

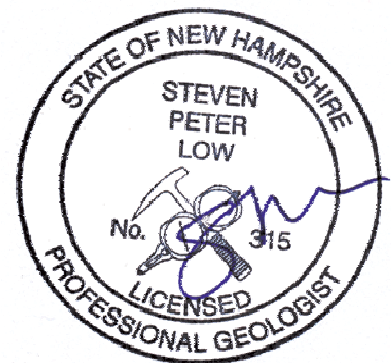
**DES Waste Management Division
29 Hazen Drive; PO Box 95
Concord, NH 03302-0095**

**2022 Periodic Summary 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 Consultants LLC
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 2022

Groundwater Monitoring Report Cover Sheet

Site Name: Mr. Mike's Mobil

Town: Hillsborough

Permit #: 198904015-H-002

Type of Submittal *(Check all that apply)*

- ☒ Periodic Summary Report (year): 2022
- ☐ Data Submittal (month and year per Condition #7 of Permit):
-

Check each box where the answer to any of the following questions is "YES"

Sampling Results

- ☐ During the most recent monitoring event, were any new compounds detected at any sampling point?
Well/Compound:
- ☐ Are there any detections of contamination in drinking water that is untreated prior to use?
Well/Compound:
☐ Do compounds detected exceed AGQS?
- ☐ Was free product detected for the first time in any monitoring point?
☐ Surface Water (*visible sheen*)
☐ Groundwater (*1/8" or greater thickness*)
Location/Thickness:

Contaminant Trends

- ☐ Do sampling results show an increasing concentration trend in any source area monitoring well?
Well/Compound:
- ☐ Do sampling results indicate an AGQS violation in any of the GMZ boundary wells?
Well/Compound:

Recommendations

- ☐ Does the report include any recommendations requiring DES action?

This form is to be completed for groundwater monitoring data submittals and periodic summary reports submitted to the New Hampshire Department of Environmental Services Waste Management Division.



150 Zachary Road
Manchester, NH 03109
Telephone 603 647-7077

November 16, 2022

Groundwater Management Permits Coordinator
New Hampshire Department of Environmental Services
Waste Management Division
29 Hazen Drive, P.O. Box 95
Concord, New Hampshire 03302-0095

RE: 2022 Periodic Summary Report
Mr. Mike's Mobil, 22 Henniker Street, Hillsborough
NHDES GMP No. GWP-198904015
Atlas Project No. 0221074824

Dear Sir or Madam:

Atlas Technical Consultants LLC (Atlas) has prepared this Periodic Summary Report for groundwater monitoring on behalf of Global Companies LLC, Alliance Energy Gasoline Division (Alliance) at the above referenced property (the "Site", see Figure 1). This report presents the results of the September 2022 groundwater monitoring event and summarizes the groundwater analytical data collected to date.

Groundwater monitoring activities were conducted in accordance with the New Hampshire Department of Environmental Services (NHDES) Groundwater Management Permit (GMP) No. GWP-198904015-H-004, issued October 14, 2021, and expiring on October 13, 2026 (Appendix A).

GROUNDWATER MONITORING

On September 16, 2022, Atlas measured static groundwater levels and collected groundwater samples from monitoring wells MW-1R2, MW-2, MW-7R, and MW-9. Static groundwater levels were also measured in monitoring wells MW-5, MW-6, and MW-10.

Prior to groundwater sample collection, the monitoring wells were gauged using an electronic interface probe for the depth to groundwater and a minimum of three static well volumes of groundwater were purged from each well using dedicated disposable polyethylene bailers. Groundwater samples were subsequently collected for the NHDES Waste Management Division *Full List of Analytes for Volatile Organics* using 40 milliliter (mL) glass vials preserved with hydrochloric acid (HCl). The samples were stored in a cooler with ice and accompanied with a chain of custody form during storage and transport.

The groundwater samples were submitted to Con-Test Analytical Laboratory of East Longmeadow, Massachusetts for laboratory analysis of volatile organic compounds (VOCs) following U.S. Environmental Protection Agency (EPA) Method 8260. A copy of the laboratory report and chain of custody form are included as Appendix C.



ACTIVITY SUMMARY FOR MONITORING PERIOD

<u>Monitoring Period:</u>	September 2021 and September 2022
<u>Monitoring Wells Sampled:</u>	September 22, 2021: MW-1R2, MW-2, MW-7R, and MW-9 September 16, 2022: MW-1R2, MW-2, MW-7R, and MW-9 Sampling locations are depicted on the September 2021 and September 2022 Groundwater Contour Maps, included as Figures 2 and 3, respectively.
<u>Depth to Groundwater:</u>	September 22, 2021: 3.75 feet (ft) below the top of the well casing (btoc) at MW-5 to 7.40 feet btoc at MW-9. Light non-aqueous phase liquid (LNAPL) was not detected. September 16, 2022: 5.78 ft btoc at MW-6 to 8.65 feet ft btoc at MW-9. LNAPL was not detected. Table 1 summarizes the groundwater elevation data.
<u>Groundwater Flow:</u>	The groundwater flow direction determined from the September 2021 and September 2022 monitoring events was generally to the southeast. Groundwater contour plans prepared from the September 2021 and September 2022 groundwater elevation data are included as Figures 2 and 3, respectively. The horizontal hydraulic gradient calculated from the September 2021 and September 2022 groundwater elevation data was approximately 0.014 and 0.012 feet of head per foot of horizontal distance (ft/ft), respectively.

RESULTS

Table 2 summarizes the laboratory analytical results for the groundwater samples collected from the Site during the September 2022 monitoring event along with prior groundwater monitoring data. The groundwater analytical results are compared to the NHDES Ambient Groundwater Quality Standards (AGQS) listed in Env-Or 600, *Contaminated Site Management*. The laboratory analytical report for the September 2021 event is included as Appendix B. Atlas previously presented the September 22, 2021 groundwater gauging and sampling results in the September 2021 Groundwater Data Submittal. The results of the September 2022 sampling round are presented below:

SEPTEMBER 2022 GROUNDWATER ANALYTICAL RESULTS

The following narrative summarizes the September 16, 2022 groundwater analytical results:

- The concentration of n-propylbenzene, 1,2,4-trimethylbenzene, and naphthalene detected in the groundwater sample collected from monitoring well MW-1R2 were documented above the applicable AGQS. Ethylbenzene, toluene, total xylenes, isopropyl benzene, n-butylbenzene, sec-butylbenzene, 4-isopropyltoluene, and 1,3,5-trimethylbenzene were detected at concentrations below the applicable AGQS at monitoring well MW-1R2.
- The concentration of benzene, 1,2,4-trimethylbenzene, and naphthalene detected in the groundwater sample collected from monitoring well MW-7R were documented above the applicable AGQS. Ethylbenzene, toluene, total xylenes, isopropyl benzene, n-propylbenzene, n-



butylbenzene, sec-butylbenzene, tert-butylbenzene, 4-isopropyltoluene, and 1,3,5-trimethylbenzene, and were detected at concentrations below the applicable AGQS at monitoring well MW-7R.

- Ethylbenzene, isopropyl benzene, n-propylbenzene, n-butylbenzene, and sec-butylbenzene were detected at concentrations below the applicable AGQS at monitoring well MW-9.
- All VOC concentrations were documented below the laboratory RDLs in the groundwater sample collected from monitoring well MW-2.

Table 2A summarizes the VOC concentrations reported above the applicable AGQS during the September 2022 groundwater monitoring event.

TABLE 2A
VOC Concentrations Above AGQS
September 16, 2022

Monitoring Well	VOCs Above AGQS	Concentration (µg/L)	AGQS (µg/L)
MW-1R2	n-propylbenzene	290	260
	1,2,4-trimethylbenzene	630	330
	Naphthalene	170	100
MW-7R	Benzene	5.3	5
	1,2,4-trimethylbenzene	630	330
	Naphthalene	130	100

Note: µg/l = micrograms per liter

CONTAMINANT TRENDS

Residual gasoline constituents previously reported in groundwater samples at concentrations above AGQS were evaluated to assess concentration trends over time. Graphs of 1,2,4-trimethylbenzene and naphthalene concentrations historically detected in groundwater samples collected from monitoring well MW-1R2 are presented as Graphs 1 and 2, respectively. Benzene, naphthalene, and 1,2,4-trimethylbenzene concentrations historically detected in groundwater samples collected from monitoring well MW-7R are presented on Graphs 3, 4, and 5.

The following is a discussion of the groundwater analytical trends:

- 1,2,4-trimethylbenzene (Graph 1) concentrations in the groundwater samples collected from MW-1R2 exhibit an overall decreasing trend. The 1,2,4-trimethylbenzene concentrations were below AGQS during the September 2021 sampling event and above AGQS during the September 2022 sampling event. Although naphthalene concentrations have been variable over time and remain above the AGQS (Graph 2), they show an overall decreasing concentration trend. An inverse relationship between groundwater elevation and contaminant concentration has been observed in recent sampling rounds.
- Benzene (Graph 3) concentrations in the groundwater samples collected from MW-7R demonstrate an overall decreasing trend. Benzene was not detected above the laboratory RDL from April 2009 until April 2011, April and September 2012, and September 2013; however, the laboratory RDL was documented above the AGQS of 5.0 ug/L for benzene due to elevated concentrations of other target analytes during this sampling round. Benzene has been detected above the AGQS for the past six sampling rounds.



- Naphthalene concentrations in the groundwater samples collected from MW-7R (Graph 4) exhibit an overall decreasing trend since December 2002. The naphthalene concentration was below the AGQS during the September 2021 sampling event and above the AGQS during the September 2022 sampling event. The naphthalene concentrations appear to have an inverse relationship with the groundwater table elevation.
- 1,2,4-trimethylbenzene concentrations detected in groundwater samples collected from MW-7R (Graph 5) demonstrate an overall decreasing trend and exhibit a similar general inverse correlation with groundwater elevation. The 1,2,4-trimethylbenzene concentration was above AGQS during the September 2021 sampling event and above AGQS during the September 2022 sampling event.

UPDATED CONCEPTUAL MODEL AND CONTAMINANT CONCENTRATION PLOT

Prior Remedial Actions

Based upon a Site Investigation Report (SIR) prepared by others in July 2001, eight underground storage tanks (USTs) (five gasoline tanks, one diesel tank, one waste oil tank, and one fuel oil tank) were removed from the Site in October 1988 along with 400 cubic yards of petroleum-impacted soil. Additional information obtained from the NHDES OneStop database indicated that an additional 500 tons of petroleum-impacted soil was excavated and disposed of off-Site and approximately 1,900 gallons of petroleum-impacted groundwater was pumped from the excavation for off-Site disposal and treatment in October 2002. In August 2021 three USTs, including two 8,000-gallon USTs containing gasoline and one 6,000-gallon UST containing diesel fuel were removed from the site. The USTs were located in the southwestern portion of the Site. According to NHDES records, the three USTs were installed in October 1988. No evidence of a release was observed during the UST removal, therefore no soil removal was required.

The primary source of soil and groundwater impact at the Site was reported to be a result of leaking USTs removed in October 1988. The remaining groundwater impact appears to be the result of residual petroleum adsorbed to soils, which is slowly desorbing into groundwater over time. Based upon historical groundwater analytical results, the residual dissolved phase plume appears to be stable and is gradually shrinking as a result of natural attenuation processes.

Aside from the excavation of petroleum-impacted soil, which was conducted during the UST removal activities during October 1988 and October 2002, 300 pounds of oxygen-releasing compound (ORC) was added to the excavation upon completion of soil removal activities. No other remedial activities are known to have occurred at the Site. Given the lack of sensitive receptors, monitored natural attenuation (MNA) has been chosen as the preferred remedial alternative.

Contaminant Map

Residual dissolved phase impacts at the Site are associated with a historical release of gasoline from the former UST systems, which were located in the central portion of the Site adjacent to the former carwash bays. During the current sampling round, the highest concentration of total VOCs was observed in the groundwater sample collected from monitoring well MW-1R2. The groundwater sample collected from monitoring well MW-7R had the second highest concentrations of VOCs. Both monitoring wells are located hydraulically downgradient of the former UST systems. Based on historical groundwater analytical results, the dissolved contaminant plume appears to be stable and is attenuating. Figure 4 shows monitoring well locations containing concentrations above AGQS based on the September 2022 groundwater analytical results.

VOC concentrations detected in groundwater samples collected from monitoring well MW-1R2 (Graphs 1 and 2) and MW-7R (Graph 4) appear to show an inverse correlation between increased VOC concentrations in groundwater and decreased groundwater elevation. Naphthalene and 1,2,4-



trimethylbenzene have been detected above the AGQS periodically when the groundwater table has been unusually low, however the levels have decreased overall.

VOC concentrations detected in groundwater at the Site were previously compared to NHDES Groundwater to Indoor Air Screening Levels (NH GW-2) to assess the potential for indoor vapor intrusion into buildings at or adjacent to the Site. VOC concentrations are well below the NH GW-2 standards and are similar or lower than the concentrations previously detected in groundwater at the Site; therefore, the potential for vapor intrusion is not considered significant. Currently there are no buildings at the site since the former building was demolished in August 2021.

Potential Receptors

The Contoocook River, located approximately 600 feet to the south of the Site, is a potential sensitive receptor; however, based on the distance and low concentrations detected in the downgradient Site well (MW-9) during the September 2022 sampling event, it is unlikely the Contoocook River is currently, or will be, impacted by residual dissolved phase hydrocarbons present at the Site. No other potential sensitive receptors were identified in the Site vicinity. A 1,000-Foot Radius Map is included as Figure 5. The site is located in a developed area of Hillsborough with municipal water available. Since the contaminant levels are low with concentrations above AGQS limited to the Site property, and municipal water and sewer are provided to the Site and surrounding area, no other potential sensitive receptors were identified.

RECOMMENDATIONS

Atlas recommends continued groundwater monitoring and laboratory analyses as specified in the current GMP. The next monitoring round is scheduled for September 2023.

Should you have any questions or comments regarding this information, please do not hesitate to contact the undersigned.

Sincerely,
Atlas

A handwritten signature in black ink, appearing to read "Owen Castor".

Owen Castor
Environmental Scientist

A handwritten signature in black ink, appearing to read "S. Low".

Steven P. Low, P.G.
Branch Manager

Cc: Richard Browne, Alliance Energy LLC

ATTACHMENTS

- Figure 1: Site Locus
- Figure 2: Groundwater Elevation Contour Map – 9/22/21
- Figure 3: Groundwater Elevation Contour Map – 9/16/22
- Figure 4: VOCs Exceeding AGQS –9/16/22
- Figure 5: A 1,000-Foot Radius Map

- Graph 1: 1,2,4-Trimethylbenzene Concentrations Over Time in MW-1R2
- Graph 2: Naphthalene Concentration Over Time in MW-1R2
- Graph 3: Benzene Concentrations Over Time in MW-7R
- Graph 4: Naphthalene Concentrations Over Time in MW-7R
- Graph 5: 1,2,4-Trimethylbenzene Concentrations Over Time in MW-7R

- Table 1: Groundwater Elevation Data



Table 2:	Groundwater Quality Data
Table 2A:	VOCs Concentrations Above AGQS – September 16, 2022 (in text)
Appendix A:	Groundwater Management Permit
Appendix B:	Laboratory Data Report

FIGURES

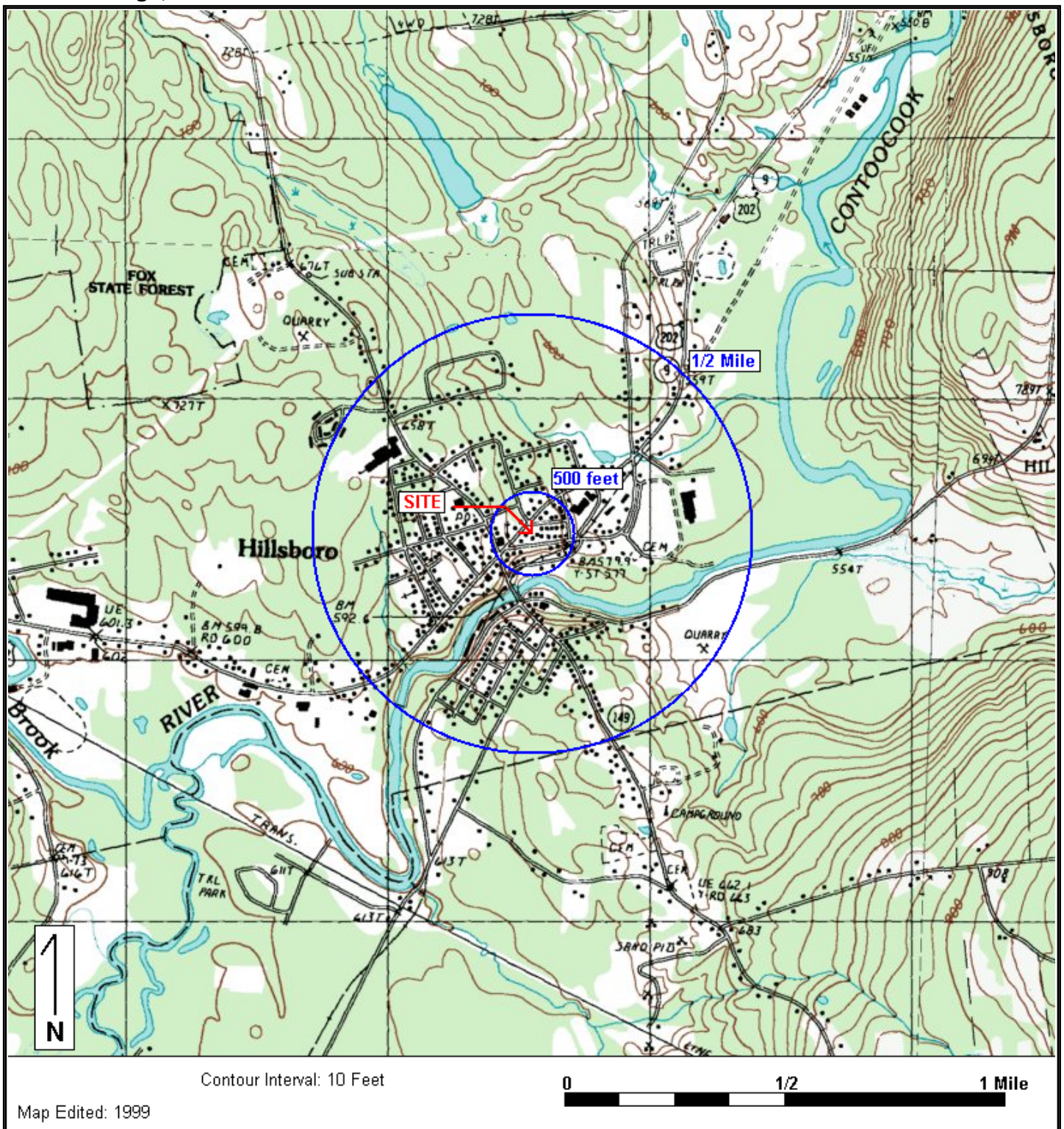




150 Zachary Road, Unit 1
Manchester, NH 03109
Phone 603.647.7077
www.oneatlas.com

Mr. Mike's Mobil
22 Henniker Street
Hillsborough, NH 03244

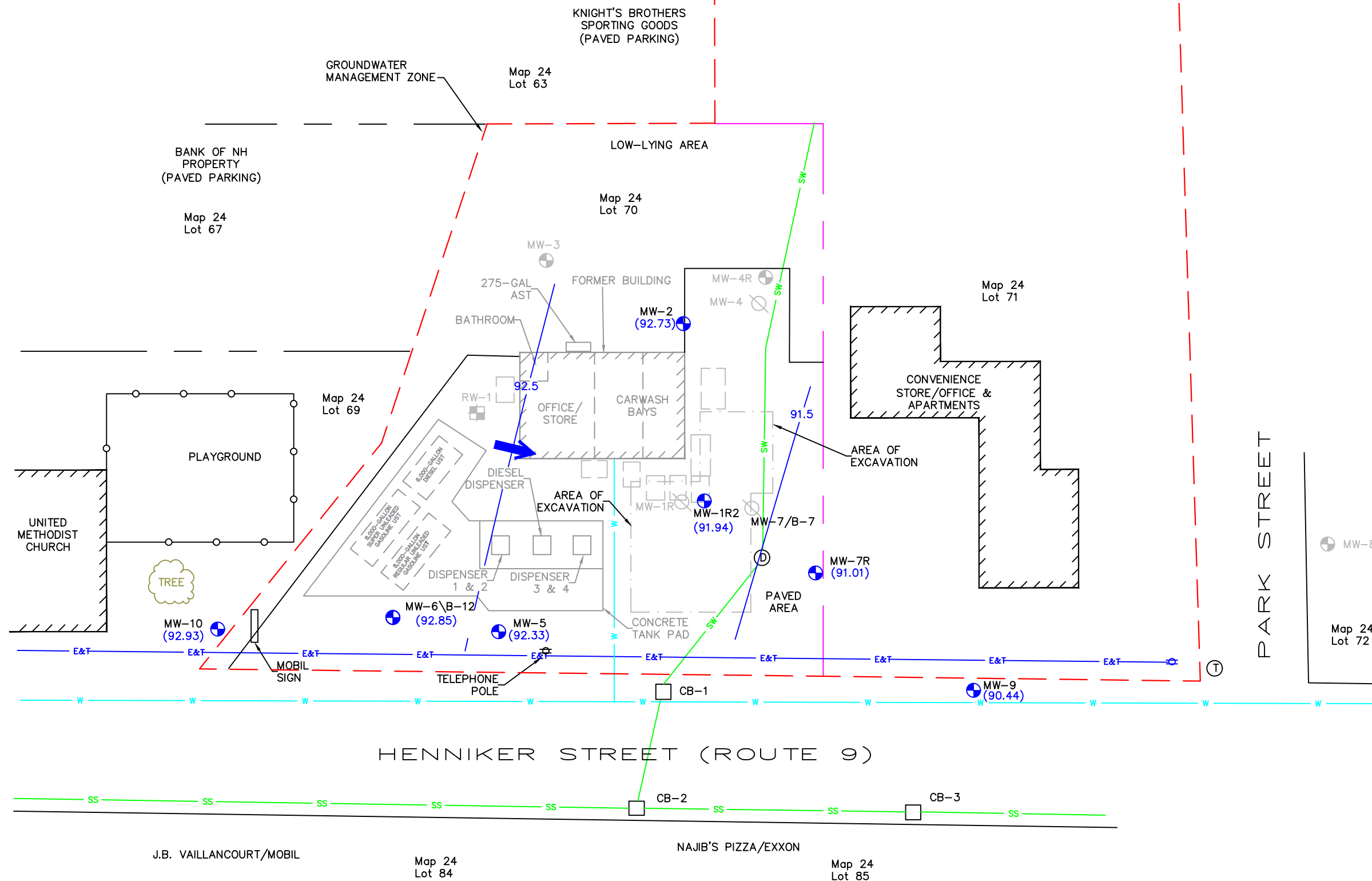
Figure 1: SITE LOCUS



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

- Approximate Property Line
- SS Sewer & Stormwater Drain Line
- SW Stormwater Drain Line
- E&T Overhead Electric & Phone Line
- Water Line
- Wood Fence
- CB-1 Catchbasin
- RW-1 Decommissioned Recovery Well
- MW-1 Groundwater Monitoring Well
- MW-1 Decommissioned Monitoring Well
- MW-2 Destroyed Monitoring Well
- Former UST Location
- D Drain Line Manhole
- T Telephone Manhole
- (91.89) Groundwater Elevation
- (*94.72) Suspect Groundwater Elevation, Not Contoured
- 92.5 Water Table Contour (Dashed where inferred)
- Flow Direction Indicator

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:

Geosight Site Plan dated 9/26/06.

Groundwater Notes:

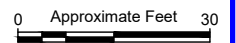
Horizontal, and vertical locations of wells, and selected site features determined through measurements made by representatives of ECS.

Groundwater elevations are relative to a temporary benchmark with an assumed datum of 100.00 feet.

Groundwater elevations are based on measurements made on September 16, 2022.

Water table contours, and flow directions assume homogenous, isotropic aquifer conditions, and horizontal flow.

Fluctuations in the level of the water table may occur due to factors not accounted for at the time of measurement.



NAME/ADDRESS:

Former Mr. Mikes Mobil
22 Henniker Street
Hillsborough, NH

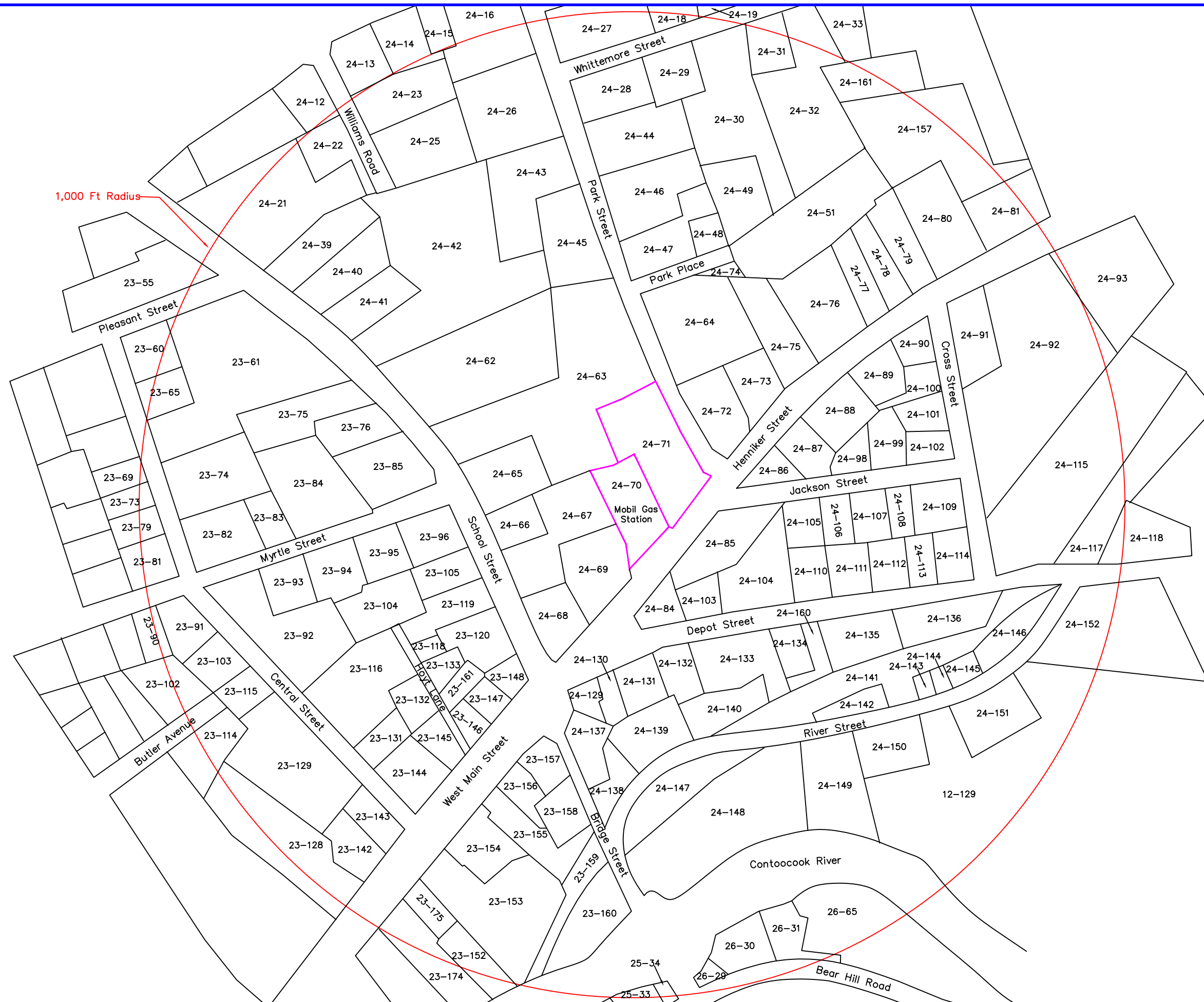
DRAWING TITLE:

Groundwater Contour
Plan-9/16/22

ATLAS

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

DRAWN BY:	OC	FIGURE NO.
CHECKED BY:	SL	
PROJECT NO.	0221074822	



Legend

— Approximate Site Boundary

24-70

Tax Map and Lot Number

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:

Town of Hillsborough, NH GIS Database

0 Approximate Feet 200

NAME/ADDRESS:

Mr. Mikes Mobil
22 Henniker Street
Hillsborough, NH

DRAWING TITLE:

1,000 Foot Radius Map

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

DRAWN BY:	OC
CHECKED BY:	SL
PROJECT NO.	02210748019

C	FIGURE NO.
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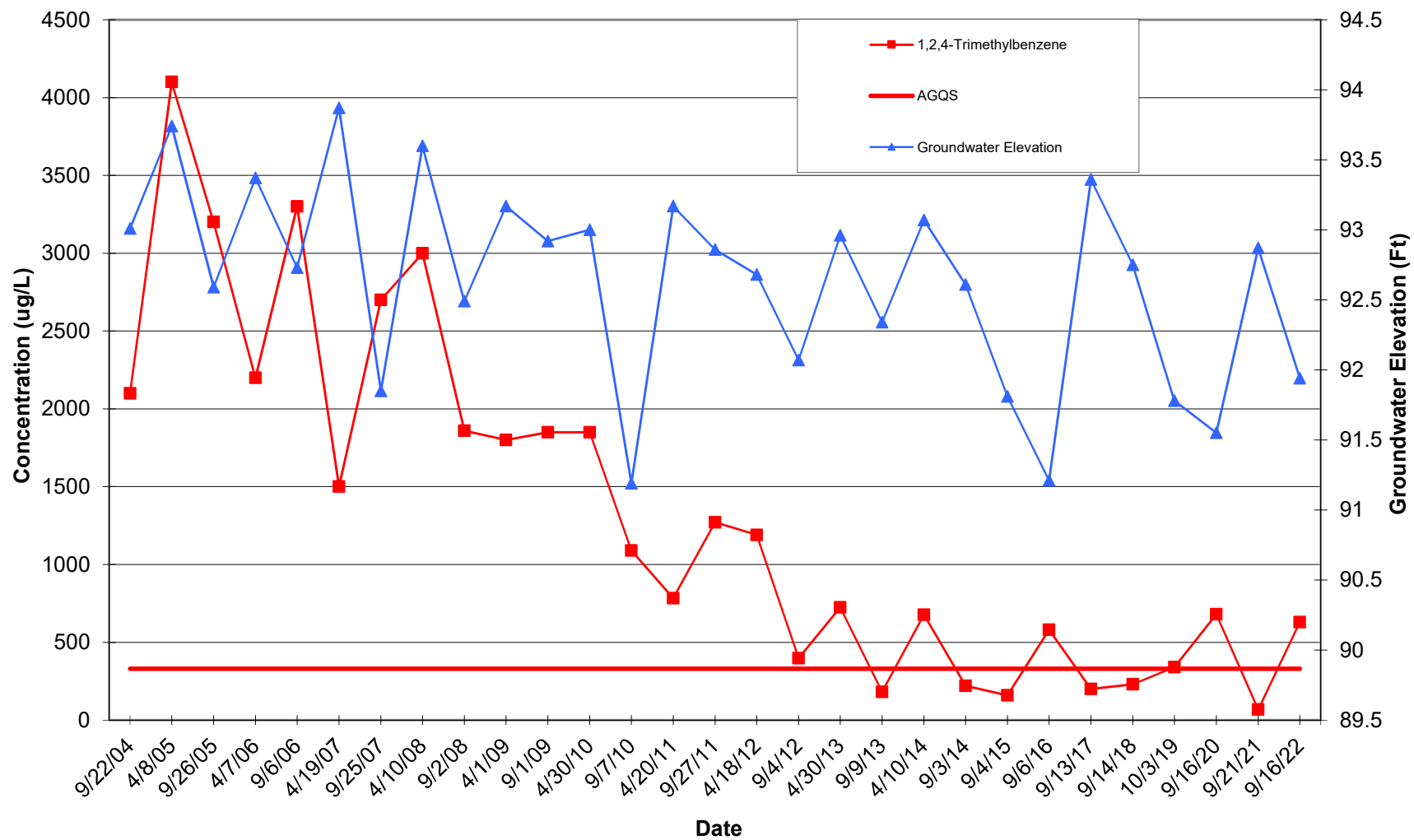
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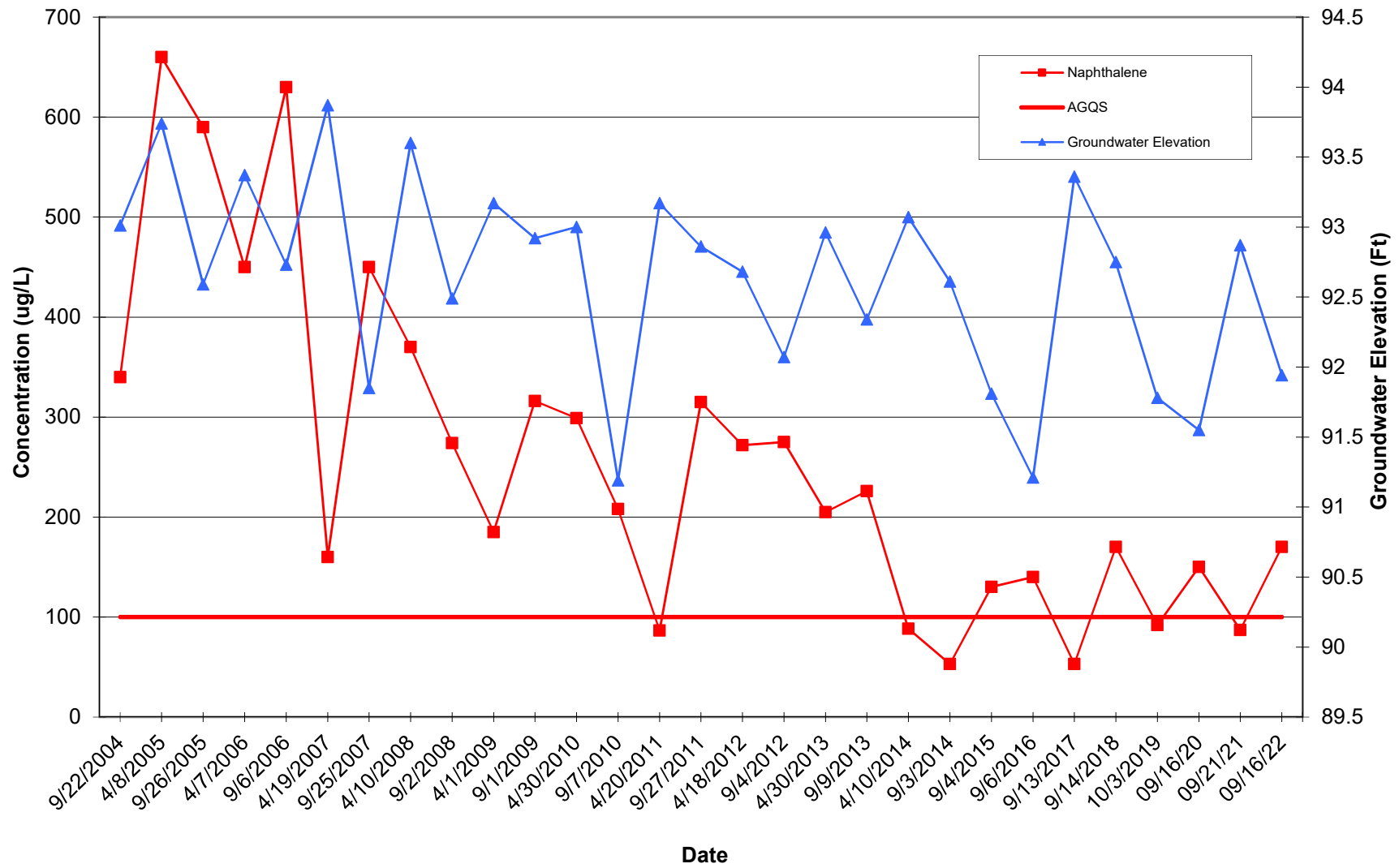
GRAPHS



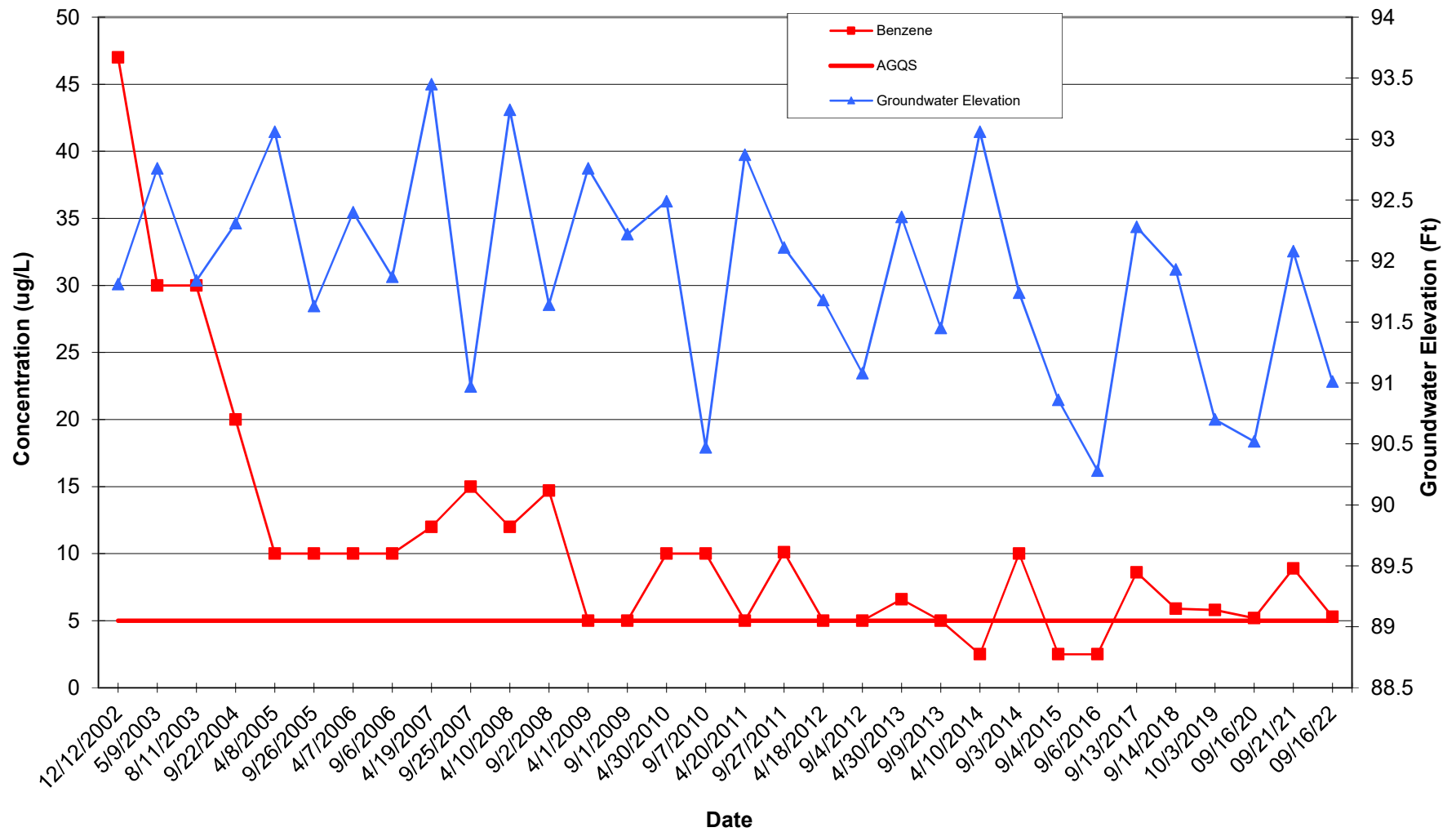
Graph 1:
1,2,4-Trimethylbenzene Concentrations Over Time in MW-1R2



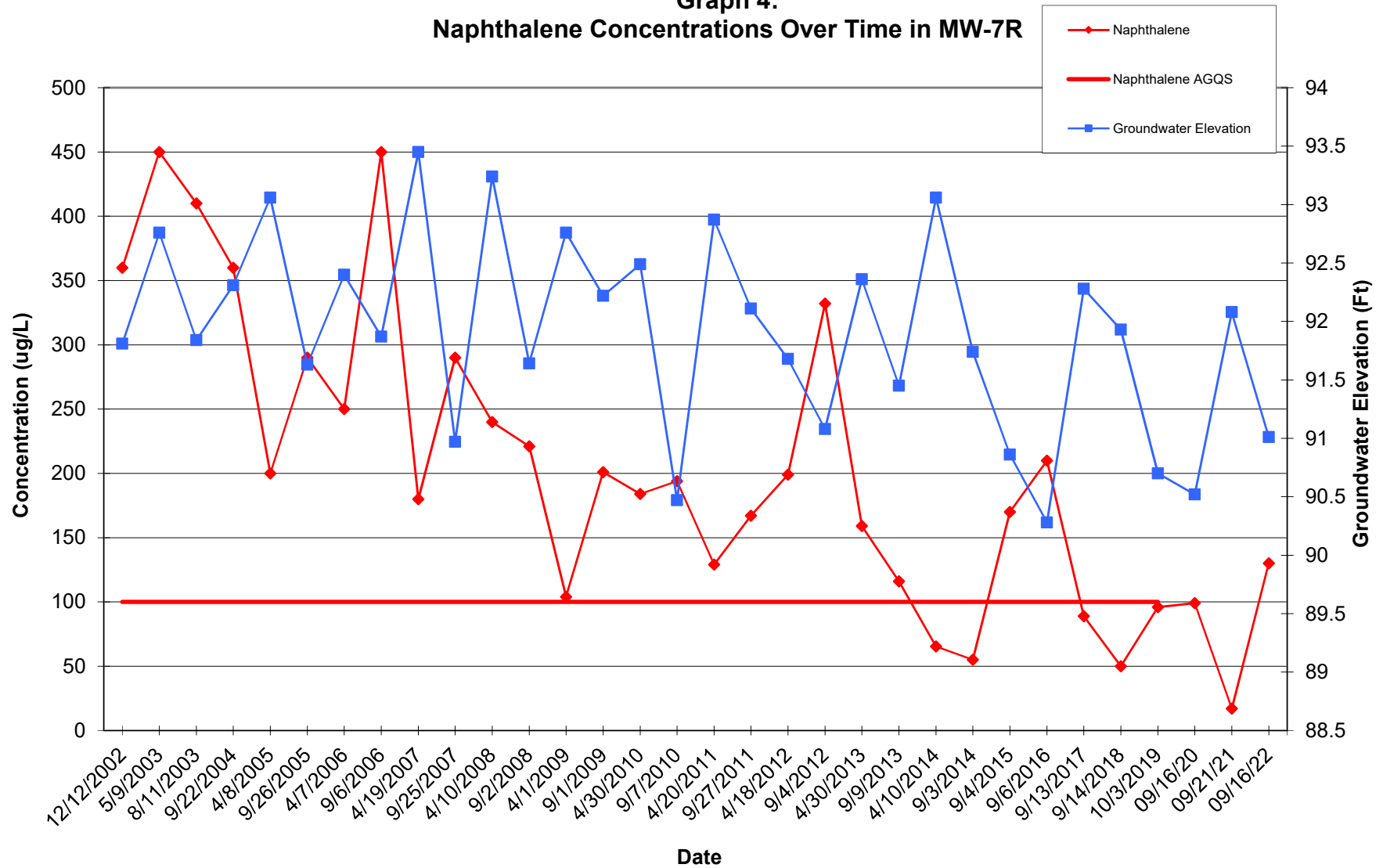
Graph 2:
Naphthalene Concentrations Over Time in MW-1R2



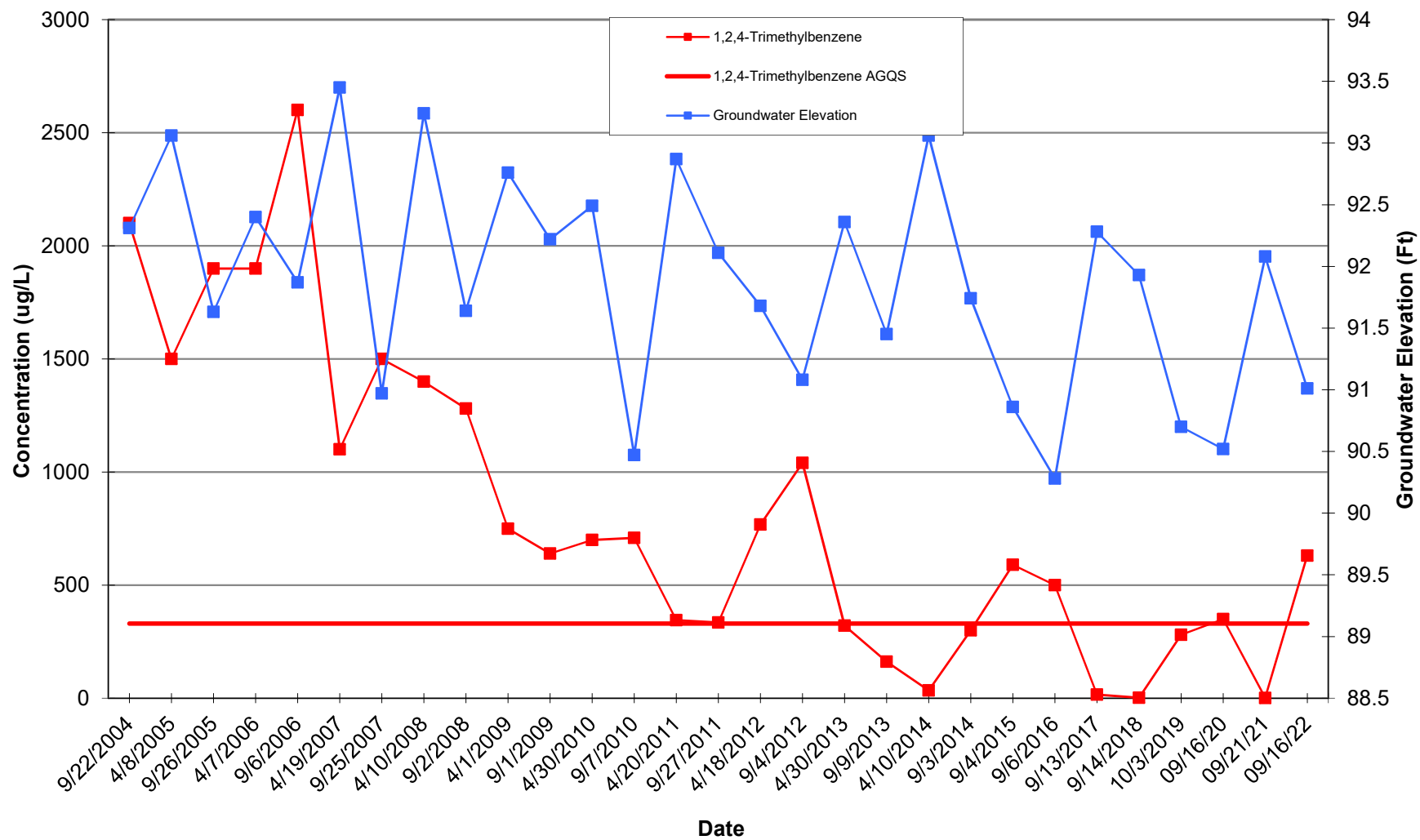
Graph 3:
Benzene Concentrations Over Time in MW-7R



Graph 4:
Naphthalene Concentrations Over Time in MW-7R



Graph 5:
1,2,4-Trimethylbenzene Concentrations Over Time in MW-7R



TABLES

Table 1
Groundwater Elevation Data
Former Mr. Mike's Mobil
22 Henniker St.
Hillsborough, NH
NHDES # 198904015
Atlas No. 02210748

Monitoring Well	Date	Top of PVC Well Casing (feet)	Depth to Groundwater (feet btoc)	Groundwater Elevation (feet)
MW-1R	01/04/01	98.27	5.79	92.48
	01/18/01	98.27	6.30	91.97
	01/04/02	99.83	7.08	92.75
	01/23/02	99.83	7.70	92.13
	07/30/02	99.83	5.82	94.01
	10/01/02	99.83	6.90	92.93
MW-1R2	9/6/05	99.28	6.69	92.59
	4/7/06	99.28	5.91	93.37
	9/6/06	99.28	6.55	92.73
	4/19/07	99.28	5.41	93.87
	9/25/07	99.28	7.43	91.85
	4/10/08	99.28	5.68	93.60
	9/2/08	99.28	6.79	92.49
	4/1/09	99.28	6.11	93.17
	9/1/09	99.28	6.36	92.92
	4/30/10	99.28	6.28	93.00
	9/7/10	99.28	8.09	91.19
	4/20/11	99.28	6.11	93.17
	9/27/11	99.28	6.42	92.86
	4/18/12	99.28	6.60	92.68
	9/4/12	99.28	7.21	92.07
	4/30/13	99.28	6.32	92.96
	9/9/13	99.28	6.94	92.34
	4/10/14	99.28	6.21	93.07
	9/3/14	99.28	6.67	92.61
	9/4/15	99.28	7.47	91.81
	9/6/16	99.28	8.07	91.21
	9/13/17	99.28	5.92	93.36
	9/14/18	99.28	6.53	92.75
	10/3/19	99.28	7.50	91.78
	9/16/20	99.28	7.73	91.55
	9/21/21	99.28	6.41	92.87
	9/16/22	99.28	7.34	91.94
MW-2	09/22/04	99.79	1.81	93.80
	04/08/05	99.79	NG	94.59
	09/26/05	99.79	1.96	93.21
	04/07/06	99.79	0.45	93.69
	09/06/06	99.79	NM	-
	09/25/07	99.79	7.50	-
	04/01/09	99.79	5.80	93.99
	09/01/09	99.79	6.30	93.49
	04/30/10	99.79	6.22	93.57
	9/7/10	99.79	8.24	91.55
	4/20/11	99.79	6.90	92.89
	9/27/11	99.79	6.30	93.49
	4/18/12	99.79	6.83	92.96
	9/4/12	99.79	7.39	92.40
	4/30/13	99.79	6.34	93.45
	9/9/13	99.79	7.07	92.72
	4/10/14	99.79	5.60	94.19
	9/3/14	99.79	6.68	93.11
	9/4/15	99.79	7.60	92.19
	9/6/16	99.79	8.29	91.50
MW-3	9/13/17	99.79	4.62	95.17
	9/14/18	99.79	6.39	93.40
	10/3/19	99.79	7.68	92.11
	9/16/20	99.79	7.90	91.89
	9/21/21	99.79	6.38	93.41
	9/16/22	99.79	7.06	92.73
	09/26/05	99.77	6.01	93.76
	04/07/06	99.77	3.80	95.97
	09/06/06	99.77	4.34	95.43
	04/19/07	99.77	NM	-
	09/25/07	99.77	5.67	94.10
	04/10/08	99.77	2.94	96.83
	09/02/08	99.77	4.99	94.78
	04/01/09	99.77	3.33	96.44
MW-4	09/01/09	99.77	4.06	95.71
	04/30/10	99.77	3.94	95.83
	9/7/10	99.77	6.67	93.10
	4/20/11	99.77	3.47	96.30
	9/27/11	99.77	4.91	94.86
	01/04/01	99.12	7.30	91.82
MW-4R	01/18/01	99.12	7.59	91.53
	01/04/02	99.68	7.96	91.72
	01/23/02	99.68	7.93	91.75
	07/30/02	99.68	7.41	92.27
	10/01/02	99.68	7.86	91.82
	09/26/05	99.90	7.71	92.19
	04/07/06	99.90	6.37	93.53
	09/06/06	99.90	NM	-
	04/19/07	99.90	5.82	94.08
	09/25/07	99.90	7.74	92.16
	04/10/08	99.90	6.00	93.90
	04/01/09	99.90	6.17	93.73
	09/01/09	99.90	6.41	93.49
	04/30/10	99.90	6.37	93.53
	9/7/10	99.90	8.08	91.82
	4/20/11	99.90	6.16	93.74
	9/27/11	99.90	5.42	94.48

Table 1
Groundwater Elevation Data
Former Mr. Mike's Mobil
22 Henniker St.
Hillsborough, NH
NHDES # 198904015
Atlas No. 02210748

Monitoring Well	Date	Top of PVC Well Casing (feet)	Depth to Groundwater (feet btoc)	Groundwater Elevation (feet)
MW-5	09/26/05	98.33	3.70	94.63
	04/07/06	98.33	3.63	94.70
	09/06/07	98.33	4.29	94.04
	04/19/07	98.33	2.36	95.97
	09/25/07	98.33	5.87	92.46
	04/10/08	98.33	2.81	95.52
	09/02/08	98.33	4.95	93.38
	04/01/09	98.33	3.44	94.89
	09/01/09	98.33	3.73	94.60
	04/30/10	98.33	3.79	94.54
	9/7/10	98.33	7.09	91.24
	4/20/11	98.33	3.40	94.93
	9/27/11	98.33	3.71	94.62
	4/18/12	98.33	4.55	93.78
	9/4/12	98.33	5.67	92.66
	4/30/12	98.33	3.61	94.72
	9/9/13	98.33	4.97	93.36
	4/10/14	98.33	3.17	95.16
	9/3/14	98.33	4.47	93.86
	9/4/15	98.33	6.10	92.23
	9/6/16	98.33	7.22	91.11
	9/13/17	98.33	3.43	94.90
	9/14/18	98.33	3.70	94.63
	10/3/19	98.33	6.42	91.91
	9/16/20	98.33	6.75	91.58
	9/21/21	98.33	3.75	94.58
	9/16/22	98.33	6.00	92.33
MW-6	09/26/05	98.63	4.47	94.16
	04/07/06	98.63	3.95	94.68
	09/06/06	98.63	4.27	94.36
	04/19/07	98.63	2.72	95.91
	09/25/07	98.63	5.75	92.88
	04/10/08	98.63	3.12	95.51
	09/02/08	98.63	4.88	93.75
	04/01/09	98.63	3.88	94.75
	09/01/09	98.63	4.00	94.63
	04/30/10	98.63	4.09	94.54
	9/7/10	98.63	7.13	91.50
	4/20/11	98.63	FLOODED NM	
	9/27/11	98.63		
	4/18/12	98.63	4.39	94.24
	9/4/12	98.63	5.45	93.18
	4/30/13	98.63	3.79	94.84
	9/9/13	98.63	4.85	93.78
	4/10/14	98.63	3.43	95.20
	9/3/14	98.63	4.36	94.27
	9/4/15	98.63	5.91	92.72
	9/6/16	98.63	7.09	91.54
	9/13/17	98.63	3.72	94.91
	9/14/18	98.63	3.98	94.65
	10/3/19	98.63	6.26	92.37
	9/16/20	98.63	6.61	92.02
	9/21/21	98.63	3.91	94.72
	9/16/22	98.63	5.78	92.85
MW-7	01/04/02	99.86	7.62	92.24
	01/23/02	99.86	7.17	92.69
	07/30/02	99.86	5.60	94.26
	10/01/02	99.86	7.39	92.47
MW-7R	09/26/05	98.76	7.13	91.63
	04/07/06	98.76	6.36	92.40
	09/06/06	98.76	6.89	91.87
	04/19/07	98.76	5.31	93.45
	09/25/07	98.76	7.79	90.97
	04/10/08	98.76	5.52	93.24
	09/02/08	98.76	7.12	91.64
	04/01/09	98.76	6.00	92.76
	09/01/09	98.76	6.54	92.22
	04/30/10	98.76	6.27	92.49
	9/7/10	98.76	8.29	90.47
	4/20/11	98.76	5.89	92.87
	9/27/11	98.76	6.65	92.11
	4/18/12	98.76	7.08	91.68
	9/4/12	98.76	7.68	91.08
	4/30/13	98.76	6.40	92.36
	9/9/13	98.76	7.31	91.45
	4/10/14	98.76	5.70	93.06
	9/3/14	98.76	7.02	91.74
	9/4/15	98.76	7.90	90.86
	9/6/16	98.76	8.48	90.28
	9/13/17	98.76	6.48	92.28
	9/14/18	98.76	6.83	91.93
	10/3/19	98.76	8.06	90.70
	9/16/20	98.76	8.24	90.52
	9/21/21	98.76	6.68	92.08
	9/16/22	98.76	7.75	91.01
MW-8	09/26/05	97.76	8.46	89.30
	04/07/06	97.76	6.58	91.18
	09/06/06	97.76	7.50	90.26
	04/19/07	97.76	2.97	94.79
	09/25/07	97.76	8.74	89.02
	04/10/08	97.76	4.38	93.38
	09/02/08	97.76	7.57	90.19
	04/01/09	97.76	5.56	92.20
	09/01/09	97.76	-	-
	04/30/10	97.76	-	-
	9/7/10	97.76	-	-
	4/20/11	97.76	5.28	92.48
	9/27/11	97.76	6.63	91.13

Table 1
Groundwater Elevation Data
Former Mr. Mike's Mobil
22 Henniker St.
Hillsborough, NH
NHDES # 198904015
Atlas No. 02210748

Monitoring Well	Date	Top of PVC Well Casing (feet)	Depth to Groundwater (feet btoc)	Groundwater Elevation (feet)
MW-9	09/26/05	99.09	8.32	90.77
	04/07/06	99.09	7.30	91.79
	09/06/06	99.09	7.87	91.22
	04/19/07	99.09	6.79	92.30
	09/25/07	99.09	8.73	90.36
	04/10/08	99.09	5.60	93.49
	09/02/08	99.09	8.04	91.05
	04/01/09	99.09	6.70	92.39
	09/01/09	99.09	7.38	91.71
	04/30/10	99.09	7.08	92.01
	9/7/10	99.09	9.10	89.99
	4/20/11	99.09	6.54	92.55
	9/27/11	99.09	7.52	91.57
	4/18/12	99.09	8.04	91.05
	9/4/12	99.09	8.70	90.39
	4/30/13	99.09	7.21	91.88
	4/30/13	99.09	8.23	90.86
	4/10/14	99.09	6.40	92.69
	9/3/14	99.09	7.93	91.16
	9/4/15	99.09	8.81	90.28
	9/6/16	99.09	9.24	89.85
	9/13/17	99.09	7.34	91.75
	9/14/18	99.09	7.62	91.47
	10/3/19	99.09	8.94	90.15
	9/16/20	99.09	9.15	89.94
	9/21/21	99.09	7.40	91.69
	9/16/22	99.09	8.65	90.44
MW-10	09/26/05	99.09	5.02	94.07
	04/07/06	99.09	4.40	94.69
	09/06/06	99.09	4.77	94.34
	04/19/07	99.09	3.27	95.82
	09/25/07	99.09	6.17	92.92
	04/10/08	99.09	3.75	95.34
	09/02/08	99.09	5.41	93.68
	04/01/09	99.09	4.32	94.77
	09/01/09	99.09	4.51	94.58
	04/30/10	99.09	4.52	94.57
	9/7/10	99.09	7.48	91.61
	4/20/11	99.09	4.27	94.82
	9/27/11	99.09	4.52	94.57
	4/18/12	99.09	5.09	94.00
	9/4/12	99.09	6.12	92.97
	4/30/13	99.09	4.48	94.61
	9/9/13	99.09	5.58	93.51
	4/10/14	99.09	4.11	94.98
	9/3/14	99.09	5.08	94.01
	9/4/15	99.09	6.47	92.62
	9/6/16	99.09	7.58	91.51
	9/13/17	99.09	4.43	94.66
	9/14/18	99.09	4.53	94.56
	10/3/19	99.09	6.69	92.40
	9/16/20	99.09	7.05	92.04
	9/21/21	99.09	4.46	94.63
	9/16/22	99.09	6.16	92.93

Notes:

1. ECS began gauging wells on 9/2/08; prior gauging results obtained from Geolinsight 2007 annual report.
2. Depth to ground water measured using an electronic water level indicator.

NM = water level not measured

btoc = below top of PVC well casing

"-" = Elevation not calculated

QA/QC REVIEW:
LAST UPDATED
BY: OC
DATE: 9/16/22
LAST CHECKED
BY: MB
DATE: 10-17-22

Table 2
Groundwater Quality Data
Former Mr. Mike's Mobil
22 Henniker St.
Hillsborough, New Hampshire
NHDES # 198904015
Atlas No. 02-210748

Well ID	Monitoring Date	EPA Method 8260																				EPA Method 504.1
		Benzene	Ethylbenzene	Toluene	Total Xylenes	Isopropylbenzene	n-propylbenzene	n-Butylbenzene	sec-butylbenzene	tert-butylbenzene	4-isopropyltoluene	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Naphthalene	MTBE	TAME	TBA	Acetone	Carbon Disulfide	Chloroform	Tetrahydrofuran	1,2 Dibromoethane (EDB)
AGQS	----	5	700	1,000	10,000	800	260	260	260	260	260	330	330	*100	13	140	40	6000	70	70	154	0.05
MW-1	08/05/88	4300	3900	14000	25900	NA	NA	NA	NA	-	NA	NA	NA	NA	9500	NA	NA	NA	NA	ND	ND	NA
	07/12/89	4300	2300	20000	17000	NA	NA	NA	NA	-	NA	NA	NA	NA	1400	NA	NA	NA	NA	ND	ND	NA
	05/30/91	<1000	<1000	20000	17000	NA	NA	NA	NA	-	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	ND	NA
MW-1R	01/04/01	30	880	210	6400	130	NR	NR	NR	-	NR	NR	NR	580	<10.0	NA	NA	<100.0	<20.0	ND	ND	NA
	01/18/01	20	1500	250	9300	130	NR	NR	NR	-	NR	NR	NR	480	<10.0	NA	NA	<100.0	30	ND	ND	NA
	01/23/02	<20.0	1200	170	9400	110	NR	NR	NR	-	NR	NR	NR	510	<20.0	NA	NA	<100.0	<20.0	ND	ND	NA
	07/30/02	<20.0	1000	70	9600	50	NR	NR	NR	-	NR	NR	NR	470	<20.0	NA	NA	<100.0	<20.0	ND	ND	NA
	10/01/02	9	1100	190	7600	97	NR	NR	NR	-	NR	NR	NR	450	14	NA	NA	<10	<5	<2	ND	NA
MW-1R2	09/26/06	10	500	14	3200	140	330	<10.0	21	-	16	3200 E	710	590	30	<10.0	<200	<50.0	<50.0	<10.0	ND	NA
	04/07/06	11	250	<10.0	1810	160	190	<10.0	19	-	12	2200	590	450	30	<10.0	<200	<50.0	<10.0	<10.0	78	NA
	09/06/06	24	700	13	3140	220	330	<10.0	28	-	14	3300	380	630	14	<10.0	<200	<50.0	<10.0	<10.0	<50.0	NA
	04/19/07	<20.0	410	23	2090	69	160	<20.0	<20.0	-	<20.0	1500	230	160	<20.0	<20.0	<400	<100.0	<20.0	<20.0	<100	NA
	09/25/07	<10.0	660	25	3060	110	260	<10.0	15	-	13	2700	280	450	<10.0	<10.0	<200	<50.0	<10.0	<10.0	<50.0	NA
	04/10/08	<20.0	550	24	3410	92	260	<20.0	<20.0	-	<20.0	3000	500	370	<20.0	<20.0	<400	<100.0	<20.0	<20.0	<100	NA
	09/02/08	<20.0	314	<20.0	1924	60.2	161	<20.0	<20.0	-	<20.0	1860	294	274	<20.0	<20.0	<200	<200	<100	<20.0	<200	NA
	04/01/09	<20.0	330	<20.0	1757	54.6	153	<20.0	<20.0	<20.0	<20.0	1800	262	185	<20.0	<20.0	<200	<200	<100	<20.0	<200	<0.0100
	09/01/09	<20.0	414	<20.0	2172	72.6	206	<20.0	<20.0	<20.0	<20.0	1850	372	316	<20.0	<20.0	<200	<200	<100	<20.0	<200	<0.0100
	04/30/10	<20.0	343	<20.0	1637	69.0	190	<20.0	<20.0	<20.0	<20.0	1850	289	299	<20.0	<20.0	<200	<200	<100	<20.0	<200	NA
	09/07/10	<20.0	375	<20.0	725	61.8	177	<20.0	<20.0	<20.0	<20.0	1090	42.4	208	<20.0	<20.0	<200	<200	<100	<20.0	<200	NA
	04/20/11	<20.0	287	<20.0	1157	39.8	101	<20.0	<20.0	<20.0	<20.0	784	94.2	86.6	<20.0	<20.0	<200	<200	<100	<20.0	<200	NA
	09/27/11	<20.0	509	<20.0	1782	78.4	226	<20.0	<20.0	<20.0	<20.0	1270	218	315	<20.0	<20.0	<200	<200	<100	<20.0	<200	NA
	04/18/12	<20.0	354	<20.0	1147	73.2	174	<20.0	<20.0	<20.0	<20.0	1190	214	272	<20.0	<20.0	<200	<200	<100	<20.0	<200	NA
	09/04/12	<10.0	263	<10.0	555.6	56.1	174	<10.0	11.3	<10.0	<10.0	397	69.5	275	<10.0	<10.0	<100	<100	<20.0	<10.0	<20.0	NA
	04/30/13	<10.0	259	<10.0	922	61.9	172	<10.0	25.3	<10.0	<10.0	724	78.0	205	<10.0	<10.0	<100	<100	<20.0	<10.0	<20.0	NA
	09/09/13	<25.0	240	<25.0	392.8	59.0	168	<25.0	<25.0	<25.0	<25.0	181	46.8	226	<25.0	<25.0	<250	<250	<50	<25.0	<50	NA
	04/10/14	<20.0	191	<20.0	607	63.0	123	<20.0	22.2	<20.0	<20.0	676	78.8	88.4	<20.0	<20.0	<200	<200	<40.0	<20.0	<40.0	NA
	09/03/14	<10.0	280	<10.0	376	63	210	<10.0	16	<10.0	<10.0	220	38.0	53	<10.0	<10.0	<5.0	<500	<40.0	<20.0	<100.0	NA
	09/04/15	<5.0	150	<5.0	204	40	130	<5.0	13	<5.0	<5.0	160	31	130	<5.0	<2.5	<100	<250	<20	<10	<50	NA
	09/06/16	<4.0	350	<4.0	385	74	190	<4.0	9.2	<4.0	<4.0	580	38	140	<4.0	<2.0	<80	<200	<16	<8.0	<40	NA
	09/13/17	<5.0	41	<4.0	72.2	18	53	<5.0	<5.0	<5.0	<5.0	200	23	53	<5.0	<2.5	<100	<250	<20	<10	<50	NA
	09/14/18	<4.0	240	<4.0	388	52	150	<4.0	21	<4.0	<4.0	230	45	170	<4.0	<2.0	<80	<200	<16	NA	<40	NA
	10/03/19	<4.0	140	<4.0	181	41	120	<4.0	7.0	<4.0	<4.0	340	53	92	<4.0	<2.0	<80	<200	<20	NA	<40	NA
	09/16/20	<5.0	230	<5.0	280	76	220	<5.0	12	<5.0	<5.0	680	150	150	<5.0	<2.5	<100	<250	<25	NA	<50	NA
	09/21/21	3.9	160	<2.0	62.9	56	170	<2.0	19	<2.0	<2.0	67	7.3	87	<2.0	<1.0	<40	<100	<10	NA	<20	NA
	09/16/22	<2.0	310	2.3	168	100	290	<2.0	14	<2.0	<2.0	630	120	170	<2.0	<1.0	<40	<100	<10	NA	<20	NA
MW-2	01/23/02	<2.0	<2.0	<2.0	<2.0	<2.0	NR	NR	NR	-	NR	NR	NR	<2.0	44	NA	NA	<10.0	<2.0	ND	ND	NA
	07/30/02	<2.0	<2.0	<2.0	<2.0	<2.0	NR	NR	NR	-	NR	NR	NR	<2.0	26	NA	NA	<10.0	<2.0	ND	ND	NA
	10/01/02	<1.0	<1.0	<1.0	<1.0	<1.0	NR	NR	NR	-	NR	NR	NR	<5.0	33	NA	NA	<10.0	<5.0	<2.0	ND	NA
	12/12/02	<1.0	<1.0	<1.0	<1.0	<1.0	NR	NR	NR	-	NR	NR	NR	<5.0	24	NA	NA	<10.0	<5.0	<2.0	ND	NA
	05/09/03	<2.0	<2.0	<2.0	<2.0	<2.0																

Table 2
Groundwater Quality Data
Former Mr. Mike's Mobil
22 Henniker St.
Hillsborough, New Hampshire
NHDES # 198904015
Atlas No. 02-210748

Well ID	Monitoring Date	EPA Method 8260																			EPA Method 504.1	
		Benzene	Ethylbenzene	Toluene	Total Xylenes	Isopropylbenzene	n-propylbenzene	n-Butylbenzene	sec-butylbenzene	tert-butylbenzene	4-isopropyltoluene	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Naphthalene	MTBE	TAME	TBA	Acetone	Carbon Disulfide	Chloroform	Tetrahydrofuran	1,2 Dibromoethane (EDB)
AGQS	----	5	700	1,000	10,000	800	260	260	260	260	260	330	330	*100	13	140	40	6000	70	70	154	0.05
MW-4R	01/23/02	3	46	<2.0	78	7	NR	NR	NR	-	NR	NR	NR	64	39	NA	NA	<10	<2	ND	ND	NA
	07/30/02	3	38	<2.0	79	6	NR	NR	NR	-	NR	NR	NR	51	18	NA	NA	<10	<2	ND	ND	NA
	10/01/02	<1.0	19	<1.0	47	3	NR	NR	NR	-	NR	NR	NR	27	54	NA	NA	<10	<5	<2	ND	NA
	12/12/02	<1.0	<1.0	<1.0	<1.0	<1.0	NR	NR	NR	-	NR	NR	NR	<5.0	<5.0	NA	NA	<10	<5	<2	ND	NA
	05/09/03	<2.0	<2.0	<2.0	<2.0	<2.0	NR	NR	NR	-	NR	NR	NR	<5.0	3	NA	NA	NA	NA	NA	NA	NA
	08/11/03	<1.0	<2.0	<2.0	<2.0	<2.0	NR	NR	NR	-	NR	NR	NR	<5.0	4	<2.0	<50.0	<100.0	<2.0	<2.0	ND	NA
	11/01/11	Decommissioned																				
MW-5	09/22/04	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	ND	<2.0	-	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<50.0	<10.0	<2.0	69	<10.0	NA
	04/08/05	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	ND	<2.0	-	<2.0	<2.0	<2.0	<5.0	3	<2.0	<50.0	<10.0	<2.0	4	<10.0	NA
	09/26/05	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	ND	<2.0	-	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<40.0	<10.0	<2.0	82	<10.0	NA
	04/07/06	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	ND	<2.0	-	<2.0	<2.0	<2.0	<5.0	42	<2.0	<40.0	<10.0	<2.0	6	<10.0	NA
	09/06/06	<2.0	2	<2.0	<2.0	10	23	ND	3	-	<2.0	82	<2.0	<5.0	2	<2.0	<40.0	<10.0	<2.0	<2.0	<10.0	NA
	04/19/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	ND	<2.0	-	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<40.0	<10.0	<2.0	3	<10.0	NA
	09/02/08	<1.0	<1.0	<1.0	<3.0	<1.0	1.4	<1.0	1.6	-	<1.0	1.7	<1.0	<1.0	<1.0	<1.0	<10.0	<10.0	<5.0	<1.0	<10.0	NA
04/01/09	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	<10.0	<5.0	<1.0	<10.0	NA	
MW-6	09/26/05	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<40.0	<10.0	<2.0	<2.0	<10.0	NA
	04/07/06	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<40.0	<10.0	<2.0	4	<10.0	NA
	09/06/06	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<40.0	<10.0	<2.0	<2.0	<10.0	NA
	04/19/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<40.0	<10.0	<2.0	4	<10.0	NA
	09/25/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<40.0	<10.0	<2.0	<2.0	<10.0	NA
	04/10/08	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<40.0	<10.0	<2.0	5	<10.0	NA
	09/02/08	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	<10.0	<5.0	1.7	<10.0	NA
04/01/09	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	<10.0	<5.0	2.7	<10.0	NA	
MW-7R	09/26/05	<20.0	1000	25	3960	120	300	<20.0	<20.0	-	<20.0	1900	450	290	<20.0	<20.0	<400	<100	<20.0	<20.0	ND	NA
	04/07/06	<20.0	1100	32	4600	130	280	<20.0	<20.0	-	<20.0	1900	410	250	20	<20.0	<400	<100	<20.0	<20.0	<100	NA
	09/06/06	<20.0	1400	28	5400	160	390	<20.0	22	-	<20.0	2600	430	450	24	<20.0	<400	<100	<20.0	<20.0	<100	NA
	04/19/07	12	570	<10.0	1889	90	230	<10.0	14	-	<10.0	1100	220	180	<10.0	<10.0	<200	<50.0	<10.0	<10.0	<50.0	NA
	09/25/07	15	890	19	2970	110	270	<10.0	17	-	11	1500	330	290	<10.0	<10.0	<200	<50.0	<10.0	<10.0	<50.0	NA
	04/10/08	12	560	<10.0	1664	87	230	<10.0	18	-	13	1400	260	240	<10.0	<10.0	<200	<50.0	<10.0	<10.0	<50.0	NA
	09/02/08	14.7	814	14.1	2718	122	301	30.1	22.2	-	12.2	1280	283	221	<10.0	<10.0	<100	<100	<50.0	<10.0	<100	NA
	04/01/09	<10.0	440	<10.0	1289	60.9	173	22.8	<10.0	<10.0	<10.0	749	163	104	<10.0	<10.0	<100	<100	<50.0	<10.0	<100	<0.0100
	09/01/09	<10.0	536	<10.0	1313	83.9	233	26.8	15.4	<10.0	<10.0	639	161	201	<10.0	<10.0	<100	<100	<50.0	<10.0	<100	<0.0100
	04/30/10	<20.0	420	<20.0	1362	70.4	181	26.4	<20.0	<20.0	<20.0	700	196	184	<20.0	<20.0	<200	<200	<40.0	<20.0	<40.0	NA
	09/07/10	<20.0	603	<20.0	1957	64.4	180	24.4	<20.0	<10.0	<20.0	709	165	194	<20.0	<20.0	<200	<200	<40.0	<20.0	<40.0	NA
	04/20/11	<10.0	383	<10.0	710.7	55.8	142	23.3	15.7	<10.0	<10.0	345	110	129	<10.0	<10.0	<100	<100	<20.0	<10.0	<20.0	NA
	09/27/11	10.1	442	<10.0	1011	59.2	174	23.6	16.6	<10.0	<10.0	335	112	167	<10.0	<10.0	<100	<100	<20.0	<10.0	<20.0	NA
	04/18/12	<10.0	537	<10.0	1998	72.1	191	21.6	16.3	<10.0	<10.0	768	209	199	<10.0	<10.0	<100	<100	<20.0	<10.0	<20.0	NA
	09/04/12	<10.0	785	<10.0	2862	89.9	244	26.1	17.2	<10.0	<10.0	1040	282	332	<10.0	<10.0	<100	<100	<20.0	<10.0	<20.0	NA
	04/30/13	6.6	276	<5.00	768.4	47.0	125	16.2	11.2	<5.00	<5.00	321	101	159	<5.00	<5.00	<50.0	<50.0	<10.0	<5.00	<10.0	NA
	09/09/13	<10.0	318	<10.0	333.3	61.4	164	25.8	18.9	<10.0	<10.0	161	51.3	116	<10.0	<10.0	<100	<100	<20.0	<10.0	<20.0	NA
	04/10/14	<5.00	166	<5.00	146.15	44.4	91.0	15.0	10.2	<5.00	<5.00	34.0	29.2	65.4	<5.00	<5.00	<50.0	<50.0	<10.0	<5.00	<10.0	NA
	09/03/14	10	250	<10	382	58	160	21	16	<10	<10	30										

Table 2
Groundwater Quality Data
Former Mr. Mike's Mobil
22 Henniker St.
Hillsborough, New Hampshire
NHDES # 198904015
Atlas No. 02-210748

Well ID	Monitoring Date	EPA Method 8260																			EPA Method 504.1	
		Benzene	Ethylbenzene	Toluene	Total Xylenes	Isopropylbenzene	n-propylbenzene	n-Butylbenzene	sec-butylbenzene	tert-butylbenzene	4-isopropyltoluene	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Naphthalene	MTBE	TAME	TBA	Acetone	Carbon Disulfide	Chloroform	Tetrahydrofuran	1,2 Dibromoethane (EDB)
AGQS	----	5	700	1,000	10,000	800	260	260	260	260	260	330	330	*100	13	140	40	6000	70	70	154	0.05
MW-9	09/26/05	<10.0	190	<10.0	380	140	360	<10.0	27	-	12	1700	420	120	<10.0	<10.0	<200	<50.0	<10.0	<10.0	ND	NA
	04/07/06	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	3	<2.0	<5.0	7	<2.0	<40.0	<10.0	<2.0	<2.0	<10.0	NA
	09/06/06	<2.0	<2.0	<2.0	<2.0	8	4	<2.0	4	-	<2.0	11	<2.0	<5.0	5	<2.0	<40.0	<10.0	<2.0	<2.0	<10.0	NA
	04/19/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	4	<2.0	<5.0	<2.0	<2.0	<40.0	<10.0	<2.0	<2.0	<10.0	NA
	09/25/07	<10.0	300	<10.0	751	180	590	<10.0	59	-	160	3200	730	180	<10.0	<10.0	<200	<50.0	<10.0	<10.0	<50.0	NA
	04/10/08	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<5.0	23	<2.0	<40.0	<10.0	<2.0	<2.0	<10.0	NA
	09/02/08	<1.0	25.4	<1.0	4.9	31.8	84.8	14.4	14.2	-	<1.0	144	8.3	3.2	<1.0	<1.0	<10.0	<10.0	<5.0	<1.0	<10.0	NA
	04/01/09	<1.0	2.0	<1.0	<3.0	2.4	6.1	2.5	2.0	<1.0	<1.0	25.0	1.8	4.8	1.6	<1.0	<10.0	<10.0	<5.0	<1.0	<10.0	<0.0100
	09/01/09	<1.0	1.6	<1.0	<3.0	7.0	8.7	1.7	3.8	<1.0	1.2	7.2	<1.0	1.0	<1.0	<1.0	<10.0	<10.0	<5.0	<1.0	<10.0	<0.0100
	04/30/10	<1.0	<1.0	<1.0	<3.0	1.3	1.3	<1.0	3.0	<1.0	<1.0	1.8	<1.0	<1.0	11.4	<1.0	<10.0	<10.0	<2.0	<1.0	<2.0	NA
	09/07/10	1.0	89.0	1.8	102	71.8	196	70.6	44.6	<25.0	<1.0	901	186	47.9	<1.0	<10.0	<10.0	<2	<2.0	<1.0	<2.0	NA
	04/20/11	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	<10.0	<5.0	<1.0	<10.0	NA
	09/27/11	2.2	36.0	<1.0	4.2	26.2	62.2	9.1	11.6	1.1	1.0	53.6	<1.0	3.2	<1.0	<1.0	<10.0	<10.0	<5.0	<1.0	<10.0	NA
	04/18/12	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	<10.0	<5.0	<1.0	<10.0	NA
	09/04/12	1.49	72	1.88	25.89	50.6	143	42.6	30.9	1.68	<1.0	370	88.6	39.5	<1.0	<1.0	<10.0	<10.0	<5.0	<1.0	<10.0	NA
	04/30/13	<1.00	<1.00	<1.00	<3.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<2.00	<1.00	<2.00	NA
	09/09/13	<1.00	<1.00	<1.00	<3.00	2.89	2.31	1.44	2.94	<1.00	<1.00	<1.00	<1.00	1.31	<1.00	<1.00	<10.0	<10.0	<2.00	<1.00	<2.00	NA
	04/10/14	<1.00	<1.00	<1.00	<3.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<2.00	<1.00	<2.00	NA
	09/03/14	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<50.0	<4.00	<2.0	<10	NA
	09/04/15	<1.0	11	<1.0	3.5	23	73	28	28	1.2	<1.0	60	4.8	3.2	<1.0	<0.50	<20	<50.0	<4.00	<2.0	<10	NA
	09/06/16	3.7	120	2.2	115.3	40	100	38	28	1.5	10	450	380	32	<1.0	<0.50	<20	<50.0	<4.00	<2.0	<10	NA
	09/13/17	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<0.50	<20	<50.0	<4.00	<2.0	<10	NA
	09/14/18	<1.0	<1.0	<1.0	<3.0	1.4	<1.0	<1.0	4.9	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<0.50	<20	<50.0	<4.0	NA	<10	NA
	10/03/19	<1.0	3.6	<1.0	<3.0	8.4	9.1	8.9	21	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<0.50	<20	<50	<5.0	NA	<10	NA
	09/16/20	<1.0	3.4	<1.0	<3.0	8.7	9.6	14	28	1.1	<1.0	<1.0	<1.0	<2.0	<1.0	<0.50	<20	<50	<5.0	NA	<10	NA
	09/22/21	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<0.50	<20	<50	<5.0	NA	<10	NA
	09/16/22	<1.0	2.9	<1.0	<3.0	6.8	5.5	8.4	22	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<0.50	<20	<50	<5.0	NA	<10	NA
MW-10	09/26/05	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<5.0	60	<2.0	<40.0	<10.0	<2.0	<2.0	<10.0	NA
	04/07/06	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<5.0	39	<2.0	<40.0	<10.0	<2.0	<2.0	<10.0	NA
	09/06/06	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<5.0	22	<2.0	<40.0	<10.0	<2.0	<2.0	<10.0	NA
	04/19/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<40.0	<10.0	<2.0	<2.0	<10.0	NA
	09/25/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<5.0	5	<2.0	<40.0	<10.0	<2.0	<2.0	<10.0	NA
	04/10/08	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<40.0	<10.0	<2.0	<2.0	<10.0	NA
	09/02/08	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<10.0	<10.0	<5.0	<1.0	<10.0	NA
	04/01/09	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	<10.0	<5.0	1.2	<10.0	NA

Notes:

1. AGQS = Ambient Groundwater Quality Standard as defined in Env-Or 600
2. < = concentration was below the laboratory reporting limit; the value presented is the laboratory reporting limit.
3. Bold indicates constituent detected above applicable AGQS
4. NA = not analyzed.
5. Results are expressed in micrograms per liter (µg/L)
6. Results in *italics* indicate reporting limit above AGQS.

MTBE = Methyl tertiary-butyl ether
TAME = Tertiary amyl methyl ether
TBA = Tertiary butyl alcohol
* The naphthalene AGQS was raised to 100 ug/L effective September 1, 2018

QA/QC REVIEW:
LAST UPDATED
BY: MB
DATE: 10/17/22
LAST CHECKED
BY: OC
DATE: 10/18/22

APPENDIX A
NHDES CORRESPONDENCE





The
NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES
hereby issues
GROUNDWATER MANAGEMENT PERMIT NO. GWP-198904015-H-004
to the permittee
GLOBAL COMPANIES LLC
to monitor the past discharge of
Petroleum Hydrocarbons
at
MR. MIKE'S HILLSBORO (FORMER HILLSBORO SUNOCO)
(22 Henniker Street)
in HILLSBOROUGH, N.H.
via the groundwater monitoring system comprised of
seven monitoring wells
as depicted on the Site Plan entitled
Figure 2, Groundwater Elevation Contour Map
dated October 3, 2019, prepared by ATC

TO: GLOBAL COMPANIES LLC
RICHARD BROWNE
800 SOUTH STEET, SUITE 500
WALTHAM, MA 02451

Date of Issuance: October 14, 2021
Date of Expiration: October 13, 2026

Pursuant to authority in N.H. RSA 485-C:6-a, the New Hampshire Department of Environmental Services (NHDES), hereby grants this permit to monitor past discharges to the groundwater at the above described location for five years subject to the following conditions:

(continued)

STANDARD MANAGEMENT PERMIT CONDITIONS

1. The permittee shall not violate Ambient Groundwater Quality Standards adopted by NHDES (N.H. Admin. Rules Env-Or 600) in groundwater outside the boundaries of the Groundwater Management Zone, as shown on the site plan entitled "Figure 3, Groundwater Management Zone Map", prepared by ATC, undated.
2. The permittee shall not cause groundwater degradation that results in a violation of surface water quality standards (N.H. Admin. Rules Env-Ws 1700) in any surface water body.
3. The permittee shall allow any authorized staff of NHDES, or its agent, to enter the property covered by this permit for the purpose of collecting information, examining records, collecting samples, or undertaking other action associated with this permit.
4. The permittee shall apply for the renewal of this permit prior to its expiration date but no more than 90 days prior to expiration.
5. This permit is transferable only upon written request to, and approval of, NHDES. Compliance with the existing Permit shall be established prior to permit transfer. Transfer requests shall include the name and address of the person to whom the permit transfer is requested, signature of the current and future permittee, and a summary of all monitoring results to date.
6. NHDES reserves the right, under N.H. Admin. Rules Env-Or 600, to require additional hydrogeologic studies and/or remedial measures if NHDES receives information indicating the need for such work.
7. The permittee shall maintain a water quality monitoring program and submit monitoring results to NHDES' Waste Management Division no later than 45 days after the samples are collected. Samples shall be collected from monitoring wells as shown and labeled on the referenced site plan and as listed on the following table in accordance with the schedule outlined herein:

<u>Monitoring Locations</u>	<u>Monitoring Frequency</u>	<u>Parameters</u>
MW-1R2, MW-2, MW-7R, and MW-9	September of each year	NHDES Waste Management Division Full List of Analytes for Volatile Organics and static water level
MW-5, MW-6, and MW-10	September of each year	Static water level

Sample collection shall be performed in accordance with the documents listed in Env-Or 610.02(e). Samples shall be analyzed by a laboratory certified by the U.S. Environmental Protection Agency or the New Hampshire Department of Environmental Services.

Summaries of water quality shall be submitted in November 2022 and 2024 to the NHDES' Waste Management Division using a format acceptable to NHDES. The Summary Report shall include the information listed in Env-Or 607.04(a), as applicable.

The Periodic Summary Report shall be prepared and stamped by a professional engineer or professional geologist licensed in the State of New Hampshire.

8. Issuance of this permit is based on the Application for Renewal of Groundwater Management Permit dated February 17, 2020 and the historical documents found in NHDES file DES #198904015. NHDES may require additional hydrogeologic studies and/or remedial measures if invalid or inaccurate data are submitted.
9. Within 30 days of discovery of a violation of an ambient groundwater quality standard at or beyond the Groundwater Management Zone boundary, the permittee shall notify NHDES in writing. Within 60 days of discovery, the permittee shall submit recommendations to correct the violation. NHDES shall approve the recommendations if NHDES determines that they will correct the violation.
10. All monitoring wells at the site shall be properly maintained and secured from unauthorized access or surface water infiltration.

SPECIAL CONDITIONS FOR THIS PERMIT

11. Recorded property within the Groundwater Management Zone shall include the lots as listed and described in the following table:

Tax Map/ Lot #	Property Address	Owner Name and Address	Deed Reference (Book/Page)
24/70	22 Henniker Street Hillsborough, NH	Global Companies LLC 800 South Street Waltham, MA 02453	9340/2098
24/71	24 Henniker Street Hillsborough, NH	Knight Brothers 166 West Main Street Hillsborough, NH 03244	3390/0749

12. The permittee shall update ownership information required by Env-Or 607.03(a)(20) for all properties within the Groundwater Management Zone prior to renewal of the permit or upon a recommendation for site closure.



Robert Bishop, Administrator
Oil Remediation and Compliance Bureau
Waste Management Division

Any person aggrieved by this decision may appeal to the N.H. Waste Management Council ("Council") by filing an appeal that meets the requirements specified in RSA 21-O:14 and the rules adopted by the Council, Env-WMC 200. The appeal must be filed **directly with the Council within 30 days** of the date of this decision and must set forth fully **every ground** upon which it is claimed that the decision complained of is unlawful or unreasonable. Only those grounds set forth in the notice of appeal can be considered by the Council.

Information about the Council, including a link to the Council's rules, is available at <http://nhec.nh.gov/> (or more directly at <http://nhec.nh.gov/waste/index.htm>). Copies of the rules also are available from the NHDES Public Information Center at (603) 271-2975.

APPENDIX B

LABORATORY ANALYTICAL REPORTS



September 30, 2022

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

Project Location: Hillsborough, NH
Client Job Number:
Project Number: 0221074824
Laboratory Work Order Number: 2211067

Enclosed are results of analyses for samples as received by the laboratory on September 19, 2022. 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. 413/525-2332ATC Group Services LLC - NH
150 Zachary Road, Unit #1
Manchester, NH 03109
ATTN: Steven Low

REPORT DATE: 9/30/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 0221074824

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 2211067

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
MW-1R2	2211067-01	Ground Water		SW-846 8260D	
MW-2	2211067-02	Ground Water		SW-846 8260D	
MW-7R	2211067-03	Ground Water		SW-846 8260D	
MW-9	2211067-04	Ground Water		SW-846 8260D	
Trip Blank	2211067-05	Ground Water		SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

SW-846 8260D**Qualifications:**

L-02

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

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

B318068-BS1, B318068-BSD1

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**

B318068-BSD1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22I1067-01[MW-1R2]

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:**Chloromethane**

B318068-BLK1, B318068-BS1, B318068-BSD1, S077053-CCV1

Dichlorodifluoromethane (Freon 12)

B318068-BLK1, B318068-BS1, B318068-BSD1, S077053-CCV1

Methylene Chloride

B318068-BLK1, B318068-BS1, B318068-BSD1, S077053-CCV1

tert-Butyl Alcohol (TBA)

22I1067-01[MW-1R2], 22I1067-02[MW-2], 22I1067-03[MW-7R], 22I1067-04[MW-9], 22I1067-05[Trip Blank], B317871-BLK1, B317871-BS1, B317871-BSD1, S076976-CCV1

Trichlorofluoromethane (Freon 11)

B318068-BLK1, B318068-BS1, B318068-BSD1, S077053-CCV1

V-20

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

Analyte & Samples(s) Qualified:**2-Hexanone (MBK)**

B318068-BS1, B318068-BSD1, S077053-CCV1

Bromomethane

B317871-BS1, B317871-BSD1, S076976-CCV1

Carbon Disulfide

B318068-BS1, B318068-BSD1, S077053-CCV1

Methyl Acetate

B318068-BS1, B318068-BSD1, S077053-CCV1

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

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



Tod E. Kopycinski
Laboratory Director

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 2211067

Date Received: 9/19/2022

Field Sample #: MW-1R2

Sampled: 9/16/2022 10:55

Sample ID: 2211067-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Benzene	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Bromobenzene	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Bromochloromethane	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Bromodichloromethane	ND	1.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Bromoform	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Bromomethane	ND	4.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
2-Butanone (MEK)	ND	40	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
tert-Butyl Alcohol (TBA)	ND	40	µg/L	2	V-05	SW-846 8260D	9/22/22	9/23/22 19:03	MFF
n-Butylbenzene	25	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
sec-Butylbenzene	14	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Carbon Disulfide	ND	10	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Carbon Tetrachloride	ND	10	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Chlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Chloroethane	ND	4.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Chloromethane	ND	4.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
2-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
4-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Dibromomethane	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,4-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
trans-1,4-Dichloro-2-butene	ND	4.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,1-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
cis-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,3-Dichloropropane	ND	1.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
2,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,1-Dichloropropene	ND	4.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
cis-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
trans-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Diethyl Ether	ND	4.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Diisopropyl Ether (DIPE)	ND	1.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,4-Dioxane	ND	100	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 2211067

Date Received: 9/19/2022

Field Sample #: MW-1R2

Sampled: 9/16/2022 10:55

Sample ID: 2211067-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethylbenzene	310	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Hexachlorobutadiene	ND	1.2	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
2-Hexanone (MBK)	ND	20	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Isopropylbenzene (Cumene)	100	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
p-Isopropyltoluene (p-Cymene)	4.8	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Methyl Acetate	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Methylene Chloride	ND	10	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Naphthalene	170	4.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
n-Propylbenzene	290	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Styrene	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Tetrachloroethylene	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Tetrahydrofuran	ND	20	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Toluene	2.3	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,2,3-Trichlorobenzene	ND	10	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,3,5-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Trichloroethylene	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,2,3-Trichloropropane	ND	4.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
1,2,4-Trimethylbenzene	630	25	µg/L	25		SW-846 8260D	9/26/22	9/26/22 20:18	EEH
1,3,5-Trimethylbenzene	120	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
Vinyl Chloride	ND	4.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
m+p Xylene	150	4.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF
o-Xylene	18	2.0	µg/L	2		SW-846 8260D	9/22/22	9/23/22 19:03	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	97.0	70-130	9/23/22 19:03
1,2-Dichloroethane-d4	97.8	70-130	9/26/22 20:18
Toluene-d8	101	70-130	9/26/22 20:18
Toluene-d8	99.8	70-130	9/23/22 19:03
4-Bromofluorobenzene	99.3	70-130	9/23/22 19:03
4-Bromofluorobenzene	99.5	70-130	9/26/22 20:18

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 2211067

Date Received: 9/19/2022

Field Sample #: MW-2

Sampled: 9/16/2022 11:15

Sample ID: 2211067-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	9/22/22	9/23/22 13:26	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 2211067

Date Received: 9/19/2022

Sampled: 9/16/2022 11:15

Field Sample #: MW-2

Sample ID: 2211067-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Methyl tert-Butyl Ether (MTBE)	1.4	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	95.2	70-130	9/23/22 13:26
Toluene-d8	99.6	70-130	9/23/22 13:26
4-Bromofluorobenzene	100	70-130	9/23/22 13:26

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 2211067

Date Received: 9/19/2022

Field Sample #: MW-7R

Sampled: 9/16/2022 10:30

Sample ID: 2211067-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Benzene	5.3	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	9/22/22	9/23/22 18:39	MFF
n-Butylbenzene	28	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
sec-Butylbenzene	18	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
tert-Butylbenzene	1.3	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 2211067

Date Received: 9/19/2022

Field Sample #: MW-7R

Sampled: 9/16/2022 10:30

Sample ID: 2211067-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethylbenzene	290	25	µg/L	25		SW-846 8260D	9/26/22	9/26/22 20:45	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Isopropylbenzene (Cumene)	75	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
p-Isopropyltoluene (p-Cymene)	4.3	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Naphthalene	130	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
n-Propylbenzene	200	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Toluene	1.8	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
1,2,4-Trimethylbenzene	630	25	µg/L	25		SW-846 8260D	9/26/22	9/26/22 20:45	EEH
1,3,5-Trimethylbenzene	140	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
m+p Xylene	390	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF
o-Xylene	57	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 18:39	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.0	70-130	9/26/22 20:45
1,2-Dichloroethane-d4	94.9	70-130	9/23/22 18:39
Toluene-d8	99.8	70-130	9/26/22 20:45
Toluene-d8	99.9	70-130	9/23/22 18:39
4-Bromofluorobenzene	101	70-130	9/26/22 20:45
4-Bromofluorobenzene	101	70-130	9/23/22 18:39

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 2211067

Date Received: 9/19/2022

Field Sample #: MW-9

Sampled: 9/16/2022 10:00

Sample ID: 2211067-04

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 8260D	9/22/22	9/23/22 13:50	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	9/22/22	9/23/22 13:50	MFF
n-Butylbenzene	8.4	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
sec-Butylbenzene	22	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 2211067

Date Received: 9/19/2022

Field Sample #: MW-9

Sampled: 9/16/2022 10:00

Sample ID: 2211067-04

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	2.9	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Isopropylbenzene (Cumene)	6.8	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
n-Propylbenzene	5.5	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 13:50	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	95.4	70-130	9/23/22 13:50
Toluene-d8	99.3	70-130	9/23/22 13:50
4-Bromofluorobenzene	99.9	70-130	9/23/22 13:50

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 2211067

Date Received: 9/19/2022

Field Sample #: Trip Blank

Sampled: 9/16/2022 00:00

Sample ID: 2211067-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	9/22/22	9/23/22 11:26	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 2211067

Date Received: 9/19/2022

Field Sample #: Trip Blank

Sampled: 9/16/2022 00:00

Sample ID: 2211067-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	9/22/22	9/23/22 11:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	92.7	70-130	9/23/22 11:26
Toluene-d8	98.1	70-130	9/23/22 11:26
4-Bromofluorobenzene	99.8	70-130	9/23/22 11:26

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method: SW-846 5030B Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1067-01 [MW-1R2]	B317871	2.5	5.00	09/22/22
22I1067-02 [MW-2]	B317871	5	5.00	09/22/22
22I1067-03 [MW-7R]	B317871	5	5.00	09/22/22
22I1067-04 [MW-9]	B317871	5	5.00	09/22/22
22I1067-05 [Trip Blank]	B317871	5	5.00	09/22/22

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1067-01RE1 [MW-1R2]	B318068	0.2	5.00	09/26/22
22I1067-03RE1 [MW-7R]	B318068	0.2	5.00	09/26/22

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B317871 - SW-846 5030B
Blank (B317871-BLK1)

Prepared: 09/22/22 Analyzed: 09/23/22

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							V-05
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
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							

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B317871 - SW-846 5030B
Blank (B317871-BLK1)

Prepared: 09/22/22 Analyzed: 09/23/22

4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.4		µg/L	25.0		93.7	70-130			
Surrogate: Toluene-d8	25.6		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	24.5		µg/L	25.0		98.0	70-130			

LCS (B317871-BS1)

Prepared: 09/22/22 Analyzed: 09/23/22

Acetone	89.4	50	µg/L	100		89.4	70-160			†
tert-Amyl Methyl Ether (TAME)	11.0	0.50	µg/L	10.0		110	70-130			
Benzene	10.4	1.0	µg/L	10.0		104	70-130			
Bromobenzene	10.2	1.0	µg/L	10.0		102	70-130			
Bromochloromethane	10.8	1.0	µg/L	10.0		108	70-130			
Bromodichloromethane	10.1	0.50	µg/L	10.0		101	70-130			
Bromoform	9.15	1.0	µg/L	10.0		91.5	70-130			
Bromomethane	13.1	2.0	µg/L	10.0		131	40-160	V-20		†
2-Butanone (MEK)	97.9	20	µg/L	100		97.9	40-160			†
tert-Butyl Alcohol (TBA)	74.0	20	µg/L	100		74.0	40-160	V-05		†
n-Butylbenzene	11.2	1.0	µg/L	10.0		112	70-130			
sec-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
tert-Butylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130			
tert-Butyl Ethyl Ether (TBEE)	10.9	0.50	µg/L	10.0		109	70-130			
Carbon Disulfide	112	5.0	µg/L	100		112	70-130			
Carbon Tetrachloride	9.71	5.0	µg/L	10.0		97.1	70-130			
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
Chlorodibromomethane	9.51	0.50	µg/L	10.0		95.1	70-130			
Chloroethane	9.48	2.0	µg/L	10.0		94.8	70-130			
Chloromethane	10.2	2.0	µg/L	10.0		102	40-160			†
2-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130			
4-Chlorotoluene	10.1	1.0	µg/L	10.0		101	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.13	5.0	µg/L	10.0		81.3	70-130			
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0		100	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 B317871 - SW-846 5030B										
LCS (B317871-BS1)										
Prepared: 09/22/22 Analyzed: 09/23/22										
Dibromomethane	10.0	1.0	µg/L	10.0		100	70-130			
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
trans-1,4-Dichloro-2-butene	8.80	2.0	µg/L	10.0		88.0	70-130			
Dichlorodifluoromethane (Freon 12)	11.1	2.0	µg/L	10.0		111	40-160			†
1,1-Dichloroethane	9.96	1.0	µg/L	10.0		99.6	70-130			
1,2-Dichloroethane	9.52	1.0	µg/L	10.0		95.2	70-130			
1,1-Dichloroethylene	9.62	1.0	µg/L	10.0		96.2	70-130			
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
trans-1,2-Dichloroethylene	9.69	1.0	µg/L	10.0		96.9	70-130			
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130			
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102	70-130			
2,2-Dichloropropane	9.73	1.0	µg/L	10.0		97.3	40-130			†
1,1-Dichloropropene	10.4	2.0	µg/L	10.0		104	70-130			
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130			
trans-1,3-Dichloropropene	9.66	0.50	µg/L	10.0		96.6	70-130			
Diethyl Ether	10.9	2.0	µg/L	10.0		109	70-130			
Diisopropyl Ether (DIPE)	11.0	0.50	µg/L	10.0		110	70-130			
1,4-Dioxane	88.1	50	µg/L	100		88.1	40-130			†
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
Hexachlorobutadiene	10.6	0.60	µg/L	10.0		106	70-130			
2-Hexanone (MBK)	93.0	10	µg/L	100		93.0	70-160			†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130			
p-Isopropyltoluene (p-Cymene)	10.6	1.0	µg/L	10.0		106	70-130			
Methyl Acetate	9.55	1.0	µg/L	10.0		95.5	70-130			
Methyl tert-Butyl Ether (MTBE)	9.99	1.0	µg/L	10.0		99.9	70-130			
Methylene Chloride	9.60	5.0	µg/L	10.0		96.0	70-130			
4-Methyl-2-pentanone (MIBK)	91.9	10	µg/L	100		91.9	70-160			†
Naphthalene	8.66	2.0	µg/L	10.0		86.6	40-130			†
n-Propylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
Styrene	10.4	1.0	µg/L	10.0		104	70-130			
1,1,1,2-Tetrachloroethane	10.0	1.0	µg/L	10.0		100	70-130			
1,1,2,2-Tetrachloroethane	9.63	0.50	µg/L	10.0		96.3	70-130			
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
Tetrahydrofuran	9.24	10	µg/L	10.0		92.4	70-130			
Toluene	10.2	1.0	µg/L	10.0		102	70-130			
1,2,3-Trichlorobenzene	9.59	5.0	µg/L	10.0		95.9	70-130			
1,2,4-Trichlorobenzene	9.72	1.0	µg/L	10.0		97.2	70-130			
1,3,5-Trichlorobenzene	11.5	1.0	µg/L	10.0		115	70-130			
1,1,1-Trichloroethane	9.55	1.0	µg/L	10.0		95.5	70-130			
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
Trichlorofluoromethane (Freon 11)	9.59	2.0	µg/L	10.0		95.9	70-130			
1,2,3-Trichloropropane	8.57	2.0	µg/L	10.0		85.7	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1	1.0	µg/L	10.0		111	70-130			
1,2,4-Trimethylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,3,5-Trimethylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
Vinyl Chloride	11.0	2.0	µg/L	10.0		110	40-160			†
m+p Xylene	20.9	2.0	µg/L	20.0		105	70-130			
o-Xylene	10.2	1.0	µg/L	10.0		102	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 B317871 - SW-846 5030B										
LCS (B317871-BS1)										
Prepared: 09/22/22 Analyzed: 09/23/22										
Surrogate: 1,2-Dichloroethane-d4	24.1		µg/L	25.0		96.4	70-130			
Surrogate: Toluene-d8	25.5		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	25.5		µg/L	25.0		102	70-130			
LCS Dup (B317871-BSD1)										
Prepared: 09/22/22 Analyzed: 09/23/22										
Acetone	83.0	50	µg/L	100		83.0	70-160	7.47	25	†
tert-Amyl Methyl Ether (TAME)	10.6	0.50	µg/L	10.0		106	70-130	3.06	25	
Benzene	10.2	1.0	µg/L	10.0		102	70-130	1.75	25	
Bromobenzene	9.81	1.0	µg/L	10.0		98.1	70-130	3.90	25	
Bromochloromethane	10.8	1.0	µg/L	10.0		108	70-130	0.649	25	
Bromodichloromethane	9.84	0.50	µg/L	10.0		98.4	70-130	2.51	25	
Bromoform	8.52	1.0	µg/L	10.0		85.2	70-130	7.13	25	
Bromomethane	13.4	2.0	µg/L	10.0		134	40-160	1.96	25	V-20 †
2-Butanone (MEK)	91.5	20	µg/L	100		91.5	40-160	6.72	25	†
tert-Butyl Alcohol (TBA)	67.5	20	µg/L	100		67.5	40-160	9.29	25	V-05 †
n-Butylbenzene	10.7	1.0	µg/L	10.0		107	70-130	4.12	25	
sec-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130	1.18	25	
tert-Butylbenzene	9.90	1.0	µg/L	10.0		99.0	70-130	0.202	25	
tert-Butyl Ethyl Ether (TBEE)	10.8	0.50	µg/L	10.0		108	70-130	0.554	25	
Carbon Disulfide	113	5.0	µg/L	100		113	70-130	1.07	25	
Carbon Tetrachloride	9.58	5.0	µg/L	10.0		95.8	70-130	1.35	25	
Chlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	3.14	25	
Chlorodibromomethane	9.41	0.50	µg/L	10.0		94.1	70-130	1.06	25	
Chloroethane	9.55	2.0	µg/L	10.0		95.5	70-130	0.736	25	
Chloromethane	10.1	2.0	µg/L	10.0		101	40-160	0.590	25	†
2-Chlorotoluene	9.63	1.0	µg/L	10.0		96.3	70-130	5.26	25	
4-Chlorotoluene	9.84	1.0	µg/L	10.0		98.4	70-130	2.21	25	
1,2-Dibromo-3-chloropropane (DBCP)	7.42	5.0	µg/L	10.0		74.2	70-130	9.13	25	
1,2-Dibromoethane (EDB)	9.73	0.50	µg/L	10.0		97.3	70-130	3.24	25	
Dibromomethane	9.68	1.0	µg/L	10.0		96.8	70-130	3.35	25	
1,2-Dichlorobenzene	9.94	1.0	µg/L	10.0		99.4	70-130	4.23	25	
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	2.73	25	
1,4-Dichlorobenzene	9.79	1.0	µg/L	10.0		97.9	70-130	2.82	25	
trans-1,4-Dichloro-2-butene	8.18	2.0	µg/L	10.0		81.8	70-130	7.30	25	
Dichlorodifluoromethane (Freon 12)	11.3	2.0	µg/L	10.0		113	40-160	2.32	25	†
1,1-Dichloroethane	9.84	1.0	µg/L	10.0		98.4	70-130	1.21	25	
1,2-Dichloroethane	9.32	1.0	µg/L	10.0		93.2	70-130	2.12	25	
1,1-Dichloroethylene	9.72	1.0	µg/L	10.0		97.2	70-130	1.03	25	
cis-1,2-Dichloroethylene	9.94	1.0	µg/L	10.0		99.4	70-130	1.20	25	
trans-1,2-Dichloroethylene	9.56	1.0	µg/L	10.0		95.6	70-130	1.35	25	
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130	0.381	25	
1,3-Dichloropropane	9.93	0.50	µg/L	10.0		99.3	70-130	2.88	25	
2,2-Dichloropropane	9.90	1.0	µg/L	10.0		99.0	40-130	1.73	25	†
1,1-Dichloropropene	10.4	2.0	µg/L	10.0		104	70-130	0.576	25	
cis-1,3-Dichloropropene	10.0	0.50	µg/L	10.0		100	70-130	1.68	25	
trans-1,3-Dichloropropene	9.58	0.50	µg/L	10.0		95.8	70-130	0.832	25	
Diethyl Ether	10.7	2.0	µg/L	10.0		107	70-130	1.85	25	
Diisopropyl Ether (DIPE)	11.0	0.50	µg/L	10.0		110	70-130	0.455	25	
1,4-Dioxane	79.7	50	µg/L	100		79.7	40-130	10.0	50	† ‡
Ethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	2.12	25	
Hexachlorobutadiene	10.7	0.60	µg/L	10.0		107	70-130	0.753	25	
2-Hexanone (MBK)	83.9	10	µg/L	100		83.9	70-160	10.3	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 B317871 - SW-846 5030B
LCS Dup (B317871-BSD1)

Prepared: 09/22/22 Analyzed: 09/23/22

Isopropylbenzene (Cumene)	9.88	1.0	µg/L	10.0		98.8	70-130	3.48	25	
p-Isopropyltoluene (p-Cymene)	10.3	1.0	µg/L	10.0		103	70-130	2.49	25	
Methyl Acetate	8.96	1.0	µg/L	10.0		89.6	70-130	6.37	25	
Methyl tert-Butyl Ether (MTBE)	9.79	1.0	µg/L	10.0		97.9	70-130	2.02	25	
Methylene Chloride	9.82	5.0	µg/L	10.0		98.2	70-130	2.27	25	
4-Methyl-2-pentanone (MIBK)	85.1	10	µg/L	100		85.1	70-160	7.67	25	†
Naphthalene	7.78	2.0	µg/L	10.0		77.8	40-130	10.7	25	†
n-Propylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130	4.05	25	
Styrene	10.0	1.0	µg/L	10.0		100	70-130	3.53	25	
1,1,1,2-Tetrachloroethane	9.88	1.0	µg/L	10.0		98.8	70-130	1.51	25	
1,1,2,2-Tetrachloroethane	8.75	0.50	µg/L	10.0		87.5	70-130	9.58	25	
Tetrachloroethylene	10.2	1.0	µg/L	10.0		102	70-130	1.95	25	
Tetrahydrofuran	8.39	10	µg/L	10.0		83.9	70-130	9.64	25	
Toluene	10.0	1.0	µg/L	10.0		100	70-130	1.78	25	
1,2,3-Trichlorobenzene	8.97	5.0	µg/L	10.0		89.7	70-130	6.68	25	
1,2,4-Trichlorobenzene	9.27	1.0	µg/L	10.0		92.7	70-130	4.74	25	
1,3,5-Trichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130	2.90	25	
1,1,1-Trichloroethane	9.49	1.0	µg/L	10.0		94.9	70-130	0.630	25	
1,1,2-Trichloroethane	9.91	1.0	µg/L	10.0		99.1	70-130	3.67	25	
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	0.572	25	
Trichlorofluoromethane (Freon 11)	9.70	2.0	µg/L	10.0		97.0	70-130	1.14	25	
1,2,3-Trichloropropane	7.84	2.0	µg/L	10.0		78.4	70-130	8.90	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	1.0	µg/L	10.0		109	70-130	1.63	25	
1,2,4-Trimethylbenzene	10.0	1.0	µg/L	10.0		100	70-130	2.56	25	
1,3,5-Trimethylbenzene	9.94	1.0	µg/L	10.0		99.4	70-130	1.99	25	
Vinyl Chloride	11.1	2.0	µg/L	10.0		111	40-160	1.45	25	†
m+p Xylene	20.1	2.0	µg/L	20.0		101	70-130	3.80	25	
o-Xylene	9.83	1.0	µg/L	10.0		98.3	70-130	3.99	25	
Surrogate: 1,2-Dichloroethane-d4	24.1		µg/L	25.0		96.4	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		µg/L	25.0		99.8	70-130			

Batch B318068 - SW-846 5030B
Blank (B318068-BLK1)

Prepared & Analyzed: 09/26/22

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							
Chlorobenzene	ND	1.0	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
Batch B318068 - SW-846 5030B										
Blank (B318068-BLK1)				Prepared & Analyzed: 09/26/22						
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05
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							V-05
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							V-05
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							V-05
1,2,3-Trichloropropane	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
Batch B318068 - SW-846 5030B										
Blank (B318068-BLK1)				Prepared & Analyzed: 09/26/22						
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	24.9		µg/L	25.0		99.7	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	24.2		µg/L	25.0		96.6	70-130			
LCS (B318068-BS1)				Prepared & Analyzed: 09/26/22						
Acetone	75.5	50	µg/L	100		75.5	70-160			†
tert-Amyl Methyl Ether (TAME)	10.7	0.50	µg/L	10.0		107	70-130			
Benzene	9.49	1.0	µg/L	10.0		94.9	70-130			
Bromobenzene	10.5	1.0	µg/L	10.0		105	70-130			
Bromochloromethane	11.1	1.0	µg/L	10.0		111	70-130			
Bromodichloromethane	9.56	0.50	µg/L	10.0		95.6	70-130			
Bromoform	9.25	1.0	µg/L	10.0		92.5	70-130			
Bromomethane	8.88	2.0	µg/L	10.0		88.8	40-160			†
2-Butanone (MEK)	121	20	µg/L	100		121	40-160			†
tert-Butyl Alcohol (TBA)	77.6	20	µg/L	100		77.6	40-160			†
n-Butylbenzene	9.83	1.0	µg/L	10.0		98.3	70-130			
sec-Butylbenzene	9.51	1.0	µg/L	10.0		95.1	70-130			
tert-Butylbenzene	9.65	1.0	µg/L	10.0		96.5	70-130			
tert-Butyl Ethyl Ether (TBEE)	11.6	0.50	µg/L	10.0		116	70-130			
Carbon Disulfide	114	5.0	µg/L	100		114	70-130			V-20
Carbon Tetrachloride	9.39	5.0	µg/L	10.0		93.9	70-130			
Chlorobenzene	9.40	1.0	µg/L	10.0		94.0	70-130			
Chlorodibromomethane	9.22	0.50	µg/L	10.0		92.2	70-130			
Chloroethane	10.4	2.0	µg/L	10.0		104	70-130			
Chloromethane	8.37	2.0	µg/L	10.0		83.7	40-160			V-05 †
2-Chlorotoluene	9.00	1.0	µg/L	10.0		90.0	70-130			
4-Chlorotoluene	9.74	1.0	µg/L	10.0		97.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.50	5.0	µg/L	10.0		95.0	70-130			
1,2-Dibromoethane (EDB)	9.31	0.50	µg/L	10.0		93.1	70-130			
Dibromomethane	9.40	1.0	µg/L	10.0		94.0	70-130			
1,2-Dichlorobenzene	9.59	1.0	µg/L	10.0		95.9	70-130			
1,3-Dichlorobenzene	9.55	1.0	µg/L	10.0		95.5	70-130			
1,4-Dichlorobenzene	9.55	1.0	µg/L	10.0		95.5	70-130			
trans-1,4-Dichloro-2-butene	10.3	2.0	µg/L	10.0		103	70-130			
Dichlorodifluoromethane (Freon 12)	7.58	2.0	µg/L	10.0		75.8	40-160			V-05 †
1,1-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
1,2-Dichloroethane	9.51	1.0	µg/L	10.0		95.1	70-130			
1,1-Dichloroethylene	7.23	1.0	µg/L	10.0		72.3	70-130			
cis-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
trans-1,2-Dichloroethylene	12.4	1.0	µg/L	10.0		124	70-130			
1,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	70-130			
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102	70-130			
2,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	40-130			†
1,1-Dichloropropene	10.3	2.0	µg/L	10.0		103	70-130			
cis-1,3-Dichloropropene	9.98	0.50	µg/L	10.0		99.8	70-130			
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	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 B318068 - SW-846 5030B
LCS (B318068-BS1)

Prepared & Analyzed: 09/26/22

Diethyl Ether	8.38	2.0	µg/L	10.0		83.8	70-130			
Diisopropyl Ether (DIPE)	12.4	0.50	µg/L	10.0		124	70-130			
1,4-Dioxane	93.1	50	µg/L	100		93.1	40-130			†
Ethylbenzene	9.66	1.0	µg/L	10.0		96.6	70-130			
Hexachlorobutadiene	13.6	0.60	µg/L	10.0		136	* 70-130			L-02
2-Hexanone (MBK)	118	10	µg/L	100		118	70-160			V-20 †
Isopropylbenzene (Cumene)	9.50	1.0	µg/L	10.0		95.0	70-130			
p-Isopropyltoluene (p-Cymene)	9.57	1.0	µg/L	10.0		95.7	70-130			
Methyl Acetate	12.1	1.0	µg/L	10.0		121	70-130			V-20
Methyl tert-Butyl Ether (MTBE)	10.9	1.0	µg/L	10.0		109	70-130			
Methylene Chloride	7.21	5.0	µg/L	10.0		72.1	70-130			V-05
4-Methyl-2-pentanone (MIBK)	116	10	µg/L	100		116	70-160			†
Naphthalene	11.2	2.0	µg/L	10.0		112	40-130			†
n-Propylbenzene	9.62	1.0	µg/L	10.0		96.2	70-130			
Styrene	9.40	1.0	µg/L	10.0		94.0	70-130			
1,1,1,2-Tetrachloroethane	9.41	1.0	µg/L	10.0		94.1	70-130			
1,1,2,2-Tetrachloroethane	9.83	0.50	µg/L	10.0		98.3	70-130			
Tetrachloroethylene	9.69	1.0	µg/L	10.0		96.9	70-130			
Tetrahydrofuran	11.3	10	µg/L	10.0		113	70-130			
Toluene	9.47	1.0	µg/L	10.0		94.7	70-130			
1,2,3-Trichlorobenzene	12.3	5.0	µg/L	10.0		123	70-130			
1,2,4-Trichlorobenzene	12.3	1.0	µg/L	10.0		123	70-130			
1,3,5-Trichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
1,1,1-Trichloroethane	9.44	1.0	µg/L	10.0		94.4	70-130			
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
Trichloroethylene	9.81	1.0	µg/L	10.0		98.1	70-130			
Trichlorofluoromethane (Freon 11)	7.09	2.0	µg/L	10.0		70.9	70-130			V-05
1,2,3-Trichloropropane	9.75	2.0	µg/L	10.0		97.5	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.88	1.0	µg/L	10.0		98.8	70-130			
1,2,4-Trimethylbenzene	9.36	1.0	µg/L	10.0		93.6	70-130			
1,3,5-Trimethylbenzene	9.63	1.0	µg/L	10.0		96.3	70-130			
Vinyl Chloride	12.2	2.0	µg/L	10.0		122	40-160			†
m+p Xylene	19.3	2.0	µg/L	20.0		96.5	70-130			
o-Xylene	9.69	1.0	µg/L	10.0		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	25.4		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.8		µg/L	25.0		103	70-130			

LCS Dup (B318068-BS1)

Prepared & Analyzed: 09/26/22

Acetone	83.5	50	µg/L	100		83.5	70-160	10.0	25	†
tert-Amyl Methyl Ether (TAME)	10.6	0.50	µg/L	10.0		106	70-130	0.563	25	
Benzene	9.67	1.0	µg/L	10.0		96.7	70-130	1.88	25	
Bromobenzene	10.5	1.0	µg/L	10.0		105	70-130	0.286	25	
Bromochloromethane	11.2	1.0	µg/L	10.0		112	70-130	0.809	25	
Bromodichloromethane	9.77	0.50	µg/L	10.0		97.7	70-130	2.17	25	
Bromoform	9.60	1.0	µg/L	10.0		96.0	70-130	3.71	25	
Bromomethane	9.20	2.0	µg/L	10.0		92.0	40-160	3.54	25	†
2-Butanone (MEK)	116	20	µg/L	100		116	40-160	4.52	25	†
tert-Butyl Alcohol (TBA)	91.9	20	µg/L	100		91.9	40-160	16.9	25	†
n-Butylbenzene	10.0	1.0	µg/L	10.0		100	70-130	2.11	25	
sec-Butylbenzene	9.72	1.0	µg/L	10.0		97.2	70-130	2.18	25	
tert-Butylbenzene	9.90	1.0	µg/L	10.0		99.0	70-130	2.56	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 B318068 - SW-846 5030B										
LCS Dup (B318068-BSD1)				Prepared & Analyzed: 09/26/22						
tert-Butyl Ethyl Ether (TBEE)	11.6	0.50	µg/L	10.0		116	70-130	0.00	25	
Carbon Disulfide	119	5.0	µg/L	100		119	70-130	4.44	25	V-20
Carbon Tetrachloride	9.33	5.0	µg/L	10.0		93.3	70-130	0.641	25	
Chlorobenzene	9.52	1.0	µg/L	10.0		95.2	70-130	1.27	25	
Chlorodibromomethane	9.45	0.50	µg/L	10.0		94.5	70-130	2.46	25	
Chloroethane	10.0	2.0	µg/L	10.0		100	70-130	4.11	25	
Chloromethane	9.43	2.0	µg/L	10.0		94.3	40-160	11.9	25	V-05 †
2-Chlorotoluene	9.17	1.0	µg/L	10.0		91.7	70-130	1.87	25	
4-Chlorotoluene	9.68	1.0	µg/L	10.0		96.8	70-130	0.618	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.76	5.0	µg/L	10.0		97.6	70-130	2.70	25	
1,2-Dibromoethane (EDB)	9.56	0.50	µg/L	10.0		95.6	70-130	2.65	25	
Dibromomethane	9.64	1.0	µg/L	10.0		96.4	70-130	2.52	25	
1,2-Dichlorobenzene	9.79	1.0	µg/L	10.0		97.9	70-130	2.06	25	
1,3-Dichlorobenzene	9.78	1.0	µg/L	10.0		97.8	70-130	2.38	25	
1,4-Dichlorobenzene	9.39	1.0	µg/L	10.0		93.9	70-130	1.69	25	
trans-1,4-Dichloro-2-butene	10.5	2.0	µg/L	10.0		105	70-130	2.02	25	
Dichlorodifluoromethane (Freon 12)	7.81	2.0	µg/L	10.0		78.1	40-160	2.99	25	V-05 †
1,1-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130	0.482	25	
1,2-Dichloroethane	9.72	1.0	µg/L	10.0		97.2	70-130	2.18	25	
1,1-Dichloroethylene	8.08	1.0	µg/L	10.0		80.8	70-130	11.1	25	
cis-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	1.06	25	
trans-1,2-Dichloroethylene	12.7	1.0	µg/L	10.0		127	70-130	2.40	25	
1,2-Dichloropropane	10.9	1.0	µg/L	10.0		109	70-130	5.67	25	
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103	70-130	1.07	25	
2,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	40-130	1.15	25	†
1,1-Dichloropropene	10.5	2.0	µg/L	10.0		105	70-130	1.83	25	
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130	4.51	25	
trans-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130	5.42	25	
Diethyl Ether	9.52	2.0	µg/L	10.0		95.2	70-130	12.7	25	
Diisopropyl Ether (DIPE)	12.4	0.50	µg/L	10.0		124	70-130	0.00	25	
1,4-Dioxane	90.1	50	µg/L	100		90.1	40-130	3.30	50	† ‡
Ethylbenzene	9.84	1.0	µg/L	10.0		98.4	70-130	1.85	25	
Hexachlorobutadiene	14.4	0.60	µg/L	10.0		144 *	70-130	5.49	25	L-02
2-Hexanone (MBK)	123	10	µg/L	100		123	70-160	3.73	25	V-20 †
Isopropylbenzene (Cumene)	9.78	1.0	µg/L	10.0		97.8	70-130	2.90	25	
p-Isopropyltoluene (p-Cymene)	9.74	1.0	µg/L	10.0		97.4	70-130	1.76	25	
Methyl Acetate	12.8	1.0	µg/L	10.0		128	70-130	6.26	25	V-20
Methyl tert-Butyl Ether (MTBE)	11.0	1.0	µg/L	10.0		110	70-130	1.00	25	
Methylene Chloride	7.84	5.0	µg/L	10.0		78.4	70-130	8.37	25	V-05
4-Methyl-2-pentanone (MIBK)	119	10	µg/L	100		119	70-160	2.61	25	†
Naphthalene	11.8	2.0	µg/L	10.0		118	40-130	5.74	25	†
n-Propylbenzene	9.69	1.0	µg/L	10.0		96.9	70-130	0.725	25	
Styrene	9.72	1.0	µg/L	10.0		97.2	70-130	3.35	25	
1,1,1,2-Tetrachloroethane	9.48	1.0	µg/L	10.0		94.8	70-130	0.741	25	
1,1,2,2-Tetrachloroethane	9.73	0.50	µg/L	10.0		97.3	70-130	1.02	25	
Tetrachloroethylene	10.0	1.0	µg/L	10.0		100	70-130	3.15	25	
Tetrahydrofuran	11.5	10	µg/L	10.0		115	70-130	1.49	25	
Toluene	9.70	1.0	µg/L	10.0		97.0	70-130	2.40	25	
1,2,3-Trichlorobenzene	13.4	5.0	µg/L	10.0		134 *	70-130	8.78	25	L-07
1,2,4-Trichlorobenzene	12.5	1.0	µg/L	10.0		125	70-130	1.94	25	
1,3,5-Trichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130	5.68	25	
1,1,1-Trichloroethane	9.75	1.0	µg/L	10.0		97.5	70-130	3.23	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 B318068 - SW-846 5030B										
LCS Dup (B318068-BSD1)										
Prepared & Analyzed: 09/26/22										
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	2.84	25	
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	4.19	25	
Trichlorofluoromethane (Freon 11)	7.44	2.0	µg/L	10.0		74.4	70-130	4.82	25	V-05
1,2,3-Trichloropropane	9.90	2.0	µg/L	10.0		99.0	70-130	1.53	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6	1.0	µg/L	10.0		106	70-130	6.56	25	
1,2,4-Trimethylbenzene	9.54	1.0	µg/L	10.0		95.4	70-130	1.90	25	
1,3,5-Trimethylbenzene	9.72	1.0	µg/L	10.0		97.2	70-130	0.930	25	
Vinyl Chloride	12.4	2.0	µg/L	10.0		124	40-160	1.54	25	†
m+p Xylene	19.7	2.0	µg/L	20.0		98.4	70-130	1.95	25	
o-Xylene	9.88	1.0	µg/L	10.0		98.8	70-130	1.94	25	
Surrogate: 1,2-Dichloroethane-d4	25.2		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.5		µg/L	25.0		102	70-130			

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

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
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.
RL-11	Elevated reporting limit due to high concentration of target compounds.
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.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	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

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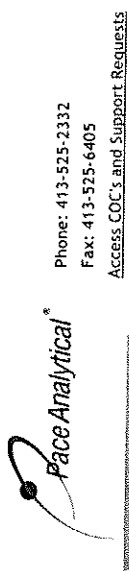
CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
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
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME
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

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2023
NC-DW	North Carolina Department of Health and Human Services	25703	07/31/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	06/30/2023



Phone: 413-525-2332
Fax: 413-525-6405

Access COCs and Support Requests

Address: 1502 Academy Rd Manchester NH

Phone: 603-647-7077

Project Name: Mr. Miks

Project Location: Hillsborough, NH

Project Number: 0221074849

Project Manager: Steve Low

Pace Quote Name/Number:

Invoice Recipient: Atlas

Sampled By: Owen Castor

<http://www.pacelabs.com>

39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 5_07/13/2021

ANALYSIS REQUESTED

Page 1 of 1

Preservation Code

Courier Use Only

Total Number Of

VIALS

GLASS

PLASTIC

BACTERIA

ENCORE

Glassware in the fridge?

Glassware in freezer? Y/N

Prepackaged Cooler? Y/N

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

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

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

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

NEIAC and AIHA-LAP, LLC Accredited

Other

Chromatogram

AIHA-LAP, LLC

MA MCP Required

MCP Certification Form Required

CT RCP Required

RCP Certification Form Required

MA State DW Required

PWSID #

Project Entity

Government

Federal

City

Municipality

21 J

Brownfield

MWRA

School

MBTA

WRTA

Other

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www.pacelabs.com

Pace PEOPLE ADVANCING SCIENCE
Doc# 277 Rev 6 July 2022

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 ATC
Received By CU Date 9/19/22 Time 1545

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

Direct From Sample _____ Ambient _____ Melted Ice _____

Were samples within Temperature? Within T 2-6°C By Gun # 2 Actual Temp - 2.6
By Blank # _____ Actual Temp - _____

Was Custody Seal In tact? MA Were Samples Tampered with? MA
Was COC Relinquished? T Does Chain Agree With Samples? T

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

Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client? T Analysis? T Sampler Name? T
pertinent Information? 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? _____

Samples are received within holding time? T Is there enough Volume? T
Is there Headspace where applicable? T MS/MSD? F
Proper Media/Containers Used? T splitting samples require F
Were trip blanks receive T On COC? T
Do All Samples Have the proper pH? MA Acid _____ Base _____

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-	<u>10</u>	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	

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: