

Groundwater Monitoring Report Cover Sheet

Site Name: Vernondale Store

Town: North Sutton

Permit #: 199708016-S-004

Type of Submittal *(Check all that apply)*

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

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?
- ☐ 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? *(Do not check this box if the only recommendation is to continue with existing permit conditions.)*

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.

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

**GROUNDWATER SAMPLING RESULTS
ROUND-II 2022**

**VERNONDALE STORE
1526 ROUTE 114
NORTH SUTTON, NEW HAMPSHIRE 03260**

**NHDES Site #: 199708016
Project Type: LUST
Project Number: 7201**

Prepared For:

RLD Realty LLC
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Prepared By:

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October 2022
Project# 202204NH

GS
ENVIRONMENTAL & GROUNDWATER
ASSOCIATES, INC.

P.O. Box 4247
Portsmouth, New Hampshire 03802-4247
Tel: 603-812-5013

October 31, 2022
Project #202204NH

Water Supply & Pollution Control Division
NH Department of Environmental Services
6 Hazen Drive, P.O. Box 95
Concord, New Hampshire 03301
Attention: Groundwater Management Permit Coordinator

Re: Groundwater Sampling Results-Round II (2022)
Vernondale Store
North Sutton, New Hampshire 03260
NHDES #199708016

To Whom It May Concern:

On behalf of Mr. Robert DeFelice, GS Environmental and Groundwater Associates, Inc. (GS ENVIRONMENTAL) is pleased to submit these groundwater sampling results (Round II-2022) for the above-mentioned project. This project was authorized by the NHDES as part of the Groundwater Management Permit (No. GWP 199708016-S-004) for the site). A Site Plan of the project is shown on Figure 1.

Groundwater samples were collected from seven groundwater monitoring wells and one drinking water supply wells by GS ENVIRONMENTAL on October 13, 2022. One drinking water supply well used by the Vernondale Store could not be sampled during the site visit as the store is currently closed

A new disposable polyethylene bailer was used to purge and sample each monitoring well. Water samples were collected for analysis after the removal of at least three volumes of water from each well. Standard EPA sampling protocol was used for equipment sampling, collection, decontamination and transporting the samples in an ice filled cooler. Groundwater from the wells was checked for floating product or for petroleum odor. No floating product or petroleum odor was observed in any of the monitoring wells, except for olfactory evidences of petroleum contamination in MW-3 and MW-8. The groundwater samples were submitted by GS ENVIRONMENTAL to Alpha Environmental Laboratory, Inc. of Portsmouth, New Hampshire the same day, October 13, 2022. The samples were analyzed for volatile organic compounds (VOCs) by means of EPA Method 8260 (groundwater monitoring wells) and for EPA Method 524.2 for the drinking water supply well.

No volatile organic compounds (VOCs) were detected in the Rahilly property well (formerly Macpherson Well). Historically, VOCs contamination has not been a concern at the Vernondale Store.

GS ENVIRONMENTAL

Tabulated historical water quality data along with the laboratory analytical results are attached to this letter report.

Water levels were measured in each groundwater monitoring well sampled as part of the Groundwater Management Permit. The groundwater level measurements were taken on the same day. Historical tabulated water level data is attached.

If you have any questions or comments regarding the information contained in this letter report, please do not hesitate to call us.

Very truly yours,

GS ENVIRONMENTAL AND GROUNDWATER ASSOCIATES, INC.



Gene Schrager
Senior Hydrogeologist

Attachments: Tabulated Water Quality Results
Tabulated Water Level Data
Analytical Results-Round II 2022



FIGURE

APPENDIX A

TABULATED MONITORING WELL WATER QUALITY RESULTS

TABULATED PRIVATE DRINKING WATER QUALITY RESULTS

TABULATED HISTORICAL WATER LEVEL DATA

LABORATORY RESULTS GW-II 2022

Vernondale Store, North Sutton, New Hampshire-Historical Monitoring Data

NHDES # 19708016-LUST-WLP#3

MW-1 (All Concentrations in ppb)

DATE SAMPLED	BENEZNE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	MTBE	TOTAL BTEX	NAPHTHALENE	ALKYBENZENES	1,2,4-TRIMETHYL BENZENE	1,3,5-TRIMETHYL BENZENE	N-PROPYL BENZENE	N-BUTYL BENZENE	P-ISOPROPYL TOLUENE	TERT-BUTYL BENZENE	SEC-BUTYL BENZENE	EDB	DBCP	COMMENTS
09/24/97	BDL	BDL	BDL	BDL	393	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
02/24/98	BDL	BDL	BDL	BDL	44	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
03/11/98	BDL	BDL	BDL	BDL	12	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
03/31/99	BDL	BDL	BDL	BDL	4	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
07/01/99	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/02/99	9	76	BDL	151	7,540	236	BDL	46	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
04/11/00	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
06/26/00	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
09/06/00	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/02/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
07/03/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/13/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
04/02/02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/06/02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/07/03	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/17/03	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/14/04	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/04/04	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/02/05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/01/05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/02/06	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
08/03/06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/22/06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
04/03/07	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
07/31/07	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/07/07	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/19/08	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/01/08	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
05/06/09	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/09/09	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
05/28/10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/05/10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
05/04/11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/05/11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
05/09/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/11/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
05/08/13	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/01/13	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
05/29/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/01/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
04/29/15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
01/27/16	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
08/18/16	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	
10/02/16	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
05/17/17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/02/17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
05/01/18	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/03/18	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
04/30/19	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/01/19	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.85	BDL	BDL	BDL	BDL	0.85	BDL	BDL	NS	NS	
04/20/20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/05/20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
04/07/21	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/06/21	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
05/10/22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/13/22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
AGQS	5	1,000	700	10,000	13	NA	100	*1960	330	330	260	260	260	260	260	0.05	0.2	

Bold Italic-Exceed NHDES Method 1 GW-1 Category Limits

VOCs-Volatile Organic Compounds-EPA Method 8260B for monitoring wells

BDL-Below Detection Limit specified by the Laboratory

SPR-See Previous Reports na- not sampled

*** Per previous NHDES policies, alkybenzenes included 1,2,4 Trimethyl benzene, 1,3,5 Trimethyl benzene,**

n-propyl benzene, n-butyl benzene, 4-isopropyl toluene, tert-butyl benzene and sec-butyl benzene.

The sum of these compounds is compared to the revised NHDES GW-1 standard of 1960 ppb

Current AGQS based New Hampshire code of Administrative Rules Part Env-Wm 1403.05

EDB = 1,2 Dibromoethane

DBCP = 1,2 Dibromo-3-chloropropane

R - Well Replaced

Historical Groundwater Analytical Table (VOCs)
Verdondale Store

MW-2 (All Concentrations in ppb)

DATE SAMPLED	BENEZNE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	MTBE	TOTAL BTEX	NAPHTHALENE	ALKYBENZENES	1,2,4-TRIMETHYL BENZENE	1,3,5-TRIMETHYL BENZENE	N-PROPYL BENZENE	N-BUTYL BENZENE	P-ISOPROPYL TOLUENE	TERT-BUTYL BENZENE	SEC-BUTYL BENZENE	EDB	DBCP	COMMENTS
09/24/97	5,260	25,600	975	9,260	110,000	41,095	196	874	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
02/24/98	6,160	32,100	2,040	15,260	338,000	55,560	183	1,386	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
03/11/98	3,490	23,800	1,850	11,000	85,200	40,140	180	985	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
03/31/99	4,320	26,700	975	18,150	76,660	50,145	BDL	2,959	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
07/01/99	556	4,711	446	3,690	2,960	9,403	77	998	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/02/99	326	5,630	552	2,720	3,500	9,228	BDL	1,118	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
04/11/00	1,430	19,100	1,250	15,370	10,700	37,150	303	4,521	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
06/26/00	1,180	93,300	2,230	16,970	2,390	113,680	453	5,938	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
09/06/00	351	11,200	1,980	15,880	928	29,411	603	6,046	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/02/01	224	11,400	1,100	16,520	338	29,244	352	2,950	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
07/03/01	BDL	5,110	1,620	13,410	BDL	20,140	389	3,254	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/13/01	BDL	1,150	869	7,190	51	9,209	287	2,862	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
5/6/02	BDL	236	263	3,760	BDL	4,259	122	1,706	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/07/03	BDL	742	223	7,140	BDL	8,105	259	2,220	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/17/03	BDL	680	450	7,930	78	9,060	228	621	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/14/04	BDL	BDL	134	3,085	BDL	3,219	106	1,143	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/04/04	BDL	BDL	565	5,850	218	6,415	264	3,841	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/02/05	BDL	BDL	120	2,142	69	2,262	95	889	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/01/05	BDL	338	256	4,704	377	4,366	159	1,457	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/02/06	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
08/03/06	BDL	88	143	1,478	1,030	1,709	106	1,024	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/22/06	BDL	BDL	BDL	632	5,540	632	BDL	659	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
04/03/07	BDL	BDL	BDL	391	86	391	BDL	245	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
07/31/07	BDL	BDL	69	368	BDL	437	53	1104	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/07/07	BDL	BDL	61	384	BDL	445	42	1061	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/19/08	BDL	BDL	35	288	BDL	323	68	1023	730	212	34	BDL	33	BDL	BDL	NS	NS	
10/01/08	BDL	BDL	59	272	BDL	331	47	866	708	65	93	BDL	BDL	BDL	BDL	BDL	BDL	26 isopropylbenzene
05/06/09	BDL	BDL	21	134	BDL	155	21	228.5	173	18	19	BDL	11	BDL	BDL	NS	NS	7.5 isopropylbenzene
10/09/09	BDL	BDL	63	302	BDL	365	64	1021	829	90	102	BDL	BDL	BDL	BDL	NS	NS	26 isopropylbenzene
05/28/10	BDL	BDL	26	77	BDL	103	20	352	255	47	39	BDL	BDL	BDL	BDL	NS	NS	11 isopropylbenzene
10/05/10	BDL	BDL	25	38.2	BDL	63.2	36	656	492	33	90	BDL	7.2	BDL	16	NS	NS	18 isopropylbenzene
05/04/11	BDL	BDL	3.8	23.2	BDL	27	2.5	80.8	33	8.5	3.9	BDL	BDL	BDL	BDL	NS	NS	1.3 isopropylbenzene, 20 acetone
10/05/11	BDL	BDL	49	297	BDL	346	37	294.8	228	33	25	BDL	BDL	BDL	BDL	NS	NS	8.8 isopropylbenzene
05/09/12	BDL	BDL	9.4	15.7	1.4	26.5	5.9	98.2	77	3.5	11	BDL	BDL	BDL	2.6	NS	NS	4.1 isopropylbenzene
10/11/12	BDL	BDL	18	28.2	BDL	46.2	17	429	346	15	47	BDL	BDL	BDL	10	NS	NS	11 isopropylbenzene
05/08/13	12	BDL	28	63	BDL	103	10	206.4	162	16	21	BDL	BDL	BDL	BDL	NS	NS	7.4 isopropylbenzene
10/01/13	BDL	BDL	22	31.4	BDL	53.4	BDL	333.1	250	24	37	11	2.5	BDL	BDL	NS	NS	8.6 isopropylbenzene ppb
05/29/14	BDL	BDL	42	150	BDL	192	12	319.6	240	50	21	BDL	BDL	BDL	2.4	NS	NS	6.2 isopropylbenzene ppb
10/01/14	BDL	BDL	24	32	BDL	56	BDL	297.1	210	23	37	11	2.7	BDL	2.4	NS	NS	11 isopropylbenzene ppb
04/29/15	BDL	BDL	81	350	BDL	431	23	412.7	290	70	33	5.2	BDL	BDL	2.5	NS	NS	12 isopropylbenzene ppb
01/27/16	BDL	BDL	17	32	BDL	49	3.6	120	87	7.7	15	2.9	0.92	BDL	2.2	NS	NS	4.6 isopropylbenzene ppb
08/18/16	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	
10/02/16	350	1200	66	290	BDL	1906	na	174	110	BDL	18	34	BDL	BDL	12	na	na	
05/17/17	3.8	1.9	5.6	11	ND	22.3	na	49.5	34	8.1	4.5	0.58	BDL	BDL	0.87	na	na	1.5 isopropylbenzene
10/02/17	2	BDL	10	5.2	BDL	17.2	2.9	37.88	17	BDL	15	BDL	0.78	BDL	BDL	na	na	5.1 isopropylbenzene ppb
05/01/18	BDL	BDL	5.3	11	BDL	16.3	BDL	26.72	19	4.52	BDL	BDL	BDL	BDL	BDL	NS	NS	0.92 isopropylbenzene ppb
10/03/18	BDL	BDL	2.3	BDL	BDL	2.3	BDL	26.77	13	BDL	5.8	2	0.67	BDL	3.1	NS	NS	2.2 isopropylbenzene
04/30/19	BDL	BDL	15	54	BDL	69	4.4	200.63	150	30	14	1.2	0.73	BDL	BDL	NS	NS	4.7 isopropylbenzene
10/01/19	BDL	BDL	1.5	BDL	BDL	1.5	BDL	19.4	BDL	BDL	5.9	3.8	BDL	BDL	6.8	NS	NS	2.9 isopropylbenzene ppb
04/20/20	BDL	BDL	20	49	BDL	69	5.8	168.88	120	24	16	1	0.58	BDL	1.7	NS	NS	5.4 isopropylbenzene ppb
10/05/20	BDL	BDL	1.6	1.1	BDL	2.7	3.4	43.2	10	BDL	8.4	12	1.3	BDL	9	NS	NS	2.5 isopropylbenzene ppb
04/07/21	BDL	BDL	0.61	1.2	BDL	1.81	BDL	9.22	7.4	BDL	1.3	BDL	BDL	BDL	BDL	NS	NS	0.52 isopropylbenzene ppb
10/06/21	BDL	BDL	0.58	BDL	BDL	0.58	BDL	14.68	6.2	BDL	2.9	2.1	BDL	BDL	2.5	NS	NS	0.98 isopropylbenzene ppb
05/10/22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/13/22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.47	3.2	BDL	BDL	1.2	1.4	BDL	2.1	NS	NS	0.57 isopropylbenzene ppb
AGQS	5	1,000	700	10,000	13	NA	100	*1960	330	330	260	260	260	260	260	0.05	0.2	

Historical Groundwater Analytical Table (VOCs)
All Concentrations in ppb
MW-3

DATE SAMPLED	BENEZNE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	MTBE	TOTAL BTEX	NAPHTHALENE	ALKYBENZENES	1,2,4-TRIMETHYL BENZENE	1,3,5-TRIMETHYL BENZENE	N-PROPYL BENZENE	N-BUTYL BENZENE	P-ISOPROPYL TOLUENE	TERT-BUTYL BENZENE	SEC-BUTYL BENZENE	EDB	DBCP	COMMENTS
09/24/97	NS	NS	NS	NS	NS	NS	NS	NS	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
02/24/98	8,790	30,200	2,460	13,060	27,900	54,510	262	2,222	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
03/11/98	7,870	25,400	2,390	12,970	36,300	48,630	BDL	1,270	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
03/31/99	NS	NS	NS	NS	NS	NS	NS	NS	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
07/01/99	NS	NS	NS	NS	NS	NS	NS	NS	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/02/99	NS	NS	NS	NS	NS	NS	NS	NS	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
04/11/00	NS	NS	NS	NS	NS	NS	NS	NS	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
06/26/00	897	27,500	3,860	22,540	BDL	54,797	427	5,925	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
09/06/00	905	11,100	2,920	20,850	BDL	35,775	378	6,871	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/02/01	228	2,900	1,390	7,470	BDL	11,988	188	1,840	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
07/03/01	BDL	15,100	4,060	23,590	BDL	42,750	903	4,153	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/13/01	1,300	28,400	4,430	26,890	BDL	61,020	BDL	3,754	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
5/6/02	730	14,500	3,410	20,900	BDL	39,540	BDL	3,130	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/07/03	BDL	9,200	2,510	17,210	BDL	28,830	BDL	3,687	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/17/03	BDL	3,780	1,990	13,550	BDL	19,320	320	2,510	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/14/04	BDL	12,000	4,220	27,120	BDL	43,340	583	5,010	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/04/04	303	17,700	3,910	23,650	BDL	45,563	449	4,645	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/02/05	BDL	1,720	1,670	11,220	BDL	14,610	309	3,772	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/01/05	3	6	36	181	24	223	7	72	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/02/06	BDL	4,020	2,550	16,190	BDL	22,760	BDL	3,773	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
08/03/06	BDL	64	440	2,895	BDL	3,399	199	3,332	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/01/06	BDL	42	73	206	BDL	321	9	66	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
04/03/07	BDL	102	136	521	167	759	19	244	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
07/31/07	BDL	799	1230	6970	BDL	8999	251	2940	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/07/07	BDL	125	555	1778	60	2458	162	2779	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/19/08	BDL	66	184	831	BDL	1081	37	961	638	164	119	BDL	40	BDL	BDL	NS	NS	
10/01/08	BDL	38	377	1010	BDL	1425	102	1876	1380	315	181	BDL	BDL	BDL	BDL	BDL	BDL	68 isopropylbenzene
05/06/09	BDL	90	191	984	BDL	1265	27	715.8	486	93	89	BDL	7.8	BDL	BDL	NS	NS	40 isopropylbenzene
10/09/09	BDL	21	315	1070	BDL	1406	84	1411	967	232	145	BDL	14	BDL	BDL	NS	NS	53 isopropylbenzene
05/28/10	BDL	271	986	5020	BDL	6277	138	2362	1600	404	197	BDL	18	BDL	BDL	NS	NS	83 isopropylbenzene
10/05/10	BDL	125	170	867	BDL	1162	60	771	540	136	71	BDL	BDL	BDL	BDL	NS	NS	24 isopropylbenzene
05/04/11	2.8	36	71	166	BDL	275.8	7.2	200.5	132	37	23	BDL	BDL	BDL	BDL	NS	NS	8.5 isopropylbenzene
10/05/11	BDL	BDL	6	11.4	BDL	17.4	0.6	9.5	7.6	BDL	1.2	BDL	BDL	BDL	BDL	NS	NS	0.7 isopropylbenzene
05/09/12	6.3	25	143	499	BDL	673.3	21	471	321	81	48	BDL	BDL	BDL	BDL	NS	NS	21 isopropylbenzene
10/11/12	18	289	410	1598	BDL	2315	62	972	663	170	102	BDL	BDL	BDL	BDL	NS	NS	37 isopropylbenzene
05/08/13	17	174	792	2560	BDL	3543	122	1909	1270	347	204	BDL	BDL	BDL	BDL	NS	NS	82 isopropylbenzene
10/01/13	15	120	510	2200	BDL	2845	BDL	1369	930	230	140	23	BDL	BDL	BDL	NS	NS	46 isopropylbenzene
05/29/14	2.4	15	100	260	BDL	377	12	280	200	36	30	0.72	0.5	BDL	0.83	NS	NS	12 isopropylbenzene
10/01/14	BDL	20	280	730	BDL	1030	BDL	1011	690	160	120	BDL	BDL	BDL	BDL	NS	NS	41 isopropylbenzene
04/29/15	1.3	13	73	194	BDL	281.3	4.8	80	56	8	9.1	0.68	BDL	BDL	0.51	NS	NS	5.8 isopropylbenzene
01/27/16	3.2	17	140	320	BDL	480	15	377	270	48	37	5.2	BDL	BDL	2.7	NS	NS	14 isopropylbenzene
08/18/16	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	
10/02/16	BDL	190	510	2000	BDL	2700	100	1894	1300	300	190	30	BDL	BDL	11	na	na	63 isopropylbenzene
R 5/17/17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/02/17	3.6	41	260	420	BDL	724.0	30	414	260	29	77	6.7	2	BDL	7.4	NS	NS	32 isopropylbenzene
05/01/18	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/03/18	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
04/30/19	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/01/19	BDL	21	230	590	BDL	841	32	620	390	62	100	8.7	2.4	BDL	10	NS	NS	47 isopropylbenzene
04/20/20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.56	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	0.56 isopropylbenzene
10/05/20	BDL	19	200	970	BDL	1189	31	325.6	210	26	56	2.9	BDL	BDL	3.7	NS	NS	27 isopropylbenzene
04/07/21	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/06/21	BDL	BDL	5.4	4	BDL	9.4	BDL	33.78	19	BDL	9	0.62	BDL	BDL	0.96	NS	NS	4.2 isopropylbenzene
05/10/22	BDL	4	46	140	BDL	190	BDL	535.1	350	82	68	5.9	2	BDL	5.2	NS	NS	22 isopropylbenzene
10/13/22	BDL	33	260	1500	BDL	1793	39	866	570	150	97	7.7	BDL	BDL	7	NS	NS	35 isopropylbenzene
AGQS	5	1,000	700	10,000	13	NA	100	*1960	330	330	260	260	260	260	260	0.05	0.2	

Historical Groundwater Analytical Table (VOCs)-Verdondale Store
All Concentrations in ppb
MW-4

DATE SAMPLED	BENEZNE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	MTBE	TOTAL BTX	NAPHTHALENE	ALKYBENZENES	1,2,4-TRIMETHYL BENZENE	1,3,5-TRIMETHYL BENZENE	N-PROPYL BENZENE	N-BUTYL BENZENE	P-ISOPROPYL TOLUENE	TERT-BUTYL BENZENE	SEC-BUTYL BENZENE	EDB	DBCP	COMMENTS	
09/24/97	NS	NS	NS	NS	NS	NS	NS	NS	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS		
02/24/98	516	843	199	1,098	7,530	2,656	9	159	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS		
03/11/98	1,830	2,640	318	1,279	32,000	6,067	BDL	135	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS		
03/31/99	1,350	1,120	451	1,597	24,000	4,518	54	325	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS		
07/01/99	284	50	68	120	6,290	522	BDL	42	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS		
11/02/99	428	BDL	BDL	96	7,300	524	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS		
04/11/00	1,140	2,610	496	2,297	12,700	6,543	38	662	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS		
06/26/00	1,500	6,220	934	3,380	13,400	12,034	BDL	1,307	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS		
09/06/00	758	1,090	529	2,115	14,400	4,492	310	1,039	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS		
05/02/01	407	1,080	260	1,142	2,140	2,889	BDL	169	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS		
07/03/01	686	1,540	316	1,124	3,830	3,666	BDL	197	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	ETHYL T-BUTYL ETHER 262	
11/13/01	BDL	35	16	78	670	129	BDL	11	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS		
5/6/02	203	BDL	112	248	1,660	563	BDL	103	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS		
05/07/03	197	611	278	1,019	869	2,105	BDL	226	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS		
11/17/03	25	BDL	BDL	19	38	44	BDL	3	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	ETBE 3 ppb; TBA 61 ppb	
05/14/04	24	BDL	BDL	8	67	32	BDL	2	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	ETBE 3 ppb; TBA 39 ppb	
11/04/04	16	BDL	BDL	10	24	26	1	3	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	ETBE 2 ppb; TBA 30 ppb	
05/02/05	53	143	70	370	83	636	11	89	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	ETBE 7 ppb; TAME 7 ppb	
11/01/05	120	269	161	769	179	1,319	17	206	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	TAME 25 ppb	
05/02/06	145	182	351	1,125	216	1,803	47	501	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	TAME 23 ppb	
08/03/06	150	992	509	2,096	187	3,747	63	574	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	TAME 14 ppb	
11/22/06	163	256	415	1,644	156	2,478	29	524	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	TAME 14 ppb	
04/03/07	33	2	84	248	76	367	2	91	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	ETBE 2 ppb; TAME 3 ppb	
07/31/07	61	BDL	154	335	152	550	18	281	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	TAME 6 ppb	
11/07/07	11	BDL	2	2	26	15	BDL	5	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	ETBE 1 ppb	
05/19/08	101	2,380	643	2470	119	6634	69	830	596	157	77	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS
10/01/08	20	2.9	80	210	18	312.9	5.2	107	80	15	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.9 isopropylbenzene
05/06/09	66	159	226	970	30	1421	49.0	569	416	64	59	BDL	BDL	BDL	BDL	BDL	BDL	BDL	30 isopropylbenzene
10/09/09	7.5	BDL	4	26	7.5	37.5	BDL	18	9.4	0.9	5.1	BDL	BDL	BDL	BDL	BDL	NS	NS	2.6 isopropylbenzene, 0.7 ETBE
05/28/10	18	BDL	21	31	6.6	70	0.7	37.1	17	2.2	12	BDL	BDL	BDL	BDL	0.8	NS	NS	5.9 isopropylbenzene, 0.8 ETBE
10/05/10	7.8	BDL	1	16	10	24.8	0	11.9	5.4	0.9	3.8	BDL	BDL	BDL	BDL	BDL	NS	NS	1.8 isopropylbenzene
05/04/11	29	7.5	140	424	8.8	600.5	8	246	175	26	32	BDL	BDL	BDL	BDL	BDL	BDL	BDL	13 isopropylbenzene
10/05/11	4.8	0.7	BDL	6.3	4	11.8	BDL	3.9	1.9	BDL	1.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.7 isopropylbenzene
05/09/12	3.1	BDL	BDL	0.7	2.7	3.8	BDL	0.7	BDL	BDL	0.7	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/11/12	5.1	BDL	BDL	6	5.3	11.1	BDL	4.4	2.5	BDL	1.3	BDL	BDL	BDL	BDL	BDL	NS	NS	0.6 isopropylbenzene
05/08/13	4.2	BDL	BDL	1.9	4.6	6.1	BDL	1.5	BDL	BDL	0.9	BDL	BDL	BDL	BDL	BDL	NS	NS	0.6 isopropylbenzene
10/01/13	5.2	BDL	BDL	3.7	3.8	BDL	BDL	1.27	BDL	BDL	0.68	BDL	BDL	BDL	BDL	BDL	NS	NS	0.59 isopropylbenzene
05/29/14	2.7	BDL	BDL	2.7	1.4	5.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/01/14	3.8	BDL	BDL	6.2	2	10	BDL	2.6	2.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
04/29/15	2.3	BDL	BDL	BDL	1.8	2.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
01/27/16	1.3	BDL	BDL	1	BDL	2.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
08/18/16	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	
10/02/16	1.7	BDL	BDL	2.6	1.5	4.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
R 5/17/17	2.8	BDL	4.6	8.4	BDL	15.8	BDL	33.7	21	3.2	6.6	BDL	BDL	BDL	BDL	0.5	NS	NS	2.4 isopropylbenzene
10/02/17	1.3	BDL	2.9	7.7	1	11.9	BDL	9.45	7.3	BDL	1.2	BDL	BDL	BDL	BDL	BDL	NS	NS	0.95 isopropylbenzene
05/01/18	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/03/18	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
04/30/19	5.5	190	360	1,900	BDL	2455.5	86	2,036.50	1,500	280	BDL	6.6	5.7	BDL	8.2	NS	NS	56 isopropylbenzene	
10/01/19	0.82	BDL	5.9	29	BDL	35.72	BDL	37.78	27	3.4	4	BDL	0.52	0.66	BDL	NS	NS	2.2 isopropylbenzene	
04/20/20	BDL	540	500	3,400	BDL	4440	120	1,713.00	1,200	280	160	6.9	BDL	BDL	7.6	NS	NS	59 isopropylbenzene	
10/05/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
04/07/21	5.7	340	350	2500	BDL	3195.7	33	BDL	850	200	150	5.3	2.9	BDL	7	NS	NS	67 isopropylbenzene	
10/06/21	BDL	BDL	3.5	14	BDL	17.5	BDL	17.2	11	BDL	4.4	BDL	BDL	BDL	BDL	BDL	NS	NS	1.8 isopropylbenzene
05/10/22	0.77	BDL	7.9	6.2	BDL	14.8	BDL	14	6.9	BDL	5	BDL	BDL	BDL	BDL	BDL	NS	NS	2.1 isopropylbenzene
10/13/22	BDL	BDL	BDL	7.8	BDL	7.8	BDL	8.28	7.4	BDL	0.88	BDL	BDL	BDL	BDL	BDL	NS	NS	
AGQS	5	1,000	700	10,000	13	NA	100	*1960	330	330	260	260	260	260	260	0.05	0.2		

Historical Groundwater Analytical Table (VOCs)

MW-7																		
DATE SAMPLED	BENEZNE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	MTBE	TOTAL BTX	NAPHTHALENE	ALKYBENZENES	1,2,4-TRIMETHYL BENZENE	1,3,5-TRIMETHYL BENZENE	N-PROPYL BENZENE	N-BUTYL BENZENE	P-ISOPROPYL TOLUENE	TERT-BUTYL BENZENE	SEC-BUTYL BENZENE	EDB	DBCP	COMMENTS
09/24/97	NS	NS	NS	NS	NS	NS	NS	NS	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
02/24/98	NS	NS	NS	NS	NS	NS	NS	NS	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
03/11/98	NS	NS	NS	NS	NS	NS	NS	NS	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
03/31/99	NS	NS	NS	NS	NS	NS	NS	NS	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
07/01/99	BDL	BDL	BDL	BDL	81	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/02/99	7	BDL	BDL	BDL	179	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
04/11/00	2	BDL	BDL	9	17	11	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
06/26/00	BDL	BDL	BDL	BDL	163	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
09/06/00	12	BDL	BDL	4	429	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	ETHYL T-BUTYL ETHER 2/3
05/02/01	BDL	BDL	BDL	BDL	114	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	CARBON DISULFIDE 14/5
07/03/01	7	BDL	BDL	BDL	157	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	ACETONE 21/10
11/13/01	BDL	BDL	BDL	BDL	25	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/06/02	BDL	BDL	BDL	BDL	13	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/07/03	1	BDL	BDL	BDL	11	1	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/14/04	BDL	BDL	BDL	BDL	12	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/04/04	BDL	BDL	BDL	BDL	17	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/02/05	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	Acetone at 23 ppb
11/01/05	1	BDL	BDL	BDL	11	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
05/02/06	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
08/03/06	2	BDL	BDL	8	16	10	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/22/06	10	24	10	66	3	110	BDL	2	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
04/03/07	flooded								SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
07/31/07	22	2	7	90	46	121	BDL	6	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	
11/07/07	29	BDL	12	196	48	237	BDL	11	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	ETBE 1 ppb; TAME 1 ppb
05/19/08	9	3	24	184	18	220	2	35	24	6	3	BDL	BDL	BDL	BDL	NS	NS	
10/01/08	8.6	BDL	BDL	130	18	138.6	0.9	16.7	13	2.7	1	BDL	BDL	BDL	BDL	BDL	BDL	ETBE 0.7 ppb; TBA 11 ppb.
05/06/09	3.3	BDL	5	84	16	918	1	17.6	13	2.7	1.2	BDL	BDL	BDL	BDL	NS	NS	0.7 isopropylbenzene
10/09/09	1.9	BDL	BDL	83	9.7	84.9	0.5	12.2	9.4	2.1	0.7	BDL	BDL	BDL	BDL	NS	NS	
05/28/10	1.6	BDL	0.7	43	12	45.3	0.6	9.2	7.2	1.3	0.7	BDL	BDL	BDL	BDL	NS	NS	
10/05/10	BDL	BDL	BDL	16.1	2.5	16.1	BDL	3.7	3.7	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
05/04/11	BDL	BDL	BDL	4.6	BDL	4.9	BDL	2.1	2.1	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/05/11	BDL	BDL	BDL	23	0.8	3	BDL	4.6	3.9	0.7	BDL	BDL	BDL	BDL	BDL	NS	NS	
05/09/12	BDL	BDL	BDL	21.4	1.9	21.4	BDL	4.2	3.4	0.8	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/11/12	BDL	BDL	BDL	5.9	1	5.9	BDL	1.4	1.4	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
05/08/13	BDL	BDL	BDL	7	2.2	7	BDL	2.1	2.1	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/01/13	BDL	BDL	BDL	10.6	BDL	10.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
05/29/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/01/14	BDL	BDL	BDL	6.5	1.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
04/29/15	BDL	BDL	BDL	2.8	BDL	2.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
01/27/16	BDL	BDL	BDL	3.4	BDL	3.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
08/18/16	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	
10/02/16	BDL	BDL	BDL	3.2	BDL	3.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
05/17/17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/02/17	BDL	BDL	BDL	2.8	BDL	2.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
05/01/18	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/03/18	BDL	BDL	BDL	5.9	BDL	5.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
04/30/19	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	Acetone at 9.8 ppb
10/01/19	BDL	BDL	BDL	1.3	BDL	1.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
04/20/20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/05/20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
04/07/21	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/06/21	BDL	BDL	BDL	1.6	BDL	1.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
05/10/22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/13/22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
AGQS	5	1,000	700	10,000	13	NA	100	*1960	330	330	260	260	260	260	260	0.05	0.2	

Historical Groundwater Analytical Table (VOCs)
Verdondale Store
North Sutton, New Hampshire
NHDES # 19708016-LUST-WLP#3
All Concentrations in ppb

MW-8

DATE SAMPLED	BENEZNE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	MTBE	TOTAL BTX	NAPHTHALENE	ALKYBENZENES	1,2,4-TRIMETHYL BENZENE	1,3,5-TRIMETHYL BENZENE	N-PROPYL BENZENE	N-BUTYL BENZENE	P-ISOPROPYL TOLUENE	TERT-BUTYL BENZENE	SEC-BUTYL BENZENE	EDB	DBCP	COMMENTS
09/24/97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
02/24/98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
03/11/98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
03/31/99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
07/01/99	659	47	18	800	8,250	1,524	11	182	NS	NS	NS	NS	NS	NS	NS	NS	NS	
11/02/99	1,520	BDL	BDL	1,721	14,200	3,241	BDL	614	NS	NS	NS	NS	NS	NS	NS	NS	NS	
04/11/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	flooded
06/26/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	flooded
09/06/00	303	22	BDL	690	1,780	BDL	BDL	169	NS	NS	NS	NS	NS	NS	NS	NS	NS	
05/02/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	flooded
07/03/01	70	15	28	283	210	396	NS	48	NS	NS	NS	NS	NS	NS	NS	NS	NS	ETHYL T-BUTYL ETHER 5
11/13/01	897	BDL	55	3,750	2,420	4,702	BDL	108	NS	NS	NS	NS	NS	NS	NS	NS	NS	ETHYL T-BUTYL ETHER 60
05/06/02	65	BDL	55	423	185	543	10	79	NS	NS	NS	NS	NS	NS	NS	NS	NS	
05/07/03	419	BDL	69	1,688	761	2,176	34	294	NS	NS	NS	NS	NS	NS	NS	NS	NS	TAME 91ppb; ETBE 41 ppb
11/17/03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	could not be sampled due to surface water
05/14/04	848	1,580	556	4,640	676	7,624	54	573	NS	NS	NS	NS	NS	NS	NS	NS	NS	TAME 93ppb; ETBE 30 ppb
11/04/04	674	BDL	160	4,060	439	4,894	BDL	337	NS	NS	NS	NS	NS	NS	NS	NS	NS	
05/02/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	not sampled due to flooding
10/03/05	141	NS	NS	1,846	48	1,987	36	302	NS	NS	NS	NS	NS	NS	NS	NS	NS	
05/02/06	13	3	13	145	5	174	BDL	17	NS	NS	NS	NS	NS	NS	NS	NS	NS	
08/03/06	11	1	13	39	11	64	16	64	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/11/06	18	BDL	4	43	5	65	22	33	NS	NS	NS	NS	NS	NS	NS	NS	NS	
04/03/07	flooded								NS	NS	NS	NS	NS	NS	NS	NS	NS	
07/31/07	BDL	BDL	BDL	BDL	6	BDL	BDL	BDL	NS	NS	NS	NS	NS	NS	NS	NS	NS	
11/07/07	BDL	BDL	BDL	1	36	1	BDL	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	
05/19/08	BDL	BDL	4	18	1	22	3	33	20	7	4	BDL	BDL	BDL	BDL	BDL	BDL	
10/01/08	BDL	BDL	BDL	4.4	0.5	4.4	BDL	5.8	4.6	0.5	0.7	BDL	BDL	BDL	BDL	BDL	BDL	0.5 isopropylbenzene
05/06/09	3.3	6.7	61	393	BDL	464	10	1831	139	24	13	BDL	BDL	BDL	BDL	NS	NS	7.1 isopropylbenzene
10/09/09	BDL	0.5	2.8	54.9	BDL	58.2	2.3	30.3	23	4.3	2	BDL	BDL	BDL	BDL	NS	NS	1.0 isopropylbenzene
05/28/10	11	174	187	1460	BDL	1832	45	374	262	61	34	BDL	BDL	BDL	BDL	NS	NS	17 isopropylbenzene
10/05/10	BDL	7.5	69	555	BDL	631.5	9.5	130.5	95	21	9.3	BDL	BDL	BDL	BDL	NS	NS	5.2 isopropylbenzene
05/04/11	BDL	BDL	66	655	BDL	721	18	243.3	173	43	20	BDL	BDL	BDL	BDL	NS	NS	7.30 isopropylbenzene
10/05/11	flooded																	
10/11/12	16	11	291	2474	BDL	2792	66	704	503	124	52	BDL	BDL	BDL	BDL	NS	NS	25 ppb isopropylbenzene
05/08/13	14	15	139	2030	BDL	2198	72	710	505	119	59	BDL	BDL	BDL	BDL	NS	NS	NS
10/01/13	0.6	BDL	3	85	BDL	88.6	2.7	34.25	25	5.9	2.4	BDL	BDL	BDL	BDL	NS	NS	0.95 isopropylbenzene
05/29/14	BDL	BDL	5.2	160	BDL	165.2	8.4	199	98	20	7.9	BDL	BDL	BDL	BDL	NS	NS	2.4 isopropylbenzene
10/01/14	6.4	BDL	48	1214	0	1268	33	549	400	100	34	BDL	BDL	BDL	BDL	NS	NS	15 isopropylbenzene
04/29/15	4.7	11	86	733	BDL	834	28	293	210	52	21	BDL	BDL	BDL	BDL	NS	NS	10 isopropylbenzene/41 acetone
01/27/16			flooded-ice in															
08/18/16	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	
10/02/16	12	BDL	160	2,900	BDL	3072	120	1162	840	210	76	BDL	BDL	BDL	BDL	NS	NS	36 isopropylbenzene
05/17/17	flooded																	
10/02/17	13	BDL	38	1,600	BDL	1651	79	797	590	140	43	BDL	BDL	BDL	BDL	NS	NS	24 ppb isopropylbenzene
05/01/18	4.3	2.41	41	840	BDL	887	45	516	380	88	31	1.3	1.2	BDL	BDL	NS	NS	15 ppb isopropylbenzene
10/03/18	flooded																	
04/30/19	flooded																	
10/01/19	4.9	BDL	22	1400	BDL	1426.4	63	810	620	150	23	BDL	BDL	BDL	BDL	NS	NS	17 ppb isopropylbenzene
04/20/20	BDL	BDL	BDL	21	BDL	21	3	30.2	27	3.2	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/05/20	1.6	BDL	0.81	190	BDL	192.41	30	249.5	220	28	BDL	BDL	0.82	BDL	BDL	NS	NS	0.68 ppb isopropylbenzene
04/07/21	0.69	BDL	BDL	9.7	BDL	10.39	BDL	34	34	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/06/21	0.99	BDL	BDL	170	BDL	170	18	211.7	180	31	BDL	BDL	BDL	BDL	BDL	NS	NS	0.70 ppb isopropylbenzene
05/10/22	BDL	0.95	1.7	62	BDL	64.65	6.2	91.8	76	13	1.4	BDL	BDL	BDL	BDL	NS	NS	1.4 ppb isopropylbenzene
10/13/22	3.9	28	120	1500	BDL	1651.9	44	782	580	140	38	BDL	BDL	BDL	BDL	NS	NS	24 ppb isopropylbenzene
AGQS	5	1,000	700	10,000	13	NA	100	*1960	330	330	260	260	260	260	260	0.05	0.2	

[illegible]

5/2/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
11/1/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
5/17/2017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS
10/02/17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS
05/01/18	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS
04/29/15	4.7	11	86	733	BDL	834	28	293	210	52	21	BDL	BDL	BDL	BDL	BDL	NS	NS
01/27/16			flooded-ice in															
08/18/16	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	10 isopropylbenzene/41 acetone
10/02/16	12	BDL	160	2,900	BDL	3072	120	1162	840	210	76	BDL	BDL	BDL	BDL	BDL	NS	NS
05/01/18	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS
10/03/18	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS
04/30/19		Well	Damaged															36 isopropylbenzene
10/01/19	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS
04/20/20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS
10/05/20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS
04/07/21	BDL	BDL	BDL	1.1	BDL	1.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS
10/06/21	BDL	BDL	BDL	1.1	BDL	1.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS
05/10/22	BDL	BDL	BDL	5.1	BDL	5.1	BDL	4.75	3.4	BDL	0.56	BDL	BDL	BDL	BDL	BDL	NS	NS
10/13/22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS
AGQS	5	1,000	700	10,000	13	NA	100	*1960	330	330	260	260	260	260	260	0.05	0.2	

**Historical Groundwater Analytical Table-Drinking Water Wells
Verdondale Store Site, North Sutton, New Hampshire
All Concentrations in ppb**

Vernondale Well																			
DATE SAMPLED	BENEZNE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE	TOTAL BTEX	NAPHTHALENE	ALKYBENZENES	1,2,4-TRIMETHYL BENZENE	1,3,5-TRIMETHYL BENZENE	N-PROPYL BENZENE	N-BUTYL BENZENE	P-ISOPROPYL TOLUENE	TERT-BUTYL BENZENE	SEC-BUTYL BENZENE	CHLOROFORM	EDB	DBCP	Notes
2/24/1998	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
3/9/1999	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
7/1/1999	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
11/2/1999	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
4/11/2000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
6/26/2000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
9/3/2000	BDL	BDL	BDL	BDL	1.1	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
5/1/2001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
7/2/2001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	0.68	NS	NS	
11/13/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	8.5	NS	NS	
2/15/2002	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	0.28	NS	NS	
5/6/2002	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	0.31 ppb of 1,4 dichlorobenzene
5/7/2003	BDL	BDL	BDL	BDL	0.54	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	3.6	NS	NS	
11/17/2003	BDL	BDL	BDL	BDL	0.93	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	2	NS	NS	Carbon Disulfide 0.26 ppb
5/14/2004	BDL	BDL	BDL	BDL	0.71	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	1.3	NS	NS	
11/4/2004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
5/2/2005	BDL	BDL	BDL	BDL	0.51	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	0.99 ppb chloroform
11/1/2005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	0.29 ppb of chloroform
5/2/2006	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
8/3/2006	BDL	BDL	BDL	BDL	0.7	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
11/22/2006	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	4.4 ppb of chloroform
4/3/2007	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	0.6 ppb of chloroform
7/31/2007	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	0.4 ppb of chloroform
11/7/2007	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	0.3 ppb of chloroform
5/19/2008	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/1/2008	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
5/6/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	0.4 ppb of chloroform
10/9/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
5/28/2010	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/5/2010	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
5/4/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/5/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
5/9/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
5/8/2013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/1/2013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
5/28/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/1/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
4/29/2015	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
1/27/2016	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	0.52 ppb Carbon disulfide
4/8/2016	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
5/17/2017	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/2/2017	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
5/1/2018	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/3/2018	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
4/30/2019	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/1/2019	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/5/2020	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
4/7/2021	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/6/2021	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
5/10/2022	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/13/2022	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
AGQS	5	1,000	700	10,000	13	NA	100	1960*	330	330	260	260	260	260	260	6	0.05	0.2	

Current AGQS based New Hampshire code of Administrative Rules Part Env-Wm 1403.05

Bold Italic-Exceed NHDES Method 1 GW-1 Category Limits

VOCs-Volatile Organic Compounds-EPA Method 8260B for monitoring wells

BDL-Below Detection Limit specified by the Laboratory

SPR-See Previous Reports

NS-Not sampled

*For the purpose of this policy alkybenzenes include 1,2,4 Trimethyl benzene, 1,3,5 Trimethyl benzene,

n-propyl benzene, n-butyl benzene, 4-isopropyl toluene, tert-butyl benzene and sec-butyl benzene.

The sum of these compounds is compared to the revised NHDES GW-1 standard of 1960 ppb.

EDB = 1,2 Dibromoethane
DBCP= 1,2 Dibromo-3-chloropropane

Historical Groundwater Analytical Table
Drinking Water Wells
Verdondale Store Site
North Sutton, New Hampshire
NHDES # 19708016-LUST-WLP#3
All Concentrations in ppb

Rahilly Property (formerly Macpherson Well)

DATE SAMPLED	BENEZNE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE	TOTAL BTX	NAPHTHALENE	ALKYBENZENES	1,2,4-TRIMETHYL BENZENE	1,3,5-TRIMETHYL BENZENE	N-PROPYL BENZENE	N-BUTYL BENZENE	P-ISOPROPYL TOLUENE	TERT-BUTYL BENZENE	SEC-BUTYL BENZENE	CHLOROFORM	EDB	DBCP	Notes
2/24/1998	BDL	BDL	BDL	BDL	0	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
3/9/1999	BDL	BDL	BDL	BDL	2.9	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
7/1/1999	NS	NS	NS	NS	NS	NS	NS	NS	SPR	SPR	SPR	SPR	SPR	SPR	SPR	NS	NS	NS	
11/2/1999	BDL	2.6	BDL	BDL	5.2	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
4/11/2000	BDL	BDL	BDL	BDL	3.2	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
6/26/2000	BDL	BDL	BDL	BDL	4.4	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
9/3/2000	BDL	BDL	BDL	BDL	5.5	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
5/1/2001	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
7/2/2001	BDL	BDL	BDL	BDL	4.3	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
11/13/01	BDL	BDL	BDL	BDL	3.7	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
2/15/2002	BDL	BDL	BDL	BDL	2.2	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	0.36	NS	NS	
5/6/2002	BDL	BDL	BDL	BDL	2.1	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	0.36	NS	NS	1.1 ppb of chloroform
5/7/2003	BDL	BDL	BDL	BDL	1.8	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	0.57	NS	NS	
11/17/2003	BDL	BDL	BDL	BDL	1.4	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	0.26	NS	NS	
5/14/2004	BDL	BDL	BDL	BDL	0.91	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
11/4/2004	BDL	BDL	BDL	BDL	1.1	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
5/2/2005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
11/1/2005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
5/2/2006	BDL	BDL	BDL	BDL	0.41	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
8/3/2006	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
11/22/2006	BDL	BDL	BDL	BDL	0.5	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
4/3/2007	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
7/31/2007	BDL	BDL	BDL	BDL	0.3	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
11/7/2007	BDL	BDL	BDL	BDL	0.3	BDL	BDL	BDL	SPR	SPR	SPR	SPR	SPR	SPR	SPR	BDL	NS	NS	
5/19/2008	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/1/2008	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
5/6/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/9/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
5/28/2010	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/5/2010	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
5/4/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/5/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
5/9/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	NS	
5/8/2013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/1/2013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
5/28/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/1/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
4/29/2015	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
1/27/2016	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	0.57 ppb Carbon disulfide
4/8/2016	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
5/17/2017	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/2/2017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
5/1/2018	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/3/2018	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
4/30/2019	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/1/2019	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
5/5/2020	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
4/7/2021	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/6/2021	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
5/10/2022	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/13/2022	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
AGQS	5	1,000	700	10,000	13	NA	100	*1960	330	330	260	260	260	260	260	6	0.05	0.2	

McMahon Well																			
DATE SAMPLED	BENEZNE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE	TOTAL BTEX	NAPHTHALENE	ALKYBENZENES	1,2,4-TRIMETHYL BENZENE	1,3,5-TRIMETHYL BENZENE	N-PROPYL BENZENE	N-BUTYL BENZENE	P-ISOPROPYL TOLUENE	TERT-BUTYL BENZENE	SEC-BUTYL BENZENE	CHLOROFORM	EDB	DBCP	Notes
7/10/2008	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
10/1/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
5/6/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/9/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
5/28/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/5/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
5/4/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
10/5/2011	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
5/9/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	
5/8/2013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	
10/1/2013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	
5/28/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	
10/1/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	
4/29/2015	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
1/27/2016	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
4/8/2016	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	
5/17/2017	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/2/2017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	
5/1/2018	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/3/2018	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	
4/30/2019	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/1/2019	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	
10/5/2020	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	
4/7/2021	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/6/2021	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	
5/10/2022	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/13/2022	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Historical Groundwater Level Data
Verdondale Store
North Sutton, New Hampshire
NHDES # 19708016-LUST-WLP#3

DATE	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11
03/11/98	5.11	3.94	1.55	1.07	2.32	1.87	na	na	na	na	na
03/31/99	4.72	3.93		1.00	2.70	1.74	na	na	na	na	na
07/01/99	na	na	na	na	na	na	na	na	na	na	na
11/02/99	5.92	5.01	na	2.16	2.67	2.47	1.49	0.75	na	na	na
04/11/00	na	na	na	na	na	na	na	na	na	na	na
06/26/00	na	na	na	na	na	na	na	na	na	na	na
09/06/00	na	na	na	na	na	na	na	na	na	na	na
05/02/01	na	na	na	na	na	na	na	na	na	na	na
07/03/01	na	na	na	na	na	na	na	na	na	na	na
11/13/01	na	na	na	na	na	na	na	na	na	na	na
04/02/02	na	na	na	na	na	na	na	na	na	na	na
05/06/02	na	na	na	na	na	na	na	na	na	na	na
05/07/03	na	na	na	na	na	na	na	na	na	na	na
11/17/03	na	na	na	na	na	na	na	na	na	na	na
05/14/04	na	na	na	na	na	na	na	na	na	na	na
11/04/04	na	na	na	na	na	na	na	na	na	na	na
05/02/05	na	na	na	na	na	na	na	na	na	na	na
11/01/05	na	na	na	na	na	na	na	na	na	na	na
05/02/06	5.47	4.35	2.82	2.14	na	na	1.49	0.65	na	na	na
08/03/06	5.21	4.25	2.35	1.82	na	na	na	na	na	na	na
11/22/06	na	na	na	na	na	na	na	na	na	na	na
04/03/07	na	na	na	na	na	na	na	na	na	na	na
07/31/07	na	na	na	na	na	na	na	na	na	na	na
11/07/07	5.91	4.70	2.70	2.10	na	na	1.32	0.35	na	na	na
05/19/08	5.35	4.29	2.40	1.86	na	na	1.42	0.45	na	na	na
10/01/08	5.98	4.81	2.84	2.17	na	na	1.55	0.69	na	na	na
05/06/09	5.58	4.43	2.48	1.84	na	na	1.32	0.43	na	na	na
10/09/09	6.19	4.95	2.97	2.24	na	na	1.56	0.75	na	na	na
05/28/10	6.09	4.90	2.98	2.3	na	na	1.86	0.80	na	na	na
10/05/10	6.28	5.27	3.23	2.51	na	na	1.70	0.96	na	na	na
05/04/11	5.02	3.99	1.97	1.39	na	na	0.95	0.05	na	na	na
10/05/11	5.15	4.05	1.87	1.3	na	na	0.30	flooded	na	na	na
5/9/2012	5.58	4.42	2.45	1.86	na	na	1.37	flooded	na	na	na
10/11/2012	6.6	5.32	3.35	2.62	na	na	1.9	1.14	na	na	na
5/8/2013	6.01	4.85	2.96	2.2	na	na	1.74	0.89	na	na	na
10/1/2013	5.76	4.6	2.63	2.04	na	na	1.55	0.52	na	na	na
5/28/2014	5.76	4.45	2.32	1.65	na	na	1.19	0.19	na	na	na
10/1/2014	6.6	5.35	3.38	2.63	na	na	2.14	2.0	na	na	na
4/29/2015	5.32	4.29	2.37	1.75	na	na	1.41	0.31	na	na	na
1/27/2016	6.16	4.91	2.86	2.35	na	na	1.70	flooded-ice	na	na	na
4/8/2016	5.67	4.45	2.34	1.71	na	na	1.10	0.15	d	d	d
5/17/2017	5.10	4.00	R 0.85	R 1.06	d	R 1.97	0.81	flooded	na	na	na
10/2/2017	7.16	5.79	2.42	2.82	d	3.45	2.5	1.3	d	d	d
5/1/2018	4.45	4.25	1.18	1.71	d	na	1.36	0.3	d	d	d
10/3/2018	5.86	4.73	1.28	1.75	d	2.45	1.16	flooded	d	d	d
4/30/2019	4.77	3.95	0.74	1.13	d	damaged	1.05	flooded	d	d	d
10/1/2019	7.22	6.09	2.94	3.12	d	2.99	2.77	1.83	d	d	d
4/7/2021	5.34	4.42	1.44	1.68	d	2.61	1.5	0.41	d	d	d
10/6/2021	5.92	4.86	1.65	2	d	2.82	1.4	0.76	d	d	d
5/10/2022	5.38	4.37	1.63	1.77	d	2.65	1.61	0.65	d	d	d
10/13/2022	6.60	5.48	2.40	2.55	d	3.40	2.12	1.29	d	d	d

r=replaced d=decommissioned



ANALYTICAL REPORT

Lab Number:	L2257194
Client:	GS Environmental and Groundwater Assoc. P.O. Box 4247 Portsmouth, NH 03802
ATTN:	Gene Schrager
Phone:	(603) 812-5013
Project Name:	202204NH
Project Number:	202204NH
Report Date:	10/27/22

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: 202204NH

Project Number: 202204NH

Lab Number: L2257194

Report Date: 10/27/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2257194-01	MW-1	WATER	NORTH SUTTON, NH	10/13/22 11:00	10/13/22
L2257194-02	MW-2	WATER	NORTH SUTTON, NH	10/13/22 11:15	10/13/22
L2257194-03	MW-3	WATER	NORTH SUTTON, NH	10/13/22 12:00	10/13/22
L2257194-04	MW-4	WATER	NORTH SUTTON, NH	10/13/22 12:15	10/13/22
L2257194-05	MW-6	WATER	NORTH SUTTON, NH	10/13/22 11:30	10/13/22
L2257194-06	MW-7	WATER	NORTH SUTTON, NH	10/13/22 12:30	10/13/22
L2257194-07	MW-8	WATER	NORTH SUTTON, NH	10/13/22 12:45	10/13/22
L2257194-08	RAHILLY PROPERTY	DW	NORTH SUTTON, NH	10/13/22 13:00	10/13/22
L2257194-09	TRIP BLANK	WATER	NORTH SUTTON, NH	10/13/22 00:00	10/13/22

Project Name: 202204NH
Project Number: 202204NH

Lab Number: L2257194
Report Date: 10/27/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 202204NH
Project Number: 202204NH

Lab Number: L2257194
Report Date: 10/27/22

Case Narrative (continued)

Sample Receipt

L2257194-09: The analyses performed were specified by the client.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 10/27/22

ORGANICS

VOLATILES

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-01
 Client ID: MW-1
 Sample Location: NORTH SUTTON, NH

Date Collected: 10/13/22 11:00
 Date Received: 10/13/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 10/20/22 16:24
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-01

Date Collected: 10/13/22 11:00

Client ID: MW-1

Date Received: 10/13/22

Sample Location: NORTH SUTTON, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-01

Date Collected: 10/13/22 11:00

Client ID: MW-1

Date Received: 10/13/22

Sample Location: NORTH SUTTON, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	121		70-130

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-02
 Client ID: MW-2
 Sample Location: NORTH SUTTON, NH

Date Collected: 10/13/22 11:15
 Date Received: 10/13/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 10/20/22 16:48
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-02

Date Collected: 10/13/22 11:15

Client ID: MW-2

Date Received: 10/13/22

Sample Location: NORTH SUTTON, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	1.2		ug/l	0.50	--	1
sec-Butylbenzene	2.1		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	0.57		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	1.4		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-02

Date Collected: 10/13/22 11:15

Client ID: MW-2

Date Received: 10/13/22

Sample Location: NORTH SUTTON, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	3.2		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	112		70-130

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-03 D

Date Collected: 10/13/22 12:00

Client ID: MW-3

Date Received: 10/13/22

Sample Location: NORTH SUTTON, NH

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 10/20/22 15:11

Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	15	--	5
1,1-Dichloroethane	ND		ug/l	3.8	--	5
Chloroform	ND		ug/l	3.8	--	5
Carbon tetrachloride	ND		ug/l	2.5	--	5
1,2-Dichloropropane	ND		ug/l	8.8	--	5
Dibromochloromethane	ND		ug/l	2.5	--	5
1,1,2-Trichloroethane	ND		ug/l	3.8	--	5
Tetrachloroethene	ND		ug/l	2.5	--	5
Chlorobenzene	ND		ug/l	2.5	--	5
Trichlorofluoromethane	ND		ug/l	12	--	5
1,2-Dichloroethane	ND		ug/l	2.5	--	5
1,1,1-Trichloroethane	ND		ug/l	2.5	--	5
Bromodichloromethane	ND		ug/l	2.5	--	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	--	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	--	5
1,3-Dichloropropene, Total	ND		ug/l	2.5	--	5
1,1-Dichloropropene	ND		ug/l	12	--	5
Bromoform	ND		ug/l	10	--	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	--	5
Benzene	ND		ug/l	2.5	--	5
Toluene	33		ug/l	3.8	--	5
Ethylbenzene	260		ug/l	2.5	--	5
Chloromethane	ND		ug/l	12	--	5
Bromomethane	ND		ug/l	5.0	--	5
Vinyl chloride	ND		ug/l	5.0	--	5
Chloroethane	ND		ug/l	5.0	--	5
1,1-Dichloroethene	ND		ug/l	2.5	--	5
trans-1,2-Dichloroethene	ND		ug/l	3.8	--	5

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-03 D

Date Collected: 10/13/22 12:00

Client ID: MW-3

Date Received: 10/13/22

Sample Location: NORTH SUTTON, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	2.5	--	5
Trichloroethene	ND		ug/l	2.5	--	5
1,2-Dichlorobenzene	ND		ug/l	12	--	5
1,3-Dichlorobenzene	ND		ug/l	12	--	5
1,4-Dichlorobenzene	ND		ug/l	12	--	5
Methyl tert butyl ether	ND		ug/l	5.0	--	5
p/m-Xylene	1200		ug/l	5.0	--	5
o-Xylene	280		ug/l	5.0	--	5
Xylenes, Total	1500		ug/l	5.0	--	5
cis-1,2-Dichloroethene	ND		ug/l	2.5	--	5
Dibromomethane	ND		ug/l	25	--	5
1,2,3-Trichloropropane	ND		ug/l	25	--	5
Styrene	ND		ug/l	5.0	--	5
Dichlorodifluoromethane	ND		ug/l	25	--	5
Acetone	ND		ug/l	25	--	5
Carbon disulfide	ND		ug/l	25	--	5
2-Butanone	ND		ug/l	25	--	5
4-Methyl-2-pentanone	ND		ug/l	25	--	5
2-Hexanone	ND		ug/l	25	--	5
Bromochloromethane	ND		ug/l	12	--	5
Tetrahydrofuran	ND		ug/l	25	--	5
2,2-Dichloropropane	ND		ug/l	12	--	5
1,2-Dibromoethane	ND		ug/l	10	--	5
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	--	5
Bromobenzene	ND		ug/l	12	--	5
n-Butylbenzene	7.7		ug/l	2.5	--	5
sec-Butylbenzene	7.0		ug/l	2.5	--	5
tert-Butylbenzene	ND		ug/l	12	--	5
o-Chlorotoluene	ND		ug/l	12	--	5
p-Chlorotoluene	ND		ug/l	12	--	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	--	5
Hexachlorobutadiene	ND		ug/l	2.5	--	5
Isopropylbenzene	35		ug/l	2.5	--	5
p-Isopropyltoluene	ND		ug/l	2.5	--	5
Naphthalene	39		ug/l	12	--	5
n-Propylbenzene	97		ug/l	2.5	--	5
1,2,3-Trichlorobenzene	ND		ug/l	12	--	5

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-03 D

Date Collected: 10/13/22 12:00

Client ID: MW-3

Date Received: 10/13/22

Sample Location: NORTH SUTTON, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	12	--	5
1,3,5-Trimethylbenzene	150		ug/l	12	--	5
1,3,5-Trichlorobenzene	ND		ug/l	10	--	5
1,2,4-Trimethylbenzene	570		ug/l	12	--	5
Ethyl ether	ND		ug/l	12	--	5
Isopropyl Ether	ND		ug/l	10	--	5
Tert-Butyl Alcohol	ND		ug/l	50	--	5
Ethyl-Tert-Butyl-Ether	ND		ug/l	10	--	5
Tertiary-Amyl Methyl Ether	ND		ug/l	10	--	5
1,4-Dioxane	ND		ug/l	1200	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	94		70-130

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-04
 Client ID: MW-4
 Sample Location: NORTH SUTTON, NH

Date Collected: 10/13/22 12:15
 Date Received: 10/13/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 10/20/22 15:59
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-04

Date Collected: 10/13/22 12:15

Client ID: MW-4

Date Received: 10/13/22

Sample Location: NORTH SUTTON, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	7.8		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	7.8		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	0.88		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-04

Date Collected: 10/13/22 12:15

Client ID: MW-4

Date Received: 10/13/22

Sample Location: NORTH SUTTON, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	7.4		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-05
 Client ID: MW-6
 Sample Location: NORTH SUTTON, NH

Date Collected: 10/13/22 11:30
 Date Received: 10/13/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 10/20/22 16:23
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-05

Date Collected: 10/13/22 11:30

Client ID: MW-6

Date Received: 10/13/22

Sample Location: NORTH SUTTON, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-05

Date Collected: 10/13/22 11:30

Client ID: MW-6

Date Received: 10/13/22

Sample Location: NORTH SUTTON, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	95		70-130

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-06
 Client ID: MW-7
 Sample Location: NORTH SUTTON, NH

Date Collected: 10/13/22 12:30
 Date Received: 10/13/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 10/20/22 16:47
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-06

Date Collected: 10/13/22 12:30

Client ID: MW-7

Date Received: 10/13/22

Sample Location: NORTH SUTTON, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-06

Date Collected: 10/13/22 12:30

Client ID: MW-7

Date Received: 10/13/22

Sample Location: NORTH SUTTON, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-07 D

Date Collected: 10/13/22 12:45

Client ID: MW-8

Date Received: 10/13/22

Sample Location: NORTH SUTTON, NH

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 10/20/22 15:35

Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	15	--	5
1,1-Dichloroethane	ND		ug/l	3.8	--	5
Chloroform	ND		ug/l	3.8	--	5
Carbon tetrachloride	ND		ug/l	2.5	--	5
1,2-Dichloropropane	ND		ug/l	8.8	--	5
Dibromochloromethane	ND		ug/l	2.5	--	5
1,1,2-Trichloroethane	ND		ug/l	3.8	--	5
Tetrachloroethene	ND		ug/l	2.5	--	5
Chlorobenzene	ND		ug/l	2.5	--	5
Trichlorofluoromethane	ND		ug/l	12	--	5
1,2-Dichloroethane	ND		ug/l	2.5	--	5
1,1,1-Trichloroethane	ND		ug/l	2.5	--	5
Bromodichloromethane	ND		ug/l	2.5	--	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	--	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	--	5
1,3-Dichloropropene, Total	ND		ug/l	2.5	--	5
1,1-Dichloropropene	ND		ug/l	12	--	5
Bromoform	ND		ug/l	10	--	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	--	5
Benzene	3.9		ug/l	2.5	--	5
Toluene	28		ug/l	3.8	--	5
Ethylbenzene	120		ug/l	2.5	--	5
Chloromethane	ND		ug/l	12	--	5
Bromomethane	ND		ug/l	5.0	--	5
Vinyl chloride	ND		ug/l	5.0	--	5
Chloroethane	ND		ug/l	5.0	--	5
1,1-Dichloroethene	ND		ug/l	2.5	--	5
trans-1,2-Dichloroethene	ND		ug/l	3.8	--	5

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-07 D

Date Collected: 10/13/22 12:45

Client ID: MW-8

Date Received: 10/13/22

Sample Location: NORTH SUTTON, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	2.5	--	5
Trichloroethene	ND		ug/l	2.5	--	5
1,2-Dichlorobenzene	ND		ug/l	12	--	5
1,3-Dichlorobenzene	ND		ug/l	12	--	5
1,4-Dichlorobenzene	ND		ug/l	12	--	5
Methyl tert butyl ether	ND		ug/l	5.0	--	5
p/m-Xylene	1400		ug/l	5.0	--	5
o-Xylene	54		ug/l	5.0	--	5
Xylenes, Total	1500		ug/l	5.0	--	5
cis-1,2-Dichloroethene	ND		ug/l	2.5	--	5
Dibromomethane	ND		ug/l	25	--	5
1,2,3-Trichloropropane	ND		ug/l	25	--	5
Styrene	ND		ug/l	5.0	--	5
Dichlorodifluoromethane	ND		ug/l	25	--	5
Acetone	ND		ug/l	25	--	5
Carbon disulfide	ND		ug/l	25	--	5
2-Butanone	ND		ug/l	25	--	5
4-Methyl-2-pentanone	ND		ug/l	25	--	5
2-Hexanone	ND		ug/l	25	--	5
Bromochloromethane	ND		ug/l	12	--	5
Tetrahydrofuran	ND		ug/l	25	--	5
2,2-Dichloropropane	ND		ug/l	12	--	5
1,2-Dibromoethane	ND		ug/l	10	--	5
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	--	5
Bromobenzene	ND		ug/l	12	--	5
n-Butylbenzene	ND		ug/l	2.5	--	5
sec-Butylbenzene	ND		ug/l	2.5	--	5
tert-Butylbenzene	ND		ug/l	12	--	5
o-Chlorotoluene	ND		ug/l	12	--	5
p-Chlorotoluene	ND		ug/l	12	--	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	--	5
Hexachlorobutadiene	ND		ug/l	2.5	--	5
Isopropylbenzene	24		ug/l	2.5	--	5
p-Isopropyltoluene	ND		ug/l	2.5	--	5
Naphthalene	44		ug/l	12	--	5
n-Propylbenzene	38		ug/l	2.5	--	5
1,2,3-Trichlorobenzene	ND		ug/l	12	--	5

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-07 D

Date Collected: 10/13/22 12:45

Client ID: MW-8

Date Received: 10/13/22

Sample Location: NORTH SUTTON, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	12	--	5
1,3,5-Trimethylbenzene	140		ug/l	12	--	5
1,3,5-Trichlorobenzene	ND		ug/l	10	--	5
1,2,4-Trimethylbenzene	580		ug/l	12	--	5
Ethyl ether	ND		ug/l	12	--	5
Isopropyl Ether	ND		ug/l	10	--	5
Tert-Butyl Alcohol	ND		ug/l	50	--	5
Ethyl-Tert-Butyl-Ether	ND		ug/l	10	--	5
Tertiary-Amyl Methyl Ether	ND		ug/l	10	--	5
1,4-Dioxane	ND		ug/l	1200	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-08
 Client ID: RAHILLY PROPERTY
 Sample Location: NORTH SUTTON, NH

Date Collected: 10/13/22 13:00
 Date Received: 10/13/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Dw
 Analytical Method: 16,524.2
 Analytical Date: 10/17/22 13:35
 Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	0.50	--	1
Vinyl chloride	ND		ug/l	0.50	--	1
Bromomethane	ND		ug/l	0.50	--	1
Chloroethane	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	0.50	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
Methylene chloride	ND		ug/l	0.50	--	1
Methyl tert butyl ether	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	--	1
1,1-Dichloroethane	ND		ug/l	0.50	--	1
2,2-Dichloropropane	ND		ug/l	0.50	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Chloroform	ND		ug/l	0.50	--	1
Bromochloromethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	0.50	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.50	--	1

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-08
 Client ID: RAHILLY PROPERTY
 Sample Location: NORTH SUTTON, NH

Date Collected: 10/13/22 13:00
 Date Received: 10/13/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichloropropane	ND		ug/l	0.50	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,2-Dibromoethane	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
p/m-Xylene	ND		ug/l	0.50	--	1
o-Xylene	ND		ug/l	0.50	--	1
Styrene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	0.50	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Xylenes, Total ¹	ND		ug/l	0.50	--	1
1,2,3-Trichloropropane	ND		ug/l	0.50	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	0.50	--	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	--	1
o-Chlorotoluene	ND		ug/l	0.50	--	1
p-Chlorotoluene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	0.50	--	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
1,3-Dichlorobenzene	ND		ug/l	0.50	--	1
1,4-Dichlorobenzene	ND		ug/l	0.50	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	0.50	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	--	1

Project Name: 202204NH**Lab Number:** L2257194**Project Number:** 202204NH**Report Date:** 10/27/22**SAMPLE RESULTS**

Lab ID: L2257194-08
Client ID: RAHILLY PROPERTY
Sample Location: NORTH SUTTON, NH

Date Collected: 10/13/22 13:00
Date Received: 10/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	109		80-120
4-Bromofluorobenzene	96		80-120

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-09
 Client ID: TRIP BLANK
 Sample Location: NORTH SUTTON, NH

Date Collected: 10/13/22 00:00
 Date Received: 10/13/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 10/26/22 13:27
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-09
 Client ID: TRIP BLANK
 Sample Location: NORTH SUTTON, NH

Date Collected: 10/13/22 00:00
 Date Received: 10/13/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

SAMPLE RESULTS

Lab ID: L2257194-09

Date Collected: 10/13/22 00:00

Client ID: TRIP BLANK

Date Received: 10/13/22

Sample Location: NORTH SUTTON, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

Method Blank Analysis Batch Quality Control

Analytical Method: 16,524.2
 Analytical Date: 10/17/22 11:31
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1701558-4					
Dichlorodifluoromethane	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	0.50	--
Vinyl chloride	ND		ug/l	0.50	--
Bromomethane	ND		ug/l	0.50	--
Chloroethane	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	0.50	--
1,1-Dichloroethene	ND		ug/l	0.50	--
Methylene chloride	ND		ug/l	0.50	--
Methyl tert butyl ether	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.50	--
1,1-Dichloroethane	ND		ug/l	0.50	--
2,2-Dichloropropane	ND		ug/l	0.50	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Chloroform	ND		ug/l	0.50	--
Bromochloromethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	0.50	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.50	--
1,3-Dichloropropane	ND		ug/l	0.50	--

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

Method Blank Analysis Batch Quality Control

Analytical Method: 16,524.2
 Analytical Date: 10/17/22 11:31
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1701558-4					
Tetrachloroethene	ND		ug/l	0.50	--
Dibromochloromethane	ND		ug/l	0.50	--
1,2-Dibromoethane	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Ethylbenzene	ND		ug/l	0.50	--
p/m-Xylene	ND		ug/l	0.50	--
o-Xylene	ND		ug/l	0.50	--
Styrene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
Bromoform	ND		ug/l	0.50	--
Xylenes, Total ¹	ND		ug/l	0.50	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
1,2,3-Trichloropropane	ND		ug/l	0.50	--
n-Propylbenzene	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	0.50	--
1,3,5-Trimethylbenzene	ND		ug/l	0.50	--
o-Chlorotoluene	ND		ug/l	0.50	--
p-Chlorotoluene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	0.50	--
1,2,4-Trimethylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
1,3-Dichlorobenzene	ND		ug/l	0.50	--
1,4-Dichlorobenzene	ND		ug/l	0.50	--
n-Butylbenzene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	0.50	--
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	--
1,2,4-Trichlorobenzene	ND		ug/l	0.50	--

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

Method Blank Analysis Batch Quality Control

Analytical Method: 16,524.2
 Analytical Date: 10/17/22 11:31
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1701558-4					
Hexachlorobutadiene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	0.50	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	108		80-120
4-Bromofluorobenzene	100		80-120

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 10/20/22 09:15
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-07 Batch: WG1703105-5					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
1,2-Dichloroethene, Total	ND		ug/l	0.50	--

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 10/20/22 09:15
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-07 Batch: WG1703105-5					
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 10/20/22 09:15
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-07 Batch: WG1703105-5					
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Isopropyl Ether	ND		ug/l	2.0	--
Tert-Butyl Alcohol	ND		ug/l	10	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 10/20/22 08:59
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1703127-5					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
1,2-Dichloroethene, Total	ND		ug/l	0.50	--

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 10/20/22 08:59
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1703127-5					
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--

Project Name: 202204NH
Project Number: 202204NH

Lab Number: L2257194
Report Date: 10/27/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/20/22 08:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1703127-5					
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Isopropyl Ether	ND		ug/l	2.0	--
Tert-Butyl Alcohol	ND		ug/l	10	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	117		70-130

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D

Analytical Date: 10/26/22 08:43

Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1704617-5					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
1,2-Dichloroethene, Total	ND		ug/l	0.50	--

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D

Analytical Date: 10/26/22 08:43

Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1704617-5					
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 10/26/22 08:43
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1704617-5					
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Isopropyl Ether	ND		ug/l	2.0	--
Tert-Butyl Alcohol	ND		ug/l	10	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 202204NH

Project Number: 202204NH

Lab Number: L2257194

Report Date: 10/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1701558-3								
Dichlorodifluoromethane	170	Q	-		70-130	-		20
Chloromethane	132	Q	-		70-130	-		20
Vinyl chloride	120		-		70-130	-		20
Bromomethane	72		-		70-130	-		20
Chloroethane	120		-		70-130	-		20
Trichlorofluoromethane	110		-		70-130	-		20
1,1-Dichloroethene	112		-		70-130	-		20
Methylene chloride	118		-		70-130	-		20
Methyl tert butyl ether	112		-		70-130	-		20
trans-1,2-Dichloroethene	110		-		70-130	-		20
1,1-Dichloroethane	112		-		70-130	-		20
2,2-Dichloropropane	125		-		70-130	-		20
cis-1,2-Dichloroethene	110		-		70-130	-		20
Chloroform	118		-		70-130	-		20
Bromochloromethane	125		-		70-130	-		20
1,1,1-Trichloroethane	110		-		70-130	-		20
1,1-Dichloropropene	110		-		70-130	-		20
Carbon tetrachloride	120		-		70-130	-		20
1,2-Dichloroethane	112		-		70-130	-		20
Benzene	128		-		70-130	-		20
Trichloroethene	115		-		70-130	-		20
1,2-Dichloropropane	120		-		70-130	-		20
Bromodichloromethane	120		-		70-130	-		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 202204NH

Project Number: 202204NH

Lab Number: L2257194

Report Date: 10/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1701558-3								
Dibromomethane	110		-		70-130	-		20
cis-1,3-Dichloropropene	125		-		70-130	-		20
Toluene	115		-		70-130	-		20
trans-1,3-Dichloropropene	130		-		70-130	-		20
1,1,2-Trichloroethane	120		-		70-130	-		20
1,3-Dichloropropane	122		-		70-130	-		20
Tetrachloroethene	110		-		70-130	-		20
Dibromochloromethane	125		-		70-130	-		20
1,2-Dibromoethane	115		-		70-130	-		20
Chlorobenzene	102		-		70-130	-		20
1,1,1,2-Tetrachloroethane	100		-		70-130	-		20
Ethylbenzene	95		-		70-130	-		20
p/m-Xylene	101		-		70-130	-		20
o-Xylene	98		-		70-130	-		20
Styrene	105		-		70-130	-		20
Isopropylbenzene	95		-		70-130	-		20
Bromoform	115		-		70-130	-		20
1,1,2,2-Tetrachloroethane	105		-		70-130	-		20
1,2,3-Trichloropropane	102		-		70-130	-		20
n-Propylbenzene	98		-		70-130	-		20
Bromobenzene	102		-		70-130	-		20
1,3,5-Trimethylbenzene	98		-		70-130	-		20
o-Chlorotoluene	102		-		70-130	-		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 202204NH

Project Number: 202204NH

Lab Number: L2257194

Report Date: 10/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1701558-3								
p-Chlorotoluene	105		-		70-130	-		20
tert-Butylbenzene	98		-		70-130	-		20
1,2,4-Trimethylbenzene	100		-		70-130	-		20
sec-Butylbenzene	98		-		70-130	-		20
p-Isopropyltoluene	98		-		70-130	-		20
1,3-Dichlorobenzene	102		-		70-130	-		20
1,4-Dichlorobenzene	98		-		70-130	-		20
n-Butylbenzene	90		-		70-130	-		20
1,2-Dichlorobenzene	98		-		70-130	-		20
1,2-Dibromo-3-chloropropane	95		-		70-130	-		20
1,2,4-Trichlorobenzene	88		-		70-130	-		20
Hexachlorobutadiene	92		-		70-130	-		20
Naphthalene	88		-		70-130	-		20
1,2,3-Trichlorobenzene	92		-		70-130	-		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichlorobenzene-d4	103				80-120
4-Bromofluorobenzene	104				80-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 202204NH

Project Number: 202204NH

Lab Number: L2257194

Report Date: 10/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-07 Batch: WG1703105-3 WG1703105-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	99		100		63-132	1		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	96		97		63-130	1		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		25
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	98		100		67-130	2		20
trans-1,3-Dichloropropene	97		99		70-130	2		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	88		90		54-136	2		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	110		110		70-130	0		25
Toluene	100		100		70-130	0		25
Ethylbenzene	100		100		70-130	0		20
Chloromethane	91		92		64-130	1		20
Bromomethane	40		43		39-139	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 202204NH

Project Number: 202204NH

Lab Number: L2257194

Report Date: 10/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-07 Batch: WG1703105-3 WG1703105-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	100		100		61-145	0		25
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	98		100		70-130	2		25
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	97		100		63-130	3		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	95		98		64-130	3		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	97		97		36-147	0		20
Acetone	91		97		58-148	6		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	91		98		63-138	7		20
4-Methyl-2-pentanone	91		97		59-130	6		20
2-Hexanone	87		94		57-130	8		20
Bromochloromethane	110		110		70-130	0		20
Tetrahydrofuran	100		110		58-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 202204NH

Project Number: 202204NH

Lab Number: L2257194

Report Date: 10/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-07 Batch: WG1703105-3 WG1703105-4								
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	99		100		70-130	1		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	78		83		41-144	6		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	82		89		70-130	8		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	86		92		70-130	7		20
1,2,4-Trichlorobenzene	95		100		70-130	5		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,3,5-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
Ethyl ether	100		100		59-134	0		20
Isopropyl Ether	120		120		70-130	0		20
Tert-Butyl Alcohol	88		96		70-130	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-07 Batch: WG1703105-3 WG1703105-4								
Ethyl-Tert-Butyl-Ether	110		110		70-130	0		20
Tertiary-Amyl Methyl Ether	100		110		66-130	10		20
1,4-Dioxane	98		106		56-162	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 202204NH

Project Number: 202204NH

Lab Number: L2257194

Report Date: 10/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1703127-3 WG1703127-4								
Methylene chloride	95		94		70-130	1		20
1,1-Dichloroethane	90		90		70-130	0		20
Chloroform	94		92		70-130	2		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	86		86		70-130	0		20
Dibromochloromethane	93		94		63-130	1		20
1,1,2-Trichloroethane	87		86		70-130	1		20
Tetrachloroethene	92		92		70-130	0		20
Chlorobenzene	91		90		75-130	1		25
Trichlorofluoromethane	88		86		62-150	2		20
1,2-Dichloroethane	87		85		70-130	2		20
1,1,1-Trichloroethane	97		96		67-130	1		20
Bromodichloromethane	94		92		67-130	2		20
trans-1,3-Dichloropropene	84		85		70-130	1		20
cis-1,3-Dichloropropene	90		89		70-130	1		20
1,1-Dichloropropene	91		90		70-130	1		20
Bromoform	82		84		54-136	2		20
1,1,2,2-Tetrachloroethane	78		78		67-130	0		20
Benzene	94		92		70-130	2		25
Toluene	87		85		70-130	2		25
Ethylbenzene	84		82		70-130	2		20
Chloromethane	76		74		64-130	3		20
Bromomethane	47		47		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1703127-3 WG1703127-4								
Vinyl chloride	90		87		55-140	3		20
Chloroethane	93		99		55-138	6		20
1,1-Dichloroethene	99		100		61-145	1		25
trans-1,2-Dichloroethene	97		96		70-130	1		20
Trichloroethene	92		94		70-130	2		25
1,2-Dichlorobenzene	87		88		70-130	1		20
1,3-Dichlorobenzene	88		86		70-130	2		20
1,4-Dichlorobenzene	85		86		70-130	1		20
Methyl tert butyl ether	82		81		63-130	1		20
p/m-Xylene	85		85		70-130	0		20
o-Xylene	80		80		70-130	0		20
cis-1,2-Dichloroethene	96		96		70-130	0		20
Dibromomethane	95		98		70-130	3		20
1,2,3-Trichloropropane	80		77		64-130	4		20
Styrene	90		85		70-130	6		20
Dichlorodifluoromethane	82		82		36-147	0		20
Acetone	78		87		58-148	11		20
Carbon disulfide	96		94		51-130	2		20
2-Butanone	81		78		63-138	4		20
4-Methyl-2-pentanone	64		67		59-130	5		20
2-Hexanone	57		60		57-130	5		20
Bromochloromethane	110		110		70-130	0		20
Tetrahydrofuran	86		88		58-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 202204NH

Project Number: 202204NH

Lab Number: L2257194

Report Date: 10/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1703127-3 WG1703127-4								
2,2-Dichloropropane	94		91		63-133	3		20
1,2-Dibromoethane	88		90		70-130	2		20
1,1,1,2-Tetrachloroethane	92		89		64-130	3		20
Bromobenzene	86		87		70-130	1		20
n-Butylbenzene	83		80		53-136	4		20
sec-Butylbenzene	84		83		70-130	1		20
tert-Butylbenzene	84		84		70-130	0		20
o-Chlorotoluene	83		83		70-130	0		20
p-Chlorotoluene	81		80		70-130	1		20
1,2-Dibromo-3-chloropropane	84		86		41-144	2		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	80		80		70-130	0		20
p-Isopropyltoluene	85		84		70-130	1		20
Naphthalene	78		82		70-130	5		20
n-Propylbenzene	81		80		69-130	1		20
1,2,3-Trichlorobenzene	88		90		70-130	2		20
1,2,4-Trichlorobenzene	86		89		70-130	3		20
1,3,5-Trimethylbenzene	79		79		64-130	0		20
1,3,5-Trichlorobenzene	90		90		70-130	0		20
1,2,4-Trimethylbenzene	79		79		70-130	0		20
Ethyl ether	87		87		59-134	0		20
Isopropyl Ether	77		77		70-130	0		20
Tert-Butyl Alcohol	78		88		70-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1703127-3 WG1703127-4								
Ethyl-Tert-Butyl-Ether	71		71		70-130	0		20
Tertiary-Amyl Methyl Ether	74		74		66-130	0		20
1,4-Dioxane	130		138		56-162	6		20

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	112		110		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 202204NH

Project Number: 202204NH

Lab Number: L2257194

Report Date: 10/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1704617-3 WG1704617-4								
Methylene chloride	94		93		70-130	1		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	98		98		70-130	0		20
Carbon tetrachloride	92		94		63-132	2		20
1,2-Dichloropropane	98		100		70-130	2		20
Dibromochloromethane	92		92		63-130	0		20
1,1,2-Trichloroethane	99		99		70-130	0		20
Tetrachloroethene	97		100		70-130	3		20
Chlorobenzene	99		99		75-130	0		25
Trichlorofluoromethane	95		97		62-150	2		20
1,2-Dichloroethane	96		94		70-130	2		20
1,1,1-Trichloroethane	95		96		67-130	1		20
Bromodichloromethane	91		89		67-130	2		20
trans-1,3-Dichloropropene	94		93		70-130	1		20
cis-1,3-Dichloropropene	92		92		70-130	0		20
1,1-Dichloropropene	98		100		70-130	2		20
Bromoform	86		87		54-136	1		20
1,1,2,2-Tetrachloroethane	100		99		67-130	1		20
Benzene	99		99		70-130	0		25
Toluene	100		100		70-130	0		25
Ethylbenzene	98		99		70-130	1		20
Chloromethane	76		77		64-130	1		20
Bromomethane	29	Q	35	Q	39-139	19		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 202204NH

Project Number: 202204NH

Lab Number: L2257194

Report Date: 10/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1704617-3 WG1704617-4								
Vinyl chloride	98		99		55-140	1		20
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	95		97		61-145	2		25
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	91		92		70-130	1		25
1,2-Dichlorobenzene	98		100		70-130	2		20
1,3-Dichlorobenzene	98		99		70-130	1		20
1,4-Dichlorobenzene	97		99		70-130	2		20
Methyl tert butyl ether	93		92		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	96		98		70-130	2		20
Dibromomethane	96		97		70-130	1		20
1,2,3-Trichloropropane	94		94		64-130	0		20
Styrene	90		95		70-130	5		20
Dichlorodifluoromethane	87		88		36-147	1		20
Acetone	75		76		58-148	1		20
Carbon disulfide	69		68		51-130	1		20
2-Butanone	88		84		63-138	5		20
4-Methyl-2-pentanone	91		87		59-130	4		20
2-Hexanone	90		91		57-130	1		20
Bromochloromethane	100		100		70-130	0		20
Tetrahydrofuran	100		99		58-130	1		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 202204NH

Project Number: 202204NH

Lab Number: L2257194

Report Date: 10/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1704617-3 WG1704617-4								
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	96		96		70-130	0		20
1,1,1,2-Tetrachloroethane	94		94		64-130	0		20
Bromobenzene	98		99		70-130	1		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	99		100		70-130	1		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	98		99		70-130	1		20
1,2-Dibromo-3-chloropropane	77		82		41-144	6		20
Hexachlorobutadiene	94		100		63-130	6		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	99		100		70-130	1		20
Naphthalene	81		89		70-130	9		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	85		90		70-130	6		20
1,2,4-Trichlorobenzene	89		97		70-130	9		20
1,3,5-Trimethylbenzene	98		98		64-130	0		20
1,3,5-Trichlorobenzene	98		100		70-130	2		20
1,2,4-Trimethylbenzene	98		100		70-130	2		20
Ethyl ether	96		96		59-134	0		20
Isopropyl Ether	110		110		70-130	0		20
Tert-Butyl Alcohol	82		90		70-130	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 202204NH

Lab Number: L2257194

Project Number: 202204NH

Report Date: 10/27/22

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1704617-3 WG1704617-4								
Ethyl-Tert-Butyl-Ether	100		100		70-130	0		20
Tertiary-Amyl Methyl Ether	94		95		66-130	1		20
1,4-Dioxane	92		98		56-162	6		20

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	100		99		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 202204NH

Project Number: 202204NH

Lab Number: L2257194

Report Date: 10/27/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1701558-10 QC Sample: L2257330-01 Client ID: MS Sample												
Dichlorodifluoromethane	ND	4	7.7	193	Q	-	-		70-130	-		20
Chloromethane	ND	4	6.0	150	Q	-	-		70-130	-		20
Vinyl chloride	ND	4	5.3	133	Q	-	-		70-130	-		20
Bromomethane	ND	4	3.2	80		-	-		70-130	-		20
Chloroethane	ND	4	5.3	133	Q	-	-		70-130	-		20
Trichlorofluoromethane	ND	4	5.1	128		-	-		70-130	-		20
1,1-Dichloroethene	ND	4	5.1	128		-	-		70-130	-		20
Methylene chloride	ND	4	4.6	115		-	-		70-130	-		20
Methyl tert butyl ether	ND	4	4.7	118		-	-		70-130	-		20
trans-1,2-Dichloroethene	ND	4	5.0	125		-	-		70-130	-		20
1,1-Dichloroethane	ND	4	4.8	120		-	-		70-130	-		20
2,2-Dichloropropane	ND	4	5.4	135	Q	-	-		70-130	-		20
cis-1,2-Dichloroethene	ND	4	4.5	113		-	-		70-130	-		20
Chloroform	ND	4	5.0	125		-	-		70-130	-		20
Bromochloromethane	ND	4	4.9	123		-	-		70-130	-		20
1,1,1-Trichloroethane	ND	4	4.9	123		-	-		70-130	-		20
1,1-Dichloropropene	ND	4	4.9	123		-	-		70-130	-		20
Carbon tetrachloride	ND	4	5.3	133	Q	-	-		70-130	-		20
1,2-Dichloroethane	ND	4	4.6	115		-	-		70-130	-		20
Benzene	ND	4	5.4	135	Q	-	-		70-130	-		20
Trichloroethene	ND	4	5.0	125		-	-		70-130	-		20
1,2-Dichloropropane	ND	4	5.1	128		-	-		70-130	-		20
Bromodichloromethane	ND	4	4.9	123		-	-		70-130	-		20
Dibromomethane	ND	4	4.8	120		-	-		70-130	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 202204NH

Project Number: 202204NH

Lab Number: L2257194

Report Date: 10/27/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1701558-10 QC Sample: L2257330-01 Client ID: MS Sample												
cis-1,3-Dichloropropene	ND	4	5.0	125		-	-		70-130	-		20
Toluene	ND	4	4.9	123		-	-		70-130	-		20
trans-1,3-Dichloropropene	ND	4	5.1	128		-	-		70-130	-		20
1,1,2-Trichloroethane	ND	4	4.9	123		-	-		70-130	-		20
1,3-Dichloropropane	ND	4	4.9	123		-	-		70-130	-		20
Tetrachloroethene	ND	4	5.0	125		-	-		70-130	-		20
Dibromochloromethane	ND	4	5.0	125		-	-		70-130	-		20
1,2-Dibromoethane	ND	4	4.7	118		-	-		70-130	-		20
Chlorobenzene	ND	4	4.2	105		-	-		70-130	-		20
1,1,1,2-Tetrachloroethane	ND	4	4.1	103		-	-		70-130	-		20
Ethylbenzene	ND	4	4.1	103		-	-		70-130	-		20
p/m-Xylene	ND	8	8.6	108		-	-		70-130	-		20
o-Xylene	ND	4	4.0	100		-	-		70-130	-		20
Styrene	ND	4	4.2	105		-	-		70-130	-		20
Isopropylbenzene	ND	4	4.1	103		-	-		70-130	-		20
Bromoform	ND	4	4.5	113		-	-		70-130	-		20
1,1,2,2-Tetrachloroethane	ND	4	4.1	103		-	-		70-130	-		20
1,2,3-Trichloropropane	ND	4	4.0	100		-	-		70-130	-		20
n-Propylbenzene	ND	4	4.2	105		-	-		70-130	-		20
Bromobenzene	ND	4	4.2	105		-	-		70-130	-		20
1,3,5-Trimethylbenzene	ND	4	4.2	105		-	-		70-130	-		20
o-Chlorotoluene	ND	4	4.3	108		-	-		70-130	-		20
p-Chlorotoluene	ND	4	4.4	110		-	-		70-130	-		20
tert-Butylbenzene	ND	4	4.2	105		-	-		70-130	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 202204NH

Project Number: 202204NH

Lab Number: L2257194

Report Date: 10/27/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1701558-10 QC Sample: L2257330-01 Client ID: MS Sample												
1,2,4-Trimethylbenzene	ND	4	4.2	105		-	-		70-130	-		20
sec-Butylbenzene	ND	4	4.2	105		-	-		70-130	-		20
p-Isopropyltoluene	ND	4	4.2	105		-	-		70-130	-		20
1,3-Dichlorobenzene	ND	4	4.2	105		-	-		70-130	-		20
1,4-Dichlorobenzene	ND	4	3.8	95		-	-		70-130	-		20
n-Butylbenzene	ND	4	3.8	95		-	-		70-130	-		20
1,2-Dichlorobenzene	ND	4	3.8	95		-	-		70-130	-		20
1,2-Dibromo-3-chloropropane	ND	4	3.6	90		-	-		70-130	-		20
1,2,4-Trichlorobenzene	ND	4	3.5	88		-	-		70-130	-		20
Hexachlorobutadiene	ND	4	3.9	98		-	-		70-130	-		20
Naphthalene	ND	4	3.4	85		-	-		70-130	-		20
1,2,3-Trichlorobenzene	ND	4	3.6	90		-	-		70-130	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	104				80-120
4-Bromofluorobenzene	104				80-120

Lab Duplicate Analysis Batch Quality Control

Project Name: 202204NH

Project Number: 202204NH

Lab Number: L2257194

Report Date: 10/27/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1701558-5 QC Sample: L2256838-01 Client ID: DUP Sample						
Dichlorodifluoromethane	ND	ND	ug/l	NC		20
Chloromethane	ND	ND	ug/l	NC		20
Vinyl chloride	ND	ND	ug/l	NC		20
Bromomethane	ND	ND	ug/l	NC		20
Chloroethane	ND	ND	ug/l	NC		20
Trichlorofluoromethane	ND	ND	ug/l	NC		20
1,1-Dichloroethene	ND	ND	ug/l	NC		20
Methylene chloride	ND	ND	ug/l	NC		20
Methyl tert butyl ether	ND	ND	ug/l	NC		20
trans-1,2-Dichloroethene	ND	ND	ug/l	NC		20
1,1-Dichloroethane	ND	ND	ug/l	NC		20
2,2-Dichloropropane	ND	ND	ug/l	NC		20
cis-1,2-Dichloroethene	ND	ND	ug/l	NC		20
Chloroform	ND	ND	ug/l	NC		20
Bromochloromethane	ND	ND	ug/l	NC		20
1,1,1-Trichloroethane	ND	ND	ug/l	NC		20
1,1-Dichloropropene	ND	ND	ug/l	NC		20
Carbon tetrachloride	ND	ND	ug/l	NC		20
1,2-Dichloroethane	ND	ND	ug/l	NC		20
Benzene	ND	ND	ug/l	NC		20
Trichloroethene	ND	ND	ug/l	NC		20

Lab Duplicate Analysis Batch Quality Control

Project Name: 202204NH

Project Number: 202204NH

Lab Number: L2257194

Report Date: 10/27/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1701558-5 QC Sample: L2256838-01 Client ID: DUP Sample						
1,2-Dichloropropane	ND	ND	ug/l	NC		20
Bromodichloromethane	ND	ND	ug/l	NC		20
Dibromomethane	ND	ND	ug/l	NC		20
cis-1,3-Dichloropropene	ND	ND	ug/l	NC		20
Toluene	ND	ND	ug/l	NC		20
trans-1,3-Dichloropropene	ND	ND	ug/l	NC		20
1,1,2-Trichloroethane	ND	ND	ug/l	NC		20
1,3-Dichloropropane	ND	ND	ug/l	NC		20
Tetrachloroethene	0.68	0.63	ug/l	8		20
Dibromochloromethane	ND	ND	ug/l	NC		20
1,2-Dibromoethane	ND	ND	ug/l	NC		20
Chlorobenzene	ND	ND	ug/l	NC		20
1,1,1,2-Tetrachloroethane	ND	ND	ug/l	NC		20
Ethylbenzene	ND	ND	ug/l	NC		20
p/m-Xylene	ND	ND	ug/l	NC		20
o-Xylene	ND	ND	ug/l	NC		20
Styrene	ND	ND	ug/l	NC		20
Isopropylbenzene	ND	ND	ug/l	NC		20
Bromoform	ND	ND	ug/l	NC		20
Xylene (Total) ¹	ND	ND	ug/l	NC		20
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC		20

Lab Duplicate Analysis Batch Quality Control

Project Name: 202204NH

Project Number: 202204NH

Lab Number: L2257194

Report Date: 10/27/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1701558-5 QC Sample: L2256838-01 Client ID: DUP Sample						
1,2,3-Trichloropropane	ND	ND	ug/l	NC		20
1,3-Dichloropropene, Total	ND	ND	ug/l	NC		20
Trihalomethanes, Total	ND	ND	ug/l	NC		20
n-Propylbenzene	ND	ND	ug/l	NC		20
Bromobenzene	ND	ND	ug/l	NC		20
1,3,5-Trimethylbenzene	ND	ND	ug/l	NC		20
o-Chlorotoluene	ND	ND	ug/l	NC		20
p-Chlorotoluene	ND	ND	ug/l	NC		20
tert-Butylbenzene	ND	ND	ug/l	NC		20
1,2,4-Trimethylbenzene	ND	ND	ug/l	NC		20
sec-Butylbenzene	ND	ND	ug/l	NC		20
p-Isopropyltoluene	ND	ND	ug/l	NC		20
1,3-Dichlorobenzene	ND	ND	ug/l	NC		20
1,4-Dichlorobenzene	ND	ND	ug/l	NC		20
n-Butylbenzene	ND	ND	ug/l	NC		20
1,2-Dichlorobenzene	ND	ND	ug/l	NC		20
1,2-Dibromo-3-chloropropane	ND	ND	ug/l	NC		20
1,2,4-Trichlorobenzene	ND	ND	ug/l	NC		20
Hexachlorobutadiene	ND	ND	ug/l	NC		20
Naphthalene	ND	ND	ug/l	NC		20
1,2,3-Trichlorobenzene	ND	ND	ug/l	NC		20

Lab Duplicate Analysis Batch Quality Control

Project Name: 202204NH

Project Number: 202204NH

Lab Number: L2257194

Report Date: 10/27/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1701558-5 QC Sample: L2256838-01 Client ID: DUP Sample						

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	109		110		80-120
4-Bromofluorobenzene	97		97		80-120

Project Name: 202204NH**Lab Number:** L2257194**Project Number:** 202204NH**Report Date:** 10/27/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2257194-01A	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-01B	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-01C	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-02A	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-02B	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-02C	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-03A	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-03B	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-03C	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-04A	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-04B	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-04C	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-05A	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-05B	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-05C	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-06A	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-06B	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-06C	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-07A	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-07B	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-07C	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-08A	Vial HCl preserved	A	NA		3.2	Y	Absent		524.2(14)
L2257194-08B	Vial HCl preserved	A	NA		3.2	Y	Absent		524.2(14)

Project Name: 202204NH
Project Number: 202204NH

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Lab Number: L2257194
Report Date: 10/27/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2257194-09A	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-09B	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-09C	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)
L2257194-09D	Vial HCl preserved	A	NA		3.2	Y	Absent		8260-NH(14)

Project Name: 202204NH
Project Number: 202204NH

Lab Number: L2257194
Report Date: 10/27/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name: 202204NH
Project Number: 202204NH

Lab Number: L2257194
Report Date: 10/27/22

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: 202204NH
Project Number: 202204NH

Lab Number: L2257194
Report Date: 10/27/22

Data Qualifiers

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: 202204NH
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REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 16 Methods for the Determination of Organic Compounds in Drinking Water - Supplement II. EPA/600/R-92/129, August 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

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