130			V-20
tert-Amyl Methyl Ether (TAME)	0.0217	0.0010	mg/Kg wet	0.0200		108	70-130			
Benzene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130			
Bromobenzene	0.0179	0.0020	mg/Kg wet	0.0200		89.4	70-130			
Bromochloromethane	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
Bromodichloromethane	0.0197	0.0020	mg/Kg wet	0.0200		98.6	70-130			
Bromoform	0.0187	0.0020	mg/Kg wet	0.0200		93.7	70-130			
Bromomethane	0.0208	0.010	mg/Kg wet	0.0200		104	40-130			†
2-Butanone (MEK)	0.228	0.040	mg/Kg wet	0.200		114	70-160			†
tert-Butyl Alcohol (TBA)	0.214	0.10	mg/Kg wet	0.200		107	40-130			†
n-Butylbenzene	0.0180	0.0020	mg/Kg wet	0.0200		89.9	70-130			
sec-Butylbenzene	0.0165	0.0020	mg/Kg wet	0.0200		82.6	70-130			
tert-Butylbenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.1	70-160			†
tert-Butyl Ethyl Ether (TBEE)	0.0214	0.0010	mg/Kg wet	0.0200		107	70-130			
Carbon Disulfide	0.176	0.010	mg/Kg wet	0.200		88.0	70-130			
Carbon Tetrachloride	0.0196	0.0020	mg/Kg wet	0.0200		98.2	70-130			
Chlorobenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.5	70-130			
Chlorodibromomethane	0.0185	0.0010	mg/Kg wet	0.0200		92.6	70-130			
Chloroethane	0.0186	0.020	mg/Kg wet	0.0200		92.8	70-130			
Chloroform	0.0203	0.0040	mg/Kg wet	0.0200		102	70-130			

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch B299902 - SW-846 5035									
LCS (B299902-BS1)									
Prepared & Analyzed: 01/28/22									
Chloromethane	0.0206	0.010	mg/Kg wet	0.0200		103	70-130		
2-Chlorotoluene	0.0187	0.0020	mg/Kg wet	0.0200		93.7	70-130		
4-Chlorotoluene	0.0190	0.0020	mg/Kg wet	0.0200		94.9	70-130		
1,2-Dibromo-3-chloropropane (DBCP)	0.0185	0.0020	mg/Kg wet	0.0200		92.3	70-130		
1,2-Dibromoethane (EDB)	0.0219	0.0010	mg/Kg wet	0.0200		110	70-130		
Dibromomethane	0.0199	0.0020	mg/Kg wet	0.0200		99.6	70-130		
1,2-Dichlorobenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130		
1,3-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.7	70-130		
1,4-Dichlorobenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.5	70-130		
trans-1,4-Dichloro-2-butene	0.0200	0.0040	mg/Kg wet	0.0200		99.8	70-130		
Dichlorodifluoromethane (Freon 12)	0.0146	0.020	mg/Kg wet	0.0200		72.9	40-160		V-05 †
1,1-Dichloroethane	0.0219	0.0020	mg/Kg wet	0.0200		109	70-130		
1,2-Dichloroethane	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130		
1,1-Dichloroethylene	0.0213	0.0040	mg/Kg wet	0.0200		107	70-130		
cis-1,2-Dichloroethylene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130		
trans-1,2-Dichloroethylene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130		
1,2-Dichloropropane	0.0194	0.0020	mg/Kg wet	0.0200		96.9	70-130		
1,3-Dichloropropane	0.0215	0.0010	mg/Kg wet	0.0200		108	70-130		
2,2-Dichloropropane	0.0189	0.0020	mg/Kg wet	0.0200		94.4	70-130		
1,1-Dichloropropene	0.0195	0.0020	mg/Kg wet	0.0200		97.4	70-130		
cis-1,3-Dichloropropene	0.0198	0.0010	mg/Kg wet	0.0200		98.8	70-130		
trans-1,3-Dichloropropene	0.0204	0.0010	mg/Kg wet	0.0200		102	70-130		
Diethyl Ether	0.0213	0.020	mg/Kg wet	0.0200		107	70-130		
Diisopropyl Ether (DIPE)	0.0232	0.0010	mg/Kg wet	0.0200		116	70-130		
1,4-Dioxane	0.181	0.10	mg/Kg wet	0.200		90.5	40-160		†
Ethylbenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.5	70-130		
Hexachlorobutadiene	0.0168	0.0020	mg/Kg wet	0.0200		84.0	70-160		
2-Hexanone (MBK)	0.210	0.020	mg/Kg wet	0.200		105	70-160		†
Isopropylbenzene (Cumene)	0.0173	0.0020	mg/Kg wet	0.0200		86.6	70-130		
p-Isopropyltoluene (p-Cymene)	0.0176	0.0020	mg/Kg wet	0.0200		87.9	70-130		
Methyl Acetate	0.0234	0.0020	mg/Kg wet	0.0200		117	70-130		
Methyl tert-Butyl Ether (MTBE)	0.0225	0.0040	mg/Kg wet	0.0200		112	70-130		
Methyl Cyclohexane	0.0181	0.0020	mg/Kg wet	0.0200		90.7	70-130		
Methylene Chloride	0.0220	0.020	mg/Kg wet	0.0200		110	40-160		†
4-Methyl-2-pentanone (MIBK)	0.208	0.020	mg/Kg wet	0.200		104	70-160		†
Naphthalene	0.0161	0.0040	mg/Kg wet	0.0200		80.3	40-130		†
n-Propylbenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.2	70-130		
Styrene	0.0183	0.0020	mg/Kg wet	0.0200		91.3	70-130		
1,1,1,2-Tetrachloroethane	0.0182	0.0020	mg/Kg wet	0.0200		90.8	70-130		
1,1,2,2-Tetrachloroethane	0.0187	0.0010	mg/Kg wet	0.0200		93.6	70-130		
Tetrachloroethylene	0.0177	0.0020	mg/Kg wet	0.0200		88.7	70-130		
Tetrahydrofuran	0.0237	0.010	mg/Kg wet	0.0200		118	70-130		
Toluene	0.0185	0.0020	mg/Kg wet	0.0200		92.3	70-130		
1,2,3-Trichlorobenzene	0.0173	0.0020	mg/Kg wet	0.0200		86.4	70-130		
1,2,4-Trichlorobenzene	0.0166	0.0020	mg/Kg wet	0.0200		82.8	70-130		
1,3,5-Trichlorobenzene	0.0182	0.0020	mg/Kg wet	0.0200		91.2	70-130		
1,1,1-Trichloroethane	0.0196	0.0020	mg/Kg wet	0.0200		98.2	70-130		
1,1,2-Trichloroethane	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130		
Trichloroethylene	0.0194	0.0020	mg/Kg wet	0.0200		97.1	70-130		
Trichlorofluoromethane (Freon 11)	0.0196	0.010	mg/Kg wet	0.0200		97.9	70-130		
1,2,3-Trichloropropane	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130		

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B299902 - SW-846 5035										
LCS (B299902-BS1)										
Prepared & Analyzed: 01/28/22										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0228	0.010	mg/Kg wet	0.0200		114	70-130			
1,2,4-Trimethylbenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.3	70-130			
1,3,5-Trimethylbenzene	0.0182	0.0020	mg/Kg wet	0.0200		91.0	70-130			
Vinyl Chloride	0.0172	0.010	mg/Kg wet	0.0200		86.2	40-130			†
m+p Xylene	0.0371	0.0040	mg/Kg wet	0.0400		92.7	70-130			
o-Xylene	0.0185	0.0020	mg/Kg wet	0.0200		92.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0548		mg/Kg wet	0.0500		110	70-130			
Surrogate: Toluene-d8	0.0508		mg/Kg wet	0.0500		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.0505		mg/Kg wet	0.0500		101	70-130			
LCS Dup (B299902-BS1)										
Prepared & Analyzed: 01/28/22										
Acetone	0.245	0.10	mg/Kg wet	0.200		122	70-160	1.91	25	†
Acrylonitrile	0.0253	0.0060	mg/Kg wet	0.0200		126	70-130	2.56	25	V-20
tert-Amyl Methyl Ether (TAME)	0.0202	0.0010	mg/Kg wet	0.0200		101	70-130	7.06	25	
Benzene	0.0192	0.0020	mg/Kg wet	0.0200		96.2	70-130	4.57	25	
Bromobenzene	0.0173	0.0020	mg/Kg wet	0.0200		86.4	70-130	3.41	25	
Bromochloromethane	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130	4.03	25	
Bromodichloromethane	0.0192	0.0020	mg/Kg wet	0.0200		96.2	70-130	2.46	25	
Bromoform	0.0181	0.0020	mg/Kg wet	0.0200		90.6	70-130	3.36	25	
Bromomethane	0.0207	0.010	mg/Kg wet	0.0200		104	40-130	0.193	25	†
2-Butanone (MEK)	0.224	0.040	mg/Kg wet	0.200		112	70-160	2.08	25	†
tert-Butyl Alcohol (TBA)	0.201	0.10	mg/Kg wet	0.200		101	40-130	6.22	25	†
n-Butylbenzene	0.0174	0.0020	mg/Kg wet	0.0200		87.0	70-130	3.28	25	
sec-Butylbenzene	0.0175	0.0020	mg/Kg wet	0.0200		87.6	70-130	5.88	25	
tert-Butylbenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.3	70-160	1.95	25	†
tert-Butyl Ethyl Ether (TBEE)	0.0199	0.0010	mg/Kg wet	0.0200		99.7	70-130	7.25	25	
Carbon Disulfide	0.169	0.010	mg/Kg wet	0.200		84.4	70-130	4.20	25	
Carbon Tetrachloride	0.0178	0.0020	mg/Kg wet	0.0200		89.2	70-130	9.61	25	
Chlorobenzene	0.0177	0.0020	mg/Kg wet	0.0200		88.6	70-130	7.50	25	
Chlorodibromomethane	0.0199	0.0010	mg/Kg wet	0.0200		99.6	70-130	7.28	25	
Chloroethane	0.0203	0.020	mg/Kg wet	0.0200		101	70-130	8.86	25	
Chloroform	0.0194	0.0040	mg/Kg wet	0.0200		97.0	70-130	4.63	25	
Chloromethane	0.0177	0.010	mg/Kg wet	0.0200		88.3	70-130	15.2	25	
2-Chlorotoluene	0.0173	0.0020	mg/Kg wet	0.0200		86.7	70-130	7.76	25	
4-Chlorotoluene	0.0177	0.0020	mg/Kg wet	0.0200		88.3	70-130	7.21	25	
1,2-Dibromo-3-chloropropane (DBCP)	0.0189	0.0020	mg/Kg wet	0.0200		94.4	70-130	2.25	25	
1,2-Dibromoethane (EDB)	0.0210	0.0010	mg/Kg wet	0.0200		105	70-130	4.29	25	
Dibromomethane	0.0209	0.0020	mg/Kg wet	0.0200		104	70-130	4.71	25	
1,2-Dichlorobenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130	2.12	25	
1,3-Dichlorobenzene	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130	0.955	25	
1,4-Dichlorobenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.7	70-130	0.221	25	
trans-1,4-Dichloro-2-butene	0.0190	0.0040	mg/Kg wet	0.0200		95.2	70-130	4.72	25	
Dichlorodifluoromethane (Freon 12)	0.0129	0.020	mg/Kg wet	0.0200		64.7	40-160	11.9	25	V-05 †
1,1-Dichloroethane	0.0200	0.0020	mg/Kg wet	0.0200		99.9	70-130	8.99	25	
1,2-Dichloroethane	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130	7.96	25	
1,1-Dichloroethylene	0.0204	0.0040	mg/Kg wet	0.0200		102	70-130	4.31	25	
cis-1,2-Dichloroethylene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130	3.42	25	
trans-1,2-Dichloroethylene	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130	7.01	25	
1,2-Dichloropropane	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130	4.93	25	
1,3-Dichloropropane	0.0207	0.0010	mg/Kg wet	0.0200		104	70-130	3.79	25	
2,2-Dichloropropane	0.0180	0.0020	mg/Kg wet	0.0200		89.9	70-130	4.88	25	
1,1-Dichloropropene	0.0190	0.0020	mg/Kg wet	0.0200		95.2	70-130	2.28	25	

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B299902 - SW-846 5035										
LCS Dup (B299902-BSD1)										
Prepared & Analyzed: 01/28/22										
cis-1,3-Dichloropropene	0.0197	0.0010	mg/Kg wet	0.0200		98.7	70-130	0.101	25	
trans-1,3-Dichloropropene	0.0208	0.0010	mg/Kg wet	0.0200		104	70-130	1.94	25	
Diethyl Ether	0.0219	0.020	mg/Kg wet	0.0200		109	70-130	2.50	25	
Diisopropyl Ether (DIPE)	0.0232	0.0010	mg/Kg wet	0.0200		116	70-130	0.259	25	
1,4-Dioxane	0.192	0.10	mg/Kg wet	0.200		95.9	40-160	5.78	50	† ‡
Ethylbenzene	0.0177	0.0020	mg/Kg wet	0.0200		88.4	70-130	4.53	25	
Hexachlorobutadiene	0.0170	0.0020	mg/Kg wet	0.0200		84.9	70-160	1.07	25	
2-Hexanone (MBK)	0.204	0.020	mg/Kg wet	0.200		102	70-160	3.06	25	†
Isopropylbenzene (Cumene)	0.0165	0.0020	mg/Kg wet	0.0200		82.4	70-130	4.97	25	
p-Isopropyltoluene (p-Cymene)	0.0180	0.0020	mg/Kg wet	0.0200		90.0	70-130	2.36	25	
Methyl Acetate	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130	6.43	25	
Methyl tert-Butyl Ether (MTBE)	0.0216	0.0040	mg/Kg wet	0.0200		108	70-130	4.17	25	
Methyl Cyclohexane	0.0182	0.0020	mg/Kg wet	0.0200		91.2	70-130	0.550	25	
Methylene Chloride	0.0221	0.020	mg/Kg wet	0.0200		110	40-160	0.181	25	†
4-Methyl-2-pentanone (MIBK)	0.202	0.020	mg/Kg wet	0.200		101	70-160	3.01	25	†
Naphthalene	0.0137	0.0040	mg/Kg wet	0.0200		68.3	40-130	16.2	25	†
n-Propylbenzene	0.0174	0.0020	mg/Kg wet	0.0200		87.1	70-130	6.77	25	
Styrene	0.0183	0.0020	mg/Kg wet	0.0200		91.6	70-130	0.328	25	
1,1,1,2-Tetrachloroethane	0.0173	0.0020	mg/Kg wet	0.0200		86.6	70-130	4.74	25	
1,1,2,2-Tetrachloroethane	0.0183	0.0010	mg/Kg wet	0.0200		91.7	70-130	2.05	25	
Tetrachloroethylene	0.0173	0.0020	mg/Kg wet	0.0200		86.7	70-130	2.28	25	
Tetrahydrofuran	0.0217	0.010	mg/Kg wet	0.0200		108	70-130	8.81	25	
Toluene	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130	1.61	25	
1,2,3-Trichlorobenzene	0.0153	0.0020	mg/Kg wet	0.0200		76.4	70-130	12.3	25	
1,2,4-Trichlorobenzene	0.0140	0.0020	mg/Kg wet	0.0200		70.2	70-130	16.5	25	
1,3,5-Trichlorobenzene	0.0178	0.0020	mg/Kg wet	0.0200		89.2	70-130	2.22	25	
1,1,1-Trichloroethane	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130	1.75	25	
1,1,2-Trichloroethane	0.0181	0.0020	mg/Kg wet	0.0200		90.6	70-130	7.64	25	
Trichloroethylene	0.0183	0.0020	mg/Kg wet	0.0200		91.5	70-130	5.94	25	
Trichlorofluoromethane (Freon 11)	0.0190	0.010	mg/Kg wet	0.0200		95.1	70-130	2.90	25	
1,2,3-Trichloropropane	0.0191	0.0020	mg/Kg wet	0.0200		95.5	70-130	6.39	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0216	0.010	mg/Kg wet	0.0200		108	70-130	5.58	25	
1,2,4-Trimethylbenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.3	70-130	1.09	25	
1,3,5-Trimethylbenzene	0.0175	0.0020	mg/Kg wet	0.0200		87.5	70-130	3.92	25	
Vinyl Chloride	0.0188	0.010	mg/Kg wet	0.0200		93.8	40-130	8.44	25	†
m+p Xylene	0.0354	0.0040	mg/Kg wet	0.0400		88.5	70-130	4.64	25	
o-Xylene	0.0178	0.0020	mg/Kg wet	0.0200		88.9	70-130	3.75	25	
Surrogate: 1,2-Dichloroethane-d4	0.0546		mg/Kg wet	0.0500		109	70-130			
Surrogate: Toluene-d8	0.0505		mg/Kg wet	0.0500		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.0492		mg/Kg wet	0.0500		98.4	70-130			

Batch B299915 - SW-846 5030B
Blank (B299915-BLK1)

Prepared & Analyzed: 01/28/22

Acetone	ND	50	µg/L
Acrylonitrile	ND	5.0	µg/L
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L
Benzene	ND	1.0	µg/L
Bromobenzene	ND	1.0	µg/L
Bromochloromethane	ND	1.0	µg/L
Bromodichloromethane	ND	0.50	µg/L
Bromoform	ND	1.0	µg/L

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B299915 - SW-846 5030B										
Blank (B299915-BLK1)										
Prepared & Analyzed: 01/28/22										
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B299915 - SW-846 5030B										
Blank (B299915-BLK1)										
Prepared & Analyzed: 01/28/22										
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	27.1		µg/L	25.0		108	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	24.3		µg/L	25.0		97.1	70-130			
LCS (B299915-BS1)										
Prepared & Analyzed: 01/28/22										
Acetone	112	50	µg/L	100		112	70-160			†
Acrylonitrile	10.8	5.0	µg/L	10.0		108	70-130			
tert-Amyl Methyl Ether (TAME)	10.4	0.50	µg/L	10.0		104	70-130			
Benzene	10.0	1.0	µg/L	10.0		100	70-130			
Bromobenzene	10.8	1.0	µg/L	10.0		108	70-130			
Bromochloromethane	10.9	1.0	µg/L	10.0		109	70-130			
Bromodichloromethane	10.0	0.50	µg/L	10.0		100	70-130			
Bromoform	10.4	1.0	µg/L	10.0		104	70-130			
Bromomethane	10.6	2.0	µg/L	10.0		106	40-160			†
2-Butanone (MEK)	104	20	µg/L	100		104	40-160			†
tert-Butyl Alcohol (TBA)	120	20	µg/L	100		120	40-160			†
n-Butylbenzene	11.0	1.0	µg/L	10.0		110	70-130			
sec-Butylbenzene	11.0	1.0	µg/L	10.0		110	70-130			
tert-Butylbenzene	10.9	1.0	µg/L	10.0		109	70-130			
tert-Butyl Ethyl Ether (TBEE)	10.5	0.50	µg/L	10.0		105	70-130			
Carbon Disulfide	117	5.0	µg/L	100		117	70-130			
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106	70-130			
Chlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
Chlorodibromomethane	9.73	0.50	µg/L	10.0		97.3	70-130			
Chloroethane	10.1	2.0	µg/L	10.0		101	70-130			
Chloroform	10.6	2.0	µg/L	10.0		106	70-130			
Chloromethane	10.3	2.0	µg/L	10.0		103	40-160			†
2-Chlorotoluene	10.5	1.0	µg/L	10.0		105	70-130			
4-Chlorotoluene	10.7	1.0	µg/L	10.0		107	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.4	5.0	µg/L	10.0		104	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130			
Dibromomethane	10.2	1.0	µg/L	10.0		102	70-130			
1,2-Dichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130			
1,3-Dichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130			

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B299915 - SW-846 5030B										
LCS (B299915-BS1)										
Prepared & Analyzed: 01/28/22										
1,4-Dichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130			
trans-1,4-Dichloro-2-butene	8.50	2.0	µg/L	10.0		85.0	70-130			
Dichlorodifluoromethane (Freon 12)	10.7	2.0	µg/L	10.0		107	40-160			†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dichloroethane	9.77	1.0	µg/L	10.0		97.7	70-130			
1,1-Dichloroethylene	11.5	1.0	µg/L	10.0		115	70-130			
cis-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
trans-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
1,2-Dichloropropane	10.0	1.0	µg/L	10.0		100	70-130			
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105	70-130			
2,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	40-130			†
1,1-Dichloropropene	10.6	2.0	µg/L	10.0		106	70-130			
cis-1,3-Dichloropropene	9.89	0.50	µg/L	10.0		98.9	70-130			
trans-1,3-Dichloropropene	9.96	0.50	µg/L	10.0		99.6	70-130			
Diethyl Ether	11.1	2.0	µg/L	10.0		111	70-130			
Diisopropyl Ether (DIPE)	10.2	0.50	µg/L	10.0		102	70-130			
1,4-Dioxane	95.5	50	µg/L	100		95.5	40-130			†
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Hexachlorobutadiene	10.7	0.60	µg/L	10.0		107	70-130			
2-Hexanone (MBK)	103	10	µg/L	100		103	70-160			†
Isopropylbenzene (Cumene)	10.6	1.0	µg/L	10.0		106	70-130			
p-Isopropyltoluene (p-Cymene)	10.8	1.0	µg/L	10.0		108	70-130			
Methyl Acetate	11.1	1.0	µg/L	10.0		111	70-130			
Methyl tert-Butyl Ether (MTBE)	10.5	1.0	µg/L	10.0		105	70-130			
Methyl Cyclohexane	9.69	1.0	µg/L	10.0		96.9	70-130			
Methylene Chloride	11.1	5.0	µg/L	10.0		111	70-130			
4-Methyl-2-pentanone (MIBK)	104	10	µg/L	100		104	70-160			†
Naphthalene	10.7	2.0	µg/L	10.0		107	40-130			†
n-Propylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
Styrene	10.7	1.0	µg/L	10.0		107	70-130			
1,1,1,2-Tetrachloroethane	10.6	1.0	µg/L	10.0		106	70-130			
1,1,2,2-Tetrachloroethane	10.9	0.50	µg/L	10.0		109	70-130			
Tetrachloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
Tetrahydrofuran	9.90	10	µg/L	10.0		99.0	70-130			
Toluene	10.2	1.0	µg/L	10.0		102	70-130			
1,2,3-Trichlorobenzene	11.2	5.0	µg/L	10.0		112	70-130			
1,2,4-Trichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130			
1,3,5-Trichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130			
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
Trichlorofluoromethane (Freon 11)	11.4	2.0	µg/L	10.0		114	70-130			
1,2,3-Trichloropropane	11.2	2.0	µg/L	10.0		112	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6	1.0	µg/L	10.0		106	70-130			
1,2,4-Trimethylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
1,3,5-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Vinyl Chloride	10.6	2.0	µg/L	10.0		106	40-160			†
m+p Xylene	21.5	2.0	µg/L	20.0		108	70-130			
o-Xylene	10.8	1.0	µg/L	10.0		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	27.5		µg/L	25.0		110	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.1	70-130			

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B299915 - SW-846 5030B										
LCS (B299915-BS1)					Prepared & Analyzed: 01/28/22					
Surrogate: 4-Bromofluorobenzene	24.6		µg/L	25.0		98.4	70-130			
LCS Dup (B299915-BSD1)					Prepared & Analyzed: 01/28/22					
Acetone	118	50	µg/L	100		118	70-160	4.92	25	†
Acrylonitrile	11.4	5.0	µg/L	10.0		114	70-130	5.50	25	
tert-Amyl Methyl Ether (TAME)	10.4	0.50	µg/L	10.0		104	70-130	0.192	25	
Benzene	10.3	1.0	µg/L	10.0		103	70-130	2.95	25	
Bromobenzene	10.8	1.0	µg/L	10.0		108	70-130	0.278	25	
Bromochloromethane	11.0	1.0	µg/L	10.0		110	70-130	0.819	25	
Bromodichloromethane	9.96	0.50	µg/L	10.0		99.6	70-130	0.401	25	
Bromoform	10.4	1.0	µg/L	10.0		104	70-130	0.0957	25	
Bromomethane	13.3	2.0	µg/L	10.0		133	40-160	22.7	25	†
2-Butanone (MEK)	106	20	µg/L	100		106	40-160	2.32	25	†
tert-Butyl Alcohol (TBA)	130	20	µg/L	100		130	40-160	8.27	25	†
n-Butylbenzene	11.4	1.0	µg/L	10.0		114	70-130	3.13	25	
sec-Butylbenzene	11.4	1.0	µg/L	10.0		114	70-130	3.50	25	
tert-Butylbenzene	11.2	1.0	µg/L	10.0		112	70-130	2.98	25	
tert-Butyl Ethyl Ether (TBEE)	10.6	0.50	µg/L	10.0		106	70-130	0.946	25	
Carbon Disulfide	120	5.0	µg/L	100		120	70-130	2.56	25	
Carbon Tetrachloride	11.0	5.0	µg/L	10.0		110	70-130	4.53	25	
Chlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	1.12	25	
Chlorodibromomethane	10.0	0.50	µg/L	10.0		100	70-130	3.24	25	
Chloroethane	12.2	2.0	µg/L	10.0		122	70-130	19.3	25	
Chloroform	10.8	2.0	µg/L	10.0		108	70-130	2.06	25	
Chloromethane	13.0	2.0	µg/L	10.0		130	40-160	23.0	25	†
2-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130	0.575	25	
4-Chlorotoluene	10.8	1.0	µg/L	10.0		108	70-130	1.21	25	
1,2-Dibromo-3-chloropropane (DBCP)	11.0	5.0	µg/L	10.0		110	70-130	5.62	25	
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130	0.473	25	
Dibromomethane	10.4	1.0	µg/L	10.0		104	70-130	1.07	25	
1,2-Dichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130	2.79	25	
1,3-Dichlorobenzene	11.4	1.0	µg/L	10.0		114	70-130	2.86	25	
1,4-Dichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130	2.07	25	
trans-1,4-Dichloro-2-butene	9.18	2.0	µg/L	10.0		91.8	70-130	7.69	25	
Dichlorodifluoromethane (Freon 12)	11.4	2.0	µg/L	10.0		114	40-160	6.44	25	†
1,1-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130	1.40	25	
1,2-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130	2.33	25	
1,1-Dichloroethylene	11.9	1.0	µg/L	10.0		119	70-130	3.25	25	
cis-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	1.40	25	
trans-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	0.645	25	
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130	4.01	25	
1,3-Dichloropropane	10.7	0.50	µg/L	10.0		107	70-130	2.17	25	
2,2-Dichloropropane	11.0	1.0	µg/L	10.0		110	40-130	1.38	25	†
1,1-Dichloropropene	10.9	2.0	µg/L	10.0		109	70-130	2.89	25	
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	3.09	25	
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	2.28	25	
Diethyl Ether	11.1	2.0	µg/L	10.0		111	70-130	0.00	25	
Diisopropyl Ether (DIPE)	10.3	0.50	µg/L	10.0		103	70-130	1.37	25	
1,4-Dioxane	97.8	50	µg/L	100		97.8	40-130	2.43	50	† ‡
Ethylbenzene	11.0	1.0	µg/L	10.0		110	70-130	2.87	25	
Hexachlorobutadiene	11.2	0.60	µg/L	10.0		112	70-130	4.55	25	
2-Hexanone (MBK)	108	10	µg/L	100		108	70-160	4.89	25	†

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B299915 - SW-846 5030B										
LCS Dup (B299915-BSD1)										
Prepared & Analyzed: 01/28/22										
Isopropylbenzene (Cumene)	10.8	1.0	µg/L	10.0		108	70-130	1.68	25	
p-Isopropyltoluene (p-Cymene)	11.0	1.0	µg/L	10.0		110	70-130	1.93	25	
Methyl Acetate	11.8	1.0	µg/L	10.0		118	70-130	5.86	25	
Methyl tert-Butyl Ether (MTBE)	10.7	1.0	µg/L	10.0		107	70-130	1.79	25	
Methyl Cyclohexane	10.1	1.0	µg/L	10.0		101	70-130	4.04	25	
Methylene Chloride	11.7	5.0	µg/L	10.0		117	70-130	5.01	25	
4-Methyl-2-pentanone (MIBK)	107	10	µg/L	100		107	70-160	2.94	25	†
Naphthalene	12.0	2.0	µg/L	10.0		120	40-130	10.9	25	†
n-Propylbenzene	11.0	1.0	µg/L	10.0		110	70-130	4.55	25	
Styrene	10.9	1.0	µg/L	10.0		109	70-130	1.67	25	
1,1,1,2-Tetrachloroethane	10.8	1.0	µg/L	10.0		108	70-130	1.40	25	
1,1,1,2,2-Tetrachloroethane	11.3	0.50	µg/L	10.0		113	70-130	3.33	25	
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130	2.25	25	
Tetrahydrofuran	10.4	10	µg/L	10.0		104	70-130	5.41	25	
Toluene	10.5	1.0	µg/L	10.0		105	70-130	2.80	25	
1,2,3-Trichlorobenzene	12.6	5.0	µg/L	10.0		126	70-130	12.0	25	
1,2,4-Trichlorobenzene	11.6	1.0	µg/L	10.0		116	70-130	5.05	25	
1,3,5-Trichlorobenzene	11.1	1.0	µg/L	10.0		111	70-130	4.60	25	
1,1,1-Trichloroethane	11.2	1.0	µg/L	10.0		112	70-130	1.17	25	
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130	0.286	25	
Trichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	2.35	25	
Trichlorofluoromethane (Freon 11)	11.8	2.0	µg/L	10.0		118	70-130	3.89	25	
1,2,3-Trichloropropane	11.5	2.0	µg/L	10.0		115	70-130	2.74	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.0		110	70-130	3.88	25	
1,2,4-Trimethylbenzene	11.2	1.0	µg/L	10.0		112	70-130	3.27	25	
1,3,5-Trimethylbenzene	10.8	1.0	µg/L	10.0		108	70-130	1.96	25	
Vinyl Chloride	10.4	2.0	µg/L	10.0		104	40-160	1.71	25	†
m+p Xylene	21.9	2.0	µg/L	20.0		109	70-130	1.61	25	
o-Xylene	11.0	1.0	µg/L	10.0		110	70-130	2.39	25	
Surrogate: 1,2-Dichloroethane-d4	27.6		µg/L	25.0		111	70-130			
Surrogate: Toluene-d8	24.5		µg/L	25.0		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	24.4		µg/L	25.0		97.6	70-130			

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

FLAG/QUALIFIER SUMMARY

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Soil</i>	
Acetone	CT,NH,NY,ME,VA
Acrylonitrile	CT,NH,NY,ME,VA
Benzene	CT,NH,NY,ME,VA
Bromobenzene	NH,NY,ME,VA
Bromochloromethane	NH,NY,ME,VA
Bromodichloromethane	CT,NH,NY,ME,VA
Bromoform	CT,NH,NY,ME,VA
Bromomethane	CT,NH,NY,ME,VA
2-Butanone (MEK)	CT,NH,NY,ME,VA
tert-Butyl Alcohol (TBA)	NY,ME
n-Butylbenzene	CT,NH,NY,ME,VA
sec-Butylbenzene	CT,NH,NY,ME,VA
tert-Butylbenzene	CT,NH,NY,ME,VA
Carbon Disulfide	CT,NH,NY,ME,VA
Carbon Tetrachloride	CT,NH,NY,ME,VA
Chlorobenzene	CT,NH,NY,ME,VA
Chlorodibromomethane	CT,NH,NY,ME,VA
Chloroethane	CT,NH,NY,ME,VA
Chloroform	CT,NH,NY,ME,VA
Chloromethane	CT,NH,NY,ME,VA
2-Chlorotoluene	CT,NH,NY,ME,VA
4-Chlorotoluene	CT,NH,NY,ME,VA
1,2-Dibromo-3-chloropropane (DBCP)	NY,ME
1,2-Dibromoethane (EDB)	NH,NY
Dibromomethane	NH,NY,ME,VA
1,2-Dichlorobenzene	CT,NH,NY,ME,VA
1,3-Dichlorobenzene	CT,NH,NY,ME,VA
1,4-Dichlorobenzene	CT,NH,NY,ME,VA
trans-1,4-Dichloro-2-butene	NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME,VA
1,1-Dichloroethane	CT,NH,NY,ME,VA
1,2-Dichloroethane	CT,NH,NY,ME,VA
1,1-Dichloroethylene	CT,NH,NY,ME,VA
cis-1,2-Dichloroethylene	CT,NH,NY,ME,VA
trans-1,2-Dichloroethylene	CT,NH,NY,ME,VA
1,2-Dichloropropane	CT,NH,NY,ME,VA
1,3-Dichloropropane	NH,NY,ME,VA
2,2-Dichloropropane	NH,NY,ME,VA
1,1-Dichloropropene	NH,NY,ME,VA
cis-1,3-Dichloropropene	CT,NH,NY,ME,VA
trans-1,3-Dichloropropene	CT,NH,NY,ME,VA
Diethyl Ether	ME
1,4-Dioxane	NY,ME
Ethylbenzene	CT,NH,NY,ME,VA
Hexachlorobutadiene	NH,NY,ME,VA
2-Hexanone (MBK)	CT,NH,NY,ME,VA
Isopropylbenzene (Cumene)	CT,NH,NY,ME,VA

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Soil</i>	
p-Isopropyltoluene (p-Cymene)	NH, NY
Methyl Acetate	NY, ME
Methyl tert-Butyl Ether (MTBE)	NY, ME, VA
Methyl Cyclohexane	NY
Methylene Chloride	CT, NH, NY, ME, VA
4-Methyl-2-pentanone (MIBK)	CT, NH, NY, ME, VA
Naphthalene	NH, NY, ME, VA
n-Propylbenzene	NH, NY, ME
Styrene	CT, NH, NY, ME, VA
1,1,1,2-Tetrachloroethane	CT, NH, NY, ME, VA
1,1,2,2-Tetrachloroethane	CT, NH, NY, ME, VA
Tetrachloroethylene	CT, NH, NY, ME, VA
Toluene	CT, NH, NY, ME, VA
1,2,3-Trichlorobenzene	NY, ME
1,2,4-Trichlorobenzene	NH, NY, ME, VA
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT, NH, NY, ME, VA
1,1,2-Trichloroethane	CT, NH, NY, ME, VA
Trichloroethylene	CT, NH, NY, ME, VA
Trichlorofluoromethane (Freon 11)	CT, NH, NY, ME, VA
1,2,3-Trichloropropane	NH, NY, ME, VA
1,2,4-Trimethylbenzene	CT, NH, NY, ME, VA
1,3,5-Trimethylbenzene	CT, NH, NY, ME, VA
Vinyl Chloride	CT, NH, NY, ME, VA
m+p Xylene	CT, NH, NY, ME, VA
o-Xylene	CT, NH, NY, ME, VA
<i>SW-846 8260D in Water</i>	
Acetone	CT, ME, NH, VA, NY
Acrylonitrile	CT, ME, NH, VA, NY
tert-Amyl Methyl Ether (TAME)	ME, NH, VA, NY
Benzene	CT, ME, NH, VA, NY
Bromobenzene	ME, NY
Bromochloromethane	ME, NH, VA, NY
Bromodichloromethane	CT, ME, NH, VA, NY
Bromoform	CT, ME, NH, VA, NY
Bromomethane	CT, ME, NH, VA, NY
2-Butanone (MEK)	CT, ME, NH, VA, NY
tert-Butyl Alcohol (TBA)	ME, NH, VA, NY
n-Butylbenzene	ME, VA, NY
sec-Butylbenzene	ME, VA, NY
tert-Butylbenzene	ME, VA, NY
tert-Butyl Ethyl Ether (TBEE)	ME, NH, VA, NY
Carbon Disulfide	CT, ME, NH, VA, NY
Carbon Tetrachloride	CT, ME, NH, VA, NY
Chlorobenzene	CT, ME, NH, VA, NY
Chlorodibromomethane	CT, ME, NH, VA, NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY

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

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

22A1519

Doc # 381 Rev 5_07/13/2021

http://www.pacelabs.com

39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

Phone: 413-525-2332
Fax: 413-525-6405
Access CDC's and Support Requests

Company Name: **JTC**
Address: **44 Lafayette Rd., N. Hampton, NH**
Phone: **(603) 315-0340**
Project Name: **Exeter, NH**
Project Location: **Exeter, NH**
Project Number: **01-03-126**
Project Manager: **M. Pellicani**
Pace Quote Name/Number:
Invoice Recipient:
Sampled By: **MP**

ANALYSIS REQUESTED

Required Turnaround Time: 7-Day 10-Day Field Filtered Lab to Filter

PFAS 10-Day (std) Due Date: Field Filtered Lab to Filter

1-Day 5-Day Field Filtered Lab to Filter

2-Day 4-Day Lab to Filter

Format: PDF EXCEL

Other: SOXHLET NON SOXHLET

CLP Like Data Pkg Required:

Email To: **m.pellicani@consulting.com**

Fax To #:

Pace Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE
1	TW-1	1/26	2:00	G	GW		3				
2	TW-2		1:30	G	L						
3	TW-4		10:15	G	S						
4	B-1 (6-7')		13:50	G	L						
5	B-2 (10-11')		13:40	G	L						
6	B-3 (10-11')		13:00	G	L						

Client Comments:

Relinquished by: (signature) **[Signature]** Date/Time: **1/24 5:00 PM**

Received by: (signature) **[Signature]** Date/Time: **1/27/22 13:10**

Relinquished by: (signature) **[Signature]** Date/Time: **1/27/22 1:00**

Received by: (signature) **[Signature]** Date/Time: **1/27/22 8:10**

Relinquished by: (signature) **[Signature]** Date/Time:

Received by: (signature) **[Signature]** Date/Time:

Relinquished by: (signature) **[Signature]** Date/Time:

Received by: (signature) **[Signature]** Date/Time:

MA MCP Required

MCP Certification Form Required

CT RCP Required

RCP Certification Form Required

MA State DW Required

PWSID #

Project Entity: Government Federal City

Municipality: 21 J Brownfield

MWRA School MBTA

WRTA

Other: Chromatogram AIHA-LAP, LLC

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

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

3 Preservation Code:
Courier-Use Only
Total Number Of:
VIALS _____
GLASS _____
PLASTIC _____
BACTERIA _____
ENCORE _____

Glassware in the fridge? Y/N

Glassware in freezer? Y/N

Prepackaged Cooler? Y/N

*Pace Analytical is not responsible for missing samples from prepacked coolers

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

NEIAC and AIHA-LAP, LLC Accredited

Disclaimer: Pace Analytical is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Pace Analytical values your partnership on each project and will try to assist with missing information, but will not be held accountable.

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



con-test
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client JTC

Received By DK Date 1-27-22 Time 1810

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

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

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished? T Does Chain Agree With Samples? T

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

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

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

Are Sample labels filled out and legible? T

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

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

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

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

Were trip blanks received? E On COC? F

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

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-	<u>6</u>	500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-	<u>3</u>	250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-	<u>6</u>	Flashpoint		Col./Bacteria	2oz Amb/Clear
DI-		Other Glass		Other Plastic	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

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

Comments: