

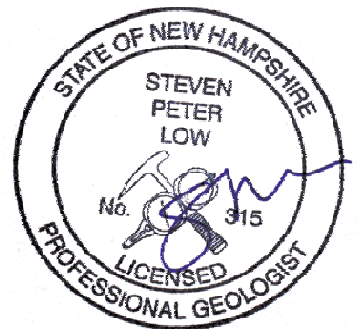
**DES Waste Management Division
29 Hazen Drive; PO Box 95
Concord, NH 03302-0095**

**UST Closure Report
Former Mr. Mike's Mobil
22 Henniker Street
Hillsborough, NH**

**NHDES Site #: 198904015
Project Type: UST
Facility ID: 0110384**

Prepared For:
Global Companies LLC
800 South Street, Suite 500
Waltham, MA 02454
Phone Number (802) 274-9521
RP Contact Name: Mr. Richard Browne
RP Contact Email: Richard.browne@globalp.com

Prepared By:
Atlas Technical
150 Zachary Road
Manchester, NH 03109
Phone Number (603) 647-7077
Contact Name: Steven P. Low, P.G.
Contact Email: steven.low@oneatlas.com



Date of Report: November 2021



150 Zachary Road
Manchester, NH
603 647-7077 | oneatlas.com

October 22, 2021

New Hampshire Department of Environmental Services
Oil Remediation and Compliance Bureau
29 Hazen Drive, P.O. Box 95
Concord, NH 03302

RE: UST Closure Report
Former Mr. Mikes Mobil
22 Henniker Street
Hillsborough, New Hampshire
NHDES # 198904015
Atlas Project No. 0221074821

To Whom It May Concern:

On behalf of Global Companies LLC (Global), Atlas Technical, [formerly ATC Group Services LLC (ATC)], has prepared this Underground Storage Tank (UST) Closure Report for the above referenced site in accordance with the requirements set forth in Env-Wm 1401 Underground Storage Facilities and the New Hampshire Department of Environmental Services (NHDES) Guidelines for Underground Storage Tank Closure, Sampling, and Reporting, revised July 2013.

This UST Closure Report documents the removal of two 8,000-gallon gasoline USTs and one 6,000-gallon diesel UST, and associated piping located at 22 Henniker Street, Hillsborough, New Hampshire (the "Site"). The UST closure activities were conducted on August 11 and 12, 2021.

The NHDES UST Closure Notification Form is included in Appendix A. A Site Locus is included as Figure 1 and a Soil Excavation Plan depicting the general site layout is included as Figure 2. Photographs taken during the tank removal activities are included in Appendix B.

BACKGROUND

The Site was occupied by a Mobil branded gas station and associated retail gasoline infrastructure including USTs and dispensers, as well as a car wash. The site has been used as a retail gasoline station since 1958, has been out of business since 2019, and was vacant at the time of the UST removal. Following the UST removal in August 2021, the building was demolished.

Gasoline was stored in two 8,000-gallon double-wall fiberglass USTs and diesel was stored in one 6,000-gallon double-wall steel USTs. All three of the USTs were installed in October 1998. The diesel UST system has been out of service since September 19, 2016 and the gasoline UST systems have been out of service since December 21, 2020.

The site is currently monitored under a Groundwater Management Permit (GMP), No. GWP-198904015-H-003, issued on January 5, 2015, and expired on January 4, 2020. A GMP Renewal Application was previously submitted to NHDES, and a new GMP was issued on October 14, 2021. Groundwater contamination, from a previous UST system, remains above AGQS in the eastern portion of the site. The previous USTs were removed from the site in October 1988 along with approximately 400 yards of petroleum impacted soil was excavated and taken offsite for disposal.

CLOSURE PARTICIPANTS

The following participants were involved with the UST closure activities:

- LaMountain Brothers, Inc. (LaMountain) – Contracted by Global to conduct UST removal, cleaning, and disposal, and building demolition.
- Atlas – Contracted by Global to conduct oversight, sampling and documentation of UST closure; and to coordinate transportation of soil for offsite disposal. Owen Castor (ICC Certification #8075526-U2) provided oversight during the UST removal activities.

UST REMOVAL AND SOIL EXCAVATION ACTIVITIES

UST closure activities were conducted on August 11 and 12, 2021. Prior to conducting the work, LaMountain notified Dig Safe for utility clearance. LaMountain also set up temporary fencing around the excavation area for Site safety/control. Atlas personnel were on-site to oversee UST removal activities, conduct field screening of soil samples for total organic vapors (TOVs) using a portable photoionization detector (PID), and collect confirmatory soil samples from the UST and soil excavation area. The tanks were previously taken out of service and their contents pumped. Prior to removal, the tanks were vented of residual vapors and cleaned. Approximately one-half of a 55-gallon drum of liquid was generated during the cleaning. Mr. Andrew Fulton from NHDES was onsite on August 11, 2021 to oversee the UST removal.

Visual UST and Product Line Inspection

The double-wall fiberglass USTs, product lines, and dispenser sumps were removed from the ground and visually inspected. The tanks and associated tank components were observed to be in sound condition- no evidence of holes, cracks, or evidence of staining was observed. On August 12, 2021, the USTs were transported off site for disposal at a licensed recycling facility.

Visual and Olfactory Assessment and PID Soil Screening

During the UST removal and excavation, soil samples were screened for the presence of TOVs using a Mini Rae Lite PID equipped with a 10.6 eV lamp and calibrated to a 100 parts per million (ppm) isobutylene standard following standard headspace screening methodology. A total of approximately 11 soil samples were collected from around the fill and vapor spill buckets and sumps and approximately 4 soil samples were collected at approximately 5 ft. intervals from below the product lines. No visual evidence of petroleum staining was observed around the sumps, product lines or dispensers. PID readings below the dispenser lines ranged from 1.0 ppm to 4.6 ppm.

A total of approximately 10 soil samples were collected for field screening during the excavation and along the sidewalls. The PID readings ranged from 0.9 to 4.5 ppm. Clean soil removed from above the USTs was stockpiled for later reuse during backfilling and site restoration. Since no petroleum impacted soil was observed there was no excavation beyond the UST grave.

None of the existing site monitoring wells were destroyed at the time of the UST removal. Photographs taken during the soil excavation activities are included in Appendix B.

Groundwater Observations

Groundwater was encountered during the removal of the USTs at a depth of approximately 5 feet below ground surface (ft bgs). No sheen was observed on the groundwater and no petroleum odor was present.

General Soil Description

Soils encountered generally consist of brown sand and silt with some gravel and cobbles. Evidence of coal ash was observed along the south western sidewall of the gasoline UST. Evidence of fill such as bricks and concrete was also observed in the area of the fuel dispensers and vent lines.

SAMPLE COLLECTION AND LABORATORY RESULTS

Soil Sampling and Results

Confirmatory soil samples were collected from the sidewalls after the UST removal (SW-N 4-6', SW-S 4-6', SW-E1 4-6', SW-E2 4-6', and SW-W2 4-6'), from beneath the piping run (L-1 3'), and beneath the diesel dispenser (D2 4') and gasoline dispensers (D3 2.4'). Additionally a soil sample was collected from beneath the vent lines (Vents 2.5'). Due to the high water table, base soil samples could not be collected. A composite soil sample (Comp-1) was collected from SW-W1 4-6' and SW-E1 4-6'. Due to the high water table in the excavation, a base soil sample was not collected.

Soil samples for volatile organic compounds (VOCs) and total petroleum hydrocarbons-gasoline range organics (TPH-GRO) analysis were collected using open-ended syringes to obtain approximately 10 grams of soil and carefully transfer into laboratory prepared 40-milliliter VOA vials preserved in methanol so as to minimize VOC loss. An additional 2.5 grams of soil was collected from the same sampling locations using the same methodology for low level VOC analysis and placed in 40-milliliter VOA vials preserved in deionized water. All other samples were placed in laboratory prepared glassware and kept cool. All samples were submitted to ConTest, a Pace Analytical Laboratory (ConTest) of East Longmeadow, MA for laboratory analysis with chain-of-custody documentation.

Soil samples from the soil excavation sidewalls (SW-W2 4-6') and (SW-E2 4-6') were analyzed for VOCs via EPA method 8260C and total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) via EPA Method 8015C. Soil samples from the soil excavation sidewalls (SW-E1 4-6') and (SW-S 4-6') were analyzed for VOCs and TPH-GRO. The sidewall sample (SW-S 4-6') was additionally analyzed for TPH-diesel range organics (DRO) via EPA Method 8015D. The sidewall sample (SW-N 4-6') and Comp-1 (comprised of SW-E1 4-6' and SW-W1 4-6') were analyzed for TPH-DRO and polycyclic aromatic hydrocarbons (PAHs) via EPA Method 8270D. The sidewall sample (SW-N 4-6') was additionally sampled for VOCs.

The soil samples from the vent lines (Vents 2.5') and product lines (L-1 3') and diesel dispenser were analyzed for VOCs, PAHs, and TPH-GRO. The soil samples (Vents 2.5') and (L-1 3') were also analyzed for TPH-GRO. The soil sample from a gasoline dispenser (D3 2.5') was analyzed for VOCs and TPH-GRO.

The laboratory analytical results were compared to Soil Remediation Standards (SRS) listed in Env-Or 600, *Contaminated Site Management*, Table 600-2. The laboratory analytical report is included as Appendix C and the results are summarized below and in Table 1 (Soil Analytical Results).

- The PAHs, benzo (a) pyrene and benzo (b) fluoranthene were detected above the NH SRS in the soil samples (SW-N 4-6'), (Vents 2.5'), and (D2 4'). The concentrations of benzo (a) pyrene ranged from 0.95 mg/kg to 2.7 mg/kg; the NH SRS is 0.7 mg/kg. The concentrations of benzo (b) fluoranthene ranged from 1.1 mg/kg to 2.9 mg/kg; the NH SRS is 1 mg/kg. Benzo (a) anthracene and indeno (1,2,3-cd) pyrene were also detected above the NH SRS at 1.9 mg/kg and 2.8 mg/kg, respectively, in the soil sample (D2 4'). The NH SRS for benzo (a) anthracene and indeno (1,2,3-cd) pyrene is 1 mg/kg. Additional PAHs were detected in the soil samples submitted, however their concentrations were well below their respective SRS. The PAHs detected above the NH SRS are known as pyrogenic PAHs and are not characteristic of diesel fuel.

- Acetone was detected at 0.12 milligrams per kilogram (mg/kg) in the soil sample (Vents 2.5'). The concentration is well below the NH Soil Remediation Standard (SRS) of 75 mg/kg, and is not a gasoline or diesel fuel constituent. No other VOCs were detected above the laboratory reportable detection limits (RDLs) in any of the soil samples collected.
- Low levels of TPH-DRO, ranging from 33 mg/kg to 290 mg/kg were detected in the soil samples (SW-N 4-6'), [Comp-1 (comprised of SW-E1 4-6' and SW-W1 4-6'1)], (SW-S 4-6'), (Vents 2.5'), (D2 4'), and (L1 3'). The detected levels were well below the NH SRS of 10,000 mg/kg.
- TPH-GRO was detected at 8.9 mg/kg and 2.1 mg/kg in the soil samples (SW-E2 4-6') and (L-1 3'), respectively. These concentrations are well below the NH SRS of 10,000 mg/kg. TPH-GRO was not detected above the laboratory RDLs in any of the other soil samples submitted.

Groundwater Sampling and Results

Since groundwater was encountered in the UST grave at approximately 5 ft bgs, a groundwater sample was collected for VOC and PAH analysis in accordance with NHDES UST Closure Guidance. Groundwater was collected using a dedicated bailer and carefully transferred into laboratory prepared 40-milliliter VOA vials preserved with hydrochloric acid and unpreserved 1 liter amber jars. The groundwater sample collected for PAHs was field filtered using a 0.45 micron groundwater filter. All samples were kept cool until delivered to the laboratory with a chain of custody. The groundwater quality data were compared to the AGQS listed in Env-Or 600, Contaminated Site Management. Tables 2 and 2A summarize the laboratory analytical results for the groundwater sample collected on August 11, 2021. The laboratory analytical report is included as Appendix C.

Benzene was detected at 7.1 micrograms per liter (ug/l), above the AGQS of 5 ug/L, in the groundwater sample collected from the UST grave. Toluene, ethylbenzene, total xylenes, and 1,2,4-trimethylbenzene were also detected, however the concentrations were well below AGQS.

PAHs were not detected above the laboratory reportable detection limits in the groundwater sample collected from the UST grave.

EXCAVATION BACKFILLING AND COMPACTION

Since the USTs were not being replaced the excavation was backfilled with clean fill from Henniker Sand and Gravel in Henniker, NH. Clean pea stone that was stockpiled onsite was also used to backfill the excavation below the water table.

Waste Disposal

Approximately 25 gallons of waste fuel generated from the tank cleaning was placed in a 55-gallon drum for off-site disposal. As of the date of this report, the waste from the tanks has not yet been picked up for disposal due to a profile issue associated with disposal of other materials from the former car wash. The manifest will be provided separately upon receipt.

The clean tanks were crushed and disposed as solid waste.

CONCLUSIONS

Based on the results of the investigation described above, Atlas concludes the following:

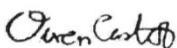
- On August 11 and 12, 2021, Atlas oversaw the removal of two 8,000-gallon gasoline USTs and one 6,000-gallon diesel UST and associated fuel dispensers and piping.
- The PAHs benzo (a) pyrene and benzo (b) fluoranthene were detected above the NH SRS in the soil samples (SW-N 4-6'), (Vents 2.5'), and (D2 4'). Benzo (a) anthracene and indeno (1,2,3-cd) pyrene were also detected above the NH SRS in the soil sample (D2 4'). The PAHs detected above the NH SRS are classified as pyrogenic PAHs and are not characteristic of diesel fuel.
- No VOCs, TPH-GRO, or TPH-DRO were detected above the SRS in any of the soil samples submitted for laboratory analysis.
- Benzene was detected at 7.1 ug/L, above the AGQS of 5 ug/L, in the groundwater sample collected from the UST grave. All other VOCs were well below their respective AGQS or non-detect.
- PAHs were not detected above the laboratory RDLs in the groundwater sample collected from the UST grave.

RECOMMENDATIONS

Atlas does not recommend any additional investigation regarding the UST removal. The PAHs detected above the NH SRS are pyrogenic PAHs are not characteristic of diesel fuel, and are likely related to the coal ash observed in the soil during the UST removal. Although benzene was detected above AGQS in the groundwater sample collected from the UST grave, the sample may not be representative of groundwater concentrations since the sample was not collected from a properly constructed groundwater monitoring well. Atlas recommends continued groundwater sampling in accordance with the GMP.

Should you have any questions or comments regarding the information contained in this report, please do not hesitate to contact the undersigned at our Manchester, New Hampshire office at (603) 647-7077.

Sincerely,
Atlas Technical



Owen Castor
Environmental Scientist



Steven P. Low, P.G.
Branch Manager

Cc: Mr. Richard Browne

Figures

Figure 1	Site Locus
Figure 2	UST Soil Sampling Plan

Tables

Table 1	Soil Analytical Results
Table 2	Summary of VOCs Detected in Groundwater
Table 2A	Summary of PAHs Detected in Groundwater

Appendices

Appendix A	NHDES UST Closure Notification Form
Appendix B	Photographs
Appendix C	Laboratory Analytical Reports

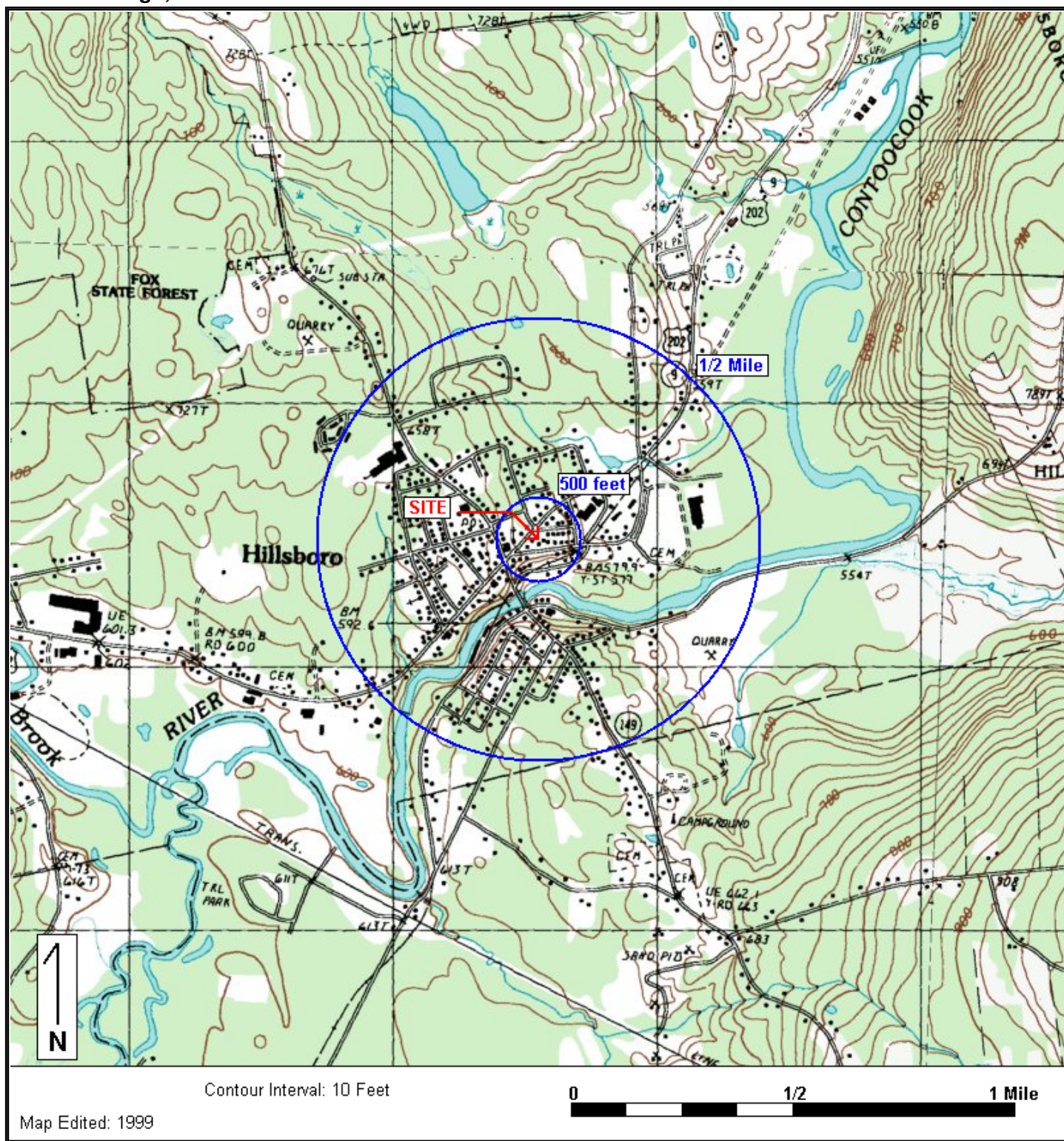
FIGURES



Atlas Technical
150 Zachary Road, Unit 1
Manchester, NH 03109
Phone 603.647.7077
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Mr. Mike's Mobil
22 Henniker Street
Hillsborough, NH 03244

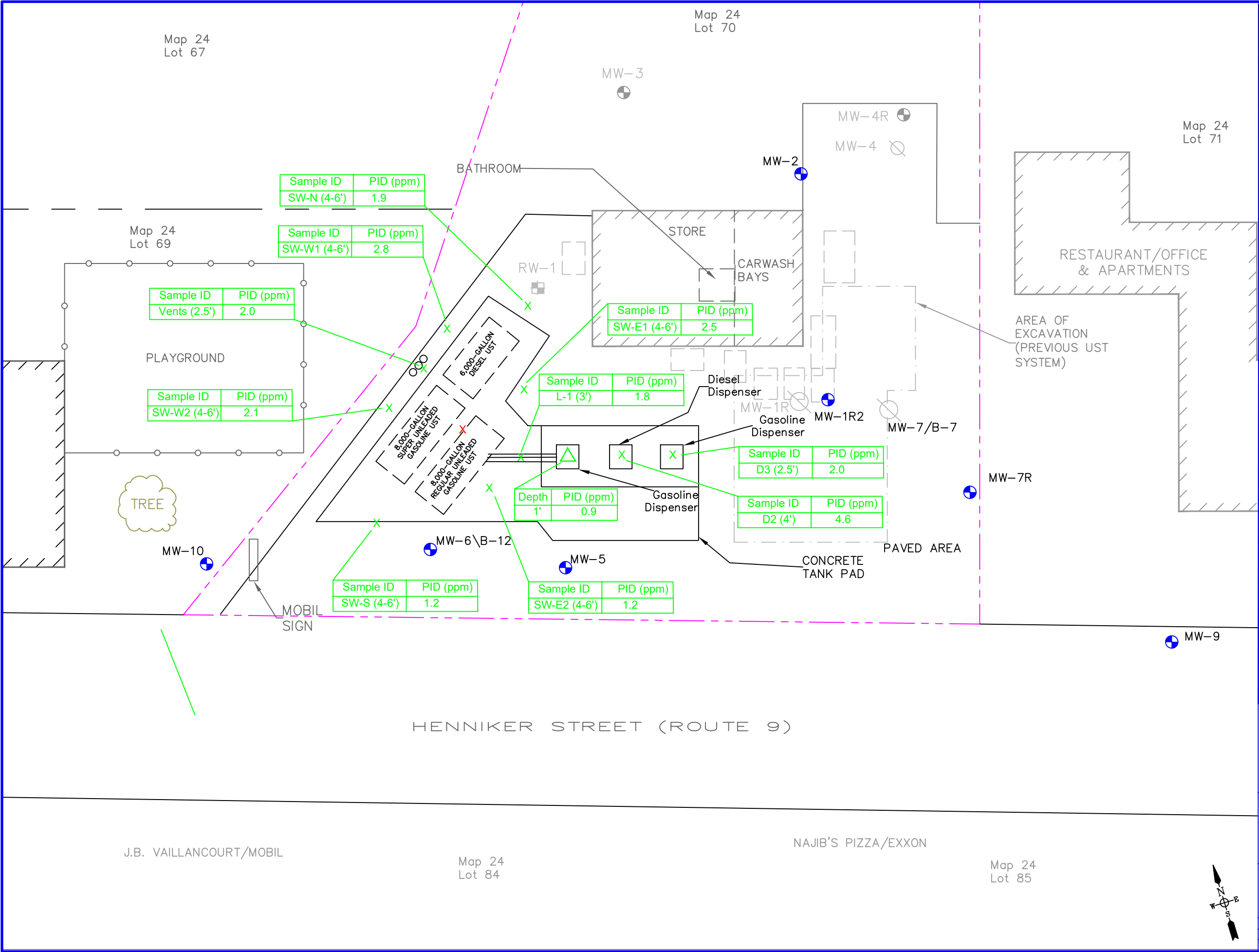
Figure 1: SITE LOCUS



Base Map: U.S. Geological Survey; Quadrangle Location: Hillsboro, NH

Lat/Lon: 43° 6' 56" NORTH, 71° 53' 36" WEST - UTM Coordinates: 19 264599 EAST / 4777706 NORTH

Generated By: Christine DiMaio



Legend

RW-1

Decommissioned Recovery Well

MW-1

Groundwater Monitoring Well

MW-1

Decommissioned Monitoring Well

MW-2

Destroyed Monitoring Well

Former UST Location

X

Confirmatory Soil Sample Location

△

Soil Screening Location

X

Groundwater Sample Location From UST Grave

General Notes:

All locations, dimensions, and property lines depicted on this plan are approximate. This plan should not be used for construction or land conveyance purposes.

Source:

Geolnsight Site Plan dated 9/26/06.

0

Approximate Feet

20

NAME/ADDRESS:

Former Mr. Mikes Mobil

22 Henniker Street

Hillsborough, NH

DRAWING TITLE:

UST Soil Sampling Plan

ATLAS

150 Zachary Road
Manchester, NH 03109
(603) 647-7077
(603) 647-5347 FAX

DRAWN BY:

OC

FIGURE NO.

CHECKED BY:

SL

PROJECT NO.

0221074821

2

TABLES

Table 1
Soil Analytical Results
22 Henniker Street Hillsborough, NH

Analyte / Method	NH S-1		Sample Identifier and Date									
			SW-N 4-6'	SW-E1 4-6'	Comp-1	SW-W2 4-6'	SW-S 4-6'	SW-E2 4-6'	Vents 2.5'	D2 4'	D3 2.5'	L-1 3'
			8/11/2021	8/11/2021	8/11/2021	8/12/2021	8/12/2021	8/12/2021	8/12/2021	8/12/2021	8/12/2021	8/12/2021
PID Reading (ppmv)	NE		1.9	2.5	2.8	2.1	1.2	1.2	2.0	4.6	2.0	1.8
Volatile Organic Compounds (VOCs) (USEPA Method 8260C)												
Acetone	75	mg/kg	<0.084	<0.079	NA	<0.10	<0.089	<0.072	0.12	<0.088	<0.096	<0.099
Polycyclic Aromatic Hydrocarbons (PAHs) (USEPA Method 8270D)												
Acenaphthene	340	mg/kg	<0.19	NA	<0.21	NA	NA	NA	<0.19	<0.21	NA	<0.19
Acenaphthylene	490	mg/kg	0.20	NA	<0.21	NA	NA	NA	<0.19	0.62	NA	<0.19
Anthracene	1,000	mg/kg	<0.19	NA	<0.21	NA	NA	NA	<0.19	0.32	NA	<0.19
Benzo (a) anthracene	1	mg/kg	0.69	NA	0.46	NA	NA	NA	0.95	1.9	NA	0.22
Benzo (a) pyrene	0.7	mg/kg	0.95	NA	0.48	NA	NA	NA	1.1	2.7	NA	0.31
Benzo (b) fluoranthene	1	mg/kg	1.1	NA	0.55	NA	NA	NA	1.4	2.9	NA	0.35
Benzo (g,h,i) perylene	NE	mg/kg	0.83	NA	0.30	NA	NA	NA	0.86	2.8	NA	0.39
Benzo (k) fluoranthene	12	mg/kg	0.45	NA	0.23	NA	NA	NA	0.48	1.1	NA	<0.19
Chrysene	120	mg/kg	0.70	NA	0.44	NA	NA	NA	1.0	2.3	NA	0.29
Dibenzo (a,h) anthracene	0.7	mg/kg	<0.19	NA	<0.21	NA	NA	NA	0.2	0.57	NA	<0.19
Fluoranthene	960	mg/kg	1.1	NA	0.86	NA	NA	NA	2.0	3.0	NA	0.37
Fluorene	77	mg/kg	<0.19	NA	<0.21	NA	NA	NA	<0.19	<0.21	NA	<0.19
Indeno(1,2,3-cd)pyrene	1	mg/kg	0.85	NA	0.32	NA	NA	NA	0.91	2.8	NA	0.34
2-Methylnaphthalene	NE	mg/kg	<0.19	NA	<0.21	NA	NA	NA	<0.19	<0.21	NA	<0.19
Naphthalene	5	mg/kg	<0.19	NA	<0.21	NA	NA	NA	<0.19	<0.21	NA	<0.19
Phenanthrene	NE	mg/kg	0.38	NA	0.37	NA	NA	NA	1.1	1.2	NA	0.22
Pyrene	720	mg/kg	1.0	NA	0.81	NA	NA	NA	1.9	3.6	NA	0.46
Total Petroleum Hydrocarbons - Diesel Range Organics (TPH-DRO) (SW846 8015D)												
TPH-DRO (C10-C28)	10,000	mg/kg	110	NA	33	NA	16.4	NA	120	290	NA	140
Total Petroleum Hydrocarbons - Gasoline Range Organics (TPH-GRO) (SW846 8015C)												
TPH-GRO	10,000	mg/kg	NA	<1.2	NA	<2.2	<1.8	8.9	<1.8	NA	<1.9	2.1

Notes:

- 1) Sample depths relative to ground surface.
- 2) PID readings measured in parts per million by volume (ppmv) using a photoionization detector equipped with 10.6 eV lamp
- 3) mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram
- 4) NH S-1 = Soil Remediation Standards (SRS) as defined in Env-Or 600, Contaminated Site Management
- 5) NE= SRS not established; J = Estimated value
- 6) < = Less than the laboratory reporting limit (RL) which is presented.
- 7) Bold and Shaded Concentration = Concentration detected above NH S-1 Soil Standard
- 8) Blue type denotes concentrations detected above laboratory RLs.

QA/QC REVIEW
Last Updated
By: OC Date: 8/30/21
Last Reviewed
By: JC Date: 9-17-21

Table 2
Summary of VOCs Detected in Groundwater
22 Henniker Street
Hillsborough, New Hampshire

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Isopropylbenzene	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
AGQS		5	1,000	700	10,000	800	100	260	330	330
NH GW 2		2,900	50,000	1,500	17,000	NE	1,700	NE	1,300	NE
GW	8/11/2021	7.1	39	3.4	18.6	<1.0	<2.0	<1.0	2.0	<1.0

Notes:

AGQS = New Hampshire Ambient Groundwater Quality Standards found in ENV-Or 600 - Contaminated Sites Management, Table 600-1.

NH GW-2 = Category GW-2 groundwater in considered to be a potential source of vapors of contaminants to indoor air.

< = Less than the laboratory reporting limit (RL) which is presented.

NE = Groundwater guidelines are currently not available for these compounds.

Bold indicates concentrations detected above AGQS

All results are expressed in micrograms per liter (µg/L)

QA/QC Review
Last Updated
By: OC
Date: 8/27/21
Last Reviewed
By: JC
Date: 8/27/21

Table 2A
Summary of PAHs Detected in Groundwater
22 Henniker Street
Hillsborough, New Hampshire

Sample ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
AGQS		420	420	2,100	0.1	0.2	0.1	210	0.5	5	NE	280	280	0.1	280	100	210	210
NH GW 2		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	1,700	NE	NE
GW	8/11/2021	<0.32	<0.21	<0.21	<0.053	<0.11	<0.053	<0.53	<0.21	<0.21	<0.11	<0.53	<1.1	<0.11	<1.1	<1.1	<0.053	<1.1

Notes:

AGQS = New Hampshire Ambient Groundwater Quality Standards found in ENV-Or 600 - Contaminated Sites Management, Table 600-1.

NH GW-2 = Category GW-2 groundwater in considered to be a potential source of vapors of contaminants to indoor air.

< = Less than the laboratory reporting limit (RL) which is presented.

NE = Groundwater guidelines are currently not available for these compounds.

Italicized=reporting limit above AGQS.

Blue type denotes concentrations detected above laboratory method reporting limits

All results are expressed in micrograms per liter (µg/L)

QA/QC Review
Last Updated
By: OC
Date: 8/27/21
Last Reviewed
By: JC
Date: 8/27/21

APPENDIX A

NHDES UST CLOSURE NOTIFICATION FORM



Underground Storage Tank Closure Notification Form

Oil Remediation and Compliance Bureau



RSA 146-C; Env-Or 408.06

ATTENTION: This form is a document used to facilitate the submission of information required under Env-Or 400. Nothing in this form is required to be submitted to the Department unless such a requirement is expressly stated in the rules. If there is any inconsistency between this document and the adopted rules, only those requirements specified in the rules are applicable and enforceable. Use of this form to submit information required under the rules is OPTIONAL.

The owner shall notify NHDES at least 14 days prior to any UST system or piping system permanent closure.

1. Person Reporting Notification	
Name: Steve Low	Date: 8/4/21
Address: 150 Zachary Road Unit 1, Manchester, NH 03109	Initial:
Phone: (603) 647- 7077	Email: steven.low@OneAtlas.com

2. Facility Information	
NHDES Site # 198904015	Facility ID # 0110384
Name: Former Mr Mikes Mobil	
Address: 22 Henniker Street Hillsborough, NH 03244	

3. Owner Information	
Name: Global Companies LLC	
Address: 800 South Street, Suite 500 Waltham, MA 02454	
Phone: (802) 274-9521	Email: richard.browne@globalp.com

4. Tank Removal Information - Select all that apply:			
L – Leaker Suspected R – Removed F – Filled In Place P – Piping Only Closed			
L ☐ R ☒ F ☐ P ☐	L ☐ R ☒ F ☐ P ☐	L ☐ R ☒ F ☐ P ☐	L ☐ R ☐ F ☐ P ☐
Tank # 7	Tank # 8	Tank # 9	Tank #
Size: 6,000-Gallon	Size: 8,000-Gallon	Size: 8,000-Gallon	Size:
Product: Diesel Fuel	Product: Gasoline	Product: Gasoline	Product:
Will tank/piping be replaced underground? ☐ YES ☒ NO	Will tank/piping be replaced underground? ☐ YES ☒ NO	Will tank/piping be replaced underground? ☐ YES ☒ NO	Will tank/piping be replaced underground? ☐ YES ☐ NO

5. Certified Tank Remover Present: Owen Castor ICC-U2 Certification #: 8075526

6. Local Fire Dept. Notified: Hillsborough Fire Dept. Date Notified: 8/4/21

7. Scheduled Closure Date: 8/11/21 and 8/12/21 Mailed:

APPENDIX B

PHOTOGRAPHS

Underground Storage Tank Removal
Former Mr Mikes Mobil
22 Henniker Street
Hillsborough, New Hampshire



Photograph No. 1: The USTs being uncovered after concrete pad removal, facing northeast.



Photograph No. 2: 8,000-Gallon gasoline UST being removed, facing south.

Underground Storage Tank Removal
Former Mr Mikes Mobil
22 Henniker Street
Hillsborough, New Hampshire



Photograph No. 3: 6,000-Gallon diesel UST after removal.



Photograph No. 4: USTs being destroyed in the dumpster.

Underground Storage Tank Removal
Former Mr Mikes Mobil
22 Henniker Street
Hillsborough, New Hampshire



Photograph No. 5: View of high groundwater and remaining 8,000-gallon gasoline UST.

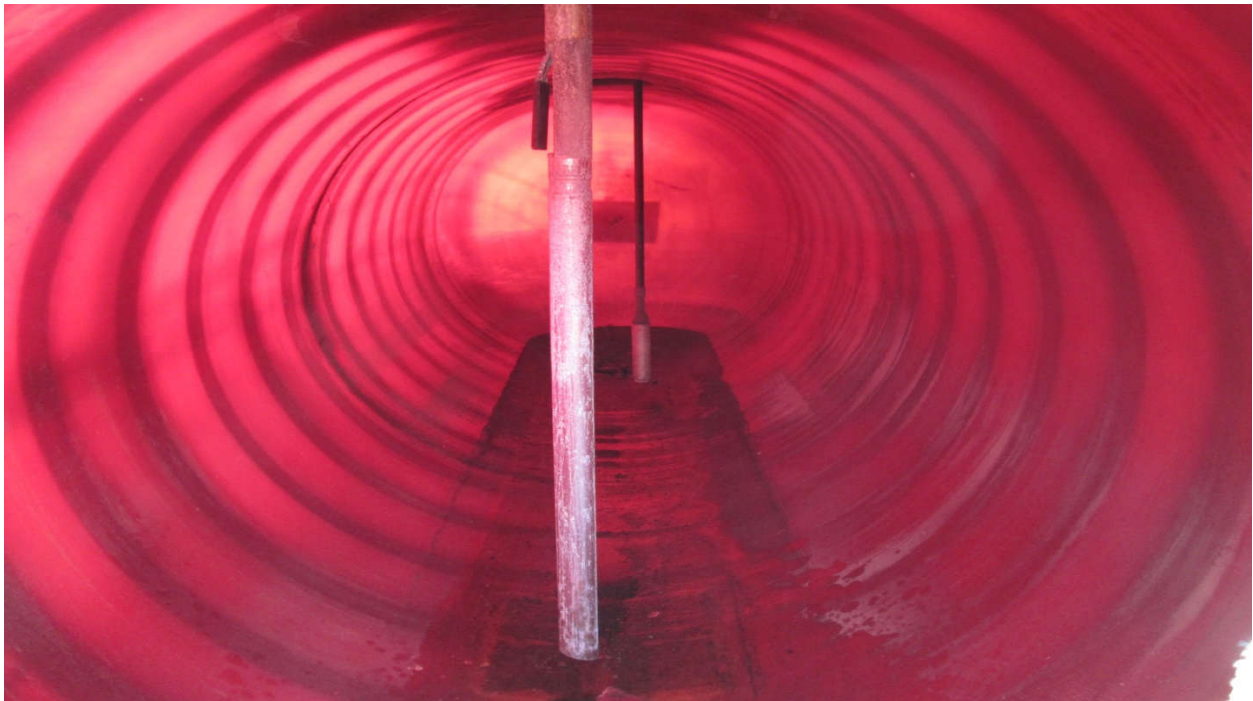


Photograph No. 6: Removal of 8,000-gallon gasoline UST.

Underground Storage Tank Removal
Former Mr Mikes Mobil
22 Henniker Street
Hillsborough, New Hampshire



Photograph No. 7: View of UST grave after all USTs removed.



Photograph No. 8: Interior view of 8,000-gallon gasoline UST.

Underground Storage Tank Removal
Former Mr Mikes Mobil
22 Henniker Street
Hillsborough, New Hampshire



Photograph No. 9: View of coal ash observed in western sidewall adjacent to 8,000-gallon gasoline UST.



Photograph No. 10: View of removal of dispensers and product lines.

Underground Storage Tank Removal
Former Mr Mikes Mobil
22 Henniker Street
Hillsborough, New Hampshire



Photograph No. 11: View of UST grave backfilled, facing northwest.



Photograph No. 12: View of UST grave backfilled, facing northeast.

APPENDIX C

LABORATORY ANALYTICAL REPORTS

August 23, 2021

Steven Low
ATC Group Services LLC - NH
150 Zachary Road, Unit #1
Manchester, NH 03109

Project Location: Hillsborough, NH
Client Job Number:
Project Number: 0221074521
Laboratory Work Order Number: 21H0695

Enclosed are results of analyses for samples received by the laboratory on August 13, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kaitlyn A. Feliciano
Project Manager

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

ATC Group Services LLC - NH
150 Zachary Road, Unit #1
Manchester, NH 03109
ATTN: Steven Low

REPORT DATE: 8/23/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 0221074521

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21H0695

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

PROJECT LOCATION: Hillsborough, NH

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SW-N 4-6'	21H0695-01	Soil		SM 2540G SW-846 8015C SW-846 8260C-D SW-846 8270D-E	
SW-E1 (4-6')	21H0695-02	Soil		SM 2540G SW-846 8015C SW-846 8260C-D	
Comp-1	21H0695-03	Soil		SM 2540G SW-846 8015C SW-846 8270D-E	
GW	21H0695-04	Ground Water		SW-846 8260C-D SW-846 8270D-E	
SW-W2 (4-6')	21H0695-05	Soil		SM 2540G SW-846 8015C SW-846 8260C-D	
SW-5 (4-6')	21H0695-06	Soil		SM 2540G SW-846 8015C SW-846 8260C-D	
SW-E2 (4-6')	21H0695-07	Soil		SM 2540G SW-846 8015C SW-846 8260C-D	
Vents 2.5'	21H0695-08	Soil		SM 2540G SW-846 8015C SW-846 8260C-D SW-846 8270D-E	
D2 4'	21H0695-09	Soil		SM 2540G SW-846 8015C SW-846 8260C-D SW-846 8270D-E	
D3 2.5'	21H0695-10	Soil		SM 2540G SW-846 8015C SW-846 8260C-D	
L-1 3'	21H0695-11	Soil		SM 2540G SW-846 8015C SW-846 8260C-D SW-846 8270D-E	
Trip Blank	21H0695-12	Water		SW-846 8260C-D	

CASE NARRATIVE SUMMARY

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

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

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SW-846 8015C

Qualifications:**MS-19**

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:**Diesel Range Organics**

B288215-MS1, B288215-MSD1

SW-846 8260C-D

Qualifications:**L-07**

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

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

B288278-BS1

trans-1,4-Dichloro-2-butene

B288273-BS1

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:**1,2,3-Trichlorobenzene**

21H0695-04[GW], 21H0695-12[Trip Blank], B288278-BLK1, B288278-BS1, B288278-BSD1

1,2,4-Trichlorobenzene

21H0695-04[GW], 21H0695-12[Trip Blank], B288278-BLK1, B288278-BS1, B288278-BSD1

Dichlorodifluoromethane (Freon 12)

21H0695-07[SW-E2 (4-6')], 21H0695-08[Vents 2.5'], 21H0695-09[D2 4'], 21H0695-10[D3 2.5'], 21H0695-11[L-1 3'], B288274-BLK1, B288274-BS1, B288274-BSD1

Naphthalene

21H0695-04[GW], 21H0695-12[Trip Blank], B288278-BLK1, B288278-BS1, B288278-BSD1

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:**Chloromethane**

B288278-BS1, B288278-BSD1

V-34

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

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

21H0695-01[SW-N 4-6'], 21H0695-02[SW-E1 (4-6')], 21H0695-05[SW-W2 (4-6')], 21H0695-06[SW-5 (4-6')], B288273-BLK1, B288273-BS1, B288273-BSD1

SW-846 8270D-E

Qualifications:**R-06**

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:**Benzo(b)fluoranthene**

21H0695-11[L-1 3'], B288216-MS1, B288216-MSD1

Fluoranthene

21H0695-11[L-1 3'], B288216-MS1, B288216-MSD1

Pyrene

21H0695-11[L-1 3'], B288216-MS1, B288216-MSD1

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**SW-846 8015C**

Gasoline Range Organics (2-Methylpentane through 1,2,4-Trimethylbenzene) is quantitated against a calibration made with an unleaded gasoline composite standard.

Diesel Range Organics (C10-C28) is quantitated against a calibration made with a #2 fuel oil standard.

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. Kopyscinski
Laboratory Director

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-N 4-6'

Sampled: 8/11/2021 13:00

Sample ID: 21H0695-01

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	0.084	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Acrylonitrile	ND	0.0051	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00084	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Benzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Bromobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Bromochloromethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Bromodichloromethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Bromoform	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Bromomethane	ND	0.0084	mg/Kg dry	1	V-34	SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
2-Butanone (MEK)	ND	0.034	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
tert-Butyl Alcohol (TBA)	ND	0.084	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
n-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
sec-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
tert-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00084	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Carbon Disulfide	ND	0.0051	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Carbon Tetrachloride	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Chlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Chlorodibromomethane	ND	0.00084	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Chloroethane	ND	0.017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Chloroform	ND	0.0034	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Chloromethane	ND	0.0084	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
2-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
4-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,2-Dibromoethane (EDB)	ND	0.00084	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Dibromomethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,2-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,3-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,4-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
trans-1,4-Dichloro-2-butene	ND	0.0034	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,1-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,2-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,1-Dichloroethylene	ND	0.0034	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
cis-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
trans-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,3-Dichloropropane	ND	0.00084	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
2,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,1-Dichloropropene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
cis-1,3-Dichloropropene	ND	0.00084	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
trans-1,3-Dichloropropene	ND	0.00084	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Diethyl Ether	ND	0.017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-N 4-6'

Sampled: 8/11/2021 13:00

Sample ID: 21H0695-01

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	0.00084	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,4-Dioxane	ND	0.084	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Ethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Hexachlorobutadiene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
2-Hexanone (MBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Isopropylbenzene (Cumene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Methyl Acetate	ND	0.0034	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0034	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Methyl Cyclohexane	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Methylene Chloride	ND	0.017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Naphthalene	ND	0.0034	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
n-Propylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Styrene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,1,1,2-Tetrachloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.00084	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Tetrachloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Tetrahydrofuran	ND	0.0084	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Toluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,2,3-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,2,4-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,3,5-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,1,1-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,1,2-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Trichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0084	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,2,3-Trichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0084	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,2,4-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
1,3,5-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Vinyl Chloride	ND	0.0084	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
m+p Xylene	ND	0.0034	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
o-Xylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:40	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	102	70-130							
Toluene-d8	97.2	70-130							
4-Bromofluorobenzene	93.4	70-130							

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-N 4-6'

Sampled: 8/11/2021 13:00

Sample ID: 21H0695-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 12:59	IMR
Acenaphthylene	0.20	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 12:59	IMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 12:59	IMR
Benzo(a)anthracene	0.69	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 12:59	IMR
Benzo(a)pyrene	0.95	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 12:59	IMR
Benzo(b)fluoranthene	1.1	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 12:59	IMR
Benzo(g,h,i)perylene	0.83	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 12:59	IMR
Benzo(k)fluoranthene	0.45	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 12:59	IMR
Chrysene	0.70	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 12:59	IMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 12:59	IMR
Fluoranthene	1.1	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 12:59	IMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 12:59	IMR
Indeno(1,2,3-cd)pyrene	0.85	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 12:59	IMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 12:59	IMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 12:59	IMR
Phenanthrene	0.38	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 12:59	IMR
Pyrene	1.0	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 12:59	IMR
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	52.5	30-130							
2-Fluorobiphenyl	64.0	30-130							
p-Terphenyl-d14	72.0	30-130							

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-N 4-6'

Sampled: 8/11/2021 13:00

Sample ID: 21H0695-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diesel Range Organics	110	46	mg/Kg dry	5		SW-846 8015C	8/14/21	8/17/21 21:05	SFM
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
2-Fluorobiphenyl	81.5		40-140					8/17/21 21:05	

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-N 4-6'

Sampled: 8/11/2021 13:00

Sample ID: 21H0695-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.7		% Wt	1		SM 2540G	8/19/21	8/21/21 8:01	JML

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-E1 (4-6')

Sampled: 8/11/2021 14:30

Sample ID: 21H0695-02

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	0.079	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Acrylonitrile	ND	0.0047	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00079	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Benzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Bromobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Bromochloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Bromodichloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Bromoform	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Bromomethane	ND	0.0079	mg/Kg dry	1	V-34	SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
tert-Butyl Alcohol (TBA)	ND	0.079	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
n-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
sec-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
tert-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00079	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Carbon Disulfide	ND	0.0047	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Carbon Tetrachloride	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Chlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Chlorodibromomethane	ND	0.00079	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Chloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Chloromethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
2-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
4-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,2-Dibromoethane (EDB)	ND	0.00079	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Dibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,2-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,3-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,4-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
trans-1,4-Dichloro-2-butene	ND	0.0031	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,1-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,2-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,1-Dichloroethylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
cis-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
trans-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,3-Dichloropropane	ND	0.00079	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
2,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,1-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
cis-1,3-Dichloropropene	ND	0.00079	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
trans-1,3-Dichloropropene	ND	0.00079	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Diethyl Ether	ND	0.016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-E1 (4-6')

Sampled: 8/11/2021 14:30

Sample ID: 21H0695-02

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	0.00079	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,4-Dioxane	ND	0.079	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Ethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Hexachlorobutadiene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
2-Hexanone (MBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Methyl Acetate	ND	0.0031	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Methyl Cyclohexane	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,1,2,2-Tetrachloroethane	ND	0.00079	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Tetrahydrofuran	ND	0.0079	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,3,5-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Trichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0079	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0079	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Vinyl Chloride	ND	0.0079	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:04	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	98.5	70-130							
Toluene-d8	96.8	70-130							
4-Bromofluorobenzene	93.8	70-130							

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-E1 (4-6')

Sampled: 8/11/2021 14:30

Sample ID: 21H0695-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Gasoline Range Organics (GRO)	ND	1.2	mg/Kg dry	1		SW-846 8015C	8/16/21	8/16/21 20:23	KMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
1-Chloro-3-fluorobenzene	93.3		70-130					8/16/21 20:23	

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-E1 (4-6')

Sampled: 8/11/2021 14:30

Sample ID: 21H0695-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.2		% Wt	1		SM 2540G	8/19/21	8/21/21 8:02	JML

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: Comp-1

Sampled: 8/11/2021 14:40

Sample ID: 21H0695-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:22	IMR
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:22	IMR
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:22	IMR
Benzo(a)anthracene	0.46	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:22	IMR
Benzo(a)pyrene	0.48	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:22	IMR
Benzo(b)fluoranthene	0.55	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:22	IMR
Benzo(g,h,i)perylene	0.30	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:22	IMR
Benzo(k)fluoranthene	0.23	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:22	IMR
Chrysene	0.44	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:22	IMR
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:22	IMR
Fluoranthene	0.86	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:22	IMR
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:22	IMR
Indeno(1,2,3-cd)pyrene	0.32	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:22	IMR
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:22	IMR
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:22	IMR
Phenanthrene	0.37	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:22	IMR
Pyrene	0.81	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:22	IMR
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	73.9	30-130							
2-Fluorobiphenyl	76.9	30-130							
p-Terphenyl-d14	84.7	30-130							

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: Comp-1

Sampled: 8/11/2021 14:40

Sample ID: 21H0695-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diesel Range Organics	33	11	mg/Kg dry	1		SW-846 8015C	8/14/21	8/17/21 21:36	SFM
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
2-Fluorobiphenyl	70.0	40-140						8/17/21 21:36	

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: Comp-1

Sampled: 8/11/2021 14:40

Sample ID: 21H0695-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.3		% Wt	1		SM 2540G	8/19/21	8/21/21 8:02	JML

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: GW

Sampled: 8/11/2021 11:25

Sample ID: 21H0695-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Benzene	7.1	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: GW

Sampled: 8/11/2021 11:25

Sample ID: 21H0695-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethylbenzene	3.4	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Toluene	39	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,2,4-Trimethylbenzene	2.0	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
m+p Xylene	12	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF
o-Xylene	6.6	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 18:43	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	114	70-130	8/16/21 18:43
Toluene-d8	106	70-130	8/16/21 18:43
4-Bromofluorobenzene	99.0	70-130	8/16/21 18:43

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: GW

Sampled: 8/11/2021 11:25

Sample ID: 21H0695-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.32	µg/L	1		SW-846 8270D-E	8/16/21	8/19/21 16:36	cla
Acenaphthylene (SIM)	ND	0.21	µg/L	1		SW-846 8270D-E	8/16/21	8/19/21 16:36	cla
Anthracene (SIM)	ND	0.21	µg/L	1		SW-846 8270D-E	8/16/21	8/19/21 16:36	cla
Benzo(a)anthracene (SIM)	ND	0.053	µg/L	1		SW-846 8270D-E	8/16/21	8/19/21 16:36	cla
Benzo(a)pyrene (SIM)	ND	0.11	µg/L	1		SW-846 8270D-E	8/16/21	8/19/21 16:36	cla
Benzo(b)fluoranthene (SIM)	ND	0.053	µg/L	1		SW-846 8270D-E	8/16/21	8/19/21 16:36	cla
Benzo(g,h,i)perylene (SIM)	ND	0.53	µg/L	1		SW-846 8270D-E	8/16/21	8/19/21 16:36	cla
Benzo(k)fluoranthene (SIM)	ND	0.21	µg/L	1		SW-846 8270D-E	8/16/21	8/19/21 16:36	cla
Chrysene (SIM)	ND	0.21	µg/L	1		SW-846 8270D-E	8/16/21	8/19/21 16:36	cla
Dibenz(a,h)anthracene (SIM)	ND	0.11	µg/L	1		SW-846 8270D-E	8/16/21	8/19/21 16:36	cla
Fluoranthene (SIM)	ND	0.53	µg/L	1		SW-846 8270D-E	8/16/21	8/19/21 16:36	cla
Fluorene (SIM)	ND	1.1	µg/L	1		SW-846 8270D-E	8/16/21	8/19/21 16:36	cla
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.11	µg/L	1		SW-846 8270D-E	8/16/21	8/19/21 16:36	cla
2-Methylnaphthalene (SIM)	ND	1.1	µg/L	1		SW-846 8270D-E	8/16/21	8/19/21 16:36	cla
Naphthalene (SIM)	ND	1.1	µg/L	1		SW-846 8270D-E	8/16/21	8/19/21 16:36	cla
Phenanthrene (SIM)	ND	0.053	µg/L	1		SW-846 8270D-E	8/16/21	8/19/21 16:36	cla
Pyrene (SIM)	ND	1.1	µg/L	1		SW-846 8270D-E	8/16/21	8/19/21 16:36	cla
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	63.6	30-130						8/19/21 16:36	
2-Fluorobiphenyl	66.5	30-130						8/19/21 16:36	
p-Terphenyl-d14	73.9	30-130						8/19/21 16:36	

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-W2 (4-6')

Sampled: 8/12/2021 11:10

Sample ID: 21H0695-05

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	0.10	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Acrylonitrile	ND	0.0060	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Bromochloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Bromomethane	ND	0.010	mg/Kg dry	1	V-34	SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
tert-Butyl Alcohol (TBA)	ND	0.10	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Carbon Disulfide	ND	0.0060	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Chloroform	ND	0.0040	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Diethyl Ether	ND	0.020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-W2 (4-6')

Sampled: 8/12/2021 11:10

Sample ID: 21H0695-05

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	0.0010	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,4-Dioxane	ND	0.10	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Methyl Acetate	ND	0.0040	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Methyl Cyclohexane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Naphthalene	ND	0.0040	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,3,5-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
m+p Xylene	ND	0.0040	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:29	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	101	70-130							
Toluene-d8	100	70-130							
4-Bromofluorobenzene	93.5	70-130							

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-W2 (4-6')

Sampled: 8/12/2021 11:10

Sample ID: 21H0695-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Gasoline Range Organics (GRO)	ND	2.2	mg/Kg dry	1		SW-846 8015C	8/16/21	8/16/21 21:02	KMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
1-Chloro-3-fluorobenzene	91.8		70-130					8/16/21 21:02	

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-W2 (4-6')

Sampled: 8/12/2021 11:10

Sample ID: 21H0695-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.5		% Wt	1		SM 2540G	8/19/21	8/21/21 8:02	JML

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-5 (4-6')

Sampled: 8/12/2021 11:20

Sample ID: 21H0695-06

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	0.089	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Acrylonitrile	ND	0.0053	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00089	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Bromochloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Bromomethane	ND	0.0089	mg/Kg dry	1	V-34	SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
2-Butanone (MEK)	ND	0.036	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
tert-Butyl Alcohol (TBA)	ND	0.089	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00089	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Carbon Disulfide	ND	0.0053	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Chlorodibromomethane	ND	0.00089	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Chloroform	ND	0.0036	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Chloromethane	ND	0.0089	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,2-Dibromoethane (EDB)	ND	0.00089	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
trans-1,4-Dichloro-2-butene	ND	0.0036	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,1-Dichloroethylene	ND	0.0036	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,3-Dichloropropane	ND	0.00089	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
cis-1,3-Dichloropropene	ND	0.00089	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
trans-1,3-Dichloropropene	ND	0.00089	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Diethyl Ether	ND	0.018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-5 (4-6')

Sampled: 8/12/2021 11:20

Sample ID: 21H0695-06

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	0.00089	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,4-Dioxane	ND	0.089	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Methyl Acetate	ND	0.0036	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0036	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Methyl Cyclohexane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Naphthalene	ND	0.0036	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,1,2,2-Tetrachloroethane	ND	0.00089	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Tetrahydrofuran	ND	0.0089	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,3,5-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0089	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0089	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Vinyl Chloride	ND	0.0089	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
m+p Xylene	ND	0.0036	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:53	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	99.2	70-130							
Toluene-d8	99.8	70-130							
4-Bromofluorobenzene	96.1	70-130							

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-5 (4-6')

Sampled: 8/12/2021 11:20

Sample ID: 21H0695-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Gasoline Range Organics (GRO)	ND	1.8	mg/Kg dry	1		SW-846 8015C	8/16/21	8/16/21 21:39	KMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1-Chloro-3-fluorobenzene	94.2	70-130						8/16/21 21:39	

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-5 (4-6')

Sampled: 8/12/2021 11:20

Sample ID: 21H0695-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	76.2		% Wt	1		SM 2540G	8/19/21	8/21/21 8:02	JML

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-E2 (4-6')

Sampled: 8/12/2021 11:35

Sample ID: 21H0695-07

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	0.072	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Acrylonitrile	ND	0.0043	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00072	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Bromochloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Bromodichloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Bromoform	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Bromomethane	ND	0.0072	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
2-Butanone (MEK)	ND	0.029	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
tert-Butyl Alcohol (TBA)	ND	0.072	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
n-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00072	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Carbon Disulfide	ND	0.0043	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Carbon Tetrachloride	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Chlorodibromomethane	ND	0.00072	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Chloroethane	ND	0.014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Chloroform	ND	0.0029	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Chloromethane	ND	0.0072	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,2-Dibromoethane (EDB)	ND	0.00072	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,3-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,4-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
trans-1,4-Dichloro-2-butene	ND	0.0029	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	mg/Kg dry	1	V-05	SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,1-Dichloroethylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,3-Dichloropropane	ND	0.00072	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
2,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
cis-1,3-Dichloropropene	ND	0.00072	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
trans-1,3-Dichloropropene	ND	0.00072	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Diethyl Ether	ND	0.014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-E2 (4-6')

Sampled: 8/12/2021 11:35

Sample ID: 21H0695-07

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	0.00072	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,4-Dioxane	ND	0.072	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Methyl Acetate	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0029	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Methyl Cyclohexane	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Methylene Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Naphthalene	ND	0.0029	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,1,2,2-Tetrachloroethane	ND	0.00072	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Tetrahydrofuran	ND	0.0072	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,2,3-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,2,4-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,3,5-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,1,1-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0072	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,2,3-Trichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0072	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
1,3,5-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Vinyl Chloride	ND	0.0072	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
m+p Xylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:21	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	96.6	70-130							
Toluene-d8	99.0	70-130							
4-Bromofluorobenzene	101	70-130							

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-E2 (4-6')

Sampled: 8/12/2021 11:35

Sample ID: 21H0695-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Gasoline Range Organics (GRO)	8.9	1.5	mg/Kg dry	1		SW-846 8015C	8/16/21	8/16/21 22:18	KMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
1-Chloro-3-fluorobenzene	94.6	70-130						8/16/21 22:18	

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: SW-E2 (4-6')

Sampled: 8/12/2021 11:35

Sample ID: 21H0695-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.7		% Wt	1		SM 2540G	8/19/21	8/21/21 8:02	JML

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: Vents 2.5'

Sampled: 8/12/2021 12:10

Sample ID: 21H0695-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.12	0.11	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Acrylonitrile	ND	0.0068	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Benzene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Bromobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Bromochloromethane	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Bromodichloromethane	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Bromoform	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
2-Butanone (MEK)	ND	0.045	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
tert-Butyl Alcohol (TBA)	ND	0.11	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
n-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
sec-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
tert-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Carbon Disulfide	ND	0.0068	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Carbon Tetrachloride	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Chlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Chloroethane	ND	0.023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Chloroform	ND	0.0045	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
2-Chlorotoluene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
4-Chlorotoluene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Dibromomethane	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,2-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,3-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,4-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
trans-1,4-Dichloro-2-butene	ND	0.0045	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	mg/Kg dry	1	V-05	SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,1-Dichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,2-Dichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,1-Dichloroethylene	ND	0.0045	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
cis-1,2-Dichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
trans-1,2-Dichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,2-Dichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
2,2-Dichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,1-Dichloropropene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
trans-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Diethyl Ether	ND	0.023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: Vents 2.5'

Sampled: 8/12/2021 12:10

Sample ID: 21H0695-08

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	0.0011	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,4-Dioxane	ND	0.11	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Ethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Hexachlorobutadiene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
2-Hexanone (MBK)	ND	0.023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Isopropylbenzene (Cumene)	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Methyl Acetate	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0045	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Methyl Cyclohexane	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Methylene Chloride	ND	0.023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Naphthalene	ND	0.0045	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
n-Propylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Styrene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Tetrachloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Toluene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,2,3-Trichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,2,4-Trichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,3,5-Trichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,1,1-Trichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,1,2-Trichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Trichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,2,3-Trichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,2,4-Trimethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
1,3,5-Trimethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
m+p Xylene	ND	0.0045	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
o-Xylene	ND	0.0023	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 13:49	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	96.4	70-130							
Toluene-d8	97.7	70-130							
4-Bromofluorobenzene	99.9	70-130							

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: Vents 2.5'

Sampled: 8/12/2021 12:10

Sample ID: 21H0695-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:45	IMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:45	IMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:45	IMR
Benzo(a)anthracene	0.95	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:45	IMR
Benzo(a)pyrene	1.1	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:45	IMR
Benzo(b)fluoranthene	1.4	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:45	IMR
Benzo(g,h,i)perylene	0.86	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:45	IMR
Benzo(k)fluoranthene	0.48	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:45	IMR
Chrysene	1.0	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:45	IMR
Dibenz(a,h)anthracene	0.20	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:45	IMR
Fluoranthene	2.0	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:45	IMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:45	IMR
Indeno(1,2,3-cd)pyrene	0.91	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:45	IMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:45	IMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:45	IMR
Phenanthrene	1.1	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:45	IMR
Pyrene	1.9	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 13:45	IMR
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	61.1	30-130							
2-Fluorobiphenyl	66.6	30-130							
p-Terphenyl-d14	76.0	30-130							

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Sampled: 8/12/2021 12:10

Field Sample #: Vents 2.5'

Sample ID: 21H0695-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Gasoline Range Organics (GRO)	ND	1.8	mg/Kg dry	1		SW-846 8015C	8/16/21	8/16/21 22:56	KMB
Diesel Range Organics	120	47	mg/Kg dry	5		SW-846 8015C	8/14/21	8/18/21 2:59	SFM
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
1-Chloro-3-fluorobenzene	97.3		70-130					8/16/21 22:56	
2-Fluorobiphenyl	89.4		40-140					8/18/21 2:59	

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: Vents 2.5'

Sampled: 8/12/2021 12:10

Sample ID: 21H0695-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.9		% Wt	1		SM 2540G	8/19/21	8/21/21 8:02	JML

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: D2 4'

Sampled: 8/12/2021 12:30

Sample ID: 21H0695-09

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	0.088	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Acrylonitrile	ND	0.0053	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00088	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Bromochloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Bromomethane	ND	0.0088	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
2-Butanone (MEK)	ND	0.035	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
tert-Butyl Alcohol (TBA)	ND	0.088	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00088	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Carbon Disulfide	ND	0.0053	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Chlorodibromomethane	ND	0.00088	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Chloroform	ND	0.0035	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Chloromethane	ND	0.0088	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,2-Dibromoethane (EDB)	ND	0.00088	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
trans-1,4-Dichloro-2-butene	ND	0.0035	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1	V-05	SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,1-Dichloroethylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,3-Dichloropropane	ND	0.00088	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
cis-1,3-Dichloropropene	ND	0.00088	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
trans-1,3-Dichloropropene	ND	0.00088	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Diethyl Ether	ND	0.018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: D2 4'

Sampled: 8/12/2021 12:30

Sample ID: 21H0695-09

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	0.00088	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,4-Dioxane	ND	0.088	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Methyl Acetate	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0035	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Methyl Cyclohexane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Naphthalene	ND	0.0035	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,1,2,2-Tetrachloroethane	ND	0.00088	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Tetrahydrofuran	ND	0.0088	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,3,5-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0088	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0088	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Vinyl Chloride	ND	0.0088	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
m+p Xylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:17	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	98.4	70-130							
Toluene-d8	97.8	70-130							
4-Bromofluorobenzene	98.2	70-130							

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: D2 4'

Sampled: 8/12/2021 12:30

Sample ID: 21H0695-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:08	IMR
Acenaphthylene	0.62	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:08	IMR
Anthracene	0.32	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:08	IMR
Benzo(a)anthracene	1.9	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:08	IMR
Benzo(a)pyrene	2.7	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:08	IMR
Benzo(b)fluoranthene	2.9	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:08	IMR
Benzo(g,h,i)perylene	2.8	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:08	IMR
Benzo(k)fluoranthene	1.1	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:08	IMR
Chrysene	2.3	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:08	IMR
Dibenz(a,h)anthracene	0.57	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:08	IMR
Fluoranthene	3.0	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:08	IMR
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:08	IMR
Indeno(1,2,3-cd)pyrene	2.8	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:08	IMR
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:08	IMR
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:08	IMR
Phenanthrene	1.2	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:08	IMR
Pyrene	3.6	0.21	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:08	IMR
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	71.7	30-130							
2-Fluorobiphenyl	79.0	30-130							
p-Terphenyl-d14	105	30-130							

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: D2 4'

Sampled: 8/12/2021 12:30

Sample ID: 21H0695-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diesel Range Organics	290	51	mg/Kg dry	5		SW-846 8015C	8/14/21	8/18/21 5:36	SFM
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
2-Fluorobiphenyl	83.1		40-140					8/18/21 5:36	

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: D2 4'

Sampled: 8/12/2021 12:30

Sample ID: 21H0695-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.4		% Wt	1		SM 2540G	8/19/21	8/21/21 8:02	JML

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: D3 2.5'

Sampled: 8/12/2021 12:45

Sample ID: 21H0695-10

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	0.096	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Acrylonitrile	ND	0.0058	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00096	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Benzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Bromobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Bromochloromethane	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Bromodichloromethane	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Bromoform	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Bromomethane	ND	0.0096	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
2-Butanone (MEK)	ND	0.038	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
tert-Butyl Alcohol (TBA)	ND	0.096	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
n-Butylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
sec-Butylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
tert-Butylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00096	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Carbon Disulfide	ND	0.0058	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Carbon Tetrachloride	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Chlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Chlorodibromomethane	ND	0.00096	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Chloroethane	ND	0.019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Chloroform	ND	0.0038	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Chloromethane	ND	0.0096	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
2-Chlorotoluene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
4-Chlorotoluene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,2-Dibromoethane (EDB)	ND	0.00096	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Dibromomethane	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,2-Dichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,3-Dichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,4-Dichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
trans-1,4-Dichloro-2-butene	ND	0.0038	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.019	mg/Kg dry	1	V-05	SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,1-Dichloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,2-Dichloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,1-Dichloroethylene	ND	0.0038	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
cis-1,2-Dichloroethylene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
trans-1,2-Dichloroethylene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,2-Dichloropropane	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,3-Dichloropropane	ND	0.00096	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
2,2-Dichloropropane	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,1-Dichloropropene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
cis-1,3-Dichloropropene	ND	0.00096	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
trans-1,3-Dichloropropene	ND	0.00096	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Diethyl Ether	ND	0.019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: D3 2.5'

Sampled: 8/12/2021 12:45

Sample ID: 21H0695-10

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	0.00096	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,4-Dioxane	ND	0.096	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Ethylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Hexachlorobutadiene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
2-Hexanone (MBK)	ND	0.019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Isopropylbenzene (Cumene)	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Methyl Acetate	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0038	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Methyl Cyclohexane	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Methylene Chloride	ND	0.019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Naphthalene	ND	0.0038	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
n-Propylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Styrene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,1,1,2-Tetrachloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,1,2,2-Tetrachloroethane	ND	0.00096	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Tetrachloroethylene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Tetrahydrofuran	ND	0.0096	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Toluene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,2,3-Trichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,2,4-Trichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,3,5-Trichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,1,1-Trichloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,1,2-Trichloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Trichloroethylene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0096	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,2,3-Trichloropropane	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0096	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,2,4-Trimethylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
1,3,5-Trimethylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Vinyl Chloride	ND	0.0096	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
m+p Xylene	ND	0.0038	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
o-Xylene	ND	0.0019	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 14:45	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	96.2	70-130							
Toluene-d8	96.8	70-130							
4-Bromofluorobenzene	101	70-130							

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: D3 2.5'

Sampled: 8/12/2021 12:45

Sample ID: 21H0695-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Gasoline Range Organics (GRO)	ND	1.9	mg/Kg dry	1		SW-846 8015C	8/16/21	8/16/21 23:34	KMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
1-Chloro-3-fluorobenzene	103		70-130					8/16/21 23:34	

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: D3 2.5'

Sampled: 8/12/2021 12:45

Sample ID: 21H0695-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.4		% Wt	1		SM 2540G	8/19/21	8/21/21 8:02	JML

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: L-1 3'

Sampled: 8/12/2021 13:00

Sample ID: 21H0695-11

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	0.099	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Acrylonitrile	ND	0.0059	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00099	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Bromochloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Bromomethane	ND	0.0099	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
2-Butanone (MEK)	ND	0.039	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
tert-Butyl Alcohol (TBA)	ND	0.099	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00099	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Carbon Disulfide	ND	0.0059	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Chlorodibromomethane	ND	0.00099	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Chloroform	ND	0.0039	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Chloromethane	ND	0.0099	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,2-Dibromoethane (EDB)	ND	0.00099	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
trans-1,4-Dichloro-2-butene	ND	0.0039	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1	V-05	SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,1-Dichloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,3-Dichloropropane	ND	0.00099	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
cis-1,3-Dichloropropene	ND	0.00099	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
trans-1,3-Dichloropropene	ND	0.00099	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Diethyl Ether	ND	0.020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: L-1 3'

Sampled: 8/12/2021 13:00

Sample ID: 21H0695-11

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	0.00099	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,4-Dioxane	ND	0.099	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Methyl Acetate	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0039	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Methyl Cyclohexane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Naphthalene	ND	0.0039	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,1,2,2-Tetrachloroethane	ND	0.00099	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Tetrahydrofuran	ND	0.0099	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,3,5-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0099	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0099	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Vinyl Chloride	ND	0.0099	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
m+p Xylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C-D	8/16/21	8/16/21 15:14	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	97.1	70-130							
Toluene-d8	98.2	70-130							
4-Bromofluorobenzene	101	70-130							

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: L-1 3'

Sampled: 8/12/2021 13:00

Sample ID: 21H0695-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:31	IMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:31	IMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:31	IMR
Benzo(a)anthracene	0.22	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:31	IMR
Benzo(a)pyrene	0.31	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:31	IMR
Benzo(b)fluoranthene	0.35	0.19	mg/Kg dry	1	R-06	SW-846 8270D-E	8/14/21	8/16/21 14:31	IMR
Benzo(g,h,i)perylene	0.39	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:31	IMR
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:31	IMR
Chrysene	0.29	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:31	IMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:31	IMR
Fluoranthene	0.37	0.19	mg/Kg dry	1	R-06	SW-846 8270D-E	8/14/21	8/16/21 14:31	IMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:31	IMR
Indeno(1,2,3-cd)pyrene	0.34	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:31	IMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:31	IMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:31	IMR
Phenanthrene	0.22	0.19	mg/Kg dry	1		SW-846 8270D-E	8/14/21	8/16/21 14:31	IMR
Pyrene	0.46	0.19	mg/Kg dry	1	R-06	SW-846 8270D-E	8/14/21	8/16/21 14:31	IMR
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Nitrobenzene-d5	53.0	30-130						8/16/21 14:31	
2-Fluorobiphenyl	69.3	30-130						8/16/21 14:31	
p-Terphenyl-d14	89.9	30-130						8/16/21 14:31	

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: L-1 3'

Sampled: 8/12/2021 13:00

Sample ID: 21H0695-11

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Gasoline Range Organics (GRO)	2.1	1.6	mg/Kg dry	1		SW-846 8015C	8/16/21	8/17/21 0:13	KMB
Diesel Range Organics	140	46	mg/Kg dry	5		SW-846 8015C	8/14/21	8/18/21 3:30	SFM
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
1-Chloro-3-fluorobenzene	97.3		70-130					8/17/21 0:13	
2-Fluorobiphenyl	117		40-140					8/18/21 3:30	

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: L-1 3'

Sampled: 8/12/2021 13:00

Sample ID: 21H0695-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.8		% Wt	1		SM 2540G	8/19/21	8/21/21 8:03	JML

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: Trip Blank

Sampled: 8/12/2021 00:00

Sample ID: 21H0695-12

Sample Matrix: 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 8260C-D	8/16/21	8/16/21 13:30	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF

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Project Location: Hillsborough, NH

Sample Description:

Work Order: 21H0695

Date Received: 8/13/2021

Field Sample #: Trip Blank

Sampled: 8/12/2021 00:00

Sample ID: 21H0695-12

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	8/16/21	8/16/21 13:30	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	118	70-130	8/16/21 13:30
Toluene-d8	106	70-130	8/16/21 13:30
4-Bromofluorobenzene	102	70-130	8/16/21 13:30

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Sample Extraction Data

Prep Method: % Solids Analytical Method: SM 2540G

Lab Number [Field ID]	Batch	Date
21H0695-01 [SW-N 4-6']	B288568	08/19/21
21H0695-02 [SW-E1 (4-6')]	B288568	08/19/21
21H0695-03 [Comp-1]	B288568	08/19/21
21H0695-05 [SW-W2 (4-6')]	B288568	08/19/21
21H0695-06 [SW-5 (4-6')]	B288568	08/19/21
21H0695-07 [SW-E2 (4-6')]	B288568	08/19/21
21H0695-08 [Vents 2.5']	B288568	08/19/21
21H0695-09 [D2 4']	B288568	08/19/21
21H0695-10 [D3 2.5']	B288568	08/19/21
21H0695-11 [L-1 3']	B288568	08/19/21

Prep Method: SW-846 3546 Analytical Method: SW-846 8015C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21H0695-01 [SW-N 4-6']	B288215	30.0	1.00	08/14/21
21H0695-03 [Comp-1]	B288215	30.0	1.00	08/14/21
21H0695-08 [Vents 2.5']	B288215	30.0	1.00	08/14/21
21H0695-09 [D2 4']	B288215	30.0	1.00	08/14/21
21H0695-11 [L-1 3']	B288215	30.0	1.00	08/14/21

Prep Method: SW-846 5030B Analytical Method: SW-846 8015C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21H0695-02 [SW-E1 (4-6')]	B288283	15.6	16.8	08/16/21
21H0695-05 [SW-W2 (4-6')]	B288283	11.1	17.8	08/16/21
21H0695-06 [SW-5 (4-6')]	B288283	13.1	18.1	08/16/21
21H0695-07 [SW-E2 (4-6')]	B288283	12.3	16.4	08/16/21
21H0695-08 [Vents 2.5']	B288283	10.1	16.2	08/16/21
21H0695-10 [D3 2.5']	B288283	12.0	17.6	08/16/21
21H0695-11 [L-1 3']	B288283	11.0	16.1	08/16/21

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21H0695-01 [SW-N 4-6']	B288273	6.55	10.0	08/16/21
21H0695-02 [SW-E1 (4-6')]	B288273	7.22	10.0	08/16/21
21H0695-05 [SW-W2 (4-6')]	B288273	6.70	10.0	08/16/21
21H0695-06 [SW-5 (4-6')]	B288273	7.37	10.0	08/16/21

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21H0695-07 [SW-E2 (4-6')]	B288274	7.82	10.0	08/16/21
21H0695-08 [Vents 2.5']	B288274	5.04	10.0	08/16/21
21H0695-09 [D2 4']	B288274	6.96	10.0	08/16/21
21H0695-10 [D3 2.5']	B288274	6.65	10.0	08/16/21
21H0695-11 [L-1 3']	B288274	5.64	10.0	08/16/21

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Sample Extraction Data**Prep Method: SW-846 5030B Analytical Method: SW-846 8260C-D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21H0695-04 [GW]	B288278	5	5.00	08/16/21
21H0695-12 [Trip Blank]	B288278	5	5.00	08/16/21

Prep Method: SW-846 3546 Analytical Method: SW-846 8270D-E

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21H0695-01 [SW-N 4-6']	B288216	30.0	1.00	08/14/21
21H0695-03 [Comp-1]	B288216	30.0	1.00	08/14/21
21H0695-08 [Vents 2.5']	B288216	30.0	1.00	08/14/21
21H0695-09 [D2 4']	B288216	30.0	1.00	08/14/21
21H0695-11 [L-1 3']	B288216	30.0	1.00	08/14/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21H0695-04 [GW]	B288391	950	1.00	08/16/21

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B288273 - SW-846 5035
Blank (B288273-BLK1)

Prepared & Analyzed: 08/16/21

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							V-34
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	0.0060	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							
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							

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B288273 - SW-846 5035
Blank (B288273-BLK1)

Prepared & Analyzed: 08/16/21

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	0.0516		mg/Kg wet	0.0500		103	70-130			
Surrogate: Toluene-d8	0.0488		mg/Kg wet	0.0500		97.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.0491		mg/Kg wet	0.0500		98.2	70-130			

LCS (B288273-BS1)

Prepared & Analyzed: 08/16/21

Acetone	0.179	0.10	mg/Kg wet	0.200		89.4	70-160			†
Acrylonitrile	0.0195	0.0060	mg/Kg wet	0.0200		97.4	70-130			
tert-Amyl Methyl Ether (TAME)	0.0168	0.0010	mg/Kg wet	0.0200		84.2	70-130			
Benzene	0.0189	0.0020	mg/Kg wet	0.0200		94.3	70-130			
Bromobenzene	0.0168	0.0020	mg/Kg wet	0.0200		83.8	70-130			
Bromochloromethane	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130			
Bromodichloromethane	0.0166	0.0020	mg/Kg wet	0.0200		83.1	70-130			
Bromoform	0.0143	0.0020	mg/Kg wet	0.0200		71.3	70-130			
Bromomethane	0.0175	0.010	mg/Kg wet	0.0200		87.6	40-130	V-34		†
2-Butanone (MEK)	0.198	0.040	mg/Kg wet	0.200		99.2	70-160			†
tert-Butyl Alcohol (TBA)	0.173	0.10	mg/Kg wet	0.200		86.3	40-130			†
n-Butylbenzene	0.0170	0.0020	mg/Kg wet	0.0200		84.9	70-130			
sec-Butylbenzene	0.0167	0.0020	mg/Kg wet	0.0200		83.6	70-130			
tert-Butylbenzene	0.0167	0.0020	mg/Kg wet	0.0200		83.3	70-160			†
tert-Butyl Ethyl Ether (TBEE)	0.0187	0.0010	mg/Kg wet	0.0200		93.4	70-130			
Carbon Disulfide	0.174	0.0060	mg/Kg wet	0.200		87.0	70-130			
Carbon Tetrachloride	0.0176	0.0020	mg/Kg wet	0.0200		88.0	70-130			
Chlorobenzene	0.0174	0.0020	mg/Kg wet	0.0200		87.0	70-130			
Chlorodibromomethane	0.0159	0.0010	mg/Kg wet	0.0200		79.7	70-130			
Chloroethane	0.0165	0.020	mg/Kg wet	0.0200		82.4	70-130			
Chloroform	0.0181	0.0040	mg/Kg wet	0.0200		90.7	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B288273 - SW-846 5035										
LCS (B288273-BS1)				Prepared & Analyzed: 08/16/21						
Chloromethane	0.0172	0.010	mg/Kg wet	0.0200		86.2	70-130			
2-Chlorotoluene	0.0163	0.0020	mg/Kg wet	0.0200		81.3	70-130			
4-Chlorotoluene	0.0166	0.0020	mg/Kg wet	0.0200		83.1	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0161	0.0020	mg/Kg wet	0.0200		80.7	70-130			
1,2-Dibromoethane (EDB)	0.0164	0.0010	mg/Kg wet	0.0200		82.0	70-130			
Dibromomethane	0.0169	0.0020	mg/Kg wet	0.0200		84.4	70-130			
1,2-Dichlorobenzene	0.0163	0.0020	mg/Kg wet	0.0200		81.6	70-130			
1,3-Dichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		83.9	70-130			
1,4-Dichlorobenzene	0.0171	0.0020	mg/Kg wet	0.0200		85.3	70-130			
trans-1,4-Dichloro-2-butene	0.0135	0.0040	mg/Kg wet	0.0200		67.7	* 70-130			L-07
Dichlorodifluoromethane (Freon 12)	0.0138	0.020	mg/Kg wet	0.0200		69.0	40-160			†
1,1-Dichloroethane	0.0194	0.0020	mg/Kg wet	0.0200		97.0	70-130			
1,2-Dichloroethane	0.0179	0.0020	mg/Kg wet	0.0200		89.5	70-130			
1,1-Dichloroethylene	0.0173	0.0040	mg/Kg wet	0.0200		86.6	70-130			
cis-1,2-Dichloroethylene	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130			
trans-1,2-Dichloroethylene	0.0196	0.0020	mg/Kg wet	0.0200		98.2	70-130			
1,2-Dichloropropane	0.0180	0.0020	mg/Kg wet	0.0200		89.8	70-130			
1,3-Dichloropropane	0.0177	0.0010	mg/Kg wet	0.0200		88.6	70-130			
2,2-Dichloropropane	0.0179	0.0020	mg/Kg wet	0.0200		89.6	70-130			
1,1-Dichloropropene	0.0185	0.0020	mg/Kg wet	0.0200		92.5	70-130			
cis-1,3-Dichloropropene	0.0171	0.0010	mg/Kg wet	0.0200		85.5	70-130			
trans-1,3-Dichloropropene	0.0163	0.0010	mg/Kg wet	0.0200		81.4	70-130			
Diethyl Ether	0.0176	0.020	mg/Kg wet	0.0200		88.1	70-130			
Diisopropyl Ether (DIPE)	0.0206	0.0010	mg/Kg wet	0.0200		103	70-130			
1,4-Dioxane	0.159	0.10	mg/Kg wet	0.200		79.3	40-160			†
Ethylbenzene	0.0170	0.0020	mg/Kg wet	0.0200		84.9	70-130			
Hexachlorobutadiene	0.0169	0.0020	mg/Kg wet	0.0200		84.6	70-160			
2-Hexanone (MBK)	0.176	0.020	mg/Kg wet	0.200		87.8	70-160			†
Isopropylbenzene (Cumene)	0.0170	0.0020	mg/Kg wet	0.0200		84.8	70-130			
p-Isopropyltoluene (p-Cymene)	0.0171	0.0020	mg/Kg wet	0.0200		85.6	70-130			
Methyl Acetate	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0181	0.0040	mg/Kg wet	0.0200		90.5	70-130			
Methyl Cyclohexane	0.0172	0.0020	mg/Kg wet	0.0200		85.8	70-130			
Methylene Chloride	0.0222	0.020	mg/Kg wet	0.0200		111	40-160			†
4-Methyl-2-pentanone (MIBK)	0.180	0.020	mg/Kg wet	0.200		90.1	70-160			†
Naphthalene	0.0153	0.0040	mg/Kg wet	0.0200		76.6	40-130			†
n-Propylbenzene	0.0167	0.0020	mg/Kg wet	0.0200		83.4	70-130			
Styrene	0.0163	0.0020	mg/Kg wet	0.0200		81.7	70-130			
1,1,1,2-Tetrachloroethane	0.0160	0.0020	mg/Kg wet	0.0200		80.0	70-130			
1,1,2,2-Tetrachloroethane	0.0159	0.0010	mg/Kg wet	0.0200		79.6	70-130			
Tetrachloroethylene	0.0168	0.0020	mg/Kg wet	0.0200		84.2	70-130			
Tetrahydrofuran	0.0177	0.010	mg/Kg wet	0.0200		88.7	70-130			
Toluene	0.0172	0.0020	mg/Kg wet	0.0200		86.0	70-130			
1,2,3-Trichlorobenzene	0.0163	0.0020	mg/Kg wet	0.0200		81.7	70-130			
1,2,4-Trichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		84.2	70-130			
1,3,5-Trichlorobenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.2	70-130			
1,1,1-Trichloroethane	0.0173	0.0020	mg/Kg wet	0.0200		86.4	70-130			
1,1,2-Trichloroethane	0.0166	0.0020	mg/Kg wet	0.0200		83.2	70-130			
Trichloroethylene	0.0171	0.0020	mg/Kg wet	0.0200		85.6	70-130			
Trichlorofluoromethane (Freon 11)	0.0178	0.010	mg/Kg wet	0.0200		88.8	70-130			
1,2,3-Trichloropropane	0.0166	0.0020	mg/Kg wet	0.0200		83.1	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B288273 - SW-846 5035										
LCS (B288273-BS1)										
Prepared & Analyzed: 08/16/21										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0169	0.010	mg/Kg wet	0.0200		84.4	70-130			
1,2,4-Trimethylbenzene	0.0167	0.0020	mg/Kg wet	0.0200		83.4	70-130			
1,3,5-Trimethylbenzene	0.0167	0.0020	mg/Kg wet	0.0200		83.6	70-130			
Vinyl Chloride	0.0173	0.010	mg/Kg wet	0.0200		86.4	40-130			†
m+p Xylene	0.0296	0.0040	mg/Kg wet	0.0400		74.1	70-130			
o-Xylene	0.0160	0.0020	mg/Kg wet	0.0200		79.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0512		mg/Kg wet	0.0500		102	70-130			
Surrogate: Toluene-d8	0.0492		mg/Kg wet	0.0500		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.0494		mg/Kg wet	0.0500		98.7	70-130			
LCS Dup (B288273-BS1)										
Prepared & Analyzed: 08/16/21										
Acetone	0.179	0.10	mg/Kg wet	0.200		89.4	70-160	0.0201	25	†
Acrylonitrile	0.0198	0.0060	mg/Kg wet	0.0200		99.0	70-130	1.67	25	
tert-Amyl Methyl Ether (TAME)	0.0177	0.0010	mg/Kg wet	0.0200		88.3	70-130	4.86	25	
Benzene	0.0182	0.0020	mg/Kg wet	0.0200		90.9	70-130	3.67	25	
Bromobenzene	0.0172	0.0020	mg/Kg wet	0.0200		86.1	70-130	2.71	25	
Bromochloromethane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130	0.318	25	
Bromodichloromethane	0.0167	0.0020	mg/Kg wet	0.0200		83.4	70-130	0.324	25	
Bromoform	0.0147	0.0020	mg/Kg wet	0.0200		73.3	70-130	2.79	25	
Bromomethane	0.0168	0.010	mg/Kg wet	0.0200		84.2	40-130	3.97	25	V-34 †
2-Butanone (MEK)	0.202	0.040	mg/Kg wet	0.200		101	70-160	1.67	25	†
tert-Butyl Alcohol (TBA)	0.193	0.10	mg/Kg wet	0.200		96.6	40-130	11.3	25	†
n-Butylbenzene	0.0168	0.0020	mg/Kg wet	0.0200		83.9	70-130	1.17	25	
sec-Butylbenzene	0.0168	0.0020	mg/Kg wet	0.0200		84.0	70-130	0.501	25	
tert-Butylbenzene	0.0168	0.0020	mg/Kg wet	0.0200		83.8	70-160	0.587	25	†
tert-Butyl Ethyl Ether (TBEE)	0.0184	0.0010	mg/Kg wet	0.0200		91.9	70-130	1.65	25	
Carbon Disulfide	0.170	0.0060	mg/Kg wet	0.200		84.9	70-130	2.35	25	
Carbon Tetrachloride	0.0170	0.0020	mg/Kg wet	0.0200		84.9	70-130	3.54	25	
Chlorobenzene	0.0171	0.0020	mg/Kg wet	0.0200		85.4	70-130	1.86	25	
Chlorodibromomethane	0.0156	0.0010	mg/Kg wet	0.0200		78.2	70-130	1.85	25	
Chloroethane	0.0162	0.020	mg/Kg wet	0.0200		81.2	70-130	1.44	25	
Chloroform	0.0176	0.0040	mg/Kg wet	0.0200		88.0	70-130	2.95	25	
Chloromethane	0.0168	0.010	mg/Kg wet	0.0200		84.0	70-130	2.63	25	
2-Chlorotoluene	0.0167	0.0020	mg/Kg wet	0.0200		83.6	70-130	2.80	25	
4-Chlorotoluene	0.0170	0.0020	mg/Kg wet	0.0200		85.0	70-130	2.30	25	
1,2-Dibromo-3-chloropropane (DBCP)	0.0159	0.0020	mg/Kg wet	0.0200		79.4	70-130	1.64	25	
1,2-Dibromoethane (EDB)	0.0166	0.0010	mg/Kg wet	0.0200		83.0	70-130	1.28	25	
Dibromomethane	0.0165	0.0020	mg/Kg wet	0.0200		82.3	70-130	2.47	25	
1,2-Dichlorobenzene	0.0169	0.0020	mg/Kg wet	0.0200		84.5	70-130	3.52	25	
1,3-Dichlorobenzene	0.0173	0.0020	mg/Kg wet	0.0200		86.6	70-130	3.12	25	
1,4-Dichlorobenzene	0.0174	0.0020	mg/Kg wet	0.0200		87.1	70-130	2.04	25	
trans-1,4-Dichloro-2-butene	0.0141	0.0040	mg/Kg wet	0.0200		70.6	70-130	4.17	25	
Dichlorodifluoromethane (Freon 12)	0.0133	0.020	mg/Kg wet	0.0200		66.7	40-160	3.29	25	†
1,1-Dichloroethane	0.0192	0.0020	mg/Kg wet	0.0200		95.9	70-130	1.17	25	
1,2-Dichloroethane	0.0179	0.0020	mg/Kg wet	0.0200		89.6	70-130	0.0670	25	
1,1-Dichloroethylene	0.0168	0.0040	mg/Kg wet	0.0200		84.2	70-130	2.83	25	
cis-1,2-Dichloroethylene	0.0192	0.0020	mg/Kg wet	0.0200		95.9	70-130	1.35	25	
trans-1,2-Dichloroethylene	0.0185	0.0020	mg/Kg wet	0.0200		92.7	70-130	5.78	25	
1,2-Dichloropropane	0.0183	0.0020	mg/Kg wet	0.0200		91.7	70-130	2.08	25	
1,3-Dichloropropane	0.0177	0.0010	mg/Kg wet	0.0200		88.5	70-130	0.0790	25	
2,2-Dichloropropane	0.0185	0.0020	mg/Kg wet	0.0200		92.7	70-130	3.49	25	
1,1-Dichloropropene	0.0182	0.0020	mg/Kg wet	0.0200		90.9	70-130	1.72	25	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B288273 - SW-846 5035
LCS Dup (B288273-BSD1)

Prepared & Analyzed: 08/16/21

cis-1,3-Dichloropropene	0.0172	0.0010	mg/Kg wet	0.0200		86.2	70-130	0.804	25	
trans-1,3-Dichloropropene	0.0164	0.0010	mg/Kg wet	0.0200		82.2	70-130	0.892	25	
Diethyl Ether	0.0172	0.020	mg/Kg wet	0.0200		86.1	70-130	2.35	25	
Diisopropyl Ether (DIPE)	0.0205	0.0010	mg/Kg wet	0.0200		102	70-130	0.477	25	
1,4-Dioxane	0.160	0.10	mg/Kg wet	0.200		80.1	40-160	0.978	50	† ‡
Ethylbenzene	0.0168	0.0020	mg/Kg wet	0.0200		84.0	70-130	1.04	25	
Hexachlorobutadiene	0.0168	0.0020	mg/Kg wet	0.0200		84.0	70-160	0.676	25	
2-Hexanone (MBK)	0.176	0.020	mg/Kg wet	0.200		87.8	70-160	0.0228	25	†
Isopropylbenzene (Cumene)	0.0168	0.0020	mg/Kg wet	0.0200		84.0	70-130	0.865	25	
p-Isopropyltoluene (p-Cymene)	0.0174	0.0020	mg/Kg wet	0.0200		86.8	70-130	1.39	25	
Methyl Acetate	0.0190	0.0020	mg/Kg wet	0.0200		94.8	70-130	1.78	25	
Methyl tert-Butyl Ether (MTBE)	0.0181	0.0040	mg/Kg wet	0.0200		90.4	70-130	0.144	25	
Methyl Cyclohexane	0.0169	0.0020	mg/Kg wet	0.0200		84.7	70-130	1.37	25	
Methylene Chloride	0.0219	0.020	mg/Kg wet	0.0200		109	40-160	1.51	25	†
4-Methyl-2-pentanone (MIBK)	0.182	0.020	mg/Kg wet	0.200		90.8	70-160	0.817	25	†
Naphthalene	0.0156	0.0040	mg/Kg wet	0.0200		77.8	40-130	1.49	25	†
n-Propylbenzene	0.0167	0.0020	mg/Kg wet	0.0200		83.3	70-130	0.132	25	
Styrene	0.0168	0.0020	mg/Kg wet	0.0200		84.2	70-130	3.02	25	
1,1,1,2-Tetrachloroethane	0.0161	0.0020	mg/Kg wet	0.0200		80.6	70-130	0.797	25	
1,1,2,2-Tetrachloroethane	0.0161	0.0010	mg/Kg wet	0.0200		80.7	70-130	1.30	25	
Tetrachloroethylene	0.0168	0.0020	mg/Kg wet	0.0200		83.9	70-130	0.286	25	
Tetrahydrofuran	0.0176	0.010	mg/Kg wet	0.0200		88.3	70-130	0.531	25	
Toluene	0.0172	0.0020	mg/Kg wet	0.0200		86.0	70-130	0.0814	25	
1,2,3-Trichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		84.2	70-130	3.05	25	
1,2,4-Trichlorobenzene	0.0170	0.0020	mg/Kg wet	0.0200		85.2	70-130	1.20	25	
1,3,5-Trichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.3	70-130	1.23	25	
1,1,1-Trichloroethane	0.0169	0.0020	mg/Kg wet	0.0200		84.4	70-130	2.35	25	
1,1,2-Trichloroethane	0.0174	0.0020	mg/Kg wet	0.0200		86.8	70-130	4.31	25	
Trichloroethylene	0.0165	0.0020	mg/Kg wet	0.0200		82.7	70-130	3.44	25	
Trichlorofluoromethane (Freon 11)	0.0174	0.010	mg/Kg wet	0.0200		86.9	70-130	2.09	25	
1,2,3-Trichloropropane	0.0169	0.0020	mg/Kg wet	0.0200		84.6	70-130	1.80	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0166	0.010	mg/Kg wet	0.0200		82.8	70-130	2.01	25	
1,2,4-Trimethylbenzene	0.0171	0.0020	mg/Kg wet	0.0200		85.4	70-130	2.36	25	
1,3,5-Trimethylbenzene	0.0168	0.0020	mg/Kg wet	0.0200		84.2	70-130	0.763	25	
Vinyl Chloride	0.0167	0.010	mg/Kg wet	0.0200		83.7	40-130	3.15	25	†
m+p Xylene	0.0293	0.0040	mg/Kg wet	0.0400		73.3	70-130	1.04	25	
o-Xylene	0.0163	0.0020	mg/Kg wet	0.0200		81.3	70-130	1.70	25	
Surrogate: 1,2-Dichloroethane-d4	0.0505		mg/Kg wet	0.0500		101	70-130			
Surrogate: Toluene-d8	0.0493		mg/Kg wet	0.0500		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.0479		mg/Kg wet	0.0500		95.9	70-130			

Batch B288274 - SW-846 5035
Blank (B288274-BLK1)

Prepared & Analyzed: 08/16/21

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							

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B288274 - SW-846 5035
Blank (B288274-BLK1)

Prepared & Analyzed: 08/16/21

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	0.0060	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							
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							

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B288274 - SW-846 5035
Blank (B288274-BLK1)

Prepared & Analyzed: 08/16/21

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	0.0505		mg/Kg wet	0.0500		101	70-130			
Surrogate: Toluene-d8	0.0489		mg/Kg wet	0.0500		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.0502		mg/Kg wet	0.0500		100	70-130			

LCS (B288274-BS1)

Prepared & Analyzed: 08/16/21

Acetone	0.211	0.10	mg/Kg wet	0.200		105	70-160			†
Acrylonitrile	0.0223	0.0060	mg/Kg wet	0.0200		112	70-130			
tert-Amyl Methyl Ether (TAME)	0.0189	0.0010	mg/Kg wet	0.0200		94.5	70-130			
Benzene	0.0199	0.0020	mg/Kg wet	0.0200		99.6	70-130			
Bromobenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.7	70-130			
Bromochloromethane	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
Bromodichloromethane	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130			
Bromoform	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
Bromomethane	0.0183	0.010	mg/Kg wet	0.0200		91.5	40-130			†
2-Butanone (MEK)	0.210	0.040	mg/Kg wet	0.200		105	70-160			†
tert-Butyl Alcohol (TBA)	0.195	0.10	mg/Kg wet	0.200		97.7	40-130			†
n-Butylbenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.3	70-130			
sec-Butylbenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.7	70-130			
tert-Butylbenzene	0.0188	0.0020	mg/Kg wet	0.0200		94.1	70-160			†
tert-Butyl Ethyl Ether (TBEE)	0.0193	0.0010	mg/Kg wet	0.0200		96.3	70-130			
Carbon Disulfide	0.196	0.0060	mg/Kg wet	0.200		97.8	70-130			
Carbon Tetrachloride	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
Chlorobenzene	0.0188	0.0020	mg/Kg wet	0.0200		94.1	70-130			
Chlorodibromomethane	0.0205	0.0010	mg/Kg wet	0.0200		103	70-130			
Chloroethane	0.0200	0.020	mg/Kg wet	0.0200		99.8	70-130			
Chloroform	0.0202	0.0040	mg/Kg wet	0.0200		101	70-130			
Chloromethane	0.0173	0.010	mg/Kg wet	0.0200		86.3	70-130			
2-Chlorotoluene	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130			
4-Chlorotoluene	0.0199	0.0020	mg/Kg wet	0.0200		99.6	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0190	0.0020	mg/Kg wet	0.0200		95.0	70-130			
1,2-Dibromoethane (EDB)	0.0224	0.0010	mg/Kg wet	0.0200		112	70-130			
Dibromomethane	0.0207	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2-Dichlorobenzene	0.0192	0.0020	mg/Kg wet	0.0200		96.0	70-130			
1,3-Dichlorobenzene	0.0195	0.0020	mg/Kg wet	0.0200		97.7	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B288274 - SW-846 5035										
LCS (B288274-BS1)				Prepared & Analyzed: 08/16/21						
1,4-Dichlorobenzene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130			
trans-1,4-Dichloro-2-butene	0.0197	0.0040	mg/Kg wet	0.0200		98.5	70-130			
Dichlorodifluoromethane (Freon 12)	0.0116	0.020	mg/Kg wet	0.0200		57.8	40-160			V-05 †
1,1-Dichloroethane	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130			
1,2-Dichloroethane	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
1,1-Dichloroethylene	0.0191	0.0040	mg/Kg wet	0.0200		95.6	70-130			
cis-1,2-Dichloroethylene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130			
trans-1,2-Dichloroethylene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2-Dichloropropane	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130			
1,3-Dichloropropane	0.0195	0.0010	mg/Kg wet	0.0200		97.6	70-130			
2,2-Dichloropropane	0.0195	0.0020	mg/Kg wet	0.0200		97.4	70-130			
1,1-Dichloropropene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
cis-1,3-Dichloropropene	0.0202	0.0010	mg/Kg wet	0.0200		101	70-130			
trans-1,3-Dichloropropene	0.0213	0.0010	mg/Kg wet	0.0200		107	70-130			
Diethyl Ether	0.0213	0.020	mg/Kg wet	0.0200		106	70-130			
Diisopropyl Ether (DIPE)	0.0197	0.0010	mg/Kg wet	0.0200		98.4	70-130			
1,4-Dioxane	0.237	0.10	mg/Kg wet	0.200		118	40-160			†
Ethylbenzene	0.0176	0.0020	mg/Kg wet	0.0200		88.0	70-130			
Hexachlorobutadiene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-160			
2-Hexanone (MBK)	0.200	0.020	mg/Kg wet	0.200		100	70-160			†
Isopropylbenzene (Cumene)	0.0193	0.0020	mg/Kg wet	0.0200		96.6	70-130			
p-Isopropyltoluene (p-Cymene)	0.0193	0.0020	mg/Kg wet	0.0200		96.7	70-130			
Methyl Acetate	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0194	0.0040	mg/Kg wet	0.0200		96.9	70-130			
Methyl Cyclohexane	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130			
Methylene Chloride	0.0192	0.020	mg/Kg wet	0.0200		96.1	40-160			†
4-Methyl-2-pentanone (MIBK)	0.204	0.020	mg/Kg wet	0.200		102	70-160			†
Naphthalene	0.0176	0.0040	mg/Kg wet	0.0200		88.0	40-130			†
n-Propylbenzene	0.0192	0.0020	mg/Kg wet	0.0200		96.2	70-130			
Styrene	0.0187	0.0020	mg/Kg wet	0.0200		93.6	70-130			
1,1,1,2-Tetrachloroethane	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130			
1,1,2,2-Tetrachloroethane	0.0203	0.0010	mg/Kg wet	0.0200		101	70-130			
Tetrachloroethylene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130			
Tetrahydrofuran	0.0254	0.010	mg/Kg wet	0.0200		127	70-130			
Toluene	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130			
1,2,3-Trichlorobenzene	0.0177	0.0020	mg/Kg wet	0.0200		88.7	70-130			
1,2,4-Trichlorobenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.0	70-130			
1,3,5-Trichlorobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.4	70-130			
1,1,1-Trichloroethane	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130			
1,1,2-Trichloroethane	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130			
Trichloroethylene	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130			
Trichlorofluoromethane (Freon 11)	0.0195	0.010	mg/Kg wet	0.0200		97.7	70-130			
1,2,3-Trichloropropane	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0210	0.010	mg/Kg wet	0.0200		105	70-130			
1,2,4-Trimethylbenzene	0.0196	0.0020	mg/Kg wet	0.0200		97.9	70-130			
1,3,5-Trimethylbenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.3	70-130			
Vinyl Chloride	0.0164	0.010	mg/Kg wet	0.0200		82.1	40-130			†
m+p Xylene	0.0357	0.0040	mg/Kg wet	0.0400		89.2	70-130			
o-Xylene	0.0182	0.0020	mg/Kg wet	0.0200		90.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0483		mg/Kg wet	0.0500		96.6	70-130			
Surrogate: Toluene-d8	0.0488		mg/Kg wet	0.0500		97.6	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B288274 - SW-846 5035										
LCS (B288274-BS1)					Prepared & Analyzed: 08/16/21					
Surrogate: 4-Bromofluorobenzene	0.0498		mg/Kg wet	0.0500		99.6	70-130			
LCS Dup (B288274-BSD1)					Prepared & Analyzed: 08/16/21					
Acetone	0.216	0.10	mg/Kg wet	0.200		108	70-160	2.20	25	†
Acrylonitrile	0.0210	0.0060	mg/Kg wet	0.0200		105	70-130	5.99	25	
tert-Amyl Methyl Ether (TAME)	0.0191	0.0010	mg/Kg wet	0.0200		95.4	70-130	0.948	25	
Benzene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130	1.49	25	
Bromobenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.7	70-130	1.07	25	
Bromochloromethane	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130	2.77	25	
Bromodichloromethane	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	1.37	25	
Bromoform	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130	1.94	25	
Bromomethane	0.0203	0.010	mg/Kg wet	0.0200		101	40-130	10.3	25	†
2-Butanone (MEK)	0.213	0.040	mg/Kg wet	0.200		107	70-160	1.37	25	†
tert-Butyl Alcohol (TBA)	0.204	0.10	mg/Kg wet	0.200		102	40-130	4.25	25	†
n-Butylbenzene	0.0190	0.0020	mg/Kg wet	0.0200		95.0	70-130	1.36	25	
sec-Butylbenzene	0.0182	0.0020	mg/Kg wet	0.0200		91.0	70-130	1.85	25	
tert-Butylbenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.5	70-160	2.80	25	†
tert-Butyl Ethyl Ether (TBEE)	0.0194	0.0010	mg/Kg wet	0.0200		96.8	70-130	0.518	25	
Carbon Disulfide	0.197	0.0060	mg/Kg wet	0.200		98.5	70-130	0.693	25	
Carbon Tetrachloride	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130	1.81	25	
Chlorobenzene	0.0195	0.0020	mg/Kg wet	0.0200		97.3	70-130	3.34	25	
Chlorodibromomethane	0.0212	0.0010	mg/Kg wet	0.0200		106	70-130	3.07	25	
Chloroethane	0.0191	0.020	mg/Kg wet	0.0200		95.3	70-130	4.61	25	
Chloroform	0.0202	0.0040	mg/Kg wet	0.0200		101	70-130	0.297	25	
Chloromethane	0.0172	0.010	mg/Kg wet	0.0200		85.9	70-130	0.465	25	
2-Chlorotoluene	0.0195	0.0020	mg/Kg wet	0.0200		97.7	70-130	0.925	25	
4-Chlorotoluene	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130	0.100	25	
1,2-Dibromo-3-chloropropane (DBCP)	0.0191	0.0020	mg/Kg wet	0.0200		95.6	70-130	0.630	25	
1,2-Dibromoethane (EDB)	0.0234	0.0010	mg/Kg wet	0.0200		117	70-130	4.37	25	
Dibromomethane	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130	0.973	25	
1,2-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.7	70-130	1.36	25	
1,3-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.6	70-130	3.22	25	
1,4-Dichlorobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.4	70-130	0.901	25	
trans-1,4-Dichloro-2-butene	0.0197	0.0040	mg/Kg wet	0.0200		98.4	70-130	0.102	25	
Dichlorodifluoromethane (Freon 12)	0.0117	0.020	mg/Kg wet	0.0200		58.4	40-160	1.03	25	V-05 †
1,1-Dichloroethane	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130	0.595	25	
1,2-Dichloroethane	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130	2.10	25	
1,1-Dichloroethylene	0.0193	0.0040	mg/Kg wet	0.0200		96.7	70-130	1.14	25	
cis-1,2-Dichloroethylene	0.0198	0.0020	mg/Kg wet	0.0200		98.8	70-130	1.61	25	
trans-1,2-Dichloroethylene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130	0.878	25	
1,2-Dichloropropane	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	1.47	25	
1,3-Dichloropropane	0.0197	0.0010	mg/Kg wet	0.0200		98.5	70-130	0.918	25	
2,2-Dichloropropane	0.0197	0.0020	mg/Kg wet	0.0200		98.6	70-130	1.22	25	
1,1-Dichloropropene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130	4.18	25	
cis-1,3-Dichloropropene	0.0209	0.0010	mg/Kg wet	0.0200		104	70-130	3.41	25	
trans-1,3-Dichloropropene	0.0214	0.0010	mg/Kg wet	0.0200		107	70-130	0.281	25	
Diethyl Ether	0.0207	0.020	mg/Kg wet	0.0200		104	70-130	2.48	25	
Diisopropyl Ether (DIPE)	0.0194	0.0010	mg/Kg wet	0.0200		96.8	70-130	1.64	25	
1,4-Dioxane	0.195	0.10	mg/Kg wet	0.200		97.5	40-160	19.2	50	† ‡
Ethylbenzene	0.0179	0.0020	mg/Kg wet	0.0200		89.7	70-130	1.91	25	
Hexachlorobutadiene	0.0200	0.0020	mg/Kg wet	0.0200		100	70-160	1.29	25	
2-Hexanone (MBK)	0.207	0.020	mg/Kg wet	0.200		104	70-160	3.47	25	†

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B288274 - SW-846 5035
LCS Dup (B288274-BSD1)

Prepared & Analyzed: 08/16/21

Isopropylbenzene (Cumene)	0.0190	0.0020	mg/Kg wet	0.0200		94.8	70-130	1.88	25	
p-Isopropyltoluene (p-Cymene)	0.0184	0.0020	mg/Kg wet	0.0200		92.0	70-130	4.98	25	
Methyl Acetate	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130	5.88	25	
Methyl tert-Butyl Ether (MTBE)	0.0192	0.0040	mg/Kg wet	0.0200		95.9	70-130	1.04	25	
Methyl Cyclohexane	0.0195	0.0020	mg/Kg wet	0.0200		97.4	70-130	0.410	25	
Methylene Chloride	0.0198	0.020	mg/Kg wet	0.0200		99.2	40-160	3.17	25	†
4-Methyl-2-pentanone (MIBK)	0.206	0.020	mg/Kg wet	0.200		103	70-160	0.595	25	†
Naphthalene	0.0180	0.0040	mg/Kg wet	0.0200		90.2	40-130	2.47	25	†
n-Propylbenzene	0.0190	0.0020	mg/Kg wet	0.0200		94.8	70-130	1.47	25	
Styrene	0.0192	0.0020	mg/Kg wet	0.0200		95.8	70-130	2.32	25	
1,1,1,2-Tetrachloroethane	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130	0.615	25	
1,1,2,2-Tetrachloroethane	0.0202	0.0010	mg/Kg wet	0.0200		101	70-130	0.495	25	
Tetrachloroethylene	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130	0.398	25	
Tetrahydrofuran	0.0209	0.010	mg/Kg wet	0.0200		104	70-130	19.5	25	
Toluene	0.0195	0.0020	mg/Kg wet	0.0200		97.4	70-130	0.618	25	
1,2,3-Trichlorobenzene	0.0182	0.0020	mg/Kg wet	0.0200		90.9	70-130	2.45	25	
1,2,4-Trichlorobenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130	2.86	25	
1,3,5-Trichlorobenzene	0.0196	0.0020	mg/Kg wet	0.0200		98.0	70-130	1.42	25	
1,1,1-Trichloroethane	0.0198	0.0020	mg/Kg wet	0.0200		99.1	70-130	1.00	25	
1,1,2-Trichloroethane	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130	1.85	25	
Trichloroethylene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130	1.39	25	
Trichlorofluoromethane (Freon 11)	0.0196	0.010	mg/Kg wet	0.0200		98.2	70-130	0.510	25	
1,2,3-Trichloropropane	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130	1.28	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0196	0.010	mg/Kg wet	0.0200		98.1	70-130	6.70	25	
1,2,4-Trimethylbenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130	4.70	25	
1,3,5-Trimethylbenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.7	70-130	3.73	25	
Vinyl Chloride	0.0166	0.010	mg/Kg wet	0.0200		83.1	40-130	1.21	25	†
m+p Xylene	0.0353	0.0040	mg/Kg wet	0.0400		88.4	70-130	0.901	25	
o-Xylene	0.0180	0.0020	mg/Kg wet	0.0200		89.9	70-130	1.11	25	
Surrogate: 1,2-Dichloroethane-d4	0.0477		mg/Kg wet	0.0500		95.5	70-130			
Surrogate: Toluene-d8	0.0496		mg/Kg wet	0.0500		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.0500		mg/Kg wet	0.0500		100	70-130			

Batch B288278 - SW-846 5030B
Blank (B288278-BLK1)

Prepared & Analyzed: 08/16/21

Acetone	ND	50	µg/L
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L
Benzene	ND	1.0	µg/L
Bromobenzene	ND	1.0	µg/L
Bromochloromethane	ND	1.0	µg/L
Bromodichloromethane	ND	0.50	µg/L
Bromoform	ND	1.0	µg/L
Bromomethane	ND	2.0	µg/L
2-Butanone (MEK)	ND	20	µg/L
tert-Butyl Alcohol (TBA)	ND	20	µg/L
n-Butylbenzene	ND	1.0	µg/L
sec-Butylbenzene	ND	1.0	µg/L
tert-Butylbenzene	ND	1.0	µg/L
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L
Carbon Disulfide	ND	5.0	µg/L
Carbon Tetrachloride	ND	5.0	µg/L

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B288278 - SW-846 5030B
Blank (B288278-BLK1)

Prepared & Analyzed: 08/16/21

Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	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							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							V-05
1,2,4-Trichlorobenzene	ND	1.0	µg/L							V-05
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							

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B288278 - SW-846 5030B
Blank (B288278-BLK1)

Prepared & Analyzed: 08/16/21

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	29.7		µg/L	25.0		119	70-130			
Surrogate: Toluene-d8	26.9		µg/L	25.0		108	70-130			
Surrogate: 4-Bromofluorobenzene	25.3		µg/L	25.0		101	70-130			

LCS (B288278-BS1)

Prepared & Analyzed: 08/16/21

Acetone	91.0	50	µg/L	100		91.0	70-160			†
tert-Amyl Methyl Ether (TAME)	9.86	0.50	µg/L	10.0		98.6	70-130			
Benzene	9.33	1.0	µg/L	10.0		93.3	70-130			
Bromobenzene	9.76	1.0	µg/L	10.0		97.6	70-130			
Bromochloromethane	9.45	1.0	µg/L	10.0		94.5	70-130			
Bromodichloromethane	11.3	0.50	µg/L	10.0		113	70-130			
Bromoform	10.5	1.0	µg/L	10.0		105	70-130			
Bromomethane	9.89	2.0	µg/L	10.0		98.9	40-160			†
2-Butanone (MEK)	81.4	20	µg/L	100		81.4	40-160			†
tert-Butyl Alcohol (TBA)	83.1	20	µg/L	100		83.1	40-160			†
n-Butylbenzene	8.55	1.0	µg/L	10.0		85.5	70-130			
sec-Butylbenzene	9.74	1.0	µg/L	10.0		97.4	70-130			
tert-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
tert-Butyl Ethyl Ether (TBEE)	9.89	0.50	µg/L	10.0		98.9	70-130			
Carbon Disulfide	84.6	5.0	µg/L	100		84.6	70-130			
Carbon Tetrachloride	10.9	5.0	µg/L	10.0		109	70-130			
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	70-130			
Chloroethane	9.60	2.0	µg/L	10.0		96.0	70-130			
Chloromethane	14.1	2.0	µg/L	10.0		141	40-160		V-20	†
2-Chlorotoluene	9.76	1.0	µg/L	10.0		97.6	70-130			
4-Chlorotoluene	9.81	1.0	µg/L	10.0		98.1	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.84	5.0	µg/L	10.0		98.4	70-130			
1,2-Dibromoethane (EDB)	9.79	0.50	µg/L	10.0		97.9	70-130			
Dibromomethane	9.74	1.0	µg/L	10.0		97.4	70-130			
1,2-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130			
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
1,4-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
trans-1,4-Dichloro-2-butene	9.44	2.0	µg/L	10.0		94.4	70-130			
Dichlorodifluoromethane (Freon 12)	8.63	2.0	µg/L	10.0		86.3	40-160			†
1,1-Dichloroethane	9.81	1.0	µg/L	10.0		98.1	70-130			
1,2-Dichloroethane	11.8	1.0	µg/L	10.0		118	70-130			
1,1-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130			
cis-1,2-Dichloroethylene	9.78	1.0	µg/L	10.0		97.8	70-130			
trans-1,2-Dichloroethylene	8.93	1.0	µg/L	10.0		89.3	70-130			
1,2-Dichloropropane	9.92	1.0	µg/L	10.0		99.2	70-130			
1,3-Dichloropropane	9.97	0.50	µg/L	10.0		99.7	70-130			
2,2-Dichloropropane	11.2	1.0	µg/L	10.0		112	40-130			†
1,1-Dichloropropene	10.0	2.0	µg/L	10.0		100	70-130			
cis-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B288278 - SW-846 5030B
LCS (B288278-BS1)

Prepared & Analyzed: 08/16/21

trans-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130			
Diethyl Ether	8.98	2.0	µg/L	10.0		89.8	70-130			
Diisopropyl Ether (DIPE)	9.31	0.50	µg/L	10.0		93.1	70-130			
1,4-Dioxane	83.0	50	µg/L	100		83.0	40-130			†
Ethylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
Hexachlorobutadiene	10.7	0.60	µg/L	10.0		107	70-130			
2-Hexanone (MBK)	82.1	10	µg/L	100		82.1	70-160			†
Isopropylbenzene (Cumene)	10.6	1.0	µg/L	10.0		106	70-130			
p-Isopropyltoluene (p-Cymene)	9.63	1.0	µg/L	10.0		96.3	70-130			
Methyl Acetate	11.1	1.0	µg/L	10.0		111	70-130			
Methyl tert-Butyl Ether (MTBE)	9.77	1.0	µg/L	10.0		97.7	70-130			
Methylene Chloride	9.40	5.0	µg/L	10.0		94.0	70-130			
4-Methyl-2-pentanone (MIBK)	88.3	10	µg/L	100		88.3	70-160			†
Naphthalene	6.45	2.0	µg/L	10.0		64.5	40-130		V-05	†
n-Propylbenzene	9.53	1.0	µg/L	10.0		95.3	70-130			
Styrene	10.6	1.0	µg/L	10.0		106	70-130			
1,1,1,2-Tetrachloroethane	11.5	1.0	µg/L	10.0		115	70-130			
1,1,2,2-Tetrachloroethane	9.55	0.50	µg/L	10.0		95.5	70-130			
Tetrachloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
Tetrahydrofuran	8.34	10	µg/L	10.0		83.4	70-130			
Toluene	10.2	1.0	µg/L	10.0		102	70-130			
1,2,3-Trichlorobenzene	6.75	5.0	µg/L	10.0		67.5 *	70-130		L-07, V-05	
1,2,4-Trichlorobenzene	7.23	1.0	µg/L	10.0		72.3	70-130		V-05	
1,3,5-Trichlorobenzene	9.59	1.0	µg/L	10.0		95.9	70-130			
1,1,1-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130			
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
Trichlorofluoromethane (Freon 11)	10.3	2.0	µg/L	10.0		103	70-130			
1,2,3-Trichloropropane	9.17	2.0	µg/L	10.0		91.7	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	1.0	µg/L	10.0		100	70-130			
1,2,4-Trimethylbenzene	9.70	1.0	µg/L	10.0		97.0	70-130			
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
Vinyl Chloride	9.28	2.0	µg/L	10.0		92.8	40-160			†
m+p Xylene	20.5	2.0	µg/L	20.0		102	70-130			
o-Xylene	10.4	1.0	µg/L	10.0		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	28.6		µg/L	25.0		114	70-130			
Surrogate: Toluene-d8	26.3		µg/L	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	25.5		µg/L	25.0		102	70-130			

LCS Dup (B288278-BSD1)

Prepared & Analyzed: 08/16/21

Acetone	89.8	50	µg/L	100		89.8	70-160	1.31	25	†
tert-Amyl Methyl Ether (TAME)	9.57	0.50	µg/L	10.0		95.7	70-130	2.99	25	
Benzene	9.32	1.0	µg/L	10.0		93.2	70-130	0.107	25	
Bromobenzene	9.85	1.0	µg/L	10.0		98.5	70-130	0.918	25	
Bromochloromethane	9.63	1.0	µg/L	10.0		96.3	70-130	1.89	25	
Bromodichloromethane	11.2	0.50	µg/L	10.0		112	70-130	0.888	25	
Bromoform	10.6	1.0	µg/L	10.0		106	70-130	1.23	25	
Bromomethane	9.42	2.0	µg/L	10.0		94.2	40-160	4.87	25	†
2-Butanone (MEK)	79.7	20	µg/L	100		79.7	40-160	2.20	25	†
tert-Butyl Alcohol (TBA)	80.9	20	µg/L	100		80.9	40-160	2.65	25	†
n-Butylbenzene	8.63	1.0	µg/L	10.0		86.3	70-130	0.931	25	
sec-Butylbenzene	9.49	1.0	µg/L	10.0		94.9	70-130	2.60	25	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B288278 - SW-846 5030B										
LCS Dup (B288278-BS1)				Prepared & Analyzed: 08/16/21						
tert-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130	2.73	25	
tert-Butyl Ethyl Ether (TBEE)	9.72	0.50	µg/L	10.0		97.2	70-130	1.73	25	
Carbon Disulfide	82.3	5.0	µg/L	100		82.3	70-130	2.77	25	
Carbon Tetrachloride	11.4	5.0	µg/L	10.0		114	70-130	4.67	25	
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	1.14	25	
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108	70-130	1.11	25	
Chloroethane	10.2	2.0	µg/L	10.0		102	70-130	5.77	25	
Chloromethane	13.5	2.0	µg/L	10.0		135	40-160	4.50	25	V-20 †
2-Chlorotoluene	9.76	1.0	µg/L	10.0		97.6	70-130	0.00	25	
4-Chlorotoluene	9.76	1.0	µg/L	10.0		97.6	70-130	0.511	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.22	5.0	µg/L	10.0		82.2	70-130	17.9	25	
1,2-Dibromoethane (EDB)	9.89	0.50	µg/L	10.0		98.9	70-130	1.02	25	
Dibromomethane	10.3	1.0	µg/L	10.0		103	70-130	5.20	25	
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.58	25	
1,3-Dichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130	1.13	25	
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	2.03	25	
trans-1,4-Dichloro-2-butene	9.42	2.0	µg/L	10.0		94.2	70-130	0.212	25	
Dichlorodifluoromethane (Freon 12)	8.05	2.0	µg/L	10.0		80.5	40-160	6.95	25	†
1,1-Dichloroethane	9.78	1.0	µg/L	10.0		97.8	70-130	0.306	25	
1,2-Dichloroethane	11.7	1.0	µg/L	10.0		117	70-130	1.27	25	
1,1-Dichloroethylene	9.48	1.0	µg/L	10.0		94.8	70-130	5.74	25	
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	3.81	25	
trans-1,2-Dichloroethylene	8.95	1.0	µg/L	10.0		89.5	70-130	0.224	25	
1,2-Dichloropropane	10.2	1.0	µg/L	10.0		102	70-130	2.59	25	
1,3-Dichloropropane	9.87	0.50	µg/L	10.0		98.7	70-130	1.01	25	
2,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	40-130	5.34	25	†
1,1-Dichloropropene	9.64	2.0	µg/L	10.0		96.4	70-130	4.16	25	
cis-1,3-Dichloropropene	11.1	0.50	µg/L	10.0		111	70-130	4.72	25	
trans-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130	0.475	25	
Diethyl Ether	9.39	2.0	µg/L	10.0		93.9	70-130	4.46	25	
Diisopropyl Ether (DIPE)	9.44	0.50	µg/L	10.0		94.4	70-130	1.39	25	
1,4-Dioxane	86.2	50	µg/L	100		86.2	40-130	3.76	50	† ‡
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130	3.20	25	
Hexachlorobutadiene	10.6	0.60	µg/L	10.0		106	70-130	0.564	25	
2-Hexanone (MBK)	79.1	10	µg/L	100		79.1	70-160	3.70	25	†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130	2.19	25	
p-Isopropyltoluene (p-Cymene)	9.46	1.0	µg/L	10.0		94.6	70-130	1.78	25	
Methyl Acetate	10.7	1.0	µg/L	10.0		107	70-130	3.49	25	
Methyl tert-Butyl Ether (MTBE)	9.63	1.0	µg/L	10.0		96.3	70-130	1.44	25	
Methylene Chloride	9.66	5.0	µg/L	10.0		96.6	70-130	2.73	25	
4-Methyl-2-pentanone (MIBK)	84.4	10	µg/L	100		84.4	70-160	4.53	25	†
Naphthalene	6.55	2.0	µg/L	10.0		65.5	40-130	1.54	25	V-05 †
n-Propylbenzene	9.66	1.0	µg/L	10.0		96.6	70-130	1.35	25	
Styrene	10.4	1.0	µg/L	10.0		104	70-130	1.52	25	
1,1,1,2-Tetrachloroethane	11.7	1.0	µg/L	10.0		117	70-130	1.55	25	
1,1,2,2-Tetrachloroethane	9.13	0.50	µg/L	10.0		91.3	70-130	4.50	25	
Tetrachloroethylene	10.7	1.0	µg/L	10.0		107	70-130	1.48	25	
Tetrahydrofuran	7.93	10	µg/L	10.0		79.3	70-130	5.04	25	
Toluene	10.3	1.0	µg/L	10.0		103	70-130	1.17	25	
1,2,3-Trichlorobenzene	7.40	5.0	µg/L	10.0		74.0	70-130	9.19	25	V-05
1,2,4-Trichlorobenzene	7.32	1.0	µg/L	10.0		73.2	70-130	1.24	25	V-05
1,3,5-Trichlorobenzene	9.39	1.0	µg/L	10.0		93.9	70-130	2.11	25	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B288278 - SW-846 5030B										
LCS Dup (B288278-BSD1)										
Prepared & Analyzed: 08/16/21										
1,1,1-Trichloroethane	11.3	1.0	µg/L	10.0		113	70-130	3.25	25	
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130	3.49	25	
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	1.34	25	
Trichlorofluoromethane (Freon 11)	10.0	2.0	µg/L	10.0		100	70-130	2.85	25	
1,2,3-Trichloropropane	8.57	2.0	µg/L	10.0		85.7	70-130	6.76	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.47	1.0	µg/L	10.0		84.7	70-130	16.6	25	
1,2,4-Trimethylbenzene	10.1	1.0	µg/L	10.0		101	70-130	3.74	25	
1,3,5-Trimethylbenzene	10.0	1.0	µg/L	10.0		100	70-130	2.27	25	
Vinyl Chloride	9.14	2.0	µg/L	10.0		91.4	40-160	1.52	25	†
m+p Xylene	20.8	2.0	µg/L	20.0		104	70-130	1.55	25	
o-Xylene	10.4	1.0	µg/L	10.0		104	70-130	0.288	25	
Surrogate: 1,2-Dichloroethane-d4	28.9		µg/L	25.0		116	70-130			
Surrogate: Toluene-d8	26.7		µg/L	25.0		107	70-130			
Surrogate: 4-Bromofluorobenzene	26.3		µg/L	25.0		105	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B288216 - SW-846 3546
Blank (B288216-BLK1)

Prepared: 08/14/21 Analyzed: 08/16/21

Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	2.13		mg/Kg wet	3.33		64.0	30-130			
Surrogate: 2-Fluorobiphenyl	2.20		mg/Kg wet	3.33		66.1	30-130			
Surrogate: p-Terphenyl-d14	2.90		mg/Kg wet	3.33		87.0	30-130			

LCS (B288216-BS1)

Prepared: 08/14/21 Analyzed: 08/16/21

Acenaphthene	1.17	0.17	mg/Kg wet	1.67		70.0	40-140			
Acenaphthylene	1.16	0.17	mg/Kg wet	1.67		69.6	40-140			
Anthracene	1.30	0.17	mg/Kg wet	1.67		78.0	40-140			
Benzo(a)anthracene	1.22	0.17	mg/Kg wet	1.67		73.0	40-140			
Benzo(a)pyrene	1.27	0.17	mg/Kg wet	1.67		76.0	40-140			
Benzo(b)fluoranthene	1.24	0.17	mg/Kg wet	1.67		74.6	40-140			
Benzo(g,h,i)perylene	1.35	0.17	mg/Kg wet	1.67		80.7	40-140			
Benzo(k)fluoranthene	1.21	0.17	mg/Kg wet	1.67		72.7	40-140			
Chrysene	1.24	0.17	mg/Kg wet	1.67		74.3	40-140			
Dibenz(a,h)anthracene	1.28	0.17	mg/Kg wet	1.67		77.0	40-140			
Fluoranthene	1.24	0.17	mg/Kg wet	1.67		74.1	40-140			
Fluorene	1.21	0.17	mg/Kg wet	1.67		72.6	40-140			
Indeno(1,2,3-cd)pyrene	1.34	0.17	mg/Kg wet	1.67		80.4	40-140			
2-Methylnaphthalene	1.20	0.17	mg/Kg wet	1.67		71.7	40-140			
Naphthalene	0.972	0.17	mg/Kg wet	1.67		58.3	40-140			
Phenanthrene	1.26	0.17	mg/Kg wet	1.67		75.8	40-140			
Pyrene	1.22	0.17	mg/Kg wet	1.67		73.4	40-140			
Surrogate: Nitrobenzene-d5	2.00		mg/Kg wet	3.33		60.0	30-130			
Surrogate: 2-Fluorobiphenyl	2.64		mg/Kg wet	3.33		79.1	30-130			
Surrogate: p-Terphenyl-d14	3.14		mg/Kg wet	3.33		94.3	30-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B288216 - SW-846 3546										
LCS Dup (B288216-BSD1)										
Prepared: 08/14/21 Analyzed: 08/16/21										
Acenaphthene	1.28	0.17	mg/Kg wet	1.67		76.5	40-140	8.87	30	
Acenaphthylene	1.26	0.17	mg/Kg wet	1.67		75.7	40-140	8.48	30	
Anthracene	1.38	0.17	mg/Kg wet	1.67		82.9	40-140	6.09	30	
Benzo(a)anthracene	1.29	0.17	mg/Kg wet	1.67		77.3	40-140	5.83	30	
Benzo(a)pyrene	1.34	0.17	mg/Kg wet	1.67		80.1	40-140	5.28	30	
Benzo(b)fluoranthene	1.32	0.17	mg/Kg wet	1.67		79.3	40-140	6.08	30	
Benzo(g,h,i)perylene	1.42	0.17	mg/Kg wet	1.67		85.2	40-140	5.42	30	
Benzo(k)fluoranthene	1.29	0.17	mg/Kg wet	1.67		77.3	40-140	6.11	30	
Chrysene	1.31	0.17	mg/Kg wet	1.67		78.7	40-140	5.78	30	
Dibenz(a,h)anthracene	1.36	0.17	mg/Kg wet	1.67		81.7	40-140	5.90	30	
Fluoranthene	1.31	0.17	mg/Kg wet	1.67		78.5	40-140	5.74	30	
Fluorene	1.30	0.17	mg/Kg wet	1.67		78.0	40-140	7.15	30	
Indeno(1,2,3-cd)pyrene	1.43	0.17	mg/Kg wet	1.67		85.8	40-140	6.50	30	
2-Methylnaphthalene	1.32	0.17	mg/Kg wet	1.67		79.1	40-140	9.81	30	
Naphthalene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140	15.6	30	
Phenanthrene	1.35	0.17	mg/Kg wet	1.67		81.0	40-140	6.60	30	
Pyrene	1.31	0.17	mg/Kg wet	1.67		78.7	40-140	6.94	30	
Surrogate: Nitrobenzene-d5	2.42		mg/Kg wet	3.33		72.5	30-130			
Surrogate: 2-Fluorobiphenyl	2.86		mg/Kg wet	3.33		85.8	30-130			
Surrogate: p-Terphenyl-d14	3.36		mg/Kg wet	3.33		101	30-130			
Matrix Spike (B288216-MS1)										
Source: 21H0695-11 Prepared: 08/14/21 Analyzed: 08/16/21										
Acenaphthene	1.34	0.19	mg/Kg dry	1.86	ND	72.1	40-140			
Acenaphthylene	1.44	0.19	mg/Kg dry	1.86	0.0984	72.0	40-140			
Anthracene	1.43	0.19	mg/Kg dry	1.86	ND	77.0	40-140			
Benzo(a)anthracene	1.54	0.19	mg/Kg dry	1.86	0.215	71.4	40-140			
Benzo(a)pyrene	1.68	0.19	mg/Kg dry	1.86	0.314	73.4	40-140			
Benzo(b)fluoranthene	1.63	0.19	mg/Kg dry	1.86	0.346	69.1	40-140			R-06
Benzo(g,h,i)perylene	1.18	0.19	mg/Kg dry	1.86	0.391	42.6	40-140			
Benzo(k)fluoranthene	1.52	0.19	mg/Kg dry	1.86	0.131	75.1	40-140			
Chrysene	1.63	0.19	mg/Kg dry	1.86	0.287	72.2	40-140			
Dibenz(a,h)anthracene	0.981	0.19	mg/Kg dry	1.86	ND	52.8	40-140			
Fluoranthene	1.63	0.19	mg/Kg dry	1.86	0.373	67.6	40-140			R-06
Fluorene	1.41	0.19	mg/Kg dry	1.86	ND	76.1	40-140			
Indeno(1,2,3-cd)pyrene	1.15	0.19	mg/Kg dry	1.86	0.338	43.8	40-140			
2-Methylnaphthalene	1.45	0.19	mg/Kg dry	1.86	ND	78.3	40-140			
Naphthalene	1.31	0.19	mg/Kg dry	1.86	ND	70.3	40-140			
Phenanthrene	1.59	0.19	mg/Kg dry	1.86	0.218	74.2	40-140			
Pyrene	2.07	0.19	mg/Kg dry	1.86	0.455	86.8	40-140			R-06
Surrogate: Nitrobenzene-d5	2.67		mg/Kg dry	3.71		72.0	30-130			
Surrogate: 2-Fluorobiphenyl	2.87		mg/Kg dry	3.71		77.3	30-130			
Surrogate: p-Terphenyl-d14	3.79		mg/Kg dry	3.71		102	30-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B288216 - SW-846 3546

Matrix Spike Dup (B288216-MSD1)		Source: 21H0695-11			Prepared: 08/14/21 Analyzed: 08/16/21					
Acenaphthene	1.44	0.19	mg/Kg dry	1.86	ND	77.4	40-140	7.06	30	
Acenaphthylene	1.62	0.19	mg/Kg dry	1.86	0.0984	82.0	40-140	12.1	30	
Anthracene	1.66	0.19	mg/Kg dry	1.86	ND	89.5	40-140	15.1	30	
Benzo(a)anthracene	2.04	0.19	mg/Kg dry	1.86	0.215	98.2	40-140	27.8	30	
Benzo(a)pyrene	2.22	0.19	mg/Kg dry	1.86	0.314	102	40-140	27.7	30	
Benzo(b)fluoranthene	2.28	0.19	mg/Kg dry	1.86	0.346	104	40-140	33.3 *	30	R-06
Benzo(g,h,i)perylene	1.47	0.19	mg/Kg dry	1.86	0.391	57.9	40-140	21.5	30	
Benzo(k)fluoranthene	1.88	0.19	mg/Kg dry	1.86	0.131	94.2	40-140	20.9	30	
Chrysene	2.15	0.19	mg/Kg dry	1.86	0.287	100	40-140	27.5	30	
Dibenz(a,h)anthracene	1.06	0.19	mg/Kg dry	1.86	ND	57.4	40-140	8.20	30	
Fluoranthene	2.35	0.19	mg/Kg dry	1.86	0.373	107	40-140	36.4 *	30	R-06
Fluorene	1.55	0.19	mg/Kg dry	1.86	ND	83.6	40-140	9.37	30	
Indeno(1,2,3-cd)pyrene	1.41	0.19	mg/Kg dry	1.86	0.338	57.9	40-140	20.3	30	
2-Methylnaphthalene	1.51	0.19	mg/Kg dry	1.86	ND	81.6	40-140	4.15	30	
Naphthalene	1.28	0.19	mg/Kg dry	1.86	ND	69.1	40-140	1.69	30	
Phenanthrene	2.05	0.19	mg/Kg dry	1.86	0.218	98.9	40-140	25.2	30	
Pyrene	2.85	0.19	mg/Kg dry	1.86	0.455	129	40-140	32.0 *	30	R-06
Surrogate: Nitrobenzene-d5	2.58		mg/Kg dry	3.71		69.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.96		mg/Kg dry	3.71		79.7	30-130			
Surrogate: p-Terphenyl-d14	4.18		mg/Kg dry	3.71		113	30-130			

Batch B288391 - SW-846 3510C

Blank (B288391-BLK1)		Prepared: 08/16/21 Analyzed: 08/17/21								
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.20	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	77.8		µg/L	100		77.8	30-130			
Surrogate: 2-Fluorobiphenyl	73.1		µg/L	100		73.1	30-130			
Surrogate: p-Terphenyl-d14	86.1		µg/L	100		86.1	30-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B288391 - SW-846 3510C
LCS (B288391-BS1)

Prepared: 08/16/21 Analyzed: 08/17/21

Acenaphthene (SIM)	34.7	6.0	µg/L	50.0		69.4	40-140			
Acenaphthylene (SIM)	36.2	4.0	µg/L	50.0		72.4	40-140			
Anthracene (SIM)	39.2	4.0	µg/L	50.0		78.4	40-140			
Benzo(a)anthracene (SIM)	36.6	1.0	µg/L	50.0		73.2	40-140			
Benzo(a)pyrene (SIM)	40.8	2.0	µg/L	50.0		81.6	40-140			
Benzo(b)fluoranthene (SIM)	40.8	1.0	µg/L	50.0		81.6	40-140			
Benzo(g,h,i)perylene (SIM)	39.9	10	µg/L	50.0		79.7	40-140			
Benzo(k)fluoranthene (SIM)	40.2	4.0	µg/L	50.0		80.4	40-140			
Chrysene (SIM)	36.9	4.0	µg/L	50.0		73.8	40-140			
Dibenz(a,h)anthracene (SIM)	39.2	2.0	µg/L	50.0		78.4	40-140			
Fluoranthene (SIM)	37.4	10	µg/L	50.0		74.8	40-140			
Fluorene (SIM)	38.3	20	µg/L	50.0		76.6	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	41.3	2.0	µg/L	50.0		82.6	40-140			
2-Methylnaphthalene (SIM)	36.4	20	µg/L	50.0		72.7	40-140			
Naphthalene (SIM)	30.9	20	µg/L	50.0		61.9	40-140			
Phenanthrene (SIM)	37.0	1.0	µg/L	50.0		73.9	40-140			
Pyrene (SIM)	37.1	20	µg/L	50.0		74.2	40-140			
Surrogate: Nitrobenzene-d5	73.8		µg/L	100		73.8	30-130			
Surrogate: 2-Fluorobiphenyl	72.6		µg/L	100		72.6	30-130			
Surrogate: p-Terphenyl-d14	72.6		µg/L	100		72.6	30-130			

LCS Dup (B288391-BS1)

Prepared: 08/16/21 Analyzed: 08/17/21

Acenaphthene (SIM)	34.1	6.0	µg/L	50.0		68.2	40-140	1.69	20	
Acenaphthylene (SIM)	35.6	4.0	µg/L	50.0		71.2	40-140	1.73	20	
Anthracene (SIM)	39.7	4.0	µg/L	50.0		79.4	40-140	1.27	20	
Benzo(a)anthracene (SIM)	37.6	1.0	µg/L	50.0		75.2	40-140	2.59	20	
Benzo(a)pyrene (SIM)	42.1	2.0	µg/L	50.0		84.1	40-140	3.09	20	
Benzo(b)fluoranthene (SIM)	42.6	1.0	µg/L	50.0		85.2	40-140	4.36	20	
Benzo(g,h,i)perylene (SIM)	41.1	10	µg/L	50.0		82.2	40-140	3.06	20	
Benzo(k)fluoranthene (SIM)	42.0	4.0	µg/L	50.0		84.0	40-140	4.38	20	
Chrysene (SIM)	37.9	4.0	µg/L	50.0		75.7	40-140	2.57	20	
Dibenz(a,h)anthracene (SIM)	40.5	2.0	µg/L	50.0		81.0	40-140	3.26	20	
Fluoranthene (SIM)	37.8	10	µg/L	50.0		75.6	40-140	1.01	20	
Fluorene (SIM)	37.6	20	µg/L	50.0		75.3	40-140	1.74	20	
Indeno(1,2,3-cd)pyrene (SIM)	42.6	2.0	µg/L	50.0		85.2	40-140	3.05	20	
2-Methylnaphthalene (SIM)	35.7	20	µg/L	50.0		71.4	40-140	1.78	20	
Naphthalene (SIM)	30.8	20	µg/L	50.0		61.5	40-140	0.583	20	
Phenanthrene (SIM)	37.3	1.0	µg/L	50.0		74.5	40-140	0.808	20	
Pyrene (SIM)	38.2	20	µg/L	50.0		76.4	40-140	2.92	20	
Surrogate: Nitrobenzene-d5	71.1		µg/L	100		71.1	30-130			
Surrogate: 2-Fluorobiphenyl	72.2		µg/L	100		72.2	30-130			
Surrogate: p-Terphenyl-d14	73.0		µg/L	100		73.0	30-130			

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QUALITY CONTROL
Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B288215 - SW-846 3546										
Blank (B288215-BLK1)				Prepared: 08/14/21 Analyzed: 08/16/21						
Diesel Range Organics	ND	8.3	mg/Kg wet							
Surrogate: 2-Fluorobiphenyl	2.65		mg/Kg wet	3.33		79.4	40-140			
LCS (B288215-BS1)				Prepared: 08/14/21 Analyzed: 08/16/21						
Diesel Range Organics	25.5	8.3	mg/Kg wet	33.3		76.5	40-140			
Surrogate: 2-Fluorobiphenyl	2.49		mg/Kg wet	3.33		74.7	40-140			
LCS Dup (B288215-BSD1)				Prepared: 08/14/21 Analyzed: 08/16/21						
Diesel Range Organics	26.4	8.3	mg/Kg wet	33.3		79.1	40-140	3.34	30	
Surrogate: 2-Fluorobiphenyl	2.53		mg/Kg wet	3.33		76.0	40-140			
Matrix Spike (B288215-MS1)				Source: 21H0695-09		Prepared: 08/14/21 Analyzed: 08/18/21				
Diesel Range Organics	416	51	mg/Kg dry	41.0	285	320	*	40-140		MS-19
Surrogate: 2-Fluorobiphenyl	3.60		mg/Kg dry	4.10		87.9	40-140			
Matrix Spike Dup (B288215-MSD1)				Source: 21H0695-09		Prepared: 08/14/21 Analyzed: 08/18/21				
Diesel Range Organics	480	51	mg/Kg dry	41.0	285	475	*	40-140	14.1	30 MS-19
Surrogate: 2-Fluorobiphenyl	4.11		mg/Kg dry	4.10		100	40-140			
Batch B288283 - SW-846 5030B										
Blank (B288283-BLK1)				Prepared & Analyzed: 08/16/21						
Gasoline Range Organics (GRO)	ND	1.0	mg/Kg wet							
Surrogate: 1-Chloro-3-fluorobenzene	16.4		µg/L	15.0		109	70-130			
LCS (B288283-BS1)				Prepared & Analyzed: 08/16/21						
Gasoline Range Organics (GRO)	0.248	0.010	mg/Kg wet	0.250		99.4	80-120			
Surrogate: 1-Chloro-3-fluorobenzene	16.8		µg/L	15.0		112	70-130			
LCS Dup (B288283-BSD1)				Prepared & Analyzed: 08/16/21						
Gasoline Range Organics (GRO)	0.251	0.010	mg/Kg wet	0.250		100	80-120	0.874	30	
Surrogate: 1-Chloro-3-fluorobenzene	15.8		µg/L	15.0		105	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side.
	Data validation is not affected since sample result was "not detected" for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8015C in Soil</i>	
Gasoline Range Organics (GRO)	NY,VA,NH,NC
Diesel Range Organics	NY,VA,NH,NC
<i>SW-846 8260C-D 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

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CERTIFICATIONS
Certified Analyses included in this Report

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

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C-D in Water</i>	
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
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

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C-D in Water</i>	
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
<i>SW-846 8270D-E in Soil</i>	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
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	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
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	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
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	09/6/2021

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 Affias

Received By [Signature] Date 8/13/21 Time 1200

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 - 5-4
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? _____ Were Samples Tampered with? n/a
Was COC Relinquished? T Does Chain Agree With Samples? T

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

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

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

Are Sample labels filled out and legible? T

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

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

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

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

Were trip blanks received? T On COC? T

Do all samples have the proper pH? Acid n/a Base n/a

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.	<u>2</u>	1 Liter Plastic		16 oz Amb.
HCL-	<u>5</u>	500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-	<u>16</u>	250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear
DI-	<u>16</u>	Other Glass		Other Plastic		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: <u>8/13 @ 1800</u>
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: