

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

**September 2021 Groundwater Data Submittal
Former Mr. Mike's Mobil
22 Henniker Street
Hillsborough, NH**

**NHDES Site #: 198904015
Project Type: LUST
Project Number: 1127**

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

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

Date of Report: October 2021

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):
- ☒ Data Submittal (month and year per Condition #7 of Permit): September 2021
-

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
603 647-7077 | www.oneatlas.com

November 3, 2021

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: September 2021 Groundwater Sampling Data Submittal
Hillsborough – Former Mr. Mike’s Mobil
22 Henniker Street
DES #198904015
ATC Project No. 0221074820

Dear Sir or Madam:

On behalf of Alliance Energy LLC (Alliance), Atlas Technical (Atlas), [formerly ATC Group Services LLC] has prepared this Groundwater Sampling Data Submittal for groundwater monitoring recently completed at the above referenced location (the “Site”, see Figure 1). Groundwater sampling activities were conducted on September 21, 2021 in general accordance with the requirements of New Hampshire Department of Environmental Services (NHDES) Groundwater Management Permit (GMP), No. GWP-198904015-H-003, issued on January 5, 2015, and expired on January 4, 2020; and NHDES email correspondence September 16, 2021 (Appendix A). A GMP Renewal was issued on October 14, 2021, after the September 22, 2021 sampling event had occurred.

On September 21 2021, Atlas collected groundwater samples from monitoring wells MW-1R2, MW-2, MW-7R, and MW-9. Prior to groundwater sample collection, all monitoring wells were gauged for the depth to groundwater. A minimum of three static well volumes of groundwater were purged from monitoring wells MW-1R2, MW-2, MW-7R, and MW-9 using dedicated polyethylene bailers. Groundwater samples were collected for the NHDES *Full List of Volatile Organics* and were placed in 40-milliliter (mL) glass vials preserved with hydrochloric acid (HCl). The samples were stored in a cooler containing ice and were submitted to Con-Test Analytical Laboratory (Con-Test) of East Longmeadow, Massachusetts under chain of custody protocol. The samples were submitted volatile organic compound (VOC) analysis via EPA Method 8260. The laboratory analytical report is included as Appendix B.

Groundwater Elevation and Flow Direction

The depth to groundwater was measured from the top of the PVC well casing to calculate overburden groundwater elevations and determine the inferred groundwater flow direction. On September 21, 2021, the depth to groundwater ranged from 3.75 feet (MW-5) to 7.4 feet (MW-9). Table 1 includes current and historical groundwater elevation data obtained to date for the Site. Figure 2 illustrates the September 21, 2021 groundwater elevation contours and direction of groundwater flow beneath the Site. Groundwater flow has a southeasterly flow direction, which is consistent with prior gauging data.

Groundwater Analytical Results

Table 2 summarizes the laboratory analytical results for the groundwater samples collected from the Site on September 21, 2021 along with prior data. The groundwater quality data were compared to the Ambient Groundwater Quality Standards (AGQS) listed in Env-Or 600, *Contaminated Site Management*.

The following narrative summarizes the September 2021 groundwater quality data for the Site.

- Benzene was detected at concentrations above applicable AGQS in the groundwater samples collected from monitoring well MW-7R as summarized in Table 2A below. Additional VOCs were detected in the groundwater samples at concentrations below applicable AGQS.
- Several VOCs were detected in the groundwater sample collected from MW-1R2, but at concentrations below their respective AGQS.
- No VOCs were detected above the laboratory reportable detection limits (RDLs) in the groundwater samples collected from monitoring wells MW-2 and MW-9.

TABLE 2A
VOC Concentrations Exceeding AGQS
September 21, 2021

Monitoring Well	VOC	AGQS (ug/L)	Concentration (ug/L)
MW-7R	Benzene	5	8.9

NOTE: ug/L = Micrograms per liter

Recommendations

Atlas recommends continued annual groundwater sampling of monitoring wells MW-1R2, MW-2, MW-7R, and MW-9. The next groundwater sampling round is scheduled for September 2022.

Page 3

Should you have any questions or comments regarding this information, please do not hesitate to contact the undersigned at the Manchester, New Hampshire office of Atlas.

Sincerely,
Atlas Technical



Owen Castor
Environmental Scientist



Steven P. Low, P.G.
Branch Manager

Cc: Mr. Richard Browne, Alliance Energy LLC

Attachments

Figure 1: Site Locus
Figure 2: Groundwater Elevation/Contour Map- 9/21/2021

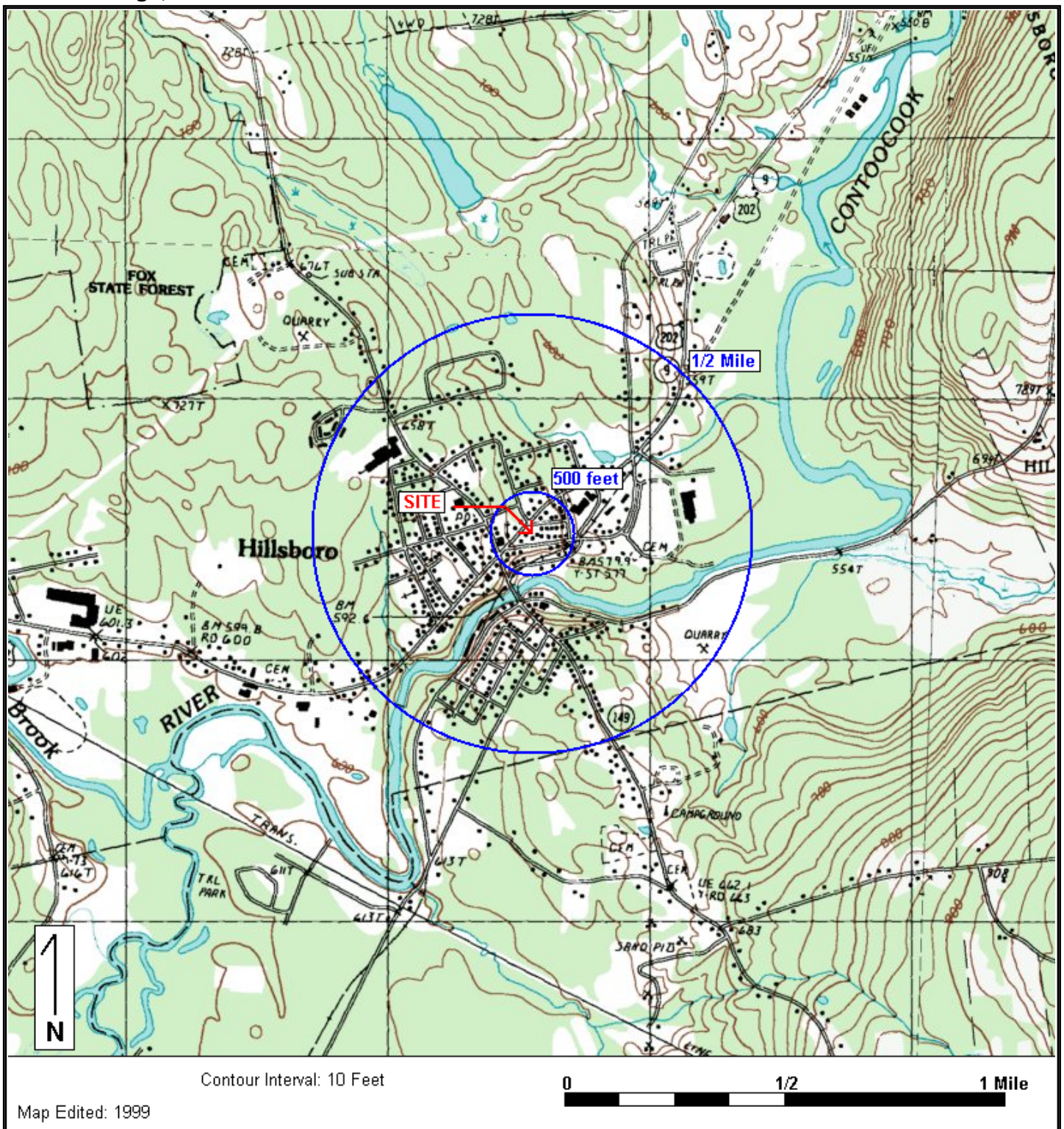
Table 1: Groundwater Elevation Data
Table 2: Groundwater Quality Data
Table 2A: VOC Concentrations Exceeding AGQS 9/21/2021 (in text)

Appendix A: Groundwater Management Permit and email 9/16/2021
Appendix B: Con-Test Analytical Laboratory Report

FIGURES

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

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 bloc)	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
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
	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
MW-3	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
	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
MW-4	01/04/01	99.12	7.30	91.82
	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
MW-4R	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
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
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
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 btoe)	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
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

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

btoe = below top of PVC well casing

**- = Elevation not calculated

QA/QC REVIEW:
LAST UPDATED
BY: MB
DATE: 10/18/21
LAST CHECKED
BY: OC
DATE: 10/22/21

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	13.1	<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	23.4	<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	7.8	<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	10	<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	9.6	<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	12	<2.0	<2.0	67	7.3	87	<2.0	<1.0	<40	<100	<10	NA	<20
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	NR	NR	NR	-	NR	NR	NR	<5.0	<2.0	<2.0	NA	NA	NA	NA	ND	NA
	08/11/03	<1.0	<2.0	<2.0	<2.0	<2.0	NR	NR	NR	-	NR	NR	NR	<5.0	<10.0	<2.0	<50.0	<10.0	<2.0	<2.0	ND	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									

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	300	68	55	<10	<5.0	<200	<500	<40	<20	<100	NA
	09/04/15	<5.0	370	<5.0	1170	62	170	14	11	<5.0	<5.0	590	1									

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
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: 10/19/2021
LAST CHECKED
BY: OC
DATE: 10/29/21

APPENDIX A

GROUNDWATER MANAGEMENT PERMIT



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.

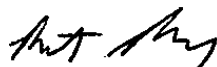
8. Issuance of this permit is based on the Application for Renewal of Groundwater Management Permit dated February 17, 2020 and the historical documents found in NHDES file DES #198904015. NHDES may require additional hydrogeologic studies and/or remedial measures if invalid or inaccurate data are submitted.
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.

Monica Blair

From: Fulton, Andrew <Andrew.C.Fulton@des.nh.gov>
Sent: Thursday, September 16, 2021 9:53 AM
To: Monica Blair
Subject: [EXTERNAL] RE: 198904015 - Mr. Mike's Mobil, Hillsborough - Sept 2021 GW Event

[External Email] This email originated from outside of the Atlas mail system. Please use caution when opening attachments.

Hi Monica,
That's how it is often done. Thanks for taking care of the monitoring and please do use the pre-existing and already approved budget.
Regards,
Andy

From: Monica Blair <Monica.Blair@oneatlas.com>
Sent: Wednesday, September 15, 2021 4:24 PM
To: Fulton, Andrew <Andrew.C.Fulton@des.nh.gov>
Cc: Monica Blair <Monica.Blair@oneatlas.com>
Subject: 198904015 - Mr. Mike's Mobil, Hillsborough - Sept 2021 GW Event

EXTERNAL: Do not open attachments or click on links unless you recognize and trust the sender.

Hi Andy,

As the GMP Renewal is still with NHDES for review, should we plan on re-using the WSA dated 03-19-15 for the Sept GS sampling event for the above referenced site?

Monica Blair
ADMINISTRATIVE ASSISTANT



150 Zachary Road | Manchester, NH 03109
Office +1 603 647 7077 | Cell +1 603 738 5170
OneAtlas.com | [LinkedIn](#) | [Facebook](#) | [Twitter](#)



ENR #13 Top Construction Management Firm
ENR #8 Top Environmental Management Firm
ENR #44 Top Program Management Firm

APPENDIX B

LABORATORY ANALYTICAL REPORT

September 24, 2021

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

Project Location: Hillsborough, NH
Client Job Number:
Project Number: 02210748
Laboratory Work Order Number: 21I1152

Enclosed are results of analyses for samples received by the laboratory on September 22, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kaitlyn A. Feliciano
Project Manager

Table of Contents

Sample Summary	3
Case Narrative	4
Sample Results	6
21I1152-01	6
21I1152-02	8
21I1152-03	10
21I1152-04	12
21I1152-05	14
Sample Preparation Information	16
QC Data	17
Volatile Organic Compounds by GC/MS	17
B290833	17
Flag/Qualifier Summary	22
Certifications	23
Chain of Custody/Sample Receipt	25

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

REPORT DATE: 9/24/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 02210748

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 2111152

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	2111152-01	Ground Water		SW-846 8260C-D	
MW-2	2111152-02	Ground Water		SW-846 8260C-D	
MW-7R	2111152-03	Ground Water		SW-846 8260C-D	
MW-9	2111152-04	Ground Water		SW-846 8260C-D	
Trip Blank	2111152-05	Ground Water		SW-846 8260C-D	

CASE NARRATIVE SUMMARY

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

SW-846 8260C-D**Qualifications:****RL-11**

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

2111152-01[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**

2111152-01[MW-1R2], 2111152-02[MW-2], 2111152-03[MW-7R], 2111152-04[MW-9], 2111152-05[Trip Blank], B290833-BLK1, B290833-BS1, B290833-BSD1, S063587-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:**1,1,1,2-Tetrachloroethane**

B290833-BS1, B290833-BSD1, S063587-CCV1

1,2,3-Trichloropropane

B290833-BS1, B290833-BSD1, S063587-CCV1

1,4-Dioxane

B290833-BS1, B290833-BSD1, S063587-CCV1

Bromochloromethane

B290833-BS1, B290833-BSD1, S063587-CCV1

Bromomethane

B290833-BS1, B290833-BSD1, S063587-CCV1

Methyl Acetate

S063587-CCV1

Tetrachloroethylene

B290833-BS1, B290833-BSD1, S063587-CCV1

V-34

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

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

2111152-01[MW-1R2], 2111152-02[MW-2], 2111152-03[MW-7R], 2111152-04[MW-9], 2111152-05[Trip Blank], B290833-BLK1, B290833-BS1, B290833-BSD1, S063587-CCV1

Chloromethane

2111152-01[MW-1R2], 2111152-02[MW-2], 2111152-03[MW-7R], 2111152-04[MW-9], 2111152-05[Trip Blank], B290833-BLK1, B290833-BS1, B290833-BSD1, S063587-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.



Lisa A. Worthington
Technical Representative

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 2111152

Date Received: 9/22/2021

Field Sample #: MW-1R2

Sampled: 9/21/2021 11:00

Sample ID: 2111152-01

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 8260C-D	9/23/21	9/23/21 20:18	LBD
tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Benzene	3.9	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Bromobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Bromochloromethane	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Bromodichloromethane	ND	1.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Bromoform	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Bromomethane	ND	10	µg/L	2	V-34	SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
2-Butanone (MEK)	ND	40	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
tert-Butyl Alcohol (TBA)	ND	40	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
n-Butylbenzene	19	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
sec-Butylbenzene	12	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Carbon Disulfide	ND	10	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Carbon Tetrachloride	ND	10	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Chlorobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Chloroethane	ND	4.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Chloromethane	ND	4.0	µg/L	2	V-05, V-34	SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
2-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
4-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Dibromomethane	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
cis-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,3-Dichloropropane	ND	1.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
2,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,1-Dichloropropene	ND	4.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Diethyl Ether	ND	4.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Diisopropyl Ether (DIPE)	ND	1.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,4-Dioxane	ND	100	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Ethylbenzene	160	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Hexachlorobutadiene	ND	1.2	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
2-Hexanone (MBK)	ND	20	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Isopropylbenzene (Cumene)	56	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 2111152

Date Received: 9/22/2021

Field Sample #: MW-1R2

Sampled: 9/21/2021 11:00

Sample ID: 2111152-01

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
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Methylene Chloride	ND	10	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Naphthalene	87	4.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
n-Propylbenzene	170	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Styrene	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Tetrachloroethylene	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Tetrahydrofuran	ND	20	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Toluene	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,2,3-Trichlorobenzene	ND	10	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,3,5-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Trichloroethylene	ND	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,2,3-Trichloropropane	ND	4.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,2,4-Trimethylbenzene	67	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
1,3,5-Trimethylbenzene	7.3	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Vinyl Chloride	ND	4.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
m+p Xylene	59	4.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
o-Xylene	3.9	2.0	µg/L	2		SW-846 8260C-D	9/23/21	9/23/21 20:18	LBD
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	75.8	70-130							
Toluene-d8	93.9	70-130							
4-Bromofluorobenzene	104	70-130							

Project Location: Hillsborough, NH

Sample Description:

Work Order: 2111152

Date Received: 9/22/2021

Field Sample #: MW-2

Sampled: 9/21/2021 11:20

Sample ID: 2111152-02

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 8260C-D	9/23/21	9/23/21 19:00	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Chloromethane	ND	2.0	µg/L	1	V-05, V-34	SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:00	LBD
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		73.5	70-130				9/23/21 19:00		
Toluene-d8		96.4	70-130				9/23/21 19:00		
4-Bromofluorobenzene		101	70-130				9/23/21 19:00		

Project Location: Hillsborough, NH

Sample Description:

Work Order: 2111152

Date Received: 9/22/2021

Field Sample #: MW-7R

Sampled: 9/21/2021 10:30

Sample ID: 2111152-03

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 8260C-D	9/23/21	9/23/21 19:52	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Benzene	8.9	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
n-Butylbenzene	11	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
sec-Butylbenzene	13	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
tert-Butylbenzene	1.0	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Chloromethane	ND	2.0	µg/L	1	V-05, V-34	SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Ethylbenzene	78	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Isopropylbenzene (Cumene)	37	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 2111152

Date Received: 9/22/2021

Field Sample #: MW-7R

Sampled: 9/21/2021 10:30

Sample ID: 2111152-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
p-Isopropyltoluene (p-Cymene)	1.9	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Naphthalene	17	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
n-Propylbenzene	70	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,2,4-Trimethylbenzene	1.1	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
m+p Xylene	7.8	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD
o-Xylene	2.6	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:52	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	75.7	70-130	9/23/21 19:52
Toluene-d8	95.9	70-130	9/23/21 19:52
4-Bromofluorobenzene	104	70-130	9/23/21 19:52

Project Location: Hillsborough, NH

Sample Description:

Work Order: 2111152

Date Received: 9/22/2021

Field Sample #: MW-9

Sampled: 9/21/2021 10:10

Sample ID: 2111152-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Chloromethane	ND	2.0	µg/L	1	V-05, V-34	SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 2111152

Date Received: 9/22/2021

Field Sample #: MW-9

Sampled: 9/21/2021 10:10

Sample ID: 2111152-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 19:26	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	75.0	70-130	9/23/21 19:26
Toluene-d8	95.0	70-130	9/23/21 19:26
4-Bromofluorobenzene	102	70-130	9/23/21 19:26

Project Location: Hillsborough, NH

Sample Description:

Work Order: 2111152

Date Received: 9/22/2021

Field Sample #: Trip Blank

Sampled: 9/21/2021 00:00

Sample ID: 2111152-05

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 8260C-D	9/23/21	9/23/21 11:35	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Chloromethane	ND	2.0	µg/L	1	V-05, V-34	SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD

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

Project Location: Hillsborough, NH

Sample Description:

Work Order: 2111152

Date Received: 9/22/2021

Field Sample #: Trip Blank

Sampled: 9/21/2021 00:00

Sample ID: 2111152-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 11:35	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	77.0	70-130	9/23/21 11:35
Toluene-d8	96.0	70-130	9/23/21 11:35
4-Bromofluorobenzene	101	70-130	9/23/21 11:35

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
2111152-01 [MW-1R2]	B290833	2.5	5.00	09/23/21
2111152-02 [MW-2]	B290833	5	5.00	09/23/21
2111152-03 [MW-7R]	B290833	5	5.00	09/23/21
2111152-04 [MW-9]	B290833	5	5.00	09/23/21
2111152-05 [Trip Blank]	B290833	5	5.00	09/23/21

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 B290833 - SW-846 5030B
Blank (B290833-BLK1)

Prepared & Analyzed: 09/23/21

Acetone	ND	50	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							V-34
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05, V-34
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	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							
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							
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 tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							

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 B290833 - SW-846 5030B										
Blank (B290833-BLK1)										
Prepared & Analyzed: 09/23/21										
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							
1,2,4-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	19.1		µg/L	25.0		76.5	70-130			
Surrogate: Toluene-d8	23.8		µg/L	25.0		95.4	70-130			
Surrogate: 4-Bromofluorobenzene	25.5		µg/L	25.0		102	70-130			
LCS (B290833-BS1)										
Prepared & Analyzed: 09/23/21										
Acetone	91.5	50	µg/L	100		91.5	70-160			†
tert-Amyl Methyl Ether (TAME)	9.10	0.50	µg/L	10.0		91.0	70-130			
Benzene	9.77	1.0	µg/L	10.0		97.7	70-130			
Bromobenzene	10.8	1.0	µg/L	10.0		108	70-130			
Bromochloromethane	12.1	1.0	µg/L	10.0		121	70-130			V-20
Bromodichloromethane	9.64	0.50	µg/L	10.0		96.4	70-130			
Bromoform	10.8	1.0	µg/L	10.0		108	70-130			
Bromomethane	14.1	2.0	µg/L	10.0		141	40-160		V-20, V-34	†
2-Butanone (MEK)	97.7	20	µg/L	100		97.7	40-160			†
tert-Butyl Alcohol (TBA)	96.7	20	µg/L	100		96.7	40-160			†
n-Butylbenzene	8.53	1.0	µg/L	10.0		85.3	70-130			
sec-Butylbenzene	9.06	1.0	µg/L	10.0		90.6	70-130			
tert-Butylbenzene	9.74	1.0	µg/L	10.0		97.4	70-130			
tert-Butyl Ethyl Ether (TBEE)	9.49	0.50	µg/L	10.0		94.9	70-130			
Carbon Disulfide	85.6	5.0	µg/L	100		85.6	70-130			
Carbon Tetrachloride	9.89	5.0	µg/L	10.0		98.9	70-130			
Chlorobenzene	11.1	1.0	µg/L	10.0		111	70-130			
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108	70-130			
Chloroethane	9.54	2.0	µg/L	10.0		95.4	70-130			
Chloromethane	4.37	2.0	µg/L	10.0		43.7	40-160		V-05, V-34	†
2-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130			
4-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130			
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109	70-130			
Dibromomethane	11.0	1.0	µg/L	10.0		110	70-130			
1,2-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130			
1,3-Dichlorobenzene	9.94	1.0	µg/L	10.0		99.4	70-130			
1,4-Dichlorobenzene	9.90	1.0	µg/L	10.0		99.0	70-130			
Dichlorodifluoromethane (Freon 12)	9.52	2.0	µg/L	10.0		95.2	40-160			†
1,1-Dichloroethane	9.98	1.0	µg/L	10.0		99.8	70-130			
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130			

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 B290833 - SW-846 5030B										
LCS (B290833-BS1)				Prepared & Analyzed: 09/23/21						
1,1-Dichloroethylene	9.76	1.0	µg/L	10.0		97.6	70-130			
cis-1,2-Dichloroethylene	9.81	1.0	µg/L	10.0		98.1	70-130			
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
1,2-Dichloropropane	11.2	1.0	µg/L	10.0		112	70-130			
1,3-Dichloropropane	10.7	0.50	µg/L	10.0		107	70-130			
2,2-Dichloropropane	9.51	1.0	µg/L	10.0		95.1	40-130			†
1,1-Dichloropropene	9.83	2.0	µg/L	10.0		98.3	70-130			
Diethyl Ether	9.56	2.0	µg/L	10.0		95.6	70-130			
Diisopropyl Ether (DIPE)	9.85	0.50	µg/L	10.0		98.5	70-130			
1,4-Dioxane	119	50	µg/L	100		119	40-130			V-20 †
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
Hexachlorobutadiene	9.12	0.60	µg/L	10.0		91.2	70-130			
2-Hexanone (MBK)	106	10	µg/L	100		106	70-160			†
Isopropylbenzene (Cumene)	10.9	1.0	µg/L	10.0		109	70-130			
p-Isopropyltoluene (p-Cymene)	9.82	1.0	µg/L	10.0		98.2	70-130			
Methyl tert-Butyl Ether (MTBE)	9.12	1.0	µg/L	10.0		91.2	70-130			
Methylene Chloride	9.38	5.0	µg/L	10.0		93.8	70-130			
4-Methyl-2-pentanone (MIBK)	110	10	µg/L	100		110	70-160			†
Naphthalene	8.36	2.0	µg/L	10.0		83.6	40-130			†
n-Propylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
Styrene	11.4	1.0	µg/L	10.0		114	70-130			
1,1,1,2-Tetrachloroethane	12.1	1.0	µg/L	10.0		121	70-130			V-20
1,1,2,2-Tetrachloroethane	11.2	0.50	µg/L	10.0		112	70-130			
Tetrachloroethylene	12.5	1.0	µg/L	10.0		125	70-130			V-20
Tetrahydrofuran	9.90	10	µg/L	10.0		99.0	70-130			
Toluene	10.3	1.0	µg/L	10.0		103	70-130			
1,2,3-Trichlorobenzene	8.79	5.0	µg/L	10.0		87.9	70-130			
1,2,4-Trichlorobenzene	9.64	1.0	µg/L	10.0		96.4	70-130			
1,3,5-Trichlorobenzene	9.94	1.0	µg/L	10.0		99.4	70-130			
1,1,1-Trichloroethane	9.44	1.0	µg/L	10.0		94.4	70-130			
1,1,2-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130			
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
Trichlorofluoromethane (Freon 11)	8.84	2.0	µg/L	10.0		88.4	70-130			
1,2,3-Trichloropropane	13.0	2.0	µg/L	10.0		130	70-130			V-20
1,2,4-Trimethylbenzene	9.51	1.0	µg/L	10.0		95.1	70-130			
1,3,5-Trimethylbenzene	11.2	1.0	µg/L	10.0		112	70-130			
Vinyl Chloride	10.0	2.0	µg/L	10.0		100	40-160			†
m+p Xylene	21.1	2.0	µg/L	20.0		105	70-130			
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	18.9		µg/L	25.0		75.6	70-130			
Surrogate: Toluene-d8	24.2		µg/L	25.0		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	25.7		µg/L	25.0		103	70-130			

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 B290833 - SW-846 5030B
LCS Dup (B290833-BSD1)

Prepared & Analyzed: 09/23/21

Acetone	92.1	50	µg/L	100		92.1	70-160	0.632	25	†
tert-Amyl Methyl Ether (TAME)	9.02	0.50	µg/L	10.0		90.2	70-130	0.883	25	
Benzene	9.61	1.0	µg/L	10.0		96.1	70-130	1.65	25	
Bromobenzene	10.8	1.0	µg/L	10.0		108	70-130	0.278	25	
Bromochloromethane	11.7	1.0	µg/L	10.0		117	70-130	3.28	25	V-20
Bromodichloromethane	9.69	0.50	µg/L	10.0		96.9	70-130	0.517	25	
Bromoform	10.8	1.0	µg/L	10.0		108	70-130	0.464	25	
Bromomethane	14.1	2.0	µg/L	10.0		141	40-160	0.0711	25	V-20, V-34 †
2-Butanone (MEK)	96.7	20	µg/L	100		96.7	40-160	0.957	25	†
tert-Butyl Alcohol (TBA)	94.8	20	µg/L	100		94.8	40-160	1.99	25	†
n-Butylbenzene	8.24	1.0	µg/L	10.0		82.4	70-130	3.46	25	
sec-Butylbenzene	8.69	1.0	µg/L	10.0		86.9	70-130	4.17	25	
tert-Butylbenzene	9.54	1.0	µg/L	10.0		95.4	70-130	2.07	25	
tert-Butyl Ethyl Ether (TBEE)	9.39	0.50	µg/L	10.0		93.9	70-130	1.06	25	
Carbon Disulfide	84.1	5.0	µg/L	100		84.1	70-130	1.74	25	
Carbon Tetrachloride	9.74	5.0	µg/L	10.0		97.4	70-130	1.53	25	
Chlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	2.46	25	
Chlorodibromomethane	10.9	0.50	µg/L	10.0		109	70-130	1.48	25	
Chloroethane	9.37	2.0	µg/L	10.0		93.7	70-130	1.80	25	
Chloromethane	4.52	2.0	µg/L	10.0		45.2	40-160	3.37	25	V-05, V-34 †
2-Chlorotoluene	9.99	1.0	µg/L	10.0		99.9	70-130	3.73	25	
4-Chlorotoluene	10.0	1.0	µg/L	10.0		100	70-130	1.97	25	
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109	70-130	0.0916	25	
Dibromomethane	11.0	1.0	µg/L	10.0		110	70-130	0.909	25	
1,2-Dichlorobenzene	9.70	1.0	µg/L	10.0		97.0	70-130	3.25	25	
1,3-Dichlorobenzene	9.85	1.0	µg/L	10.0		98.5	70-130	0.910	25	
1,4-Dichlorobenzene	9.70	1.0	µg/L	10.0		97.0	70-130	2.04	25	
Dichlorodifluoromethane (Freon 12)	9.40	2.0	µg/L	10.0		94.0	40-160	1.27	25	†
1,1-Dichloroethane	9.93	1.0	µg/L	10.0		99.3	70-130	0.502	25	
1,2-Dichloroethane	9.89	1.0	µg/L	10.0		98.9	70-130	2.00	25	
1,1-Dichloroethylene	9.30	1.0	µg/L	10.0		93.0	70-130	4.83	25	
cis-1,2-Dichloroethylene	9.53	1.0	µg/L	10.0		95.3	70-130	2.90	25	
trans-1,2-Dichloroethylene	9.94	1.0	µg/L	10.0		99.4	70-130	3.56	25	
1,2-Dichloropropane	10.9	1.0	µg/L	10.0		109	70-130	2.54	25	
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105	70-130	1.89	25	
2,2-Dichloropropane	8.88	1.0	µg/L	10.0		88.8	40-130	6.85	25	†
1,1-Dichloropropene	9.52	2.0	µg/L	10.0		95.2	70-130	3.20	25	
Diethyl Ether	9.85	2.0	µg/L	10.0		98.5	70-130	2.99	25	
Diisopropyl Ether (DIPE)	9.59	0.50	µg/L	10.0		95.9	70-130	2.67	25	
1,4-Dioxane	121	50	µg/L	100		121	40-130	1.78	50	V-20 † ‡
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	2.62	25	
Hexachlorobutadiene	9.35	0.60	µg/L	10.0		93.5	70-130	2.49	25	
2-Hexanone (MBK)	105	10	µg/L	100		105	70-160	0.360	25	†
Isopropylbenzene (Cumene)	10.7	1.0	µg/L	10.0		107	70-130	2.59	25	
p-Isopropyltoluene (p-Cymene)	9.42	1.0	µg/L	10.0		94.2	70-130	4.16	25	
Methyl tert-Butyl Ether (MTBE)	9.22	1.0	µg/L	10.0		92.2	70-130	1.09	25	
Methylene Chloride	9.26	5.0	µg/L	10.0		92.6	70-130	1.29	25	
4-Methyl-2-pentanone (MIBK)	109	10	µg/L	100		109	70-160	0.834	25	†
Naphthalene	8.00	2.0	µg/L	10.0		80.0	40-130	4.40	25	†
n-Propylbenzene	9.86	1.0	µg/L	10.0		98.6	70-130	4.95	25	
Styrene	11.0	1.0	µg/L	10.0		110	70-130	3.41	25	
1,1,1,2-Tetrachloroethane	12.0	1.0	µg/L	10.0		120	70-130	0.828	25	V-20

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 B290833 - SW-846 5030B										
LCS Dup (B290833-BSD1)										
Prepared & Analyzed: 09/23/21										
1,1,2,2-Tetrachloroethane	11.0	0.50	µg/L	10.0		110	70-130	2.07	25	
Tetrachloroethylene	12.0	1.0	µg/L	10.0		120	70-130	4.32	25	V-20
Tetrahydrofuran	9.68	10	µg/L	10.0		96.8	70-130	2.25	25	
Toluene	10.0	1.0	µg/L	10.0		100	70-130	2.95	25	
1,2,3-Trichlorobenzene	8.57	5.0	µg/L	10.0		85.7	70-130	2.53	25	
1,2,4-Trichlorobenzene	9.44	1.0	µg/L	10.0		94.4	70-130	2.10	25	
1,3,5-Trichlorobenzene	9.63	1.0	µg/L	10.0		96.3	70-130	3.17	25	
1,1,1-Trichloroethane	9.21	1.0	µg/L	10.0		92.1	70-130	2.47	25	
1,1,2-Trichloroethane	11.1	1.0	µg/L	10.0		111	70-130	0.813	25	
Trichloroethylene	10.7	1.0	µg/L	10.0		107	70-130	2.58	25	
Trichlorofluoromethane (Freon 11)	8.56	2.0	µg/L	10.0		85.6	70-130	3.22	25	
1,2,3-Trichloropropane	12.1	2.0	µg/L	10.0		121	70-130	6.46	25	V-20
1,2,4-Trimethylbenzene	9.08	1.0	µg/L	10.0		90.8	70-130	4.63	25	
1,3,5-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130	4.95	25	
Vinyl Chloride	9.77	2.0	µg/L	10.0		97.7	40-160	2.63	25	†
m+p Xylene	20.6	2.0	µg/L	20.0		103	70-130	2.11	25	
o-Xylene	9.95	1.0	µg/L	10.0		99.5	70-130	2.97	25	
Surrogate: 1,2-Dichloroethane-d4	19.1		µg/L	25.0		76.3	70-130			
Surrogate: Toluene-d8	24.3		µg/L	25.0		97.3	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.0		102	70-130			

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.
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.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C-D 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-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
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
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methylene Chloride	CT,ME,NH,VA,NY

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C-D in Water	
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
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

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



con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client ATC
Received By [Signature] Date 9/22/21 Time 1420

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

Were samples within Temperature? 2-6°C T By Gun # 5 Actual Temp - 4.3
By Blank # Actual Temp -

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

Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified?
Are there Rushes? F Who was notified?
Are there Short Holds? F Who was notified?

Is there enough Volume? T
Is there Headspace where applicable? F MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? T On COC? T
Do all samples have the proper pH? Acid nta Base nta

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-	<u>14</u>	500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear
DI-		Other Glass		Other Plastic		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Unused Media

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

Comments:
