

Groundwater Monitoring Report Cover Sheet

Site Name: Former CR Bard Facility

Town: Fitzwilliam

Permit #: 198905021-F-004

Type of Submittal *(Check all that apply)*

- ☒ Periodic Summary Report (year): 2021
- ☐ Data Submittal *(month and year per Condition #7 of Permit):*
-

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

Sampling Results

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

Contaminant Trends

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

Recommendations

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

**PERIODIC SUMMARY REPORT
Former C.R. Bard Facility
179 Route 12
Fitzwilliam, NH 03447**

**NHDES Site #: 198905021
Project Type: LUST
Project Number: 1095**

Prepared For:
BD, Inc.
1 Becton Drive
Franklin Lakes, NJ 07417
Phone Number (201) 669-7972
RP Contact Name: Matthew Bigley
RP Contact Email: matthew.bigley@bd.com



Prepared By:
Wood Environment & Infrastructure Solutions, Inc.
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May 12, 2021



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May 12, 2021

Mr. Thomas Fargo, C.G.
New Hampshire Department of Environmental Services
Waste Management Division, Oil Remediation & Compliance Bureau
29 Hazen Drive, P.O. Box 96
Concord, NH 03302-0095

Re: GMP Periodic Summary Report
Groundwater Management Permit DES# 198905021-F-004
Project Number: 1095
Former CR Bard Site - Fitzwilliam, NH
Groundwater Sampling Results – April 2021

Dear Mr. Fargo

On behalf of BD, Inc. (acquired CR Bard), Wood Environment & Infrastructure Solutions, Inc. (Wood E&IS) conducted groundwater sampling at the former C.R. Bard Site in Fitzwilliam, NH (the Site) on April 12, 2021. Sampling and analysis were conducted in accordance with the Groundwater Management Permit (GMP), dated November 14, 2018. The April 2021 event included the collection of groundwater samples from four wells (TDS-2, TDS-3, FT-1, and T1-B) for analysis of the New Hampshire Department of Environmental Services (NHDES) Petroleum and Hazardous Waste Remediation Full List of Analytes for Volatile Organics. The property that contains this Groundwater Management Zone is owned by Turnkey Lumber Corporation of Lunenburg, Massachusetts.

Static groundwater levels and the presence or absence of non-aqueous phase liquid (NAPL) were measured in five wells (TDS-1, TDS-2, TDS-3, FT-1, and T1-B) during a synoptic gauging round prior to sample collection (Figure 1) on April 12, 2021. The water elevations in 2021 were between 0.48 and 0.89 feet lower than the water levels measured in 2020. LNAPL was measured at 0.02 feet in TDS-2 which is the same as the thickness measured in 2020. A summary of water-level and NAPL measurements is included as Attachment 1.

The flush mount road boxes were inspected and it was determined that three (FT-1, TDS-1, TDS-3) sustained damage due to snow plowing. Each of the PVC wells within the damaged road boxes have expandable plugs; therefore, no storm water is entering the wells. The three road boxes are scheduled for repair or replacement.

As required by the GMP, after the 2020 groundwater sampling, an absorbent sock was installed in well TDS-2 and FT-1. Several times throughout the year (August 2020 and December 2020) the absorbent sock was removed, and a clean sock was re-installed. In addition, the absorbent sock was removed in March 2021 (one month prior to the April sampling) but a new one was not installed so that the LNAPL gauging event in April would reflect an accurate thickness. Photographs of the absorbent sock after each removal event are shown in Attachment 4.

Groundwater samples were collected from FT-1, T1B, TDS-2, and TDS-3 on April 12, 2021. Groundwater samples were collected using low-flow techniques. Groundwater samples were submitted to Eastern Analytical of Concord, New Hampshire (EA), and the laboratory results are summarized in Attachment 2. The EA laboratory report is included as Attachment 3. The purge water from the groundwater sampling was containerized, picked up by a licensed transportation contractor (ACV Environmental Services, Inc.), and disposed of at Cycle Chem Inc. of Elizabeth, NJ. After the sampling was completed in TDS-2, an absorbent sock was installed in the well.

No new compounds were detected during the April 2021 sampling round. Naphthalene was the only compound detected above the NHDES Ambient Groundwater Quality Standards (AGQS). Naphthalene was detected at a concentration of 180 µg/L at well T1-B, above the AGQS of 100 µg/L. The naphthalene concentration in T1-B continues to show a general inverse relationship with the groundwater elevation (i.e., as the water elevation decreases, the naphthalene concentration increases).

The laboratory results are considered to meet the requirements for defensibility, precision, accuracy and reporting of data and are therefore of sufficient quality to support site decisions. All field duplicate relative percentage differences (RPDs) were within criteria. There were no quality assurance (QA)/quality control (QC) items outside of the control limits.

The April 2021 data indicate a similar naphthalene concentration in well T1-B as compared to 2020. Naphthalene concentrations from 1997 through 2021 show an overall decreasing trend (confidence greater than 95 percent) in this well. When the more recent data from 2009 through 2021 are evaluated statistically, there is no trend; however, when the 2016 through 2021 data set is evaluated there is a downward trend with a confidence greater than 90 percent. The current and historic data generally show an inverse relationship between water elevation and naphthalene suggesting that when the water table is high, the naphthalene concentrations are diluted by the larger column of water within the monitoring well. However, it is not known why the naphthalene concentration has not continuously declined over time.

Well gauging indicates a similar NAPL thickness in well TDS-2 compared to the measurement in 2020 suggesting that the absorbent sock may not have an impact on the LNAPL thickness. Despite the 0.02 feet of LNAPL in TDS-2 the VOC results in groundwater at the downgradient location TDS-3 are stable and below their respective AGQS values. The next data submittal will follow the April 2022 sampling event. If you have any questions on the enclosed summary of data, please call me (978) 392-5362.

Sincerely,
Wood Environment & Infrastructure Solutions, Inc.



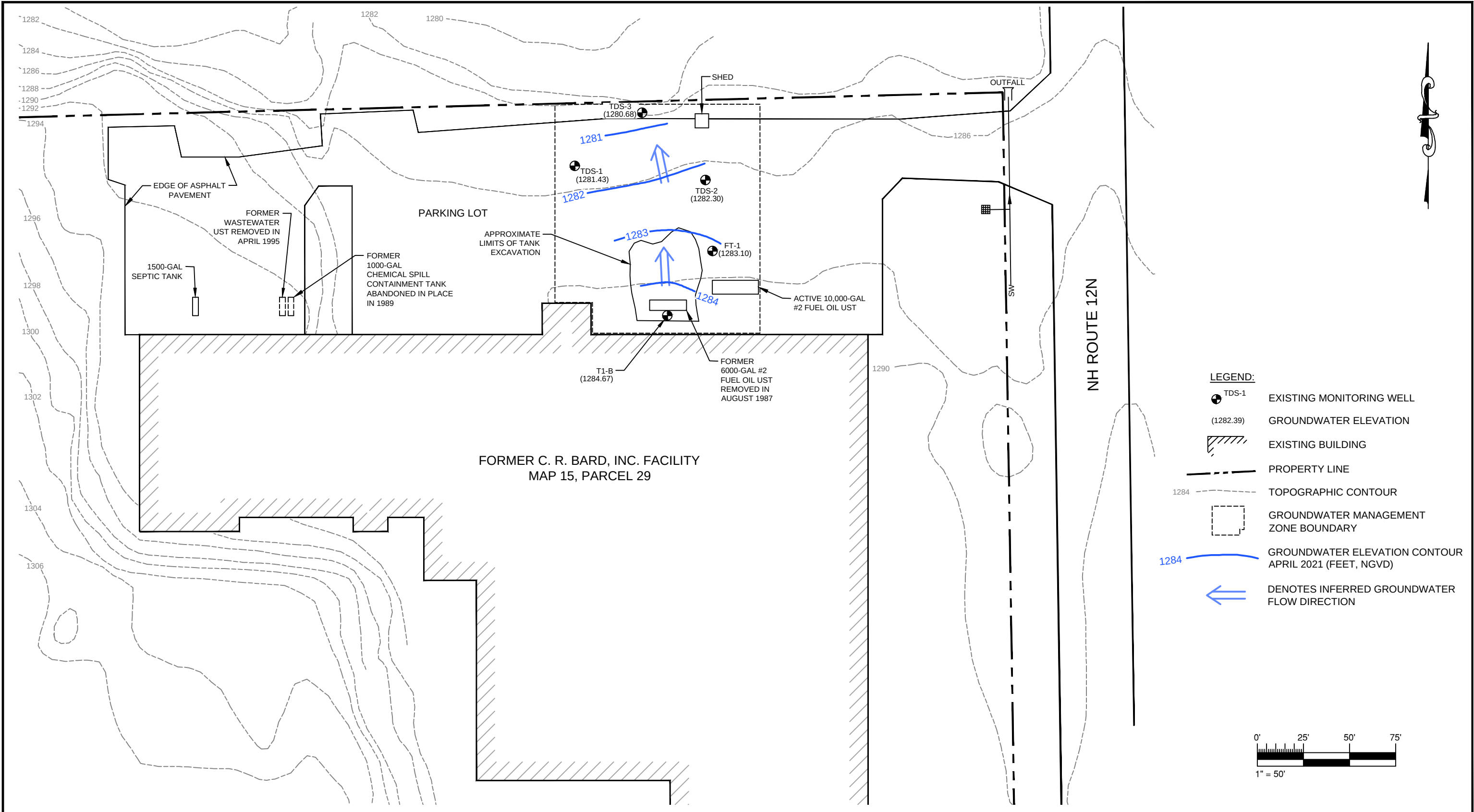
John Rice
Geologist



Kim Henry
Program Manager

Attachments

FIGURE 1



	CLIENT LOGO	CLIENT: C. R. BARD, INC.	DRAWN BY: B. GIRARDET	 271 MILL ROAD, 3RD FLOOR, CHELMSFORD, MA 01824	DATE: APRIL 2021
			CHECKED BY: J. RICE		PROJECT NO: 3651210160
		DATUM: N/A	REV. NO.: 0		
		PROJECTION: N/A	FIGURE No. 1		
		SCALE: AS SHOWN			
PROJECT FORMER C. R. BARD FACILITY FITZWILLIAM, NEW HAMPSHIRE		TITLE GROUNDWATER CONTOUR MAP APRIL 12, 2021			

ATTACHMENT 1

Well Gauging Data Table

Table 1
Well Gauging Data
Former C.R. Bard Facility, Fitzwilliam, NH
NHDES # 198905021

Well ID	Gauging Date	PVC Elevation (feet NGVD)	DTB (feet)	DTW (feet)	DTNAPL (feet)	NAPL Thickness (feet)	Groundwater Elevation (feet NGVD)	Comments
TDS-1	8/24/1998	1285.34	11.66	5.40	ND	ND	1279.94	
TDS-1	9/16/1998	1285.34	11.66	5.95	ND	ND	1279.39	
TDS-1	2/8/2002	1285.34	11.66	4.57	ND	ND	1280.77	no sheen, no odor
TDS-1	5/17/2002	1285.34	11.66	3.37	ND	ND	1281.97	no sheen, no odor
TDS-1	11/13/2002	1285.34	11.66	3.43	ND	ND	1281.91	no sheen, no odor
TDS-1	5/7/2003	1285.34	11.66	3.09	ND	ND	1282.25	no sheen, no odor
TDS-1	11/25/2003	1285.34	11.66	3.75	ND	ND	1281.59	no sheen, slight odor
TDS-1	4/27/2004	1285.34	11.66	2.60	ND	ND	1282.74	no sheen, no odor
TDS-1	6/23/2004	1285.34	11.66	4.03	ND	ND	1281.31	rust on probe, no odor
TDS-1	8/13/2004	1285.34	11.66	4.90	ND	ND	1280.44	no sheen, strong odor
TDS-1	9/23/2004	1285.34	11.66	3.87	ND	ND	1281.47	no sheen, no odor
TDS-1	10/6/2004	1285.34	11.66	4.04	ND	ND	1281.30	
TDS-1	10/15/2004	1285.34	11.66	4.16	ND	ND	1281.18	
TDS-1	11/4/2004	1285.34	11.66	4.02	ND	ND	1281.32	
TDS-1	11/23/2004	1285.34	11.66	4.03	ND	ND	1281.31	no sheen, no odor, rust
TDS-1	3/29/2005	1285.09	11.66	2.50	ND	ND	1282.59	rust
TDS-1	4/29/2005	1285.09	11.66	3.11	ND	ND	1281.98	
TDS-1	5/31/2005	1285.09	11.66	3.41	ND	ND	1281.68	
TDS-1	6/22/2005	1285.09	11.66	3.89	ND	ND	1281.20	
TDS-1	7/20/2005	1285.09	11.66	3.44	ND	ND	1281.65	
TDS-1	8/18/2005	1285.09	11.66	4.51	ND	ND	1280.58	
TDS-1	9/16/2005	1285.09	11.66	5.65	ND	ND	1279.44	
TDS-1	10/18/2005	1285.09	11.66	3.32	ND	ND	1281.77	
TDS-1	11/29/2005	1285.09	11.66	2.65	ND	ND	1282.44	
TDS-1	12/23/2005	1285.09	11.66	3.91	ND	ND	1281.18	
TDS-1	1/17/2006	1285.09	11.66	3.28	ND	ND	1281.81	
TDS-1	2/17/2006	1285.09	11.66	-	-	-	-	Could Not Gauge
TDS-1	3/31/2006	1285.09	11.66	4.76	ND	ND	1280.33	
TDS-1	4/14/2006	1285.09	11.66	3.60	ND	ND	1281.49	
TDS-1	5/25/2006	1285.09	11.66	3.18	ND	ND	1281.91	
TDS-1	6/30/2006	1285.09	11.66	3.05	ND	ND	1282.04	
TDS-1	7/31/2006	1285.09	11.66	3.98	ND	ND	1281.11	
TDS-1	8/31/2006	1285.09	11.66	4.35	ND	ND	1280.74	
TDS-1	9/29/2006	1285.09	11.66	-	ND	ND	-	Could Not Gauge
TDS-1	10/19/2006	1285.09	11.66	3.85	ND	ND	1281.24	
TDS-1	11/30/2006	1285.09	11.66	3.99	ND	ND	1281.10	
TDS-1	1/17/2007	1285.09	11.66	3.26	ND	ND	1281.83	
TDS-1	2/28/2007	1285.09	11.66	4.45	ND	ND	1280.64	
TDS-1	3/22/2007	1285.09	11.66	3.25	ND	ND	1281.84	no sheen, odor
TDS-1	4/11/2007	1285.09	11.66	3.25	ND	ND	1281.84	no sheen, no odor
TDS-1	5/16/2007	1285.09	11.17	3.50	ND	ND	1281.59	no sheen, no odor
TDS-1	6/15/2007	1285.09	11.17	3.95	ND	ND	1281.14	no sheen, no odor
TDS-1	7/12/2007	1285.09	11.17	4.43	ND	ND	1280.66	no sheen, strong odor.
TDS-1	8/15/2007	1285.09	11.17	5.24	ND	ND	1279.85	no sheen, slight to moderate odor.
TDS-1	9/15/2007	1285.09	11.17	5.29	ND	ND	1279.80	no sheen, slight odor.
TDS-1	10/8/2007	1285.09	11.17	6.97	ND	ND	1278.12	spotty sheen, slight odor
TDS-1	11/20/2007	1285.09	11.17	4.68	ND	ND	1280.41	
TDS-1	12/14/2007	1285.09	11.17	4.72	ND	ND	1280.37	no sheen, slight odor.
TDS-1	1/17/2008	1285.09	11.17	3.60	ND	ND	1281.49	no sheen, slight odor.
TDS-1	2/15/2008	1285.09	11.17	3.33	ND	ND	1281.76	no sheen, slight odor.
TDS-1	3/14/2008	1285.09	11.17	2.97	ND	ND	1282.12	no sheen, no odor
TDS-1	4/19/2008	1285.09	11.17	3.23	ND	ND	1281.86	no sheen, no odor
TDS-1	4/7/2009	1285.09	11.17	2.41	ND	ND	1282.68	slight sheen, odor
TDS-1	4/29/2010	1285.09	11.17	2.97	ND	ND	1282.12	slight odor
TDS-1	4/13/2011	1285.09	11.17	3.19*	ND	ND	1281.90	no sheen, no odor
TDS-1	4/25/2012	1284.83	11.17	2.64	ND	ND	1282.19	no sheen, no odor
TDS-1	4/30/2013	1284.83	11.17	3.31	ND	ND	1281.52	no sheen, no odor
TDS-1	4/30/2014	1284.83	11.17	2.75	ND	ND	1282.08	no sheen, no odor
TDS-1	4/30/2015	1284.83	11.17	3.22	ND	ND	1281.61	no sheen, no odor
TDS-1	4/21/2016	1284.83	11.17	3.29	ND	ND	1281.54	no sheen, no odor
TDS-1	4/24/2017	1284.83	10.59	2.87	ND	ND	1281.96	no sheen, no odor
TDS-1	4/19/2018	1284.83	10.52	2.44	ND	ND	1282.39	no sheen, no odor
TDS-1	4/18/2019	1284.83	6.85	2.61	ND	ND	1282.22	
TDS-1	4/9/2020	1284.83	10.28	2.83	ND	ND	1282.00	
TDS-1	4/12/2021	1284.83	10.30	3.40	ND	ND	1281.43	

* = measurement taken after pumping started

Table 1
Well Gauging Data
Former C.R. Bard Facility, Fitzwilliam, NH
NHDES # 198905021

Well ID	Gauging Date	PVC Elevation (feet NGVD)	DTB (feet)	DTW (feet)	DTNAPL (feet)	NAPL Thickness (feet)	Groundwater Elevation (feet NGVD)	Comments
TDS-2	8/24/1998	1285.71	10.99	5.55	ND	ND	1280.16	
TDS-2	9/16/1998	1285.71	10.99	6.08	ND	ND	1279.63	
TDS-2	2/8/2002	1285.71	10.99	4.96	ND	ND	1280.75	sheen on probe, petroleum-like odor
TDS-2	5/17/2002	1285.71	10.99	3.60	ND	ND	1282.11	sheen on probe, petroleum-like odor
TDS-2	11/13/2002	1285.71	10.99	5.05	5.04	0.01	1280.66	sheen on probe, petroleum-like odor
TDS-2	5/7/2003	1285.71	10.99	3.16	ND	ND	1282.55	slight sheen, slight petroleum-like odor
TDS-2	11/25/2003	1285.71	10.99	3.14	ND	ND	1282.57	sheen on probe, petroleum-like odor
TDS-2	11/25/2003	1285.71	10.99	3.23	3.15	0.08	1282.48	product enters well following purging
TDS-2	12/5/2003	1285.71	10.99	3.47	3.34	0.13	1282.24	dark product on probe, odor
TDS-2	2/12/2004	1285.71	10.99	4.19	ND	ND	1281.52	slight sheen, slight petroleum-like odor
TDS-2	4/27/2004	1285.71	10.99	2.11	ND	ND	1283.60	slight sheen, slight petroleum-like odor
TDS-2	6/23/2004	1285.71	10.99	3.79	3.74	0.05	1281.92	brown sheen, petroleum-like odor.
TDS-2	8/13/2004	1285.71	10.99	4.90	ND	ND	1280.81	no sheen, strong odor
TDS-2	9/23/2004	1285.71	10.99	3.77	ND	ND	1281.94	sheen on probe, petroleum-like odor
TDS-2	10/6/2004	1285.71	10.99	3.82	3.77	0.05	1281.89	
TDS-2	10/6/2004	1285.71	10.99	4.50	ND	ND	1281.21	sheen detected after EFR
TDS-2	10/15/2004	1285.71	10.99	4.02	3.99	0.03	1281.69	
TDS-2	11/4/2004	1285.71	10.99	3.86	3.81	0.05	1281.85	
TDS-2	11/4/2004	1285.71	10.99	3.89	ND	ND	1281.82	after EFR event
TDS-2	11/23/2004	1285.71	10.99	3.87	3.84	0.03	1281.84	sheen, odor
TDS-2	3/29/2005	1285.54	10.99	2.95	2.70	0.25	1282.59	sheen, odor
TDS-2	4/29/2005	1285.54	10.99	2.61	2.58	0.03	1282.93	sheen, odor
TDS-2	5/31/2005	1285.54	10.99	2.95	2.94	0.01	1282.59	sheen, odor
TDS-2	6/22/2005	1285.54	10.99	3.60	3.54	0.06	1281.94	sheen, odor
TDS-2	7/20/2005	1285.54	10.99	3.08	3.04	0.04	1282.46	sheen, odor
TDS-2	8/18/2005	1285.54	10.99	4.41	4.39	0.02	1281.13	sheen, odor
TDS-2	9/16/2005	1285.54	10.99	5.64	5.61	0.03	1279.90	sheen, odor
TDS-2	10/18/2005	1285.54	10.99	3.02	ND	ND	1282.52	sheen, odor
TDS-2	11/29/2005	1285.54	10.99	2.71	2.70	0.01	1282.83	sheen, odor
TDS-2	12/23/2005	1285.54	10.99	3.59	ND	ND	1281.95	sheen, odor
TDS-2	1/17/2006	1285.54	10.99	2.76	ND	ND	1282.78	sheen, odor
TDS-2	2/17/2006	1285.54	10.99	2.86	ND	ND	1282.68	sheen, odor
TDS-2	3/31/2006	1285.54	10.99	3.39	ND	ND	1282.15	sheen, odor
TDS-2	4/14/2006	1285.54	10.99	3.17	ND	ND	1282.37	sheen, odor
TDS-2	5/25/2006	1285.54	10.99	2.72	2.71	0.01	1282.82	sheen, odor
TDS-2	6/30/2006	1285.54	10.99	2.63	2.62	0.01	1282.91	sheen, odor
TDS-2	7/31/2006	1285.54	10.99	3.81	3.80	0.01	1281.73	sheen, odor
TDS-2	8/31/2006	1285.54	10.99	4.19	ND	ND	1281.35	sheen, odor
TDS-2	9/29/2006	1285.54	10.99	4.56	ND	ND	1280.98	sheen, odor
TDS-2	10/19/2006	1285.54	10.99	3.61	ND	ND	1281.93	sheen, odor
TDS-2	11/30/2006	1285.54	10.99	3.29	ND	ND	1282.25	sheen, odor
TDS-2	1/17/2007	1285.54	10.99	3.79	3.78	0.01	1281.75	sheen, odor
TDS-2	2/28/2007	1285.54	10.99	4.21	4.20	0.01	1281.33	sheen, odor
TDS-2	3/22/2007	1285.54	10.99	3.03	ND	ND	1282.51	sheen, odor
TDS-2	4/11/2007	1285.54	10.99	2.81	ND	ND	1282.73	spotty sheen, slight odor
TDS-2	5/16/2007	1285.54	11.40	3.12	ND	ND	1282.42	sheen, odor
TDS-2	6/15/2007	1285.54	11.40	3.60	ND	ND	1281.94	sheen, strong odor
TDS-2	7/12/2007	1285.54	11.40	4.10	ND	ND	1281.44	free product on probe, strong odor.
TDS-2	8/15/2007	1285.54	11.40	5.19	ND	ND	1280.35	sheen, moderate to strong odor.
TDS-2	9/15/2007	1285.54	11.40	6.13	ND	ND	1279.41	no sheen, strong odor.
TDS-2	10/8/2007	1285.54	11.40	7.05	ND	ND	1278.49	sheen/product on probe, strong odor.
TDS-2	11/20/2007	1285.54	11.40	4.78	ND	ND	1280.76	
TDS-2	12/14/2007	1285.54	11.40	4.70	ND	ND	1280.84	no sheen, slight odor
TDS-2	1/17/2008	1285.54	11.40	3.39	ND	ND	1282.15	spotty sheen, odor
TDS-2	2/15/2008	1285.54	11.40	2.81	ND	ND	1282.73	spotty sheen, odor
TDS-2	3/14/2008	1285.54	11.40	2.69	ND	ND	1282.85	sheen, moderate odor
TDS-2	4/19/2008	1285.54	11.40	2.86	2.85	0.01	1282.68	free product on probe, odor.
TDS-2	4/7/2009	1285.54	11.40	2.20	2.16	0.04	1283.34	sheen, odor
TDS-2	4/29/2010	1285.54	11.40	3.00	2.99	0.01	1282.54	NAPL, sheen, odor
TDS-2	4/13/2011	1285.54	11.40	2.63	2.62	0.01	1282.91	NAPL, sheen, odor
TDS-2	4/25/2012	1285.29	11.40	2.61	ND	ND	1282.68	no odor, slight sheen
TDS-2	4/30/2013	1285.29	11.40	3.40	ND	ND	1281.89	slight odor, slight sheen
TDS-2	4/30/2014	1285.29	11.40	2.48	ND	ND	1282.81	NAPL on probe
TDS-2	4/30/2015	1285.29	11.40	2.75	ND	ND	1282.54	slight sheen on purge water
TDS-2	4/21/2016	1285.29	11.40	3.20	2.90	0.30	1282.33	NAPL, sheen, odor
TDS-2	4/24/2017	1285.29	10.81	2.82	2.77	0.05	1282.51	NAPL, sheen, odor
TDS-2	4/19/2018	1285.29	6.80	2.23	2.22	0.01	1283.07	NAPL, sheen
TDS-2	4/18/2019	1285.29	6.85	2.41	2.40	0.01	1282.89	NAPL, sheen
TDS-2	4/9/2020	1285.29	7.45	2.29	2.27	0.02	1283.02	NAPL, sheen, odor
TDS-2	4/12/2021	1285.29	7.75	3.01	2.99	0.02	1282.30	NAPL, sheen, odor

Table 1
Well Gauging Data
Former C.R. Bard Facility, Fitzwilliam, NH
NHDES # 198905021

Well ID	Gauging Date	PVC Elevation (feet NGVD)	DTB (feet)	DTW (feet)	DTNAPL (feet)	NAPL Thickness (feet)	Groundwater Elevation (feet NGVD)	Comments
FT-1	9/16/1998	1286.91	11.15	7.00	ND	ND	1279.91	
FT-1	2/8/2002	1286.91	11.15	5.27	ND	ND	1281.64	no sheen, slight odor
FT-1	5/17/2002	1286.91	11.15	3.28	ND	ND	1283.63	slight sheen, slight petroleum-like odor
FT-1	11/13/2002	1286.91	11.15	4.84	ND	ND	1282.07	no sheen, no odor
FT-1	5/7/2003	1286.91	11.15	3.43	3.37	0.06	1283.48	sheen on probe, petroleum-like odor
FT-1	5/29/2003	1286.91	11.15	3.19	3.09	0.10	1283.72	sheen on probe, petroleum-like odor
FT-1	7/31/2003	1286.91	11.15	5.50	ND	ND	1281.41	slight sheen, slight petroleum-like odor
FT-1	10/2/2003	1286.91	11.15	4.83	ND	ND	1282.08	no sheen, slight petroleum-like odor
FT-1	11/25/2003	1286.91	11.15	3.82	ND	ND	1283.09	no sheen, slight petroleum-like odor
FT-1	12/5/2003	1286.91	11.15	4.04	ND	ND	1282.87	rust on probe
FT-1	2/12/2004	1286.91	11.15	4.87	ND	ND	1282.04	slight sheen, slight odor,
FT-1	4/27/2004	1286.91	11.15	2.55	ND	ND	1284.36	no sheen, no odor
FT-1	6/23/2004	1286.91	11.15	4.31	4.30	0.01	1282.60	brown sheen and petroleum odor
FT-1	8/13/2004	1286.91	11.15	5.66	ND	ND	1281.25	no sheen, strong odor
FT-1	9/23/2004	1286.91	11.15	4.44	ND	ND	1282.47	slight sheen and odor
FT-1	10/6/2004	1286.91	11.15	4.55	ND	ND	1282.36	
FT-1	10/6/2004	1286.91	11.15	4.74	ND	ND	1282.17	
FT-1	10/15/2004	1286.91	11.15	4.77	ND	ND	1282.14	
FT-1	11/4/2004	1286.91	11.15	4.76	ND	ND	1282.15	
FT-1	11/4/2004	1286.91	11.15	4.65	ND	ND	1282.26	after EFR event
FT-1	11/23/2004	1286.91	11.15	4.63	ND	ND	1282.28	rust color, no sheen, no odor
FT-1	3/29/2005	1286.91	11.15	2.56	ND	ND	1284.35	
FT-1	4/29/2005	1286.91	11.15	2.98	ND	ND	1283.93	sheen on probe
FT-1	5/31/2005	1286.91	11.15	3.31	ND	ND	1283.60	
FT-1	6/22/2005	1286.91	11.15	3.95	ND	ND	1282.96	
FT-1	7/20/2005	1286.91	11.15	3.46	ND	ND	1283.45	
FT-1	8/18/2005	1286.91	11.15	5.00	ND	ND	1281.91	
FT-1	9/16/2005	1286.91	11.15	6.37	ND	ND	1280.54	
FT-1	10/18/2005	1286.91	11.15	3.63	ND	ND	1283.28	
FT-1	11/29/2005	1286.91	11.15	3.15	ND	ND	1283.76	
FT-1	12/23/2005	1286.91	11.15	4.16	ND	ND	1282.75	
FT-1	1/17/2006	1286.91	11.15	3.21	ND	ND	1283.70	
FT-1	2/17/2006	1286.91	11.15	3.37	ND	ND	1283.54	
FT-1	3/31/2006	1286.91	11.15	3.92	ND	ND	1282.99	spotty sheen, slight odor
FT-1	4/14/2006	1286.91	11.15	3.68	ND	ND	1283.23	
FT-1	5/25/2006	1286.91	11.15	3.15	ND	ND	1283.76	
FT-1	6/30/2006	1286.91	11.15	3.02	ND	ND	1283.89	
FT-1	7/31/2006	1286.91	11.15	4.33	ND	ND	1282.58	
FT-1	8/31/2006	1286.91	11.15	4.91	ND	ND	1282.00	
FT-1	9/29/2006	1286.91	11.15	5.43	ND	ND	1281.48	
FT-1	10/19/2006	1286.91	11.15	4.02	ND	ND	1282.89	
FT-1	11/30/2006	1286.91	11.15	3.74	ND	ND	1283.17	
FT-1	1/17/2007	1286.91	11.15	2.88	ND	ND	1284.03	
FT-1	2/28/2007	1286.91	11.15	4.94	ND	ND	1281.97	
FT-1	3/22/2007	1286.91	11.15	3.56	ND	ND	1283.35	no sheen, odor
FT-1	4/11/2007	1286.91	11.15	3.30	ND	ND	1283.61	no sheen, no odor
FT-1	5/16/2007	1286.91	11.44	3.60	ND	ND	1283.31	no sheen, no odor
FT-1	6/15/2007	1286.91	11.44	3.60	ND	ND	1283.31	slight sheen, odor
FT-1	7/12/2007	1286.91	11.44	4.97	ND	ND	1281.94	no sheen, slight odor.
FT-1	8/15/2007	1286.91	11.44	5.98	ND	ND	1280.93	no sheen, odor.
FT-1	9/15/2007	1286.91	11.44	7.16	ND	ND	1279.75	no sheen, slight odor.
FT-1	10/8/2007	1286.91	11.44	8.06	ND	ND	1278.85	no sheen, slight odor.
FT-1	11/20/2007	1286.91	11.44	5.79	ND	ND	1281.12	
FT-1	12/14/2007	1286.91	11.44	5.65	ND	ND	1281.26	no sheen, slight odor.
FT-1	1/17/2008	1286.91	11.44	4.09	ND	ND	1282.82	no sheen, no odor
FT-1	2/15/2008	1286.91	11.44	3.42	ND	ND	1283.49	no sheen, slight odor.
FT-1	3/14/2008	1286.91	11.44	3.23	ND	ND	1283.68	no sheen, no odor
FT-1	4/19/2008	1286.91	11.44	3.31	ND	ND	1283.60	no sheen, slight odor.
FT-1	4/7/2009	1286.91	11.44	2.38	2.36	0.02	1284.53	sheen, odor
FT-1	4/29/2010	1286.91	11.44	3.47	3.40	0.07	1283.44	no sheen, slight odor.
FT-1	4/13/2011	1286.91	11.35	3.00	2.95	0.05	1283.91	NAPL, sheen, odor
FT-1	4/25/2012	1286.91	11.35	3.50	3.35	0.15	1283.41	NAPL, no sheen, slight odor
FT-1	4/30/2013	1286.91	11.35	3.90	3.75	0.15	1283.01	NAPL, slight sheen, slight odor
FT-1	4/30/2014	1286.91	11.35	2.81	2.79	0.02	1284.10	NAPL
FT-1	4/30/2015	1286.91	11.35	3.26	3.25	0.01	1283.65	NAPL, slight sheen, slight odor
FT-1	4/21/2016	1286.91	11.35	3.68	3.47	0.21	1283.40	NAPL, slight sheen, slight odor
FT-1	4/24/2017	1286.91	11.06	3.32	ND	ND	1283.59	sheen and odor
FT-1	4/19/2018	1286.91	11.00	2.69	ND	ND	1284.22	slight sheen
FT-1	4/18/2019	1286.91	10.70	2.55	ND	ND	1284.36	sheen and odor
FT-1	4/9/2020	1286.91	10.75	3.03	3.00	0.03	1283.88	NAPL, sheen and odor
FT-1	4/12/2021	1286.91	10.78	3.81	ND	ND	1283.10	

Table 1
Well Gauging Data
Former C.R. Bard Facility, Fitzwilliam, NH
NHDES # 198905021

Well ID	Gauging Date	PVC Elevation (feet NGVD)	DTB (feet)	DTW (feet)	DTNAPL (feet)	NAPL Thickness (feet)	Groundwater Elevation (feet NGVD)	Comments
T1-B	9/16/1998	1287.95	11.12	6.78	ND	ND	1281.17	
T1-B	2/8/2002	1287.95	11.12	5.51	ND	ND	1282.44	no sheen, no odor
T1-B	5/17/2002	1287.95	11.12	3.30	ND	ND	1284.65	slight sheen, slight petroleum-like odor
T1-B	11/13/2002	1287.95	11.12	4.20	ND	ND	1283.75	no sheen, no odor
T1-B	5/7/2003	1287.95	11.12	2.59	ND	ND	1285.36	no sheen, no odor
T1-B	11/25/2003	1287.95	11.12	3.42	ND	ND	1284.53	no sheen, no odor
T1-B	4/27/2004	1287.95	11.12	1.77	ND	ND	1286.18	no sheen, no odor, rust on probe
T1-B	8/13/2004	1287.95	11.12	5.39	ND	ND	1282.56	no sheen, strong odor
T1-B	9/23/2004	1287.95	11.12	4.21	ND	ND	1283.74	sheen and odor
T1-B	10/6/2004	1287.95	11.12	4.21	4.20	0.01	1283.74	
T1-B	10/6/2004	1287.95	11.12	4.98	ND	ND	1282.97	sheen detected after EFR
T1-B	10/15/2004	1287.95	11.12	4.51	ND	ND	1283.44	
T1-B	11/4/2004	1287.95	11.12	4.32	ND	ND	1283.63	
T1-B	11/4/2004	1287.95	11.12	5.61	ND	ND	1282.34	after EFR event
T1-B	11/23/2004	1287.95	11.12	4.40	ND	ND	1283.55	no sheen, no odor
T1-B	3/29/2005	1287.71	11.12	2.06	ND	ND	1285.65	no sheen, odor
T1-B	4/29/2005	1287.71	11.12	2.38	ND	ND	1285.33	
T1-B	5/31/2005	1287.71	11.12	2.84	ND	ND	1284.87	
T1-B	6/22/2005	1287.71	11.12	3.55	ND	ND	1284.16	
T1-B	7/20/2005	1287.71	11.12	3.20	ND	ND	1284.51	
T1-B	8/18/2005	1287.71	11.12	4.70	ND	ND	1283.01	
T1-B	9/16/2005	1287.71	11.12	6.19	ND	ND	1281.52	
T1-B	10/18/2005	1287.71	11.12	3.37	ND	ND	1284.34	
T1-B	11/29/2005	1287.71	11.12	2.79	ND	ND	1284.92	
T1-B	12/23/2005	1287.71	11.12	3.96	ND	ND	1283.75	
T1-B	1/17/2006	1287.71	11.12	2.61	ND	ND	1285.10	
T1-B	2/17/2006	1287.71	11.12	2.93	ND	ND	1284.78	
T1-B	3/31/2006	1287.71	11.12	3.35	ND	ND	1284.36	
T1-B	4/14/2006	1287.71	11.12	3.14	ND	ND	1284.57	
T1-B	5/25/2006	1287.71	11.12	2.55	ND	ND	1285.16	
T1-B	6/30/2006	1287.71	11.12	2.62	ND	ND	1285.09	
T1-B	7/31/2006	1287.71	11.12	3.67	ND	ND	1284.04	
T1-B	8/31/2006	1287.71	11.12	4.61	ND	ND	1283.10	
T1-B	9/29/2006	1287.71	11.12	5.34	ND	ND	1282.37	
T1-B	10/19/2006	1287.71	11.12	4.31	ND	ND	1283.40	
T1-B	11/30/2006	1287.71	11.12	3.40	ND	ND	1284.31	
T1-B	1/17/2007	1287.71	11.12	3.28	ND	ND	1284.43	
T1-B	2/28/2007	1287.71	11.12	4.56	ND	ND	1283.15	
T1-B	3/22/2007	1287.71	11.12	3.50	ND	ND	1284.21	no sheen, strong odor
T1-B	4/11/2007	1287.71	11.12	2.91	ND	ND	1284.80	
T1-B	5/16/2007	1287.71	11.20	2.52	ND	ND	1285.19	no sheen, strong odor
T1-B	6/15/2007	1287.71	11.20	3.54	ND	ND	1284.17	no sheen, odor
T1-B	7/12/2007	1287.71	11.20	4.61	ND	ND	1283.10	no sheen, strong odor.
T1-B	8/15/2007	1287.71	11.20	5.74	ND	ND	1281.97	no sheen, odor.
T1-B	9/15/2007	1287.71	11.20	7.21	ND	ND	1280.50	no sheen, odor.
T1-B	10/8/2007	1287.71	11.20	8.05	ND	ND	1279.66	no sheen, strong odor.
T1-B	11/20/2007	1287.71	11.20	5.92	ND	ND	1281.79	
T1-B	12/14/2007	1287.71	11.20	5.61	ND	ND	1282.10	no sheen, odor.
T1-B	1/17/2008	1287.71	11.20	3.68	ND	ND	1284.03	no sheen, odor.
T1-B	2/15/2008	1287.71	11.20	2.96	ND	ND	1284.75	no sheen, slight odor
T1-B	3/14/2008	1287.71	11.20	2.76	ND	ND	1284.95	no sheen, no odor
T1-B	4/19/2008	1287.71	11.20	2.71	ND	ND	1285.00	no sheen, odor.
T1-B	4/7/2009	1287.71	11.20	1.56	ND	ND	1286.15	no sheen, no odor
T1-B	4/29/2010	1287.71	11.20	2.69	ND	ND	1285.02	no sheen, no odor
T1-B	4/13/2011	1287.71	11.20	1.72	ND	ND	1285.99	no sheen, no odor
T1-B	4/25/2012	1287.71	11.20	2.49	ND	ND	1285.22	slight sheen, slight odor
T1-B	4/30/2013	1287.71	11.20	2.87	ND	ND	1284.84	slight sheen, slight odor
T1-B	4/30/2014	1287.71	11.20	1.70	ND	ND	1286.01	
T1-B	4/30/2015	1287.71	11.20	2.21	ND	ND	1285.50	no sheen, no odor
T1-B	4/21/2016	1287.71	11.20	2.60	ND	ND	1285.11	no sheen, no odor
T1-B	4/24/2017	1287.71	11.05	2.35	ND	ND	1285.36	no sheen, no odor
T1-B	4/19/2018	1287.71	10.99	1.63	ND	ND	1286.08	no sheen, no odor
T1-B	4/18/2019	1287.71	10.88	1.65	ND	ND	1286.06	slight sheen
T1-B	4/9/2020	1287.71	10.89	2.15	ND	ND	1285.56	no sheen, no odor
T1-B	4/12/2021	1287.71	10.89	3.04	ND	ND	1284.67	

Table 1
Well Gauging Data
Former C.R. Bard Facility, Fitzwilliam, NH
NHDES # 198905021

Well ID	Gauging Date	PVC Elevation (feet NGVD)	DTB (feet)	DTW (feet)	DTNAPL (feet)	NAPL Thickness (feet)	Groundwater Elevation (feet NGVD)	Comments
TDS-3	5/7/2003	1284.27	7.98	3.09	ND	ND	1281.18	no sheen, no odor
TDS-3	11/25/2003	1284.27	7.98	2.95	ND	ND	1281.32	no sheen, no odor
TDS-3	12/5/2003	1284.27	7.98	3.12	ND	ND	1281.15	
TDS-3	4/27/2004	1284.27	7.98	2.65	ND	ND	1281.62	no sheen, no odor
TDS-3	6/23/2004	1284.27	7.98	3.39	ND	ND	1280.88	rust on probe, no odor
TDS-3	8/13/2004	1284.27	7.98	ND	ND	ND		well is dry
TDS-3	9/23/2004	1284.27	7.98	3.22	ND	ND	1281.05	no sheen, no odor
TDS-3	10/6/2004	1284.27	7.98	3.36	ND	ND	1280.91	
TDS-3	10/15/2004	1284.27	7.98	3.43	ND	ND	1280.84	
TDS-3	11/4/2004	1284.27	7.98	3.73	ND	ND	1280.54	
TDS-3	11/23/2004	1284.27	7.98	3.41	ND	ND	1280.86	no sheen, no odor, rust
TDS-3	3/29/2005	1284.27	7.98	2.61	ND	ND	1281.66	rust
TDS-3	4/29/2005	1284.27	7.98	3.08	ND	ND	1281.19	
TDS-3	5/31/2005	1284.27	7.98	3.08	ND	ND	1281.19	
TDS-3	6/22/2005	1284.27	7.98	3.40	ND	ND	1280.87	
TDS-3	7/20/2005	1284.27	7.98	3.04	ND	ND	1281.23	
TDS-3	8/18/2005	1284.27	7.98	3.71	ND	ND	1280.56	
TDS-3	9/16/2005	1284.27	7.98	4.75	ND	ND	1279.52	
TDS-3	10/18/2005	1284.27	7.98	3.44	ND	ND	1280.83	
TDS-3	11/29/2005	1284.27	7.98	3.32	ND	ND	1280.95	
TDS-3	12/23/2005	1284.27	7.98	3.60	ND	ND	1280.67	
TDS-3	1/17/2006	1284.27	7.98	3.31	ND	ND	1280.96	
TDS-3	2/17/2006	1284.27	7.98	3.43	ND	ND	1280.84	
TDS-3	3/31/2006	1284.27	7.98	3.81	ND	ND	1280.46	
TDS-3	4/14/2006	1284.27	7.98	3.63	ND	ND	1280.64	
TDS-3	5/25/2006	1284.27	7.98	3.40	ND	ND	1280.87	
TDS-3	6/30/2006	1284.27	7.98	3.26	ND	ND	1281.01	
TDS-3	7/31/2006	1284.27	7.98	3.65	ND	ND	1280.62	
TDS-3	8/31/2006	1284.27	7.98	3.68	ND	ND	1280.59	
TDS-3	9/29/2006	1284.27	7.98	3.71	ND	ND	1280.56	
TDS-3	10/19/2006	1284.27	7.98	3.42	ND	ND	1280.85	
TDS-3	11/30/2006	1284.27	7.98	3.50	ND	ND	1280.77	
TDS-3	1/17/2007	1284.27	7.98	3.48	ND	ND	1280.79	
TDS-3	2/28/2007	1284.27	7.98	3.38	ND	ND	1280.89	
TDS-3	3/22/2007	1284.27	7.98	3.37	ND	ND	1280.9	no sheen, slight odor
TDS-3	4/11/2007	1284.27	7.98	3.52	ND	ND	1280.75	no sheen, no odor
TDS-3	5/16/2007	1284.27	8.03	3.62	ND	ND	1280.65	no sheen, no odor
TDS-3	6/15/2007	1284.27	8.03	3.77	ND	ND	1280.50	slight sheen, slight odor
TDS-3	7/12/2007	1284.27	8.03	3.81	ND	ND	1280.46	slight odor, no sheen.
TDS-3	8/15/2007	1284.27	8.03	4.78	ND	ND	1279.49	spots of rusty substance, slight odor.
TDS-3	9/15/2007	1284.27	8.03	5.04	ND	ND	1279.23	spots of rusty substance, slight odor.
TDS-3	10/8/2007	1284.27	8.03	6.06	ND	ND	1278.21	slight spotty sheen, slight odor.
TDS-3	11/20/2007	1284.27	8.03	4.25	ND	ND	1280.02	
TDS-3	12/14/2007	1284.27	8.03	4.04	ND	ND	1280.23	no sheen, slight odor.
TDS-3	1/17/2008	1284.27	8.03	3.73	ND	ND	1280.54	no sheen, no odor
TDS-3	2/15/2008	1284.27	8.03	3.58	ND	ND	1280.69	no sheen, no odor
TDS-3	3/14/2008	1284.27	8.03	3.59	ND	ND	1280.68	no sheen, slight odor.
TDS-3	4/19/2008	1284.27	8.03	3.86	ND	ND	1280.41	no sheen, no odor
TDS-3	4/7/2009	1284.27	8.03	3.38	ND	ND	1280.89	no sheen, no odor
TDS-3	4/29/2010	1284.27	8.03	3.37	ND	ND	1280.9	no sheen, no odor
TDS-3	4/13/2011	1284.27	8.03	3.29	ND	ND	1280.98	slight sheen, slight odor
TDS-3	4/25/2012	1284.27	7.99	3.80	ND	ND	1280.47	no sheen, no odor
TDS-3	4/30/2013	1284.27	7.99	3.65	ND	ND	1280.62	no sheen, no odor
TDS-3	4/30/2014	1284.27	7.99	3.30	ND	ND	1280.97	
TDS-3	4/30/2015	1284.27	7.99	3.36	ND	ND	1280.91	no sheen, no odor
TDS-3	4/21/2016	1284.27	7.99	3.61	ND	ND	1280.66	no sheen, no odor
TDS-3	4/24/2017	1284.27	8.04	3.91	ND	ND	1280.36	no sheen, no odor
TDS-3	4/19/2018	1284.27	7.99	3.42	ND	ND	1280.85	no sheen, no odor
TDS-3	4/18/2019	1284.27	7.95	3.49	ND	ND	1280.78	no sheen, no odor
TDS-3	4/9/2020	1284.27	7.99	3.11	ND	ND	1281.16	no sheen, no odor
TDS-3	4/12/2021	1284.27	8.00	3.59	ND	ND	1280.68	

Notes:

Elevations were measured relative to the National Geodetic Vertical Datum.
PVC = top of PVC casing of monitoring well.
DTB = depth to bottom of well.
DTW = depth to water.
DTNAPL = depth to non-aqueous phase liquid.
ND = not detected.
NAPL = non-aqueous phase liquid.
Prepared by John Rice 4/22/2021
Checked by Elizabeth Penta 4/23/2021

ATTACHMENT 2

**Groundwater Analytical Results Tables
and
Naphthalene Plots (2002-2020)**

Table 2
Well TDS-1
Groundwater Analytical Results (2002 - 2019)
Former C.R. Bard Facility, Fitzwilliam, New Hampshire
NHDES # 198905021

	Well ID	TDS-1	TDS-1	TDS-1	TDS-1	TDS-1	TDS-1	TDS-1	TDS-1	TDS-1	TDS-1	TDS-1	TDS-1
	Date Sampled	2/8/2002	5/17/2002	11/13/2002	5/7/2003	11/25/2003	4/27/2004	11/23/2004	4/29/2005	11/29/2005	4/14/2006	11/30/2006	4/11/2007
Analyte (ug/L) ⁽¹⁾	AGQS ⁽²⁾ (ug/L)												
Volatile Organic Compounds (VOC) (Method 8260B)													
Alkylbenzenes ⁽³⁾	NA ⁽⁴⁾	19	10	8	1	9	6	3	3	NA	NA	NA	NA
1,2,4 trimethylbenzene ⁽⁶⁾	330	-	-	-	-	-	-	-	-	2	6	2	4
1,3,5 trimethylbenzene ⁽⁶⁾	330	-	-	-	-	-	-	-	-	<1	<1	<1	<1
n-butylbenzene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	<1	<1	<1	<1
n-propylbenzene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	<1	1	<1	<1
p-isopropyltoluene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	<1	<1	<1	<1
sec-butylbenzene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	<1	<1	<1	<1
tert-butylbenzene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	<1	<1	<1	<1
Iso-propylbenzene	800	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	5	3	2	1	<1	1	<1	<1	<1	<1	<1	<1	<1
Toluene	1,000	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	700	<1	<1	<1	<1	1	<1	<1	<1	<1	1	<1	<1
Xylenes (mixed isomers)	10,000	2	1	1	<1	<1	<1	1	<1	<1	<1	<1	<1
Methyl-tertiary-butyl ether (MtBE)	13	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene ⁽⁸⁾	20 / 100	10	9	8	<5	14	7	6	6	<5	<1	<5	<5
Polycyclic Aromatic Hydrocarbons (PAH) (Method 8270C)													
Acenaphthene	420	1	1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	2,100	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.05	1	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.2	2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.05	3	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	210	2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	5	2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	280	3	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	280	1	3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.05	1	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	280	2	10	7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	20	4	9	6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	210	2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	210	2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA

Prepard by John Rice 4/22/2021
Checked by Elizabeth Penta 4/23/2021

NOTES:
NA = Not Analyzed
(1) Concentrations reported in micrograms per liter (ug/L)
(2) AGQS = New Hampshire's Ambient Groundwater Quality Standards Oil and Remediation Rules Env-Wm 1403 (February 24, 1999) and Env-Wm 1403.05 (September 22, 2005). Concentrations in shaded boxes exceed AGQS in effect at that time.
(3) Alykylbenzenes are comprised of the following seven compounds: 1,2,4 trimethylbenzene, 1,3,5 trimethylbenzene, n-propyl benzene, n-butyl benzene, p-isopropyl toluene, tert-butyl benzene and sec-butyl benzene.
(4) Prior to adoption of Env-Wm 1403.05, AGQS for alkylbenzenes was 50 ug/L.
(5) Constituent of Alkylbenzene value.
(6) TDS-3 installed in May 2003.
(7) FT-1 was not sampled in May 2003 because 0.72 inches of non-aqueous phase liquid was detected.
(8) AGQS for naphthalene changed from 20 ug/L to 100 ug/L in 9/1/2018

Table 2
Well TDS-1
Groundwater Analytical Results (2002 - 2019)
Former C.R. Bard Facility, Fitzwilliam, New Hampshire
NHDES # 198905021

	Well ID	TDS-1	TDS-1	TDS-1	TDS-1	TDS-1	TDS-1	TDS-1	TDS-1	TDS-1	TDS-1	TDS-1	TDS-1
	Date Sampled	11/20/2007	4/19/2008	4/7/2009	4/29/2010	4/13/2011	4/25/2012	4/30/2013	4/30/2014	4/30/2015	4/21/2016	4/24/2017	4/11/2018
Analyte (ug/L) ⁽¹⁾	AGQS ⁽²⁾ (ug/L)												
Volatile Organic Compounds (VOC) (Method 8260B)													
Alkylbenzenes ⁽³⁾	NA ⁽⁴⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4 trimethylbenzene ⁽⁶⁾	330	6	<1	1	1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5 trimethylbenzene ⁽⁶⁾	330	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-butylbenzene ⁽⁵⁾	260	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-propylbenzene ⁽⁵⁾	260	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
p-isopropyltoluene ⁽⁵⁾	260	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
sec-butylbenzene ⁽⁵⁾	260	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
tert-butylbenzene ⁽⁵⁾	260	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iso-propylbenzene	800	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	5	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	1,000	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	700	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes (mixed isomers)	10,000	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl-tertiary-butyl ether (MtBE)	13	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1
Naphthalene ⁽⁸⁾	20 / 100	6	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Polycyclic Aromatic Hydrocarbons (PAH) (Method 8270C)													
Acenaphthene	420	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	2,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Prepard by John Rice 4/22/2021
Checked by Elizabeth Penta 4/23/2021

NOTES:
NA = Not Analyzed
(1) Concentrations reported in micrograms per liter (ug/L)
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(3) Alykylbenzenes are comprised of the following seven compounds: 1,2,4 trimethylbenzene, 1,3,5 trimethylbenzene, n-propyl benzene, n-butyl benzene, p-isopropyl toluene, tert-butyl benzene and sec-butyl benzene.
(4) Prior to adoption of Env-Wm 1403.05, AGQS for alkylbenzenes was 50 ug/L..
(5) Constituent of Alkylbenzene value.
(6) TDS-3 installed in May 2003.
(7) FT-1 was not sampled in May 2003 because 0.72 inches of non-aqueous phase liquid was detected.
(8) AGQS for naphthalene changed from 20 ug/L to 100 ug/L in 9/1/2018

Table 3
Well TDS-2
Groundwater Analytical Results (2002 - 2019)
Former C.R. Bard Facility, Fitzwilliam, New Hampshire
NHDES # 198905021

	Well ID	TDS-2	TDS-2	TDS-2	TDS-2 (DUP)	TDS-2	TDS-2	TDS-2 (DUP)	TDS-2	TDS-2 (DUP)	TDS-2	TDS-2	TDS-2 (DUP)
	Date Sampled	2/8/2002	5/17/2002	11/13/2002	11/13/2002	5/7/2003	11/25/2003	11/25/2003	4/27/2004	4/27/2004	11/23/2004	4/29/2005	4/29/2005
Analyte (ug/L) ⁽¹⁾	AGQS ⁽²⁾ (ug/L)												
Volatile Organic Compounds (VOC) (Method 8260B)													
Alkylbenzenes ⁽³⁾	NA ⁽⁴⁾	63	200	51	48	115	74	69	116	126	158	140	142
1,2,4 trimethylbenzene ⁽⁵⁾	330	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5 trimethylbenzene ⁽⁵⁾	330	-	-	-	-	-	-	-	-	-	-	-	-
n-butylbenzene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	-	-	-	-
n-propylbenzene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	-	-	-	-
p-isopropyltoluene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	-	-	-	-
sec-butylbenzene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	-	-	-	-
tert-butylbenzene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	-	-	-	-
Iso-propylbenzene	800	3	8	2	2	8	4	4	5	6	7	9	8
Benzene	5	2	5	3	3	2	3	3	<1	1	2	1	1
Toluene	1,000	1	4	2	1	1	1	1	<1	<1	2	<1	<1
Ethylbenzene	700	9	30	9	8	19	15	14	12	14	22	10	10
Xylenes (mixed isomers)	10,000	12	57	13	11	21	16	15	23	25	38	10	9
Methyl-tertiary-butyl ether (MtBE)	13	6	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene ⁽⁸⁾	20 / 100	45	150	60	54	100	84	59	88	89	160	80	78
Polycyclic Aromatic Hydrocarbons (PAH) (Method 8270C)													
Acenaphthene	420	4	2	3	3	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	2,100	1	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.05	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.2	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.05	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	210	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	5	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	280	2	1	2	2	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	280	4	3	3	4	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.05	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	280	64	24	32	33	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	20	39	25	27	28	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	210	7	3	3	3	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	210	1	<1	1	1	NA	NA	NA	NA	NA	NA	NA	NA

Prepared by John Rice 4/22/2021
Checked by Elizabeth Penta 4/23/2021

NOTES:
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(3) Alkylbenzenes are comprised of the following seven compounds: 1,2,4 trimethylbenzene, 1,3,5 trimethylbenzene, n-propyl benzene, n-butyl benzene, p-isopropyl toluene, tert-butyl benzene and sec-butyl benzene.
(4) Prior to adoption of Env-Wm 1403.05, AGQS for alkylbenzenes was 50 ug/L.
(5) Constituent of Alkylbenzene value.
(6) TDS-3 installed in May 2003.
(7) FT-1 was not sampled in May 2003 because 0.72 inches of non-aqueous phase liquid was detected.
(8) AGQS for naphthalene changed from 20 ug/L to 100 ug/L in 9/1/2018

Table 3
Well TDS-2
Groundwater Analytical Results (2002 - 2019)
Former C.R. Bard Facility, Fitzwilliam, New Hampshire
NHDES # 198905021

	Well ID	TDS-2	TDS-2 (DUP)	TDS-2	TDS-2 (DUP)	TDS-2	TDS-2 (DUP)	TDS-2	TDS-2	TDS-2	TDS-2 (DUP)	TDS-2	TDS-2 (DUP)
	Date Sampled	11/29/2005	11/29/2005	4/14/2006	4/14/2006	11/30/2006	11/30/2006	4/11/2007	11/20/2007	4/19/2008	4/19/2008	4/7/2009	4/7/2009
Analyte (ug/L) ⁽¹⁾	AGQS ⁽²⁾ (ug/L)												
Volatile Organic Compounds (VOC) (Method 8260B)													
Alkylbenzenes ⁽³⁾	NA ⁽⁴⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4 trimethylbenzene ⁽⁵⁾	330	31	30	85	74	18	18	45	31	53	53	36	35
1,3,5 trimethylbenzene ⁽⁵⁾	330	10	11	14	12	2	2	3	3	2	2	2	2
n-butylbenzene ⁽⁵⁾	260	<1	<1	10	9	3	3	4	6	3	3	3	3
n-propylbenzene ⁽⁵⁾	260	5	5	14	15	3	3	8	4	6	6	4	4
p-isopropyltoluene ⁽⁵⁾	260	4	4	8	7	1	1	4	3	5	5	4	3
sec-butylbenzene ⁽⁵⁾	260	3	3	6	6	2	2	4	4	3	3	2	2
tert-butylbenzene ⁽⁵⁾	260	<1	<1	1	1	<1	<1	1	1	<1	<1	<1	<1
Iso-propylbenzene	800	3	3	8	8	2	2	4	2	4	4	3	2
Benzene	5	1	1	1	1	2	1	2	1	1	1	2	2
Toluene	1,000	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<2
Ethylbenzene	700	5	5	10	9	4	4	5	3	5	5	3	3
Xylenes (mixed isomers)	10,000	5	6	8	8	4	4	6	4	7	7	6	6
Methyl-tertiary-butyl ether (MtBE)	13	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene ⁽⁸⁾	20 / 100	29	30	59	48	14	12	27	24	34	34	25	25
Polycyclic Aromatic Hydrocarbons (PAH) (Method 8270C)													
Acenaphthene	420	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	2,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Prepared by John Rice 4/22/2021
Checked by Elizabeth Penta 4/23/2021

NOTES:
NA = Not Analyzed
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(3) Alkylbenzenes are comprised of the following seven compounds: 1,2,4 trimethylbenzene, 1,3,5 trimethylbenzene, n-propyl benzene, n-butyl benzene, p-isopropyl toluene, tert-butyl benzene and sec-butyl benzene.
(4) Prior to adoption of Env-Wm 1403.05, AGQS for alkylbenzenes was 50 ug/L.
(5) Constituent of Alkylbenzene value.
(6) TDS-3 installed in May 2003.
(7) FT-1 was not sampled in May 2003 because 0.72 inches of non-aqueous phase liquid was detected.
(8) AGQS for naphthalene changed from 20 ug/L to 100 ug/L in 9/1/2018

Table 3
Well TDS-2
Groundwater Analytical Results (2002 - 2019)
Former C.R. Bard Facility, Fitzwilliam, New Hampshire
NHDES # 198905021

	Well ID	TDS-2	TDS-2 (DUP)	TDS-2	TDS-2 (DUP)	TDS-2	TDS-2 (DUP)	TDS-2	TDS-2 (DUP)	TDS-2	TDS-2 (DUP)	TDS-2	TDS-2 (DUP)
	Date Sampled	4/29/2010	4/29/2010	4/13/2011	4/13/2011	4/25/2012	4/25/2012	4/30/2013	4/30/2013	4/30/2014	4/30/2014	4/30/2015	4/30/2015
Analyte (ug/L) ⁽¹⁾	AGQS ⁽²⁾ (ug/L)												
Volatile Organic Compounds (VOC) (Method 8260B)													
Alkylbenzenes ⁽³⁾	NA ⁽⁴⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4 trimethylbenzene ⁽⁵⁾	330	18	19	9	8	13	12	50	51	71	69	55	56
1,3,5 trimethylbenzene ⁽⁵⁾	330	1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-butylbenzene ⁽⁵⁾	260	2 J	2 J	1	<1	2	2	3	3	4	4	4	4
n-propylbenzene ⁽⁵⁾	260	2	2	<1	<1	3	3	8	8	11	11	9	9
p-isopropyltoluene ⁽⁵⁾	260	1	1	2	2	<1	<1	3	3	4	4	3	3
sec-butylbenzene ⁽⁵⁾	260	1	1	<1	<1	2	2	3	3	4	4	4	3
tert-butylbenzene ⁽⁵⁾	260	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iso-propylbenzene	800	1	1	<1	<1	2	2	6	6	7	7	5	5
Benzene	5	3	3	1	1	2	1	2	2	2	2	1	1
Toluene	1,000	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	700	6	6	1	<1	2	1	10	10	6	7	4	5
Xylenes (mixed isomers)	10,000	7	7	2	2	<1	<1	14	14	11	11	8	9
Methyl-tertiary-butyl ether (MtBE)	13	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene ⁽⁸⁾	20 / 100	21	19	10	9	9	8	70	69	73	73	48	48
Polycyclic Aromatic Hydrocarbons (PAH) (Method 8270C)													
Acenaphthene	420	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	2,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Prepared by John Rice 4/22/2021
Checked by Elizabeth Penta 4/23/2021

NOTES:
NA = Not Analyzed
(1) Concentrations reported in micrograms per liter (ug/L)
(2) AGQS refers to New Hampshire's Ambient Groundwater Quality Standards Oil and Remediation Rules Env-Wm 1403 (February 24, 1999) and Env-Wm 1403.05 (September 22, 2005). Concentrations in shaded boxes exceed AGQS in effect at that time.
(3) Alkylbenzenes are comprised of the following seven compounds: 1,2,4 trimethylbenzene, 1,3,5 trimethylbenzene, n-propyl benzene, n-butyl benzene, p-isopropyl toluene, tert-butyl benzene and sec-butyl benzene.
(4) Prior to adoption of Env-Wm 1403.05, AGQS for alkylbenzenes was 50 ug/L.
(5) Constituent of Alkylbenzene value.
(6) TDS-3 installed in May 2003.
(7) FT-1 was not sampled in May 2003 because 0.72 inches of non-aqueous phase liquid was detected.
(8) AGQS for naphthalene changed from 20 ug/L to 100 ug/L in 9/1/2018

Table 3
Well TDS-2
Groundwater Analytical Results (2002 - 2019)
Former C.R. Bard Facility, Fitzwilliam, New Hampshire
NHDES # 198905021

	Well ID	TDS-2	TDS-2	TDS-2	TDS-2	TDS-2	TDS-2
	Date Sampled	4/21/2016	4/24/2017	4/11/2018	4/18/2019	4/9/2020	4/12/2021
Analyte (ug/L) ⁽¹⁾	AGQS ⁽²⁾ (ug/L)						
Volatile Organic Compounds (VOC) (Method 8260B)							
Alkylbenzenes ⁽³⁾	NA ⁽⁴⁾	NA	NA	NA	NA	NA	NA
1,2,4 trimethylbenzene ⁽⁵⁾	330	61	53	44	38	8.5	62
1,3,5 trimethylbenzene ⁽⁵⁾	330	<1	<1	<1	7.6	<1	<1
n-butylbenzene ⁽⁵⁾	260	3 J	2	2.5	1.5	<1	<1
n-propylbenzene ⁽⁵⁾	260	6	3	4.1	2.7	<1	7.1
p-isopropyltoluene ⁽⁵⁾	260	3	3	2.7	1.5	<1	2.5
sec-butylbenzene ⁽⁵⁾	260	2	1	1.8	1.2	<1	2.5
tert-butylbenzene ⁽⁵⁾	260	<1	<1	<1	<1	<1	<1
Iso-propylbenzene	800	4	2	2.7	1.8	1	4.3
Benzene	5	2	3	1.9	1.4	<1	1.6
Toluene	1,000	<1	<1	<1	<1	<1	<1
Ethylbenzene	700	13	5	3.9	9.9	1.7	6.9
Xylenes (mixed isomers)	10,000	22	14	6.8	12.3	<1	4.6
Methyl-tertiary-butyl ether (MtBE)	13	<5	<1	<1	<1	<1	<1
Naphthalene ⁽⁸⁾	20 / 100	90	79	46	67	9.4	45
Polycyclic Aromatic Hydrocarbons (PAH) (Method 8270C)							
Acenaphthene	420	NA	NA	NA	NA	NA	NA
Anthracene	2,100	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.05	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.2	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.05	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	210	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	NA	NA	NA	NA	NA	NA
Chrysene	5	NA	NA	NA	NA	NA	NA
Fluoranthene	280	NA	NA	NA	NA	NA	NA
Fluorene	280	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.05	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	280	NA	NA	NA	NA	NA	NA
Naphthalene	20	NA	NA	NA	NA	NA	NA
Phenanthrene	210	NA	NA	NA	NA	NA	NA
Pyrene	210	NA	NA	NA	NA	NA	NA

Prepared by John Rice 4/22/2021
Checked by Elizabeth Penta 4/23/2021

NOTES:
NA = Not Analyzed
(1) Concentrations reported in micrograms per liter (ug/L)
(2) AGQS refers to New Hampshire's Ambient Groundwater Quality Standards Oil and Remediation Rules Env-Wm 1403 (February 24, 1999) and Env-Wm 1403.05 (September 22, 2005). Concentrations in shaded boxes exceed AGQS in effect at that time.
(3) Alkylbenzenes are comprised of the following seven compounds: 1,2,4 trimethylbenzene, 1,3,5 trimethylbenzene, n-propyl benzene, n-butyl benzene, p-isopropyl toluene, tert-butyl benzene and sec-butyl benzene.
(4) Prior to adoption of Env-Wm 1403.05, AGQS for alkylbenzenes was 50 ug/L.
(5) Constituent of Alkylbenzene value.
(6) TDS-3 installed in May 2003.
(7) FT-1 was not sampled in May 2003 because 0.72 inches of non-aqueous phase liquid was detected.
(8) AGQS for naphthalene changed from 20 ug/L to 100 ug/L in 9/1/2018

Table 4
Well TDS-3
Groundwater Analytical Results (2002 - 2019)
Former C.R. Bard Facility, Fitzwilliam, New Hampshire
NHDES # 198905021

	Well ID Date Sampled	TDS-3 ⁽⁶⁾ 5/7/2003	TDS-3 11/25/2003	TDS-3 4/27/2004	TDS-3 11/23/2004	TDS-3 4/29/2005	TDS-3 11/29/2005	TDS-3 4/14/2006	TDS-3 11/30/2006	TDS-3 4/11/2007	TDS-3 (DUP) 4/11/2007	TDS-3 11/20/2007	TDS-3 4/19/2008	TDS-3 4/7/2009	TDS-3 4/29/2010	TDS-3 4/13/2011	TDS-3 4/25/2012	TDS-3 4/30/2013
Analyte (ug/L) ⁽¹⁾	AGQS ⁽²⁾ (ug/L)																	
Volatile Organic Compounds (VOC) (Method 8260B)																		
Alkylbenzenes ⁽³⁾	NA ⁽⁴⁾	4	1	11	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4 trimethylbenzene ⁽⁶⁾	330	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5 trimethylbenzene ⁽⁶⁾	330	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-butylbenzene ⁽⁵⁾	260	-	-	-	-	-	<1	1	1	1	1	<1	1	<1	<1	1	<1	<1
n-propylbenzene ⁽⁵⁾	260	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
p-isopropyltoluene ⁽⁵⁾	260	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
sec-butylbenzene ⁽⁵⁾	260	-	-	-	-	-	2	3	2	3	3	1	3	2	3	3	1	2
tert-butylbenzene ⁽⁵⁾	260	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iso-propylbenzene	800	1	<1	3	<1	1	<1	<1	<1	<1	<1	<1	1	1	<1	1	<1	1
Benzene	5	1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	1,000	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	700	1	<1	4	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes (mixed isomers)	10,000	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1
Methyl-tertiary-butyl ether (MtBE)	13	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene ⁽⁸⁾	20 / 100	<5	<5	11	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Polycyclic Aromatic Hydrocarbons (PAH) (Method 8270C)																		
Acenaphthene	420	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	2,100	<0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.05	<0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.2	<0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.05	<0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	210	<0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	<0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	5	<0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	280	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	280	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.05	<0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	280	<0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	20	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	210	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	210	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Prepared by John Rice 4/22/2021
Checked by Elizabeth Penta 4/23/2021

- NOTES:
NA = Not Analyzed
(1) Concentrations reported in micrograms per liter (ug/L)
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(3) Alkylbenzenes are comprised of the following seven compounds: 1,2,4 trimethylbenzene, 1,3,5 trimethylbenzene, n-propyl benzene, n-butyl benzene, p-isopropyl toluene, tert-butyl benzene and sec-butyl benzene.
(4) Prior to adoption of Env-Wm 1403.05, AGQS for alkylbenzenes was 50 ug/L.
(5) Constituent of Alkylbenzene value.
(6) TDS-3 installed in May 2003.
(7) FT-1 was not sampled in May 2003 because 0.72 inches of non-aqueous phase liquid was detected.
(8) AGQS for naphthalene changed from 20 ug/L to 100 ug/L in 9/1/2018

Table 4
Well TDS-3
Groundwater Analytical Results (2002 - 2019)
Former C.R. Bard Facility, Fitzwilliam, New Hampshire
NHDES # 198905021

	Well ID	TDS-3	TDS-3	TDS-3	DUP (TDS-3)	TDS-3
	Date Sampled	4/30/2014	4/30/2015	4/21/2016	4/21/2016	4/12/2021
Analyte (ug/L) ⁽¹⁾	AGQS ⁽²⁾ (ug/L)					
Volatile Organic Compounds (VOC) (Method 8260B)						
Alkylbenzenes ⁽³⁾	NA ⁽⁴⁾	NA	NA	NA	NA	NA
1,2,4 trimethylbenzene ⁽⁶⁾	330	<1	<1	<1	<1	<1
1,3,5 trimethylbenzene ⁽⁶⁾	330	<1	<1	<1	<1	<1
n-butylbenzene ⁽⁵⁾	260	<1	<1	<1	<1	<1
n-propylbenzene ⁽⁵⁾	260	<1	<1	<1	<1	<1
p-isopropyltoluene ⁽⁵⁾	260	<1	<1	<1	<1	<1
sec-butylbenzene ⁽⁵⁾	260	2	2	2	2	1.9
tert-butylbenzene ⁽⁵⁾	260	<1	<1	<1	<1	<1
Iso-propylbenzene	800	1	1	<1	<1	<1
Benzene	5	<1	<1	<1	<1	<1
Toluene	1,000	<1	<1	<1	<1	<1
Ethylbenzene	700	<1	<1	<1	<1	<1
Xylenes (mixed isomers)	10,000	<1	<1	<1	<1	<1
Methyl-tertiary-butyl ether (MtBE)	13	<5	<5	<5	<5	<1
Naphthalene ⁽⁸⁾	20 / 100	<5	<5	<5	<5	<2
Polycyclic Aromatic Hydrocarbons (PAH) (Method 8270C)						
Acenaphthene	420	NA	NA	NA	NA	NA
Anthracene	2,100	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.05	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.2	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.05	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	210	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	NA	NA	NA	NA	NA
Chrysene	5	NA	NA	NA	NA	NA
Fluoranthene	280	NA	NA	NA	NA	NA
Fluorene	280	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.05	NA	NA	NA	NA	NA
2-Methylnaphthalene	280	NA	NA	NA	NA	NA
Naphthalene	20	NA	NA	NA	NA	NA
Phenanthrene	210	NA	NA	NA	NA	NA
Pyrene	210	NA	NA	NA	NA	NA

Prepard by John Rice 4/22/2021
Checked by Elizabeth Penta 4/23/2021

NOTES:
NA = Not Analyzed
(1) Concentrations reported in micrograms per liter (ug/L)
(2) AGQS refers to New Hampshire's Ambient Groundwater Quality Standards Oil and Remediation Rules Env-Wm 1403 (February 24, 1999) and Env-Wm 1403.05 (September 22, 2005). Concentrations in shaded boxes exceed AGQS in effect at that time.
(3) Alykylbenzenes are comprised of the following seven compounds: 1,2,4 trimethylbenzene, 1,3,5 trimethylbenzene, n-propyl benzene, n-butyl benzene, p-isopropyl toluene, tert-butyl benzene and sec-butyl benzene.
(4) Prior to adoption of Env-Wm 1403.05, AGQS for alkylbenzenes was 50 ug/L.
(5) Constituent of Alkylbenzene value.
(6) TDS-3 installed in May 2003.
(7) FT-1 was not sampled in May 2003 because 0.72 inches of non-aqueous phase liquid was detected.

Table 5
Well FT-1
Groundwater Analytical Results (2002 - 2019)
Former C.R. Bard Facility, Fitzwilliam, New Hampshire
NHDES # 198905021

	Well ID	FT-1	FT-1 (DUP)	FT-1	FT-1 (DUP)	FT-1	FT-1 ⁽⁷⁾	FT-1	FT-1	FT-1	FT-1	FT-1	FT-1
	Date Sampled	2/8/2002	2/8/2002	5/17/2002	5/17/2002	11/13/2002	11/25/2003	4/27/2004	11/23/2004	4/29/2005	11/29/2005	4/14/2006	11/30/2006
Analyte (ug/L) ⁽¹⁾	AGQS ⁽²⁾ (ug/L)												
Volatile Organic Compounds (VOC) (Method 8260B)													
Alkylbenzenes ⁽³⁾	NA ⁽⁴⁾	6	5	36	33	11	4	8	6	4	NA	NA	N/A
1,2,4 trimethylbenzene ⁽⁵⁾	330	-	-	-	-	-	-	-	-	-	6	2	9
1,3,5 trimethylbenzene ⁽⁵⁾	330	-	-	-	-	-	-	-	-	-	1	<1	<1
n-butylbenzene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	-	<1	1	<1
n-propylbenzene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	-	<1	<1	1
p-isopropyltoluene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	-	<1	<1	<1
sec-butylbenzene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	-	2	2	2
tert-butylbenzene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	-	<1	<1	<1
Iso-propylbenzene	800	<1	<1	1	<1	<1	<1	2	<1	1	<1	<1	<1
Benzene	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	1,000	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	700	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1
Xylenes (mixed isomers)	10,000	<1	<1	2	2	<1	<1	<1	<1	<1	<1	<1	<1
Methyl-tertiary-butyl ether (MtBE)	13	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene ⁽⁸⁾	20 / 100	<5	<5	17	14	12	13	7	<5	<5	6	<5	6
Polycyclic Aromatic Hydrocarbons (PAH) (Method 8270C)													
Acenaphthene	420	2	7	3	3	3	NA	NA	NA	NA	NA	NA	NA
Anthracene	2,100	2	7	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.05	<1	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.2	<1	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.05	<1	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	210	<1	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	<1	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA
Chrysene	5	<1	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	280	5	11	2	2	3	NA	NA	NA	NA	NA	NA	NA
Fluorene	280	3	11	4	4	5	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)prylene	0.05	<1	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	280	4	30	1	1	12	NA	NA	NA	NA	NA	NA	NA
Naphthalene	20	3	12	3	3	9	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	210	4	19	2	2	4	NA	NA	NA	NA	NA	NA	NA
Pyrene	210	2	8	1	1	2	NA	NA	NA	NA	NA	NA	NA

Prepared by John Rice 4/22/2021
Checked by Elizabeth Penta 4/23/2021

NOTES:
NA = Not Analyzed
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(3) Alkykylbenzenes are comprised of the following seven compounds: 1,2,4 trimethylbenzene, 1,3,5 trimethylbenzene, n-propyl benzene, n-butyl benzene, p-isopropyl toluene, tert-butyl benzene and sec-butyl benzene.
(4) Prior to adoption of Env-Wm 1403.05, AGQS for alkylbenzenes was 50 ug/L.
(5) Constituent of Alkylbenzene value.
(6) TDS-3 installed in May 2003.
(7) FT-1 was not sampled in May 2003 because 0.72 inches of non-aqueous phase liquid was detected.
(8) AGQS for naphthalene changed from 20 ug/L to 100 ug/L in 9/1/2018

Table 5
Well FT-1
Groundwater Analytical Results (2002 - 2019)
Former C.R. Bard Facility, Fitzwilliam, New Hampshire
NHDES # 198905021

	Well ID	FT-1	FT-1	FT-1 (Dup)	FT-1	FT-1	FT-1	FT-1	FT-1	FT-1	FT-1	FT-1	FT-1	FT-1	FT-1	FT-1	FT-1	FT-1
	Date Sampled	4/11/2007	11/20/2007	11/20/2007	4/19/2008	4/7/2009	4/29/2010	4/13/2011	4/25/2012	4/30/2013	4/30/2014	4/30/2015	4/21/2016	4/24/2017	4/19/2018	4/18/2019	4/9/2020	4/12/2021
Analyte (ug/L) ⁽¹⁾	AGQS ⁽²⁾ (ug/L)																	
Volatile Organic Compounds (VOC) (Method 8260B)																		
Alkylbenzenes ⁽³⁾	NA ⁽⁴⁾	NA	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4 trimethylbenzene ⁽⁵⁾	330	6	3	3	2	1	1	3	2	1	2	1	3	1	1	1	1.8	1.7
1,3,5 trimethylbenzene ⁽⁵⁾	330	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-butylbenzene ⁽⁵⁾	260	1	1	1	1	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-propylbenzene ⁽⁵⁾	260	1	<1	<1	2	<1	<1	1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1
p-isopropyltoluene ⁽⁵⁾	260	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
sec-butylbenzene ⁽⁵⁾	260	2	1	1	2	1	2	2	1	1	<1	1	<1	<1	<1	<1	<1	<1
tert-butylbenzene ⁽⁵⁾	260	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iso-propylbenzene	800	2	<1	<1	2	<1	<1	1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	1,000	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	700	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes (mixed isomers)	10,000	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl-tertiary-butyl ether (MtBE)	13	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1
Naphthalene ⁽⁶⁾	20 / 100	6	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	8	<5	<5	<5	2.6	2.3
Polycyclic Aromatic Hydrocarbons (PAH) (Method 8270C)																		
Acenaphthene	420	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	2,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)prylene	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Prepared by John Rice 4/22/2021
Checked by Elizabeth Penta 4/23/2021

NOTES:
NA = Not Analyzed
(1) Concentrations reported in micrograms per liter (ug/L)
(2) AGQS refers to New Hampshire's Ambient Groundwater Quality Standards Oil and Remediation Rules Env-Wm 1403 (February 24, 1999) and Env-Wm 1403.05 (September 22, 2005). Concentrations in shaded boxes exceed AGQS in effect at that time.
(3) Alkylbenzenes are comprised of the following seven compounds: 1,2,4 trimethylbenzene, 1,3,5 trimethylbenzene, n-propyl benzene, n-butyl benzene, p-isopropyl toluene, tert-butyl benzene and sec-butyl benzene.
(4) Prior to adoption of Env-Wm 1403.05, AGQS for alkylbenzenes was 50 ug/L.
(5) Constituent of Alkylbenzene value.
(6) TDS-3 installed in May 2003.
(7) FT-1 was not sampled in May 2003 because 0.72 inches of non-aqueous phase liquid was detected.
(8) AGQS for naphthalene changed from 20 ug/L to 100 ug/L in 9/1/2018

Table 6
Well T1-B
Groundwater Analytical Results (2002 - 2019)
Former C.R. Bard Facility, Fitzwilliam, New Hampshire
NHDES # 198905021

	Well ID	T1-B	T1-B	T1-B	T1-B	T1-B (DUP)	T1-B	T1-B	T1-B	T1-B (DUP)	T1-B	T1-B	T1-B	T1-B
	Date Sampled	2/8/2002	5/17/2002	11/13/2002	5/7/2003	5/7/2003	11/25/2003	4/27/2004	11/23/2004	11/23/2004	4/29/2005	11/29/2005	4/14/2006	11/30/2006
Analyte (ug/L) ⁽⁴⁾	AGQS ⁽²⁾ (ug/L)													
Volatile Organic Compounds (VOC) (Method 8260B)														
Alkylbenzenes ⁽³⁾	NA ⁽⁴⁾	510	124	209	248	233	326	8	376	343	358	NA	NA	NA
1,2,4 trimethylbenzene ⁽⁵⁾	330	-	-	-	-	-	-	-	-	-	-	260	240	240
1,3,5 trimethylbenzene ⁽⁵⁾	330	-	-	-	-	-	-	-	-	-	-	32	39	17
n-butylbenzene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	-	-	12	14	11
n-propylbenzene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	-	-	29	27	26
p-isopropyltoluene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	-	-	7	8	7
sec-butylbenzene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	-	-	6	6	6
tert-butylbenzene ⁽⁵⁾	260	-	-	-	-	-	-	-	-	-	-	<2	<2	<1
Iso-propylbenzene	800	20	4	6	11	11	16	2	17	17	19	16	15	15
Benzene	5	<10	<2	<1	<1	<1	2	<1	<1	<1	<1	<2	<2	<2
Toluene	1,000	<10	<2	<1	1	1	<1	<1	<1	1	<1	<2	<2	<2
Ethylbenzene	700	80	10	26	48	49	63	1	61	58	51	48	42	47
Xylenes (mixed isomers)	10,000	110	16	38	67	65	76	<1	73	73	68	55	61	44
Methyl-tertiary-butyl ether (MTBE)	13	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene ⁽⁸⁾	20 / 100	430	100	260	230	230	280	7	300	400	340	350	330	320
Polycyclic Aromatic Hydrocarbons (PAH) (Method 8270C)														
Acenaphthene	420	17	4	5	2.1	1.8	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	2,100	17	<1	<1	<0.1	<0.1	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.05	<5	<1	<1	<0.1	<0.1	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.2	<5	<1	<1	<0.1	<0.1	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.05	<5	<1	<1	<0.1	<0.1	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	210	<5	<1	<1	<0.1	<0.1	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	<5	<1	<1	<0.1	<0.1	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	5	<5	<1	<1	<0.1	<0.1	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	280	<5	<1	<1	<0.1	0.2	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	280	31	5	7	2.5	2.4	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.05	<5	<1	<1	<0.1	<0.1	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	280	600	98	37	48	43	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	20	430	120	130	83	68	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	210	59	3	<1	1.1	1.2	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	210	7	1	<1	0.3	0.4	NA	NA	NA	NA	NA	NA	NA	NA

Prepard by John Rice 4/22/2021
Checked by Elizabeth Penta 4/23/2021

NOTES:
NA = Not Analyzed
(1) Concentrations reported in micrograms per liter (ug/L)
(2) AGQS refers to New Hampshire's Ambient Groundwater Quality Standards Oil and Remediation Rules Env-Wm 1403 (February 24, 1999) and Env-Wm 1403.05 (September 22, 2005). Concentrations in shaded boxes exceed AGQS in effect at that time.
(3) Alkylbenzenes are comprised of the following seven compounds: 1,2,4 trimethylbenzene, 1,3,5 trimethylbenzene, n-propyl benzene, n-butyl benzene, p-isopropyl toluene, tert-butyl benzene and sec-butyl benzene.
(4) Prior to adoption of Env-Wm 1403.05, AGQS for alkylbenzenes was 50 ug/L.
(5) Constituent of Alkylbenzene value.
(6) TDS-3 installed in May 2003.
(7) FT-1 was not sampled in May 2003 because 0.72 inches of non-aqueous phase liquid was detected.
(8) AGQS for naphthalene changed from 20 ug/L to 100 ug/L in 9/1/2018

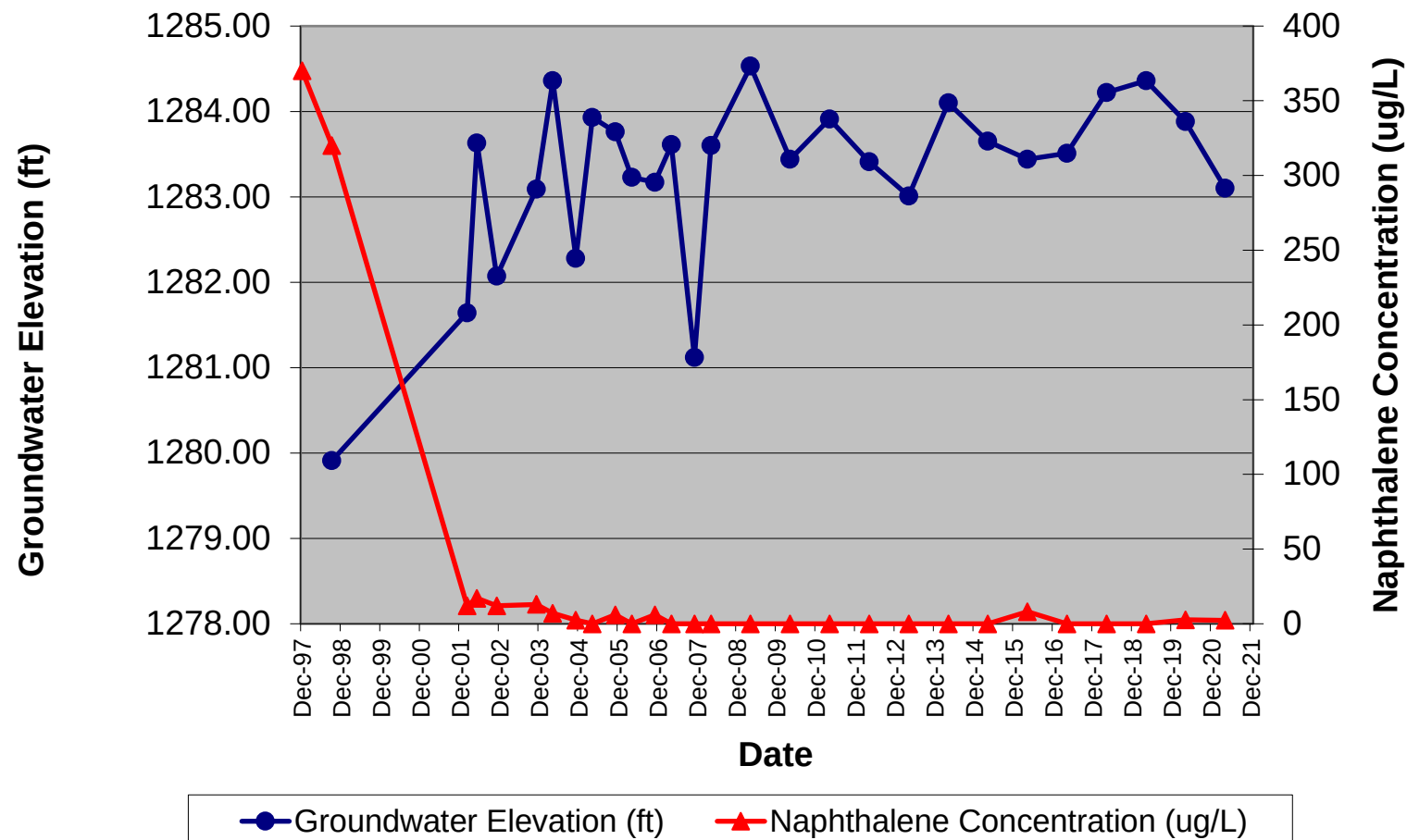
Table 6
Well T1-B
Groundwater Analytical Results (2002 - 2019)
Former C.R. Bard Facility, Fitzwilliam, New Hampshire
NHDES # 198905021

	Well ID	T1-B	T1-B	T1-B	T1-B	T1-B	T1-B	T1-B	T1-B	T1-B	T1-B	T1-B	T1-B	T1-B	T1-B	T1-B	T1-B	Dup (T1-B)
	Date Sampled	4/11/2007	11/20/2007	4/19/2008	4/7/2009	4/29/2010	4/13/2011	4/25/2012	4/30/2013	4/30/2014	4/30/2015	4/21/2016	4/24/2017	4/19/2018	4/18/2019	4/9/2020	4/15/2020	4/15/2020
Analyte (ug/L) ⁽⁴⁾	AGQS ⁽²⁾ (ug/L)																	
Volatile Organic Compounds (VOC) (Method 8260B)																		
Alkylbenzenes ⁽³⁾	NA ⁽⁴⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4 trimethylbenzene ⁽⁵⁾	330	190	270	220	80	180	140	150	150	200	130	210	190	200	200	270	220	220
1,3,5 trimethylbenzene ⁽⁵⁾	330	16	13	5	22	<1	<1	<1	<1	<1	<1	<1	<2	<1	69	<1	<1	<1
n-butylbenzene ⁽⁵⁾	260	6	17	8	3	8 J	10	6	8	10	8	13	10	13	14	<1	<1	<1
n-propylbenzene ⁽⁵⁾	260	24	24	29	5	21	21	17	24	26	18	27	28	29	34	32	27	27
p-isopropyltoluene ⁽⁵⁾	260	7	10	8	5	8	8	6	8	9	7	9	8	9.4	11	10	9.2	9.3
sec-butylbenzene ⁽⁵⁾	260	6	7	7	2	5	7	4	6	8	6	8	8	8.7	10	9.4	8.5	8.5
tert-butylbenzene ⁽⁵⁾	260	<2	<2	<2	<1	1	1	1	1	<2	<1	2	<2	1.6	1.8	<1	1.6	1.6
Iso-propylbenzene	800	12	14	16	3	11	10	9	14	13	10	15	14	15	17	17	13	13
Benzene	5	<2	<2	<2	<2	<1	<1	<1	<1	<2	<1	<1	<2	<1	<1	<1	<1	<1
Toluene	1,000	<2	<2	<2	<1	<1	<1	<1	<1	<2	<1	<1	<2	<1	<1	<1	<1	<1
Ethylbenzene	700	32	45	47	7	34	14	20	35	30	23	35	34	33	36	31	25	25
Xylenes (mixed isomers)	10,000	36	46	48	11	35	14	24	38	33	27	39	39	36.4	39	34.9	26.8	26.8
Methyl-tertiary-butyl ether (MTBE)	13	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	<1	<1	<1	<1	<1
Naphthalene ⁽⁸⁾	20 / 100	240	330	340	79	230	170	180	230	240	160	270	270	210	230	240	180	170
Polycyclic Aromatic Hydrocarbons (PAH) (Method 8270C)																		
Acenaphthene	420	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	2,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Prepard by John Rice 4/22/2021
Checked by Elizabeth Penta 4/23/2021

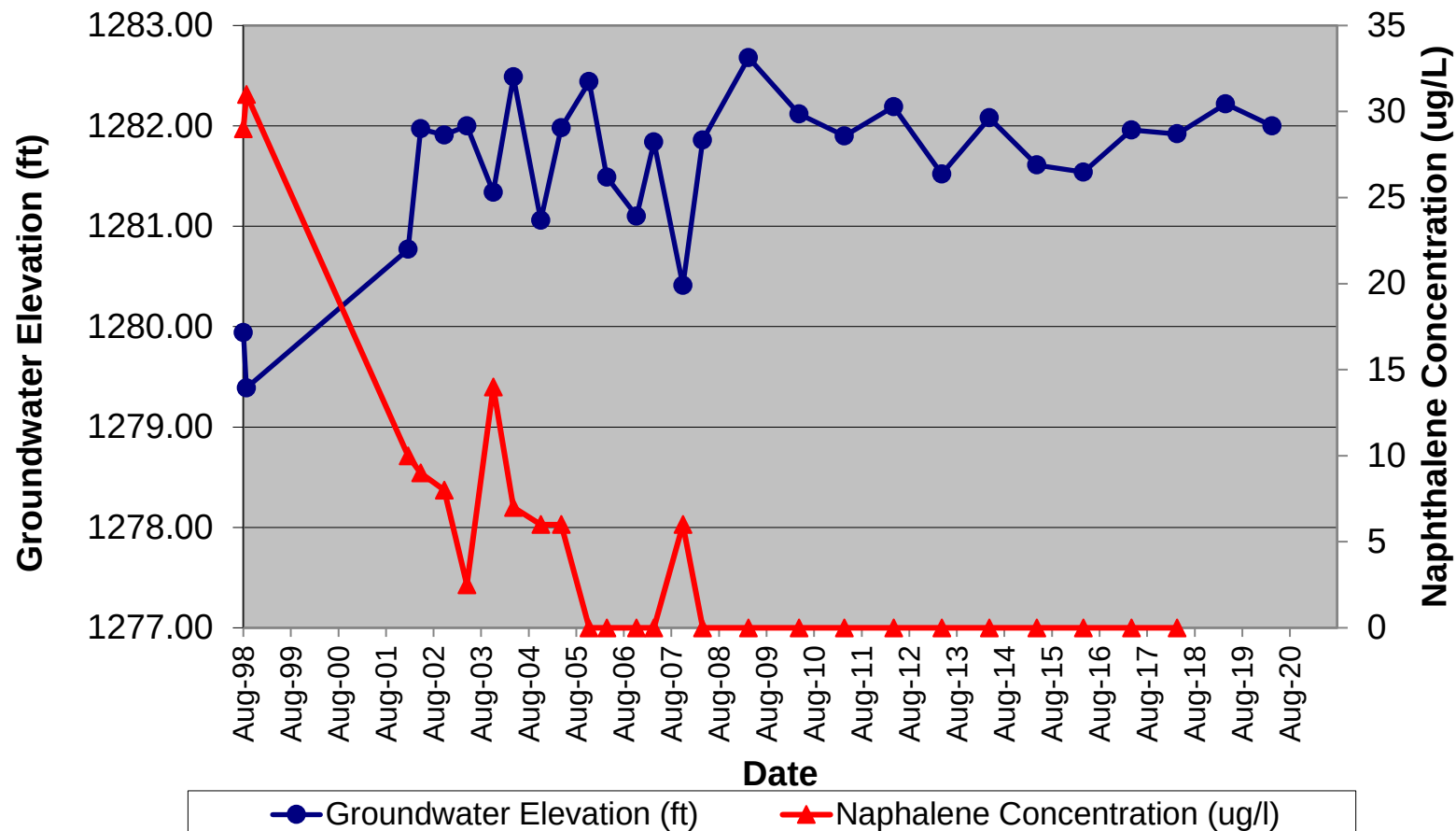
NOTES:
NA = Not Analyzed
(1) Concentrations reported in micrograms per liter (ug/L)
(2) AGQS refers to New Hampshire's Ambient Groundwater Quality Standards Oil and Remediation Rules Env-Wm 1403 (February 24, 1999) and Env-Wm 1403.05 (September 22, 2005). Concentrations in shaded boxes exceed AGQS in effect at that time.
(3) Alkylbenzenes are comprised of the following seven compounds: 1,2,4 trimethylbenzene, 1,3,5 trimethylbenzene, n-propyl benzene, n-butyl benzene, p-isopropyl toluene, tert-butyl benzene and sec-butyl benzene.
(4) Prior to adoption of Env-Wm 1403.05, AGQS for alkylbenzenes was 50 ug/L.
(5) Constituent of Alkylbenzene value.
(6) TDS-3 installed in May 2003.
(7) FT-1 was not sampled in May 2003 because 0.72 inches of non-aqueous phase liquid was detected.
(8) AGQS for naphthalene changed from 20 ug/L to 100 ug/L in 9/1/2018

Figure 2. Plot of Naphthalene Concentration and Water Level Data Over Time in FT-1



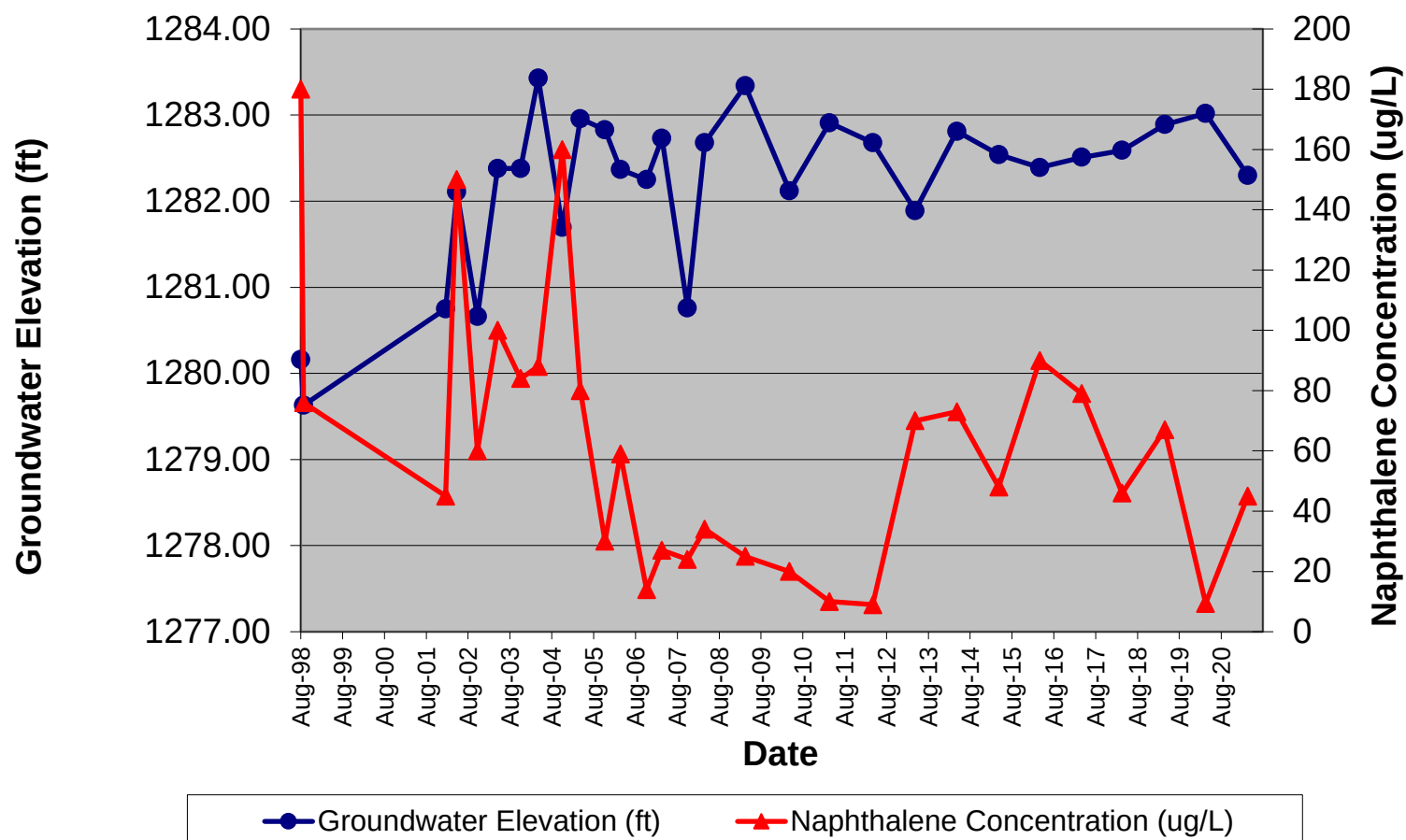
Note: The New Hampshire Ambient Groundwater Quality Standard (AGQS) for naphthalene changed from 20 ug/L to 100 ug/L on 9/1/2018

Figure 3. Plot of Naphthalene Concentration and Water Level Data Over Time in TDS-1



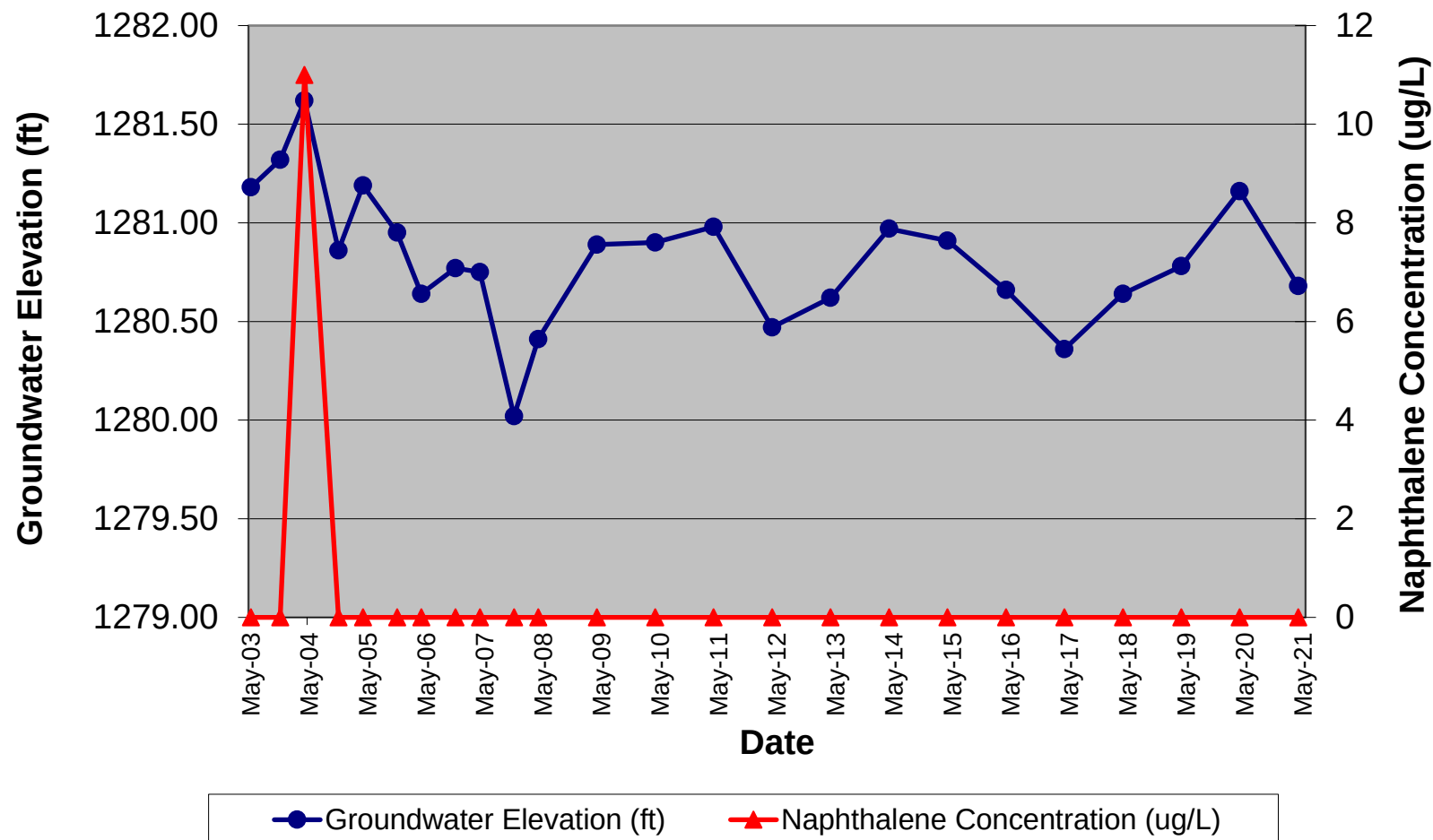
Note: The New Hampshire Ambient Groundwater Quality Standard (AGQS) for naphthalene changed from 20 ug/L to 100 ug/L on 9/1/2018

Figure 4. Plot of Naphthalene Concentration and Water Level Data Over Time in TDS-2



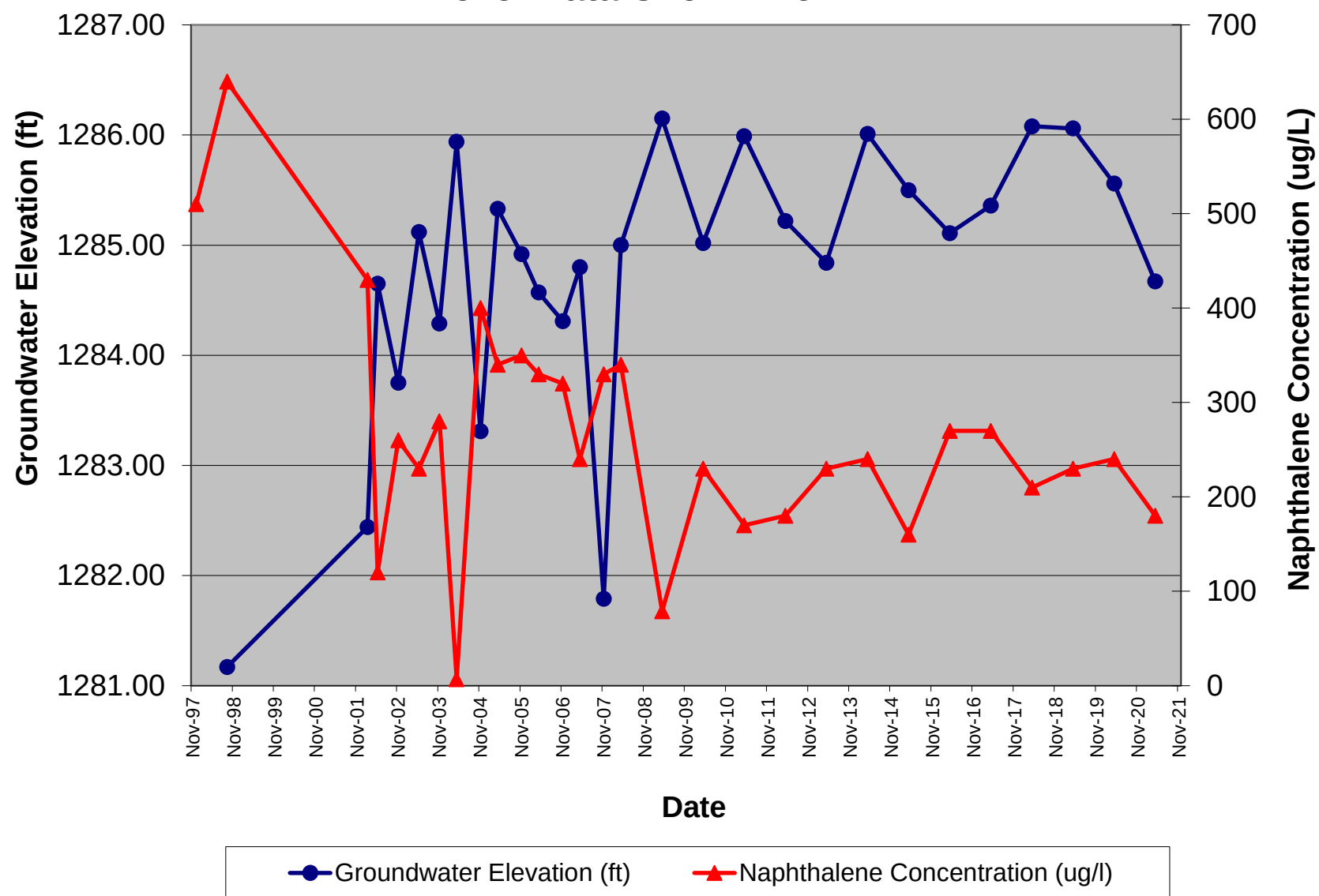
Note: The New Hampshire Ambient Groundwater Quality Standard (AGQS) for naphthalene changed from 20 ug/L to 100 ug/L on 9/1/2018

Figure 5. Plot of Naphthalene Concentration and Water Level Data Over Time in TDS-3



Note: The New Hampshire Ambient Groundwater Quality Standard (AGQS) for naphthalene changed from 20 ug/L to 100 ug/L on 9/1/2018

Figure 6. Plot of Naphthalene Concentration and Water Level Data Over Time in T1-B



Note: The New Hampshire Ambient Groundwater Quality Standard (AGQS) for naphthalene changed from 20 ug/L to 100 ug/L on 9/1/2018

ATTACHMENT 3

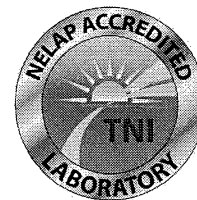
Laboratory Reports



Eastern Analytical, Inc.

professional laboratory and drilling services

John Rice
Wood Group
Quorum Office Park, 271 Mill Road
Chelmsford, MA 01824



Laboratory Report for:

Eastern Analytical, Inc. ID: 224493
Client Identification: CR Bard | 3651210160.0100.****
Date Received: 4/12/2021

Enclosed are the analytical results per the Chain of Custody for sample(s) in the referenced project. All analyses were performed in accordance with our QA/QC Program, NELAP and other applicable state requirements. All quality control criteria was within acceptance criteria unless noted on the report pages. Results are for the exclusive use of the client named on this report and will not be released to a third party without consent.

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the written approval of the laboratory.

The following standard abbreviations and conventions apply to all EAI reports:

- < : "less than" followed by the reporting limit
- > : "greater than" followed by the reporting limit
- %R : % Recovery

Certifications:

Eastern Analytical, Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269), Vermont (VT1012), New York (12072), West Virginia (9910C) and Alabama (41620). Please refer to our website at www.easternanalytical.com for a copy of our certificates and accredited parameters.

References:

- EPA 600/4-79-020, 1983
- Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd edition or noted revision year.
- Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- Hach Water Analysis Handbook, 4th edition, 1992

If you have any questions regarding the results contained within, please feel free to contact customer service. Unless otherwise requested, we will dispose of the sample(s) 6 weeks from the sample receipt date.

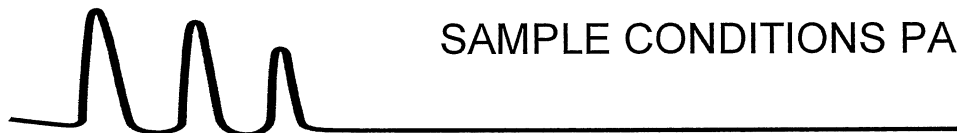
We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,


Lorraine Olashaw, Lab Director

4.23.21
Date

8
of pages (excluding cover letter)



SAMPLE CONDITIONS PAGE

EAI ID#: 224493

Client: Wood Group

Client Designation: CR Bard | 3651210160.0100.****

Temperature upon receipt (°C): 1.9

Received on ice or cold packs (Yes/No): Y

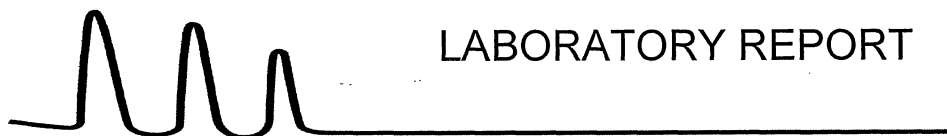
Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date/Time Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
224493.01	Trip Blank	4/12/21	3/23/21 15:30	aqueous		Adheres to Sample Acceptance Policy
224493.02	DUP-1	4/12/21	4/12/21 00:00	aqueous		Adheres to Sample Acceptance Policy
224493.03	T1-B	4/12/21	4/12/21 10:55	aqueous		Adheres to Sample Acceptance Policy
224493.04	TDS-3	4/12/21	4/12/21 11:50	aqueous		Adheres to Sample Acceptance Policy
224493.05	FT-1	4/12/21	4/12/21 12:40	aqueous		Adheres to Sample Acceptance Policy
224493.06	TDS-2	4/12/21	4/12/21 13:25	aqueous		Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.
- Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.
- Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.
- Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.



LABORATORY REPORT

EAI ID#: **224493**

Client: **Wood Group**

Client Designation: **CR Bard | 3651210160.0100.******

Sample ID:	Trip Blank	DUP-1	T1-B	TDS-3
Lab Sample ID:	224493.01	224493.02	224493.03	224493.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	3/23/21	4/12/21	4/12/21	4/12/21
Date Received:	4/12/21	4/12/21	4/12/21	4/12/21
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	4/15/21	4/15/21	4/15/21	4/15/21
Analyst:	SG	SG	SG	SG
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Dichlorodifluoromethane	< 2	< 2	< 2	< 2
Chloromethane	< 2	< 2	< 2	< 2
Vinyl chloride	< 1	< 1	< 1	< 1
Bromomethane	< 2	< 2	< 2	< 2
Chloroethane	< 2	< 2	< 2	< 2
Trichlorofluoromethane	< 2	< 2	< 2	< 2
Diethyl Ether	< 2	< 2	< 2	< 2
Acetone	< 10	< 10	< 10	< 10
1,1-Dichloroethene	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butyl Alcohol (TBA)	< 30	< 30	< 30	< 30
Methylene chloride	< 1	< 1	< 1	< 1
Carbon disulfide	< 2	< 2	< 2	< 2
Methyl-t-butyl ether(MTBE)	< 1	< 1	< 1	< 1
Ethyl-t-butyl ether(ETBE)	< 2	< 2	< 2	< 2
Isopropyl ether(DIPE)	< 2	< 2	< 2	< 2
tert-amyl methyl ether(TAME)	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1
2,2-Dichloropropane	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	< 1	< 1	< 1	< 1
2-Butanone(MEK)	< 10	< 10	< 10	< 10
Bromochloromethane	< 1	< 1	< 1	< 1
Tetrahydrofuran(THF)	< 10	< 10	< 10	< 10
Chloroform	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1
Carbon tetrachloride	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 1	< 1	< 1
Benzene	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 1	< 1
Trichloroethene	< 1	< 1	< 1	< 1
1,2-Dichloropropane	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1
Bromodichloromethane	< 0.5	< 0.5	< 0.5	< 0.5
1,4-Dioxane	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10	< 10
cis-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1
2-Hexanone	< 10	< 10	< 10	< 10
Tetrachloroethene	< 1	< 1	< 1	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1
1,2-Dibromoethane(EDB)	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1



LABORATORY REPORT

EAI ID#: **224493**

Client: **Wood Group**

Client Designation: **CR Bard | 3651210160.0100.******

Sample ID:	Trip Blank	DUP-1	T1-B	TDS-3
Lab Sample ID:	224493.01	224493.02	224493.03	224493.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	3/23/21	4/12/21	4/12/21	4/12/21
Date Received:	4/12/21	4/12/21	4/12/21	4/12/21
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	4/15/21	4/15/21	4/15/21	4/15/21
Analyst:	SG	SG	SG	SG
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Ethylbenzene	< 1	25	25	< 1
mp-Xylene	< 1	22	22	< 1
o-Xylene	< 1	4.8	4.8	< 1
Styrene	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2
IsoPropylbenzene	< 1	13	13	< 1
Bromobenzene	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	< 0.5	< 0.5	< 0.5	< 0.5
n-Propylbenzene	< 1	27	27	< 1
2-Chlorotoluene	< 1	< 1	< 1	< 1
4-Chlorotoluene	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1
tert-Butylbenzene	< 1	1.6	1.6	< 1
1,2,4-Trimethylbenzene	< 1	220	220	< 1
sec-Butylbenzene	< 1	8.5	8.5	1.9
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1
p-Isopropyltoluene	< 1	9.3	9.2	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1
n-Butylbenzene	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	< 2	< 2	< 2	< 2
1,3,5-Trichlorobenzene	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	< 2	170	180	< 2
1,2,3-Trichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr)	101 %R	104 %R	104 %R	103 %R
1,2-Dichlorobenzene-d4 (surr)	99 %R	99 %R	99 %R	99 %R
Toluene-d8 (surr)	99 %R	99 %R	99 %R	98 %R
1,2-Dichloroethane-d4 (surr)	102 %R	101 %R	101 %R	103 %R



LABORATORY REPORT

EAI ID#: 224493

Client: **Wood Group**

Client Designation: **CR Bard | 3651210160.0100.******

Sample ID:	FT-1	TDS-2
Lab Sample ID:	224493.05	224493.06
Matrix:	aqueous	aqueous
Date Sampled:	4/12/21	4/12/21
Date Received:	4/12/21	4/12/21
Units:	ug/L	ug/L
Date of Analysis:	4/15/21	4/15/21
Analyst:	SG	SG
Method:	8260C	8260C
Dilution Factor:	1	1

Dichlorodifluoromethane	< 2	< 2
Chloromethane	< 2	< 2
Vinyl chloride	< 1	< 1
Bromomethane	< 2	< 2
Chloroethane	< 2	< 2
Trichlorofluoromethane	< 2	< 2
Diethyl Ether	< 2	< 2
Acetone	< 10	< 10
1,1-Dichloroethene	< 0.5	< 0.5
tert-Butyl Alcohol (TBA)	< 30	< 30
Methylene chloride	< 1	< 1
Carbon disulfide	< 2	< 2
Methyl-t-butyl ether(MTBE)	< 1	< 1
Ethyl-t-butyl ether(ETBE)	< 2	< 2
Isopropyl ether(DIPE)	< 2	< 2
tert-amyl methyl ether(TAME)	< 2	< 2
trans-1,2-Dichloroethene	< 1	< 1
1,1-Dichloroethane	< 1	< 1
2,2-Dichloropropane	< 1	< 1
cis-1,2-Dichloroethene	< 1	< 1
2-Butanone(MEK)	< 10	< 10
Bromochloromethane	< 1	< 1
Tetrahydrofuran(THF)	< 10	< 10
Chloroform	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1
Carbon tetrachloride	< 1	< 1
1,1-Dichloropropene	< 1	< 1
Benzene	< 1	1.6
1,2-Dichloroethane	< 1	< 1
Trichloroethene	< 1	< 1
1,2-Dichloropropane	< 1	< 1
Dibromomethane	< 1	< 1
Bromodichloromethane	< 0.5	< 0.5
1,4-Dioxane	< 50	< 50
4-Methyl-2-pentanone(MIBK)	< 10	< 10
cis-1,3-Dichloropropene	< 0.5	< 0.5
Toluene	< 1	< 1
trans-1,3-Dichloropropene	< 0.5	< 0.5
1,1,2-Trichloroethane	< 1	< 1
2-Hexanone	< 10	< 10
Tetrachloroethene	< 1	< 1
1,3-Dichloropropane	< 1	< 1
Dibromochloromethane	< 1	< 1
1,2-Dibromoethane(EDB)	< 0.5	< 0.5
Chlorobenzene	< 1	< 1
1,1,1,2-Tetrachloroethane	< 1	< 1



LABORATORY REPORT

EAI ID#: 224493

Client: Wood Group

Client Designation: CR Bard | 3651210160.0100.****

Sample ID:	FT-1	TDS-2
Lab Sample ID:	224493.05	224493.06
Matrix:	aqueous	aqueous
Date Sampled:	4/12/21	4/12/21
Date Received:	4/12/21	4/12/21
Units:	ug/L	ug/L
Date of Analysis:	4/15/21	4/15/21
Analyst:	SG	SG
Method:	8260C	8260C
Dilution Factor:	1	1
Ethylbenzene	< 1	6.9
mp-Xylene	< 1	4.6
o-Xylene	< 1	< 1
Styrene	< 1	< 1
Bromoform	< 2	< 2
IsoPropylbenzene	< 1	4.3
Bromobenzene	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1
1,2,3-Trichloropropane	< 0.5	< 0.5
n-Propylbenzene	< 1	7.1
2-Chlorotoluene	< 1	< 1
4-Chlorotoluene	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1
tert-Butylbenzene	< 1	< 1
1,2,4-Trimethylbenzene	1.7	62
sec-Butylbenzene	< 1	2.5
1,3-Dichlorobenzene	< 1	< 1
p-Isopropyltoluene	< 1	2.5
1,4-Dichlorobenzene	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1
n-Butylbenzene	< 1	< 1
1,2-Dibromo-3-chloropropane	< 2	< 2
1,3,5-Trichlorobenzene	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1
Hexachlorobutadiene	< 0.5	< 0.5
Naphthalene	2.3	45
1,2,3-Trichlorobenzene	< 0.5	< 0.5
4-Bromofluorobenzene (surr)	102 %R	103 %R
1,2-Dichlorobenzene-d4 (surr)	99 %R	99 %R
Toluene-d8 (surr)	99 %R	98 %R
1,2-Dichloroethane-d4 (surr)	97 %R	100 %R



QC REPORT

EAI ID#: 224493

Client: Wood Group

Batch ID: 637540-94533/A041521V82601

Client Designation: CR Bard | 3651210160.0100.****

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 2	19 (97 %R)	20 (100 %R) (3 RPD)	4/15/2021	ug/L	40 - 160	20	8260C
Chloromethane	< 2	19 (97 %R)	20 (100 %R) (3 RPD)	4/15/2021	ug/L	40 - 160	20	8260C
Vinyl chloride	< 1	23 (115 %R)	24 (118 %R) (3 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Bromomethane	< 2	16 (78 %R)	16 (82 %R) (5 RPD)	4/15/2021	ug/L	40 - 160	20	8260C
Chloroethane	< 2	20 (98 %R)	20 (101 %R) (3 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Trichlorofluoromethane	< 2	21 (106 %R)	22 (108 %R) (2 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Diethyl Ether	< 2	19 (94 %R)	20 (98 %R) (4 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Acetone	< 10	19 (97 %R)	21 (103 %R) (6 RPD)	4/15/2021	ug/L	40 - 160	20	8260C
1,1-Dichloroethene	< 0.5	21 (104 %R)	21 (106 %R) (2 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
tert-Butyl Alcohol (TBA)	< 30	96 (96 %R)	100 (102 %R) (6 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Methylene chloride	< 1	19 (93 %R)	19 (96 %R) (4 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Carbon disulfide	< 2	19 (95 %R)	20 (98 %R) (3 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Methyl-t-butyl ether(MTBE)	< 1	19 (97 %R)	20 (101 %R) (5 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Ethyl-t-butyl ether(ETBE)	< 2	20 (99 %R)	21 (104 %R) (4 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Isopropyl ether(DIPE)	< 2	20 (98 %R)	20 (102 %R) (4 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
tert-amyl methyl ether(TAME)	< 2	20 (98 %R)	21 (103 %R) (5 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
trans-1,2-Dichloroethene	< 1	21 (104 %R)	21 (107 %R) (3 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,1-Dichloroethane	< 1	20 (102 %R)	21 (105 %R) (3 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
2,2-Dichloropropane	< 1	21 (104 %R)	21 (106 %R) (1 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
cis-1,2-Dichloroethene	< 1	20 (100 %R)	21 (104 %R) (4 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
2-Butanone(MEK)	< 10	19 (94 %R)	20 (100 %R) (6 RPD)	4/15/2021	ug/L	40 - 160	20	8260C
Bromochloromethane	< 1	21 (103 %R)	21 (107 %R) (3 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Tetrahydrofuran(THF)	< 10	19 (95 %R)	20 (101 %R) (6 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Chloroform	< 1	18 (91 %R)	19 (94 %R) (4 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,1,1-Trichloroethane	< 1	20 (101 %R)	21 (104 %R) (2 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Carbon tetrachloride	< 1	20 (100 %R)	21 (103 %R) (3 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,1-Dichloropropene	< 1	20 (102 %R)	21 (105 %R) (3 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Benzene	< 1	20 (102 %R)	21 (105 %R) (3 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,2-Dichloroethane	< 1	19 (94 %R)	20 (100 %R) (6 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Trichloroethene	< 1	20 (100 %R)	21 (103 %R) (3 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,2-Dichloropropane	< 1	20 (100 %R)	21 (104 %R) (3 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Dibromomethane	< 1	19 (97 %R)	20 (102 %R) (5 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Bromodichloromethane	< 0.5	20 (101 %R)	21 (105 %R) (4 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,4-Dioxane	< 50	< 50 (103 %R)	< 50 (112 %R) (8 RPD)	4/15/2021	ug/L	40 - 160	20	8260C
4-Methyl-2-pentanone(MIBK)	< 10	19 (94 %R)	20 (99 %R) (6 RPD)	4/15/2021	ug/L	40 - 160	20	8260C
cis-1,3-Dichloropropene	< 0.5	19 (97 %R)	20 (101 %R) (4 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Toluene	< 1	20 (99 %R)	20 (101 %R) (2 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
trans-1,3-Dichloropropene	< 0.5	20 (100 %R)	21 (103 %R) (4 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,1,2-Trichloroethane	< 1	19 (97 %R)	20 (101 %R) (4 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
2-Hexanone	< 10	18 (90 %R)	19 (94 %R) (5 RPD)	4/15/2021	ug/L	40 - 160	20	8260C
Tetrachloroethene	< 1	20 (100 %R)	20 (102 %R) (2 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,3-Dichloropropane	< 1	19 (94 %R)	19 (97 %R) (4 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Dibromochloromethane	< 1	19 (97 %R)	20 (101 %R) (4 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,2-Dibromoethane(EDB)	< 0.5	19 (95 %R)	20 (99 %R) (4 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Chlorobenzene	< 1	20 (100 %R)	21 (103 %R) (2 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,1,1,2-Tetrachloroethane	< 1	20 (99 %R)	21 (103 %R) (3 RPD)	4/15/2021	ug/L	70 - 130	20	8260C



QC REPORT

EAI ID#: **224493**Client: **Wood Group**

Batch ID: 637540-94533/A041521V82601

Client Designation: **CR Bard | 3651210160.0100.******

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Ethylbenzene	< 1	20 (102 %R)	21 (105 %R) (3 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
mp-Xylene	< 1	40 (100 %R)	41 (103 %R) (3 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
o-Xylene	< 1	20 (101 %R)	21 (104 %R) (3 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Styrene	< 1	20 (102 %R)	21 (106 %R) (4 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Bromoform	< 2	20 (100 %R)	21 (105 %R) (5 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
IsoPropylbenzene	< 1	21 (103 %R)	21 (106 %R) (3 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Bromobenzene	< 1	20 (98 %R)	20 (101 %R) (3 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,1,2,2-Tetrachloroethane	< 1	19 (93 %R)	19 (96 %R) (3 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,2,3-Trichloropropane	< 0.5	18 (92 %R)	19 (95 %R) (3 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
n-Propylbenzene	< 1	21 (103 %R)	21 (104 %R) (1 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
2-Chlorotoluene	< 1	20 (101 %R)	21 (103 %R) (2 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
4-Chlorotoluene	< 1	20 (100 %R)	20 (102 %R) (2 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,3,5-Trimethylbenzene	< 1	20 (101 %R)	21 (103 %R) (2 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
tert-Butylbenzene	< 1	20 (102 %R)	21 (103 %R) (1 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,2,4-Trimethylbenzene	< 1	20 (102 %R)	21 (103 %R) (2 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
sec-Butylbenzene	< 1	21 (106 %R)	21 (107 %R) (1 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,3-Dichlorobenzene	< 1	20 (100 %R)	20 (102 %R) (2 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
p-Isopropyltoluene	< 1	21 (103 %R)	21 (104 %R) (1 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,4-Dichlorobenzene	< 1	20 (98 %R)	20 (100 %R) (2 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,2-Dichlorobenzene	< 1	20 (98 %R)	20 (101 %R) (2 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
n-Butylbenzene	< 1	20 (102 %R)	21 (103 %R) (1 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,2-Dibromo-3-chloropropane	< 2	19 (94 %R)	20 (98 %R) (4 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,3,5-Trichlorobenzene	< 1	20 (101 %R)	20 (102 %R) (1 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,2,4-Trichlorobenzene	< 1	20 (98 %R)	20 (99 %R) (1 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Hexachlorobutadiene	< 0.5	19 (97 %R)	19 (97 %R) (0 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
Naphthalene	< 2	19 (95 %R)	19 (97 %R) (2 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
1,2,3-Trichlorobenzene	< 0.5	19 (96 %R)	20 (98 %R) (2 RPD)	4/15/2021	ug/L	70 - 130	20	8260C
4-Bromofluorobenzene (surr)	100 %R	99 %R	101 %R	4/15/2021	% Rec	70 - 130	20	8260C
1,2-Dichlorobenzene-d4 (surr)	99 %R	99 %R	100 %R	4/15/2021	% Rec	70 - 130	20	8260C
Toluene-d8 (surr)	99 %R	99 %R	98 %R	4/15/2021	% Rec	70 - 130	20	8260C

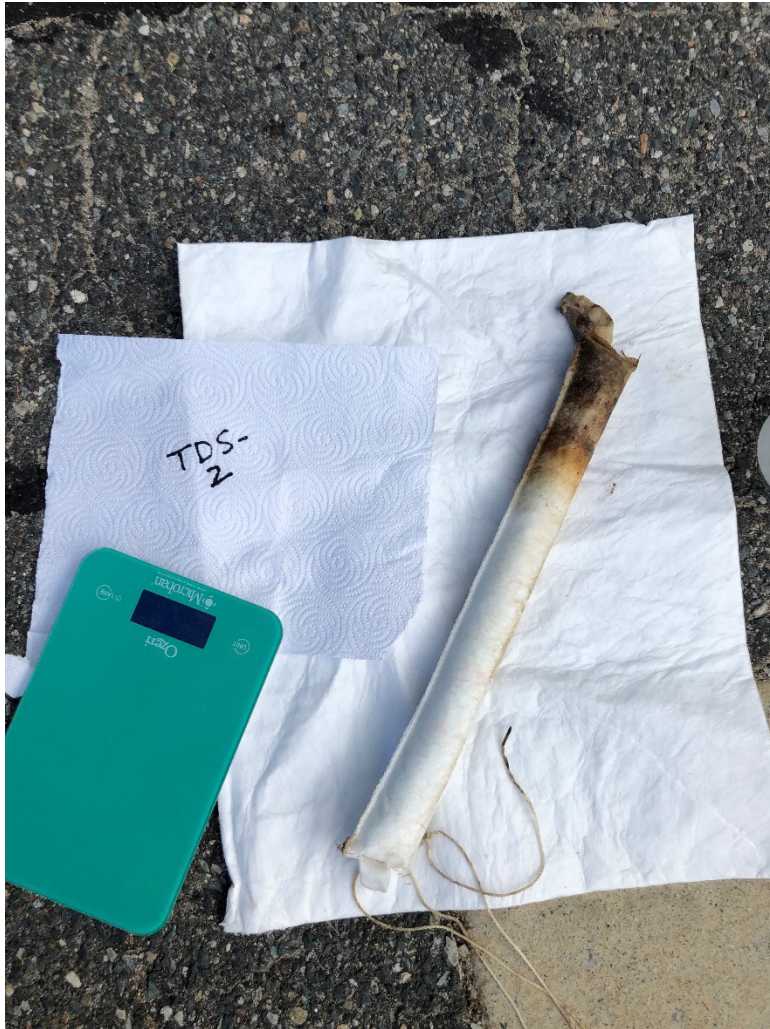
*! Flagged analyte recoveries deviated from the QA/QC limits. Data that impacts sample results are noted on the sample report.

100

ATTACHMENT 4

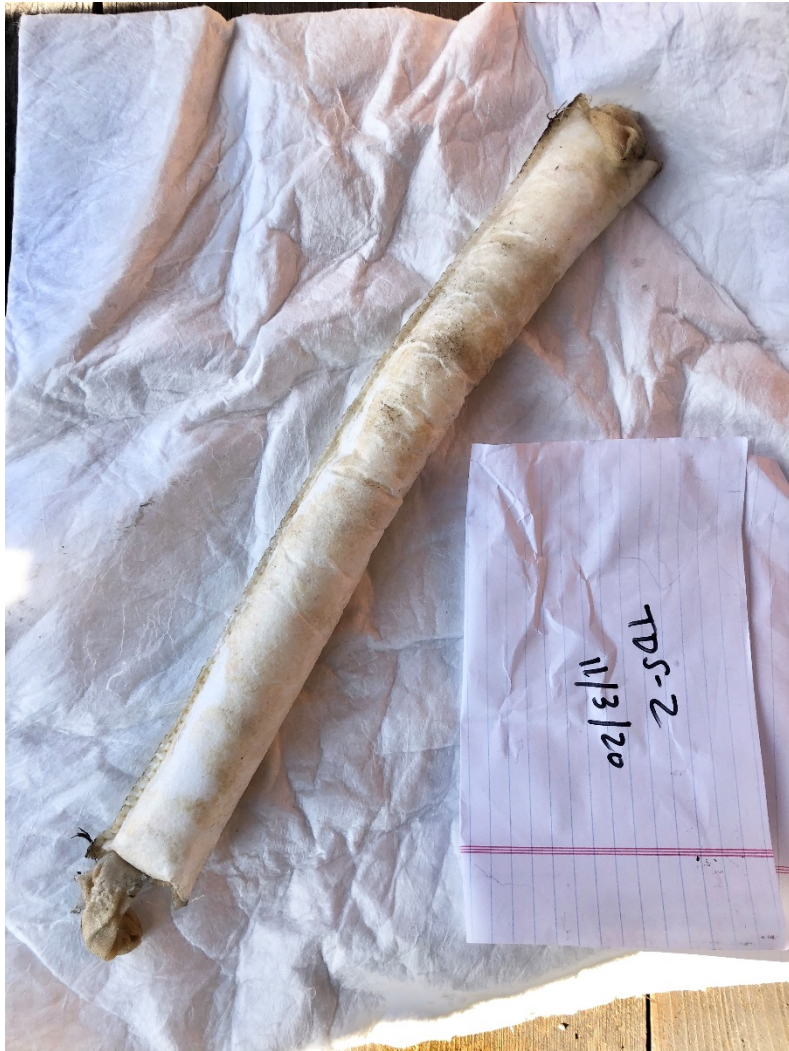
Absorbent Sock Photographs

Attachment 4 – Absorbent Sock Photographs



Sock Removed From TDS-2 August 17, 2020

Attachment 4 – Absorbent Sock Photographs



Sock Removed From TDS-2 November 3, 2020



Sock Removed From FT-1 November 3, 2020

Attachment 4 – Absorbent Sock Photographs



Sock Removed From TDS-2 March 10, 2021



Sock Removed From FT-1 March 10, 2021