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NEW HAMPSHIRE DEPARTMENT OF Environmental Services

Report Cover
Waste Management Division

July 2024 Tri-Annual/2024 Annual Water Quality Monitoring Results

North Country Environmental Services, Inc. Landfill

581 Trudeau Road

Bethlehem, New Hampshire 03574

NHDES Site #: 198704033

Project Type: Water Quality Monitoring

Project #: 1737

PREPARED FOR

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Date of Report: September 3, 2024

Groundwater Monitoring Report Cover Sheet

Waste Management Bureau

Clear Form

Site Name: North Country Environmental Services, Inc. (NCES) Landfill

NHDES Site ID#: 198704033 **Project number:** 1737

Municipality: Bethlehem, New Hampshire

Type of Permit and Submittal (*Check all that apply*)

Permit Type

- ☐ Non-Permit Monitoring Data Submittal
- ☒ Groundwater Management Permit (GMP)
- ☒ Groundwater Release Detection Permit (GRDP)
- ☐ Groundwater Discharge Permit (GDP)

Submittal Type

- ☒ Annual/Periodic Summary Report (Year) 2024
- ☒ Data Transmittal* (Mo./Year) 07/2024

*for GMP Data Transmittals month/year per Condition #7 and/or any other Conditions that require reporting per 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: Initial detections are discussed in the text - some results associated with first sampling event.
- ☐ During the most recent monitoring event, did any compounds exceed the Ambient Groundwater Quality Standards (AGQS) included in Env-Or 606.03, Table 600-1 ***for the first time*** 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: Concentration trends are discussed in the text.
- ☒ Do sampling results indicate an AGQS violation in any of the Groundwater Management Zone (GMZ) boundary wells?
  Well/Compound: AQGS exceedances outside the GMZ (MW-701 and B-926U) are discussed in the text.

Recommendations

(For Petroleum Fund eligible sites, contact NHDES directly, and on discovery, to recommend well/road box repairs.)

- ☐ Does the submittal include any recommendations requiring NHDES action? (*Do not check this box if the only recommendation is to continue monitoring under the conditions set forth in the existing Permit*).

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SANBORN HEAD

2024 Summary of Water Quality Monitoring Results and Submittal of July 2024 Monitoring Results

NORTH COUNTRY ENVIRONMENTAL SERVICES, INC.
Bethlehem, New Hampshire
NHDES Site No. 198704033

Prepared for North Country Environmental Services, Inc.
File No. 2637.11
September 2024

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1.0 INTRODUCTION

On behalf of North Country Environmental Services, Inc. (NCES), Sanborn, Head & Associates, Inc. (Sanborn Head) prepared this annual summary of the water quality monitoring data for the NCES Landfill (Site) in Bethlehem, New Hampshire. This report provides a discussion of water quality conditions in consideration of the data collected during the 2024 monitoring year, including data collected from the November 2023, April 2024, and July 2024 tri-annual monitoring events required by the Site Groundwater Management and Release Detection Permit GWP-198704033-B-008 (the "Permit"), issued by the New Hampshire Department of Environmental Services (NHDES) on September 18, 2023. This report also serves to transmit the July 2024 tri-annual monitoring data required by the Permit. In addition, this report includes results and interpretation of the following sampling events performed since November 2023:

- Quarter 3 (July) 2024 Assessment Monitoring for monitoring wells MW-701 and B-918M, pursuant to NHDES' October 21, 2019 letter[1].
- Supplemental Site Investigation (SSI) monitoring for monitoring wells B-932U and B-932L, which were installed in June 2024 pursuant to NHDES' November 7, 2023[2] and April 18, 2024[3] letters.

2.0 SITE WATER QUALITY MONITORING PROGRAM

The current facility Permit includes 41 groundwater monitoring wells[4], five sampling locations to the north of the Site consisting of seeps/springs on the slope between the Site and the Ammonoosuc River, and three surface water (River) sampling locations along the southern shoreline of the River.

A Locus Plan, showing general topography around the Site, is provided as Figure 1. An Exploration Location Plan is provided as Figure 2. Permit monitoring locations are summarized in Exhibit 1 below:

Exhibit 1
Summary of Permit Monitoring Locations – July 2024

Groundwater Management Wells/Other					
100-Series	B-103S		B-103D		
900-Series	B-928U	B-928D	Non-Permit SSI Monitoring Wells: B-932U, B-932L		
Other	MW-604				
Release Detection Wells					
800-Series	MW-802	MW-803			
900-Series	B-915U	B-915M	B-915D	B-916U	B-916M
	B-916D	B-917U	B-909	B-917D	B-918U
	B-918M	B-918D	B-919U	B-919M	B-919D
	B-923U	B-924U*	B-924L	B-925U	B-925L

[1] https://www4.des.state.nh.us/DocViewer/?ContentId=4813101
[2] https://www4.des.state.nh.us/DocViewer/?ContentId=5130124
[3] https://www4.des.state.nh.us/DocViewer/?ContentId=5181229
[4] The Permit notes that there are 39 monitoring wells, however, Condition 11 includes sampling requirements for 41 wells.

	B-926U	B-926L	B-927U	B-927M	B-927L
	B-929U	B-929L	B-930U	B-930L	B-931U
	B-931L				
Other	B-304UR	B-304DR	MW-701		

Notes:
1. Paired "couplet" monitoring well installations include a shallow or upper well (designated S or U) and a deeper or lower well (designated D or L). At triplet well cluster locations, monitoring wells were installed as upper, lower, and mid-level (designated M).
2. "*" indicates water level measurement only for the most recent July 2024 tri-annual monitoring; no sample was collected for field screening parameters or laboratory analysis.

Surface Water Sampling Locations	
Springs/Seeps	**Ammonoosuc River**
S-101	AR-1
S-108	AR-2
S-109	AR-3
S-1 (Main Seep)	
SF-1 (surface flow from S-1)	

Notes:
River sampling locations (designated AR-1 through AR-3) are located down slope from the seeps, and were established in conjunction with the Site GMZ. The GMZ delineation is shown on an October 26, 2017 plan titled "Ground Water Management Zone Plan for Lands of North Country Environmental Services, Inc. and Forest Acquisitions, Inc.," previously submitted to NHDES (https://www4.des.state.nh.us/IISProxy/IISProxy.dll?ContentId=4681959).

A comparison to background groundwater quality is provided on Table 1 (refer to Appendix A for information about calculation and selection of background concentrations). A summary of groundwater elevations is provided in Appendix B.1 and values from July 2024 are presented on Figure 3. Summaries of groundwater and surface water quality data are provided in Appendices B.2 and B.3, respectively. Time-series plots for concentrations of select analytes at groundwater and surface water locations are provided in Appendices C.1 and C.2, respectively. Appendix D.1 presents tabulated groundwater per- and polyfluoroalkyl substances (PFAS) data, and Appendix D.2 provides bar charts summarizing groundwater PFAS data. Sanborn Head's Field Sampling Summary forms for the July 2024 monitoring event are provided as Appendix E. Analytical laboratory reports for the July 2024 monitoring event are included in Appendix F. Precipitation information is included in Appendix G. Potential Receptor Evaluation information is included in Appendix H.

3.0 JULY 2024 MONITORING

Sanborn Head performed the most recent tri-annual monitoring at the Site on July 22 through 24, 2024. The permit locations specified for the July 2024 sampling/water level event included: 43 groundwater samples and/or water levels, five surface water spring/seep samples, and three River samples.

Samples were submitted to Eastern Analytical, Inc. (EAI) of Concord, New Hampshire (a NH-certified laboratory) for the analyses specified in the Permit and the referenced NHDES' letters. The laboratory analytical data reports from EAI for the July 2024 monitoring event, which indicate the sample-specific analyses and associated analytical methods, are provided for reference in Appendix F.

Consistent with the Permit, the analytical results for the July 2024 monitoring event are summarized below following the general organizational format used in the April 2024 Monitoring Report. This section provides a comparison of July 2024 monitoring results to background values, a comparison to applicable standards, and a discussion of results. An assessment of water quality trends is included in the Section 4 ("2024 Summary of Water Quality Findings"). Background values are described in Appendix A and shown in Table 1. Applicable standards are shown in Table B.2.

3.1 Groundwater Results

3.1.1 Background Evaluation

This section compares groundwater analytical results of the July 2024 sampling event to the identified background concentrations, consistent with Env-Or 702.03. Background concentrations, including calculation methods, are described in Appendix A. Refer to Table A.1 for historical data used to identify background values. A summary of background groundwater exceedances is included as Table 1. Refer to Appendix B.2 for recent groundwater analytical data and applicable standards for groundwater.

Detected concentrations representing initial exceedances of background value at a monitoring location are summarized in Exhibit 2. Other detected concentrations were either below background concentrations or have previously exceeded background concentrations in the period of record for a given location.

Exhibit 2
Summary of Initial Background Concentration Exceedances – July 2024

Location	Analyte	Concentration / Value	Previous Max/Min	July 2024 Site Background (refer to Table 1)	GW-1 (AGQS)	SMCL	# of sampling events for analyte
Background Wells							
No initial exceedances of background							
Release Detection Wells Outside the GMZ							
B-916M	PFBA [3]	3.39 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1
	PFPeA [4]	3.29 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1
	PFHxA [5]	4.27 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1
	PFOA [7]	2.14 ng/L	N/A	<1.5-<2.5 ng/L	12 ng/L	NS	1
	Comments: The period of record at this location is limited; July 2024 represents the first sampling event for PFAS at this location. Given the general absence of other potential leachate indicators, the data are not consistent with a new release.						
B-926U	PFBA [3]	3.95 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1
	PFPeA [4]	4.74 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1

Location	Analyte	Concentration / Value	Previous Max/Min	July 2024 Site Background (refer to Table 1)	GW-1 (AGQS)	SMCL	# of sampling events for analyte
	PFHxA [5]	10.2 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1
	PFHpA [6]	17 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1
	PFOA [7]	44.6 ng/L	N/A	<1.5-<2.5 ng/L	12 ng/L	NS	1
	PFBS [4S]	2.37 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1
	PFHxS [6S]	4.41 ng/L	N/A	<1.5-<2.5 ng/L	18 ng/L	NS	1
	Comments: The period of record at this location is limited; July 2024 represents the first sampling event for PFAS at this location. Given the general absence of other potential leachate indicators, the data are not consistent with a new release.						
B-926L	PFBA [3]	4.14 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1
	PFPeA [4]	4.74 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1
	PFHxA [5]	5.89 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1
	PFOA [7]	2.74 ng/L	N/A	<1.5-<2.5 ng/L	12 ng/L	NS	1
	Comments: The period of record at this location is limited; July 2024 represents the first sampling event for PFAS at this location. Given the general absence of other potential leachate indicators, the data are not consistent with a new release.						
B-927U	PFBA [3]	14.3 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1
	PFPeA [4]	13.9 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1
	PFHxA [5]	13.9 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1
	PFHpA [6]	2.52 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1
	PFBS [4S]	6.41 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1
	Comments: The period of record at this location is limited; July 2024 represents the first sampling event for PFAS at this location. Given the general absence of other potential leachate indicators, the data are not consistent with a new release.						
Release Detection Wells Inside the GMZ – Impacts Anticipated from Former Unlined Landfill							
MW-803	(PFBS) [4S]	4.66 ng/L	<4 ng/L	<1.5-<2.5 ng/L	NS	NS	6
	(PFHxS) [6S]	8.77 ng/L	<4 ng/L	<1.5-<2.5 ng/L	18 ng/L	NS	6
	Comments: Other parameters in July were within the range of historical concentrations; however additional sampling is planned for comparison to July results.						
B-304UR	6:2FTS	2.78 ng/L	<2.13 ng/L	<1.5-<2.5 ng/L	NS	NS	14
	Comments: The detection of 6:2 FTS at B-304UR in July 2024 represents an initial detection and initial background exceedance. Nine other PFAS have previously been detected at B-304UR in 14 rounds of PFAS sampling at this location. 6:2 FTS has been detected in two other wells at the site (B-304DR and MW-701). Given the general absence of other potential leachate indicators, the data are not consistent with a new release.						
Groundwater Management Wells Inside the GMZ – Impacts Anticipated from Former Unlined Landfill							
B-103S	Dioxane (1,4-)	0.28 µg/L	<0.25 µg/L	<0.25 µg/L	0.32 µg/L	NS	48
	PFBA [3]	12.7 ng/L	<64 ng/L	<1.5-<2.5 ng/L	NS	NS	2
	PFPeA [4]	6.55 ng/L	<32 ng/L	<1.5-<2.5 ng/L	NS	NS	2
	PFHxA [5]	5.93 ng/L	<16 ng/L	<1.5-<2.5 ng/L	NS	NS	2
	PFBS [4S]	13.3 ng/L	<14.2 ng/L	<1.5-<2.5 ng/L	NS	NS	2
	Comments: The detection of 1,4-dioxane at B-103S in July 2024 represents an initial detection and initial background exceedance. The detected concentration (0.28 µg/L) was only slightly above the laboratory reporting limit of 0.25 µg/L and it was not detected in the field duplicate sample. The period of record at this location for PFAS is limited; July 2024 represents the second sampling event						

Location	Analyte	Concentration / Value	Previous Max/Min	July 2024 Site Background (refer to Table 1)	GW-1 (AGQS)	SMCL	# of sampling events for analyte
	for PFAS. Other parameters in July were within the range of historical concentrations; additional sampling is planned for comparison to July results.						
Supplemental Site Investigation (SSI)							
B-932U	Temperature	12.2 C	N/A	5.6-11.9 C	NS	NS	1
	Chloride	6 mg/L	N/A	1.8 mg/L	NS	250 mg/L	1
	Dissolved Manganese	0.081 mg/L	N/A	0.072 mg/L	0.3 mg/L	0.05 mg/L	1
	PFHpA [6]	2.27 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1
	PFOA [7]	5.3 ng/L	N/A	<1.5-<2.5 ng/L	12 ng/L	NS	1
	PFBS [4S]	2.98 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1
	PFOS [8S]	2.3 ng/L	N/A	<1.5-<2.5 ng/L	15 ng/L	NS	1
	Comments: B-932U was installed in June 2024; July 2024 represents the first sampling event at this location. Given the general absence of other potential leachate indicators, the data are not consistent with a new release.						
B-932L	Specific Conductance	157 uS/cm	N/A	125 uS/cm	NS	NS	1
	Temperature	12.3 C	N/A	5.6-11.9 C	NS	NS	1
	Chloride	3.5 mg/L	N/A	1.8 mg/L	NS	250 mg/L	1
	Dissolved Arsenic	0.0015 mg/L	N/A	0.00051 mg/L	0.005 mg/L	NS	1
	PFPeA [4]	1.98 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1
	PFHxA [5]	2.46 ng/L	N/A	<1.5-<2.5 ng/L	NS	NS	1
	PFOA [7]	2.48 ng/L	N/A	<1.5-<2.5 ng/L	12 ng/L	NS	1
	Comments: B-932L was installed in June 2024; July 2024 represents the first sampling event at this location. Given the general absence of other potential leachate indicators, the data are not consistent with a new release.						

Note: "[4]" indicates number of carbons in the alkyl chain. Refer to Appendix D for additional information and full PFAS analyte names.

3.1.2 Initial Detects

As summarized in Exhibit 3 below, a number of locations indicated an initial detection of one or more analytes in July 2024. As indicated in Exhibit 2, many of these initial detections represented the first sampling event for that particular analyte.

Exhibit 3
Summary of Initial Detects at Groundwater Monitoring Locations – July 2024

Location	Analyte	*milligrams per liter (mg/l) for metals and inorganics; micrograms per liter (µg/l) for VOCs; nanograms per liter (ng/l) for PFAS*			
		NHDES AGQS	**Site Background**	**July 2024 Concentration**	**Laboratory Reporting Limit**
B-103S	1,4-Dioxane	0.32 µg/L	<0.25 µg/L	0.28 µg/L	<0.25
	PFBS [4S]	Not established	<1.5-<2.5 ng/L	13.3 ng/L	<1.5-<2.5
	PFBA [3]			12.7 ng/L	
	PFHxA [5]			5.93 ng/L	
	PFPeA [4]			6.55 ng/L	
B-304UR	6:2 FTS	Not established	<1.5-<2.5 ng/L	2.78 ng/L	<1.5-<2.5
B-916M	PFBA [3]	Not established	<1.5-<2.5 ng/L	3.39 ng/L	<1.5-<2.5
	PFHxA [5]			4.27 ng/L	
	PFOA [7]	12 ng/L		2.14 ng/L	
	PFPeA [4]	Not established		3.29 ng/L	
B-923U	Sulfate	500	Not established	7.4	<1
B-925U	Sulfate	500	Not established	2.4	<1
B-928U	Sulfate	500	Not established	13	<1
B-928D	Sulfate	500	Not established	13	<1
MW-604	Sulfate	500	Not established	14	<1
B-926L	PFBA [3]	Not established	<1.5-<2.5 ng/L	4.14 ng/L	<1.5-<2.5
	PFHxA [5]			5.89 ng/L	
	PFOA [7]	12 ng/L		2.74 ng/L	
	PFPeA [4]	Not established		4.74 ng/L	
B-926U	PFBS [4S]	Not established	<1.5-<2.5 ng/L	2.37 ng/L	<1.5-<2.5
	PFBA [3]			3.95 ng/L	
	PFHpA [6]			17 ng/L	
	PFHxS [6S]	18 ng/L		4.41 ng/L	
	PFHxA [5]	Not established		10.2 ng/L	
	PFOA [7]	12 ng/L		44.6 ng/L	
	PFPeA [4]	Not established		4.74 ng/L	
B-927U	PFBS [4S]	Not established	<1.5-<2.5 ng/L	6.41 ng/L	<1.5-<2.5
	PFBA [3]			14.3 ng/L	
	PFHpA [6]			2.52 ng/L	
	PFHxA [5]			13.9 ng/L	
	PFPeA [4]			13.9 ng/L	
B-930L	Chloride	Not established	1.8 mg/L	1.5 mg/L	1
MW-803	PFBS [4S]	Not established	<1.5-<2.5 ng/L	4.66 ng/L	<1.5-<2.5
	PFHxS [6S]	18 ng/L		8.77 ng/L	
B-932U (non-Permit SSI well)	Barium	2 mg/L	0.025 mg/L	0.0099 mg/L	<0.001
	Chloride	Not established	1.8 mg/L	6 mg/L	<1
	Manganese	0.3 mg/L	0.072 mg/L	0.081 mg/L	<0.005
	Sulfate	500 mg/L	Not established	13 mg/L	<1
	PFBS [4S]	Not established	<1.5-<2.5 ng/L	2.98 ng/L	<1.5-<2.5
	PFHpA [6]			2.27 ng/L	
	PFOS [8S]	15 ng/L		2.3 ng/L	
	PFOA [7]	12 ng/L		5.3 ng/L	
B-932L	Arsenic	0.005 mg/L	0.00051 mg/L	0.0015 mg/L	<0.0005

Location	Analyte	*milligrams per liter (mg/l) for metals and inorganics; micrograms per liter (µg/l) for VOCs; nanograms per liter (ng/l) for PFAS*			
		NHDES AGQS	**Site Background**	**July 2024 Concentration**	**Laboratory Reporting Limit**
(non-Permit SSI well)	Barium	2 mg/L	0.025 mg/L	0.0083 mg/L	<0.001
	Chloride	Not established	1.8 mg/L	3.5 mg/L	<1
	Chromium	0.1 mg/L	0.0017 mg/L	0.0014 mg/L	<0.001
	Manganese	0.3 mg/L	0.072 mg/L	0.019 mg/L	<0.005
	Sulfate	500 mg/L	Not established	9.1 mg/L	<1
	PFHxA [5]	Not established	<1.5-<2.5 ng/L	2.46 ng/L	<1.5-<2.5
	PFOA [7]	12 ng/L		2.48 ng/L	
	PFPeA [4]	Not established		1.98 ng/L	

3.1.3 Groundwater Quality Standard Exceedances

Detected concentrations in July 2024 groundwater samples which exceeded applicable standards are indicated on Tables 1 and B.2 and are summarized in Exhibit 4. Concentrations were compared to the AGQS; if no AGQS is available, then concentrations were compared to the USEPA SMCL, if available.

Exhibit 4
Summary of Exceedances of AGQS or SMCL – July 2024

Analyte	AGQS (or SMCL if no AGQS)	Exceedance in July 2024		Initial Exceedance July 2024	
		Within GMZ	**Outside GMZ**	**Within GMZ**	**Outside GMZ**
AGQS Exceedance					
Manganese	0.3 mg/L	B-103S, B-103D, B-304DR, MW-802, MW-803, B-919M	MW-701, B-926U	None	None
Arsenic	0.005 mg/L	B-103S, B-103D	None	None	None
PFHxS	18 ng/L	B-304UR	None	B-304UR	None
PFOA	12 ng/L	B-304DR, B-304UR, B-919U, MW-604, MW-802, MW-803	B-926U	MW-803	B-926U
SMCL Exceedance (analytes with no AGQS)					
pH[1]	6.5 to 8.5 s.u.	B-103S, B-304DR, MW-802, MW-803, B-919U, B-928U, B-928D	B-915U, B-916U, B-916D, B-918U, B-924L, B-926U, B-926L, B-927U	None	None
Iron	0.3 mg/L	B-103S, B-103D, MW-802, MW-803	B-927M	None	None

Analyte	AGQS (or SMCL if no AGQS)	Exceedance in July 2024		Initial Exceedance July 2024	
		Within GMZ	Outside GMZ	Within GMZ	Outside GMZ

Notes:
1. The SMCL for pH is a range from 6.5 to 8.5 s.u. Locations indicated as outside the SMCL range for pH indicated values below 6.5 s.u.
2. "Initial exceedance" indicates that July 2024 was the first time the AGQS or SMCL was exceeded in a sample collected from a given location in the respective period of record. Period of record varies by location.

mg/L = milligrams per liter
µg/L = micrograms per liter
ng/L = nanograms per liter

3.1.4 Groundwater Quality Assessment

This section provides a comparison to background values, an assessment of trends for analytes with initial background exceedances, and discussion of initial detects or exceedances of standards in July 2024, including a comparison to similarly identified analytes from previous sampling events.

3.1.4.1 Volatile Organic Compounds (VOCs)

Only one VOC was detected in groundwater in July 2024:

- **1,4-Dioxane** was detected at one location (B-103S) at a concentration of 0.28 µg/l, below the AGQS (0.32 µg/l), but slightly above the reporting limit of 0.25 µg/l. 1,4-Dioxane was not detected above the reporting limit in the duplicate sample collected at this location. This result represented an initial 1,4-dioxane detection at B-103S since monitoring for 1,4-dioxane began at this location in 2009.

3.1.4.2 Semi-Volatile Organic Compounds (SVOCs)

Consistent with the Permit, groundwater samples were not analyzed for SVOCs in July 2024. SVOCs will be sampled next in July 2025 in accordance with the Permit.

3.1.4.3 Inorganic Parameters

Note: As indicated in previous transmittals, several metals (principally iron, arsenic, and manganese) are naturally occurring in soil at the Site, and elevated concentrations of these metals have been detected in groundwater generally at locations downgradient of the former unlined landfill, which generally have reducing conditions. Therefore, locations within and adjacent to the GMZ are anticipated to typically exhibit higher metals concentrations in groundwater than other areas of the site. As discussed in previous reports, iron, manganese, and/or arsenic have shown variable concentration trends, which are inferred to be related to the persistent reducing conditions associated with the former unlined landfill. Manganese concentrations at MW-701 (outside the GMZ) have been variable in recent years but were above the GW-1/AGQS in several rounds in 2021 and 2022, as well as January, April and July 2023 and July 2024, but were below the GW-1/AGQS in November 2023 and January and April 2024. Manganese concentrations have typically been above the current (July 2024) site background (0.072 mg/l) since the well was installed in 1997.
A summary of inorganic parameters is provided below.

Metals

- **Arsenic:** The arsenic concentrations at three monitoring wells (two located inside the GMZ and one outside the GMZ) indicated an exceedance of background (0.00051 mg/l) in July 2024.

Outside the GMZ	B-932L
Inside the GMZ	B-103S, B-103D

Arsenic concentrations at these monitoring wells in July 2024 ranged from 0.0015 mg/l (B-932L) to 0.037 mg/l (B-103D) and were within the range of recent concentrations recorded at these locations except for B-932L, at which July 2024 represented the first sampling round. Elevated arsenic concentrations inside the GMZ are consistent with reducing conditions associated with the former unlined landfill.

Each of these background exceedances also represent exceedances of the arsenic AGQS of 0.005 mg/l, except for B-932L.

- **Manganese:** The manganese concentrations at 11 monitoring wells indicated an exceedance of background (0.072 mg/l) in July 2024. The background value for manganese changed from 0.046 mg/l in April 2024 to 0.072 mg/l in July 2024.

Outside the GMZ	MW-701, B-926U, B-927M, B-927L, B-932U
Inside the GMZ	B-103S, B-103D, B-304DR, MW-802, MW-803, B-919M

Concentrations at locations exceeding background inside the GMZ ranged from 1.2 mg/l (B-103D) to 5.7 mg/l (MW-803 primary; 5.6 mg/l in the duplicate), while concentrations at locations exceeding background outside the GMZ ranged from 0.081 mg/l (B-932U) to 4.0 mg/l (B-926U). The AGQS for manganese is 0.3 mg/l.

Manganese concentrations at monitoring wells indicating exceedances of the manganese background in July 2024 were generally consistent with recent concentrations except for B-932U, at which July 2024 represented the first sampling round. Manganese was also sampled for the first time at B-932L but was detected at a concentration (0.019 mg/l) below the background and AGQS values.

- **Iron:** The iron concentrations at five locations indicated an exceedance of background (0.41 mg/l) in July 2024.

Outside the GMZ	B-927M
Inside the GMZ	B-103S, B-103D, MW-802, MW-803

Concentrations at locations exceeding background inside the GMZ ranged from 4.5 mg/l (B-103D) to 51 mg/l (MW-803 primary and duplicate) and the concentration at the well (B-927M)

exceeding background outside the GMZ was 3.0 mg/l. There is no AGQS established for iron; the SMCL is 0.3 mg/l.

Iron concentrations at above locations in July 2024 were generally similar to recent results. Elevated iron concentrations inside the GMZ are consistent with reducing conditions associated with the former unlined landfill.

- **Barium:** The barium background concentration (0.025 mg/l), and therefore also the AGQS (2 mg/l), was not exceeded at any monitoring wells in July 2024. Barium was sampled for the first time at B-932L and B-932U in July 2024 and was detected at both locations at concentrations below background and AGQS.

- **Chromium:** The chromium background concentration (0.0017 mg/l), and therefore also the AGQS (0.1 mg/l), was not exceeded at any monitoring wells in July 2024. Chromium was sampled for the first time at B-932L and B-932U in July 2024 and was detected at B-932L at a concentration (0.0014 mg/l) below background and AGQS.

- **Nickel:** The nickel background concentration (0.0027 mg/l), and therefore also the AGQS (0.1 mg/l), was not exceeded at any monitoring wells in July 2024.

- **Bromide:** The bromide background concentration is 0.1 mg/l outside the GMZ and 0.4 mg/l inside the GMZ. The concentration at one well outside the GMZ (B-926U) slightly exceeded the background in July 2024 at a concentration of 0.12 mg/l. The result was within the range of historical concentrations at this location. There is no AGQS established for bromide.

- **Chloride:**
  As indicated on Table 1 and discussed in Appendix A.1, locations indicating exceedances of the chloride background (1.8 mg/l) (and sometimes also specific conductance) are typically in one of three categories discussed below.

  1. <u>Shallow locations near roadways or downgradient of roadways (both inside and outside of the GMZ):</u> inferred to be part or in whole related to vehicle traffic and associated soil disturbance.

     Outside the GMZ MW-701, B-915U, B-918U, B-926U, B-927U, B-932U

     Chloride concentrations at these locations ranged from 3.9 mg/l (B-926U) to 57 mg/l (B-918U) and were generally within the range of recent results, with the exception of B-918U, at which the concentration represents a new maximum concentration since sampling for chloride began at this location in 2001.

  2. <u>Certain wells within the GMZ:</u> chloride detections are consistent with residual water quality effects related to the former unlined landfill. Deeper intervals may also indicate elevated chloride concentrations within the GMZ. A list of locations is provided below:

Inside the GMZ B-103S, B-103D, B-304UR, B-304DR, MW-604, MW-802, MW-803, B-919U, B-919M, B-919D, B-928U, B-928D

Chloride concentrations at these locations ranged from 2.4 mg/l (B-919D) to 24 mg/l (B-304UR) and were generally within the range of recent results except for B-932L and B-932U, at which July 2024 represented the first sampling round.

3. Intermediate and deep wells outside the GMZ, generally northwest of the landfill: periodically or consistently elevated chloride (and sometimes also specific conductance), may indicate the presence of anthropogenic influence (e.g., sporadic detection of VOCs related to earthwork associated with previous phases of landfill development). Screened intervals are inferred to be completed at depths/locations representative of longer flow paths and/or travel times. As such, results from these monitoring wells are inferred to be representative of historical conditions which may no longer exist at the site.

   Outside the GMZ B-915M, B-915D, B-916M, B-916D, B-917D, B-918M, B-918D, B-926L, B-927M, B-932L

   Chloride concentrations at these monitoring wells ranged from 3.5 mg/l (B-932L) to 46 mg/l (B-915M) and are within the range of historical results at these locations.

- **Nitrate:** The nitrate background concentration of 3.2 mg/l was exceeded at one well inside the GMZ (B-304UR) in July 2024 at a concentration of 8.7 mg/l. The result was within the range of historical concentrations at this location. The AGQS for nitrate (10 mg/l) was not exceeded at any location in July 2024.

- **Total Kjeldahl Nitrogen (TKN):** TKN exceeded the background concentration (0.58 mg/l) at only one location (MW-803, inside the GMZ) in July 2024. At MW-803, TKN was detected at 2.2 mg/l (primary and duplicate). The concentration was within the range of recent and historical results at this location. The background value for TKN changed from 0.92 mg/l in April 2024 to 0.58 mg/l in July 2024.

3.1.4.4 Per- and Polyfluoroalkyl Substances (PFAS)

Samples for PFAS analysis were collected from 30 monitoring wells at the site in July 2024; results are summarized below.

- **PFOA:**
  - PFOA was detected at 17 of the 30 sampling locations (B-916M, B-926U, B-926L, B-918M [duplicate sample only], MW-701, B-915U, B-915M, B-928U, B-928D, MW-802, MW-803, B-919U, B-304UR, B-304DR, MW-604, B-932U, and B-932L), at concentrations ranging from 2.14 ng/l (B-916M) to 64.1 ng/l (B-304DR).
  - PFOA concentrations at seven locations (B-926U, MW-802, MW-803, B-919U, B-304UR, B-304DR, and MW-604) exceeded the AGQS (12 ng/l) in July 2024.

  - The concentrations detected at MW-604 (16 ng/l), MW-802 (24.2 ng/l), and MW-803 (64 ng/l) represented new period of record maximum concentrations at those locations.
  - PFOA had initial detections at five of the locations listed above (B-916M, B-926L, B-926U, B-932L, and B-932U) in July 2024. July 2024 represented the first round in which these five locations were sampled for PFAS.

- **PFOS** was detected in July 2024 at only three locations: MW-701 at 5.39 ng/l, MW-604 at 2.37 ng/l, and B-932U at 2.3 ng/l, all below the AGQS of 15 ng/l. July 2024 represented the first sampling round at B-932U, and therefore the detection at B-932U represented an initial detection of PFOS at that location. The PFOS concentrations detected at MW-701 and MW-604 in July 2024 were within the range of historical results.

- **PFHxS** was detected at five locations (B-926U, MW-802, MW-803, B-304UR, B-304DR) with one detection above the PFHxS AGQS (18 ng/l) at B-304UR (22.8 ng/l). The PFHxS concentration at B-304UR in July 2024 represented a new maximum concentration (increased from previous maximum of 13.2 ng/l in September 2021). Other compounds at B-304UR were within the range of previous concentrations. The detections at B-926U and MW-803 represented initial detections of PFOS at those locations.

- **PFNA** was detected at two locations (B-919U and B-304DR) in July 2024 at concentrations of 3.47 ng/l and 2.45 ng/l, respectively, both below the AGQS (11 ng/l). Both of these detections represent new maximum concentrations at B-919U and B-304DR, which increased from previous maximum values of 2.80 ng/l in July 2023 (B-919U) and 1.93 ng/l, in December 2023 (B-304DR).

One or more non-AGQS-regulated PFAS analytes were detected at 18 of the 30 monitoring wells sampled for PFAS at the site in July 2024. Detections of non-AGQS-regulated PFAS were limited to seven analytes: PFBA, PFPeA, PFHxA, PFHpA, PFBS, PFPeS and 6:2 FTS (full analyte names are indicated on Table D.1). The PFAS record for some site wells is relatively limited and is not yet sufficiently long to identify "typical" variability in concentrations; however, new maxima for six non-AGQS-regulated PFAS analytes were recorded at 13 locations in July 2024:

- B-915M: PFBS, PFBA
- B-915U: PFBA, PFPeA, PFHxA, PFHpA
- B-916M: PFBA, PFPeA, PFHxA (all initial detections in first round of sampling at this location)
- B-926L: PFBA, PFPeA, PFHxA (all initial detections in first round of sampling at this location)
- B-926U: PFBA, PFPeA, PFHxA, PFHpA, PFBS (all initial detections in first round of sampling at this location)
- B-927U: PFBA, PFPeA, PFHxA, PFHpA, PFBS (all initial detections in first round of sampling at this location)
- MW-604: PFBS
- MW-802: PFBS, PFPeA, PFHpA
- MW-803: PFBS (initial detection), PFBA, PFPeA, PFHxA, PFHpA
- B-304UR: 6:2FTS (initial detection), PFHpA

- B-103S: PFBA, PFPeA, PFHxA, PFBS (all initial detections)
- B-932L: PFHxA, PFPeA (all initial detections in first round of sampling at this location)
- B-932U: PFBS, PFHpA (all initial detections in first round of sampling at this location)

Refer to Exhibit 3 for details on these initial detects. As indicated above, July 2024 represents the first sampling round at B-932U and B-932L, and the first round in which B-916M, B-926L, B-926U and B-927U have been sampled for PFAS.

3.2 Surface Water Results

In July 2024, VOCs were not detected in surface water samples, and the surface water results were generally consistent with previous sampling events (refer to Table B.3 and Appendix C.3). A summary of the iron and manganese results at Seep S-1, S-101, S-108, S-109, and SF-1 is provided below:

- **Main Seep [S-1]:** The total iron concentration (0.29 mg/l) was below both the aquatic life chronic criteria (1 mg/l) and the human health water and fish criteria (0.3 mg/l). The total manganese concentration (0.098 mg/l) exceeded the human health water and fish criteria (0.05 mg/l) but was below the human health fish only criteria (0.1 mg/l) and the AGQS (0.3 mg/l).

- **SF-1:** The total iron concentration (1.5 mg/l) was above both the aquatic life chronic criteria and the human health water and fish criteria. The total manganese concentration (0.21 mg/l) exceeded the human health water and fish criteria and the human health fish only criteria but was below the AGQS.

- **S-101:** The total iron concentration (0.23 mg/l) was below both the aquatic life chronic criteria and the human health water and fish criteria. The total manganese concentration (0.0067 mg/l) was below the human health water and fish criteria, the human health fish only criteria, and the AGQS.

- **S-108:** The total iron concentration (1.3 mg/l) was above both the aquatic life chronic criteria and the human health water and fish criteria. The total manganese concentration (1.5 mg/l) exceeded the human health water and fish criteria, the human health fish only criteria, and the AGQS.

- **S-109:** The total iron concentration (0.098 mg/l) was below both the aquatic life chronic criteria and the human health water and fish criteria. The total manganese concentration (0.29 mg/l) exceeded the human health water and fish criteria and the human health fish only criteria but was below the AGQS.

The total iron and total manganese concentrations were within the range of historical results at the five spring/seep sampling locations

Iron and manganese concentrations measured in the Ammonoosuc River samples in July 2024 monitoring indicate comparable conditions in the upstream and downstream sampling

locations, and do not indicate material impact to the River's surface water quality in the vicinity of the site. The iron and manganese concentrations in the Ammonoosuc River samples in July 2024 were below the respective aquatic life and human health criteria and AGQS.

4.0 2024 SUMMARY OF WATER QUALITY FINDINGS

This section provides a summary of groundwater quality results from the 2024 reporting period (November 2023 through July 2024, inclusive). Time series plots of specific analytes are included in Appendix C.

4.1 Groundwater Results

4.1.1 VOCs

Consistent with previous results, VOC detections continue to be limited to 1,4-dioxane and DCDFM. Of the 41 permit monitoring wells and two SSI wells, VOCs were detected in groundwater samples from three wells: B-304DR (1,4-dioxane only), B-103S (1,4-dioxane only), and B-927M (dichlorodifluoromethane [DCDFM; freon 12] only).

1,4-dioxane concentrations at B-304DR and B-103S were each only detected in one monitoring round (November 2023 at B-304DR and July 2024 at B-103S) and did not exceed the AGQS (0.32 µg/l) in this reporting period. Detected DCDFM concentrations at B-927M have been well below the AGQS of 1,000 µg/l.

The VOC detections are summarized below:

- **B-304DR**: 1,4-dioxane was detected once at 0.27 µg/l (primary; 0.28 µg/l in duplicate) in November 2023, and was not detected in April 2024 or July 2024.

- **B-927M**: DCDFM was detected at 8.9 µg/l in November 2023 and 14 µg/l in April 2024, at the lower range of concentrations since this well was first sampled in November 2017. B-927M was not sampled for VOCs in July 2024.

- **B-103S:** 1,4-dioxane was detected once at 0.28 µg/l (slightly above the laboratory reporting limit) in July 2024. 1,4-dioxane was not detected above the laboratory reporting limit in the duplicate sample. This represented an initial detection and an initial background exceedance at this location.

4.1.2 PFAS

Samples for PFAS analysis in this reporting period were collected from 30 monitoring wells (Refer to Table 1 and Appendix D). Generally consistent with previous results, PFAS detections in this reporting period were dominated by short-chain carboxylic acids (primarily PFBA, PFPeA, PFHxA, PFHpA, and PFOA) and the sulfonic acid (PFBS). In addition, low-level (i.e., below AGQS) PFNA was detected at B-304DR and B-919U; low-level PFOS was detected at MW-604, MW-701, B-918M and B-932U; and low-level PFHxS was detected at B-304UR, B-304DR, MW-802, MW-803, B-918M, and B-926U. These results were generally consistent with previous results, with the exception of PFHxS at B-304UR which indicated an initial exceedance of the AGQS in July

2024. PFPeS and 6:2FTS were detected sporadically in this reporting period at two locations: B-304UR (PFPeS and 6:2FTS) and B-304DR (6:2 FTS).

As indicated in Appendix D, of the four NH-regulated PFAS analytes, only PFOA and PFHxS exceeded their AGQS in one or more samples in this reporting period. PFOA was detected at 17 of the 30 sampling locations (B-304UR, B-304DR, MW-604, MW-701, MW-802, MW-803, B-915U, B-915M, B-916M, B-918M, B-919U, B-926U, B-926L, B-928U, B-928D, B-932U and B-932L), at concentrations ranging from 2.14 ng/l (B-916M) to 116 ng/l (B-304DR). Concentrations at B-304UR, B-304DR, MW-604, MW-802, MW-803, B-919U, B-926U and B-928U exceeded the PFOA AGQS (12 ng/l) in one or more sampling events during the current reporting period. PFHxS was detected at six locations (B-304UR, B-304DR, MW-802, MW-803, B-918M and B-926U) in one or more sampling events in the current reporting period, all at concentrations below the AGQS (18 ng/l) except for the concentration recorded at B-304UR in July 2024 (22.8 ng/l) which was above the AGQS. PFOS (AGQS of 15 ng/l) was detected at three locations (MW-604, MW-701, B-918M and B-932U) and PFNA (AGQS of 11 ng/l) was detected at only two locations (B-304DR and B-919U) in this reporting period, at concentrations below their respective AGQS.

Results for the 21 non-AGQS-regulated PFAS compounds analyzed for during the annual reporting period are also included in Table D.1. Non-AGQS-regulated PFAS were detected at 19 of the 30 monitoring wells at the site during this reporting period. Detections of non-AGQS-regulated PFAS were limited to seven analytes: PFBA, PFPeA, PFHxA, PFHpA, PFBS, PFPeS and 6:2FTS, at one or more wells.

Initial detections in this reporting period included one or more of the following PFAS analytes (PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFNA, PFBS, PFHxS, PFOS, and 6:2FTS) at ten monitoring wells (B-304UR, B-304DR, B-103S, MW-803, B-916M, B-926U, B-926L, and B-927U, B-932U and B-932L). We note that many of these initial detections were at wells which had not been analyzed for PFAS analytes prior to July 2024 (B-916M, B-926U, B-926L, B-927U, B-932U and B-932L) or had only been sampled once prior to July 2024 (B-103S). As discussed above in Section 3.1.4.4 and previous transmittals in this reporting period, initial detections of PFAS analytes continue to be tracked as the period of record for PFAS data at the site develops. Assessment monitoring including PFAS analytes continued at MW-701 and B-918M during this reporting period and is discussed in Section 4.2.

4.1.3 Inorganic Parameters

4.1.3.1 General Water Quality Indicator Parameters

The values of specific conductance, pH, and temperature, and the concentration of COD at site monitoring locations relative to background values at upgradient monitoring wells serve as general indicators of impacts to water quality. Refer to Table 1 for a comparison of the current monitoring period indicator parameter results to background, including an inferred context for background exceedances. In general, the following observations are noted:

- **Temperature**: As shown in Appendix A.2, average temperature at background locations has generally increased over the period of record. The increase in average temperature in

background wells is more readily observed in the April and November data, where the average temperatures prior to 2010 were commonly below 6°C; since 2010, average temperatures were largely (for November) or essentially always (for April) above 6°C. Minimum temperatures have generally increased through this period, while maximum temperatures have been similar or less than values before 2010.

Note on the temperature figure in Appendix A.2, historically, the number of background wells available for calculating the average temperature has varied and some of the high "average" values are based on only one well; therefore, the representativeness of these apparent "maximum" values is limited. Also, historical, now-decommissioned background monitoring wells were generally closer to the limit of the landfill liner than the current background wells, which is inferred to have contributed to some of the elevated historical temperatures (i.e., values greater than 15°C). Lined landfill areas and impervious surfaces in general are inferred to increase groundwater temperature through indirect contact with groundwater (thermal diffusion resulting in general heating of the subsurface) and locally reduced groundwater recharge. Changing climatic conditions such as increasing average annual temperatures documented in and predicted for New Hampshire[5],[6] may also drive increases in groundwater temperatures. Therefore, temperature is observed to exceed background values and be increasing in downgradient locations as a result of localized processes, while climatic trends may influence both downgradient and upgradient "background" wells, and changes in temperature alone would not be indicative of a liner release.

- **pH:** pH values below the range of background values at locations downgradient of/adjacent to the landfill are inferred to reflect proximity to the lined landfill and effects of the capped area on downgradient soil and groundwater conditions. Together with other water quality data collected from these wells, the lowered pH values are not indicative of a release from the lined facility. Elevated pH historically recorded at B-916D is inferred to reflect the grout used in monitoring well construction and is not indicative of a release. At locations with background exceedances, strong trends in pH were not observed.

- **Specific Conductance:** Locations with exceedances of the specific conductance background (greater than 125 µS/cm) in the current reporting period include:

Outside the GMZ	B-915U/M/D, B-916M/D, B-917D, B-918U/M/D, B-926U/L, B-927U/M, B-932L, MW-701
Inside the GMZ	B-103S, B-304UR/DR, B-919U/M, MW-604, MW-802/803, B-928U/D

[5] NHDES. 2009. The New Hampshire Climate Action Plan A Plan for New Hampshire's Energy, Environmental and Economic Development Future. https://www.des.nh.gov/sites/g/files/ehbemt341/files/documents/r-ard-09-1.pdf

[6] Wake, C.P., Keeley, C., Burakowski, E.A., Wilkinson, P., Hayhoe, K., Stoner, A., and J. LaBrance. 2014. Climate Change in Northern New Hampshire: Past, Present and Future. The Sustainability Institute. https://scholars.unh.edu/cgi/viewcontent.cgi?article=1001&context=sustainability

As indicated above, many of these wells are located outside the GMZ, generally northwest of the landfill, and are screened at intermediate and deep intervals. These intermediate and deep wells sporadically indicate anthropogenic influence (e.g., sporadic detection of VOCs and PFAS), possibly related to earthwork associated with previous phases of landfill development, and are inferred to be completed in groundwater intervals representative of longer flow paths/travel times. As such, results from these monitoring wells are inferred to be representative of historical conditions which may no longer exist at the site, and together with other water quality data collected from these wells, the elevated specific conductance values are not indicative of a release from the lined facility.

- **COD:** Locations with exceedances of COD background (15 mg/l) in one or more events in the current monitoring period include:

Outside the GMZ	B-926U, B-927M
Inside the GMZ	MW-802, MW-803

The COD concentrations at these four wells were within the range of recent results.

4.1.3.2 Metals

Arsenic, Manganese, and Iron

Consistent with previous results, arsenic and manganese were detected at concentrations exceeding their respective AGQS at several locations, typically within the GMZ, and iron was detected at several locations above the SMCL, most frequently at locations within the GMZ. As indicated in previous annual reports, the well locations where elevated concentrations of metals (arsenic, manganese, iron) have typically been observed are consistent with residual water quality effects related to the former unlined landfill, principally chemically-reducing conditions. These conditions act to mobilize naturally-occurring metals such as iron, manganese, and arsenic, resulting in elevated concentrations of these metals in groundwater. These effects thus represent longer-term geochemical changes in groundwater chemistry that are less responsive to unlined landfill removal (e.g., as compared to the VOC concentrations detected at the same monitoring locations).

A summary of inorganic parameters, including metals, for groundwater samples is provided in Tables 1 and B.2.

Other Metals

In addition to the above-referenced metals (arsenic, manganese and iron), the samples collected in July 2024 from select permit-specified Groundwater Management Wells (B-103S, B-103D, B-928U and B-928D) were analyzed for the additional metals barium, cadmium, chromium, and lead, and samples from select permit-specified Background Wells (B-923U and B-925U) as well as the new SSI wells (B-932U and B-932L) were analyzed for antimony, barium, beryllium, cadmium, chromium, lead, nickel, silver, and thallium (refer to Table 1 for results). Of these metals, barium and chromium were detected above laboratory reporting limits during the reporting period.

- **Barium:** Barium was detected above laboratory report limits at four locations outside the GMZ (B-923U, B-925U, B-932U and B-932L) and four wells inside the GMZ (B-103S, B103D, B-928U and B-928D), at concentrations below the current background barium concentration (0.025 mg/l). Concentrations inside the GMZ ranged from 0.0059 mg/l (B-103D, July 2024) to 0.023 mg/l (B-102S, July 2024) and concentrations outside the GMZ ranged from 0.0033 mg/l (B-925U, July 2024) to 0.0099 mg/l (B-932U, July 2024). Barium concentrations at these locations were within the range of historical values with the exceptions of B-932U and B-932L (in which July 2024 represented their first sampling round) and the concentrations were well below the AGQS of 2 mg/l.

- **Chromium:** Chromium concentrations were below the background chromium concentration (0.0017 mg/l) in the reporting period and ranged from not detected (<0.001 mg/l) to 0.0014 (B-932L); well below the AGQS of 0.1 mg/l.

4.1.3.3 Bromide

Beginning with the operation of Stage II in approximately 1996, bromide was applied to the waste placed in the Stage II and Stage III landfill cells (which are located in areas that are within [Stage II] or upgradient from [Stage III] the footprint of the former unlined landfill) as a tracer to aid in differentiation of groundwater quality impacts associated with the plume from the former unlined landfill from potential impacts due to potential releases from the lined Stage II and III areas. At that time, the unlined landfill plume was characterized by the presence of elevated concentrations of VOCs in groundwater, as well as other apparent constituents of leachate. Thus, the on-going presence of these VOCs in groundwater in the absence of bromide would be consistent with the pre-existing unlined landfill plume; whereas detection of a different set of VOCs, or an increase in VOC concentrations, with the detection of bromide could potentially be evidence of a new leachate release. Following completion of the unlined landfill waste re-location project, VOC concentrations in groundwater in the area of the former unlined landfill plume diminished substantially; hence, with the concurrence of NHDES, NCES terminated adding bromide to landfilled waste in approximately 2006.

As noted in our prior annual reports, low concentrations of bromide have historically been detected in the groundwater samples from the site monitoring wells, with concentrations generally ranging from approximately 0.1 to 0.4 mg/l. These concentrations are consistent with those observed in site groundwater prior to the application of bromide in Stage II, which began in 1996, and thus were historically considered to represent an overall background concentration for bromide in site groundwater (refer to wells B-102S/D and B-103S/D in Table B.2). This range of bromide concentrations provided the basis for development of background concentrations (0.4 mg/l for wells inside the GMZ; 0.1 mg/l for wells outside the GMZ).

Note that there is no AGQS or federal drinking water MCL for bromide because of its essentially benign nature at trace concentrations.

Locations indicating background exceedances of bromide in at least one sampling event in the current reporting year were as follows:

Outside the GMZ	B-926U
Inside the GMZ	None

The bromide concentration at B-926U remained similar from November 2023 (0.19 mg/l) to July 2024 (0.12 mg/l) and was not detected above the reporting limit of 0.1 mg/l in April 2024. Given the absence of detections of other parameters which indicate might a release, the modest exceedance of the bromide background at B-926U is inferred to represent residual concentrations related to historical concentrations or natural variability.

4.1.3.4 Chloride

As indicated on Table 1 and discussed in Appendix A.1, locations indicating exceedances of the chloride background [1.8 mg/l] (and sometimes also specific conductance) are typically in one of three categories, discussed below.

1. Shallow locations near roadways or downgradient of roadways (both inside and outside of the GMZ): inferred to be in part or in whole related to vehicle traffic and associated soil disturbance.

Outside the GMZ	MW-701, B-915U, B-916U, B-918U, B-926U, B-927U, B-932U

2. Certain wells within the GMZ: chloride detections are consistent with residual water quality effects related to the former unlined landfill. Deeper intervals may also indicate elevated chloride concentrations within the GMZ. A list of locations is below:

Inside the GMZ	B-103S, B-103D, B-304UR, B-304DR, MW-604, MW-802, MW-803, B-919U, B-919M, B-919D, B-928U, B-928D

   Chloride concentrations at these locations ranged from 1.9 mg/l (B-103D April 2024) to 64 mg/l (B-927U in April 2024) and were generally within the range of recent results, except for B-918U. The July 2024 concentration at B-918U of 57 mg/l represented a new max, above the previous max of 46 mg/l recorded in April 2023.

   Chloride concentrations at non-permit SSI wells B-932U and B-932L (at which July 2024 represented the first sampling event) were above background concentration, and therefore represented both an initial background exceedance at these locations. Other locations outside the GMZ (listed above) with elevated chloride concentrations have been identified in previous sampling events (Refer to Table 1).

3. Intermediate and deep wells outside the GMZ, generally northwest of the landfill: periodically or consistently elevated chloride (and sometimes also specific conductance), may indicate the presence of anthropogenic influence (e.g., sporadic detection of VOCs related to earthwork associated with previous phases of landfill development). Screened intervals are inferred to be completed at depths/locations representative of longer flow paths and/or travel times. As such, results from these monitoring wells are inferred to be representative of historical conditions which may no longer exist at the site.

Outside the GMZ	B-915M, B-915D, B-916M, B-916D, B-917D, B-918M, B-918D, B-926L, B-927M, B-932L

Chloride concentrations at these monitoring wells ranged from 3.8 mg/l (B-927M, November 2023 and April 2024) to 57 mg/l (B-915M, November 2023) and are within the range of historical results at these locations.

4.1.3.5 Nitrate

All nitrate results from the current reporting period were below the AGQS of 10 mg/l, in the range of not detected (<0.5 mg/l) to 8.7 mg/l (B-304UR, July 2024). As indicated on Tables 1 and B.2, nitrate concentrations were generally below the current background concentration (3.2 mg/l), with the following exceptions:

Inside the GMZ	B-304UR (November 2023 and July 2024)

B-304UR, within the GMZ, indicated concentrations ranging from 0.96 mg/l in April 2024 to 8.7 mg/l in July 2024. The 8.7 mg/l concentration reported in July 2024 was the highest concentration recorded since September 2021, at which the period of record maximum for this location (9.6 mg/l) was recorded.

4.1.3.6 Total Kjeldahl Nitrogen (TKN)

A summary of TKN concentrations in groundwater is provided in Tables 1 and B.2. TKN concentrations were generally below the current background concentration (0.58 mg/l) and the previous background concentration (0.92 mg/l in November 2023 and April 2024; there is no AGQS for TKN), with the exception of MW-803. TKN concentrations at MW-803 ranged from 2.2 mg/l in July 2024 to 2.9 mg/l in April 2024. TKN concentrations at MW-803 were within the range of historical values recorded at this location.

4.1.4 Evaluation of Grafton County Precipitation Conditions

As indicated on NHDES' 2022 Drought Updates and Resources website[7], drought conditions persisted in Grafton County in summer 2022, and conditions in the county and elsewhere in northern New Hampshire were generally drier than average from mid-2020 through early January 2023. To compile data to serve as a resource for documenting drought conditions in the area and provide a context for evaluating the potential influence on water quality results, we have included information from Grafton County available from the U.S. Drought Monitor[8]. In addition, average daily flows recorded at the USGS Ammonoosuc River gauge were reviewed to assess basin-wide conditions. Refer to Appendix G for data plots.

A summary of Grafton County drought conditions relative to the timing of the tri-annual sampling events is provided below:

[7] https://www.des.nh.gov/node/42491
[8] https://droughtmonitor.unl.edu/DmData/DataDownload/ComprehensiveStatistics.aspx

- **November 2023:** For a three-week period (late May to mid-June 2023), approximately 5% of the county indicated abnormally dry conditions. There were no drought conditions noted in the county between mid-June 2023 and November 2023.

- **April 2024:** There were no drought conditions noted in the county between November 2023 and April 2024.

- **July 2024:** From mid-June 2023 until mid-June 2024, no drought conditions were noted in the county. From mid-June 2024 through the end of July 2024, approximately 5-30% of the county indicated abnormally dry conditions. The July 2024 event was performed approximately five weeks after the period of abnormally dry conditions began.

USGS Ammonoosuc River gauge indicated that average daily flows in the Ammonoosuc River at the time of sample collection in November 2023 were generally at the mid-range of flows recorded in the previous five years. From March 2024 to early April 2024, flows were near the higher end of flows recorded during this seasonal interval in the previous five years. From mid-April through late July the average daily flow was generally similar to the previous five years.

4.2 Assessment Monitoring – MW-701 and B-918M

Consistent with the Release Detection Monitoring required by NHDES in the October 21, 2019 letter, quarterly Assessment Monitoring continued at monitoring wells MW-701 and B-918M due to reoccurring detections of PFAS compounds at these locations. MW-701 and B-918M were each sampled four times in this reporting period. VOCs (including 1,4-dioxane) were not detected at these two locations and PFAS concentrations were within the range of previous results.

Sulfate was required by NHDES in the October 21, 2019 letter to be analyzed in the MW-701 and B-918M samples. As indicated in Exhibit 6 below, the sulfate results from MW-701 and B-918M during the current reporting period were within the range of previous values and well below the GW-1/AGQS (500 mg/l). Because sulfate was added as a Permit-required in September 2023, a background value has not yet been established for this parameter.

Exhibit 6
Summary of Sulfate Results (mg/l)

Location	Date	Sulfate
	GW-1 (AGQS)	500
	SMCL	250
MW-701	11/04/19	24
MW-701	01/07/20	34
MW-701	04/20/20	52
MW-701	07/15/20	38
MW-701	11/02/20	32
MW-701	01/13/21	32
MW-701	04/19/21	54
MW-701	07/06/21	48
MW-701	11/01/21	31

Location	Date	Sulfate
	GW-1 (AGQS)	500
	SMCL	250
MW-701	01/06/22	31
MW-701	04/18/22	20
MW-701	07/12/22	22
MW-701	11/2/22	18
MW-701	1/4/23	21
MW-701	4/19/23	17
MW-701	7/12/23	21
MW-701	11/6/23	18
MW-701	1/2/24	25
MW-701	4/16/24	23
MW-701	7/23/24	18
B-918M	11/04/19	12
B-918M	01/07/20	12
B-918M	04/20/20	13
B-918M	07/15/20	12
B-918M	11/02/20	13
B-918M	01/13/21	13
B-918M	04/19/21	13
B-918M	07/06/21	13
B-918M	11/02/21	14
B-918M	01/06/22	14
B-918M	04/18/22	13
B-918M	07/12/22	14
B-918M	11/2/22	13
B-918M	1/4/23	13
B-918M	4/19/23	13
B-918M	7/11/23	12
B-918M	11/6/23	11
B-918M	1/2/24	9.7
B-918M	4/16/24	8.5
B-918M	7/22/24	8.4

PFAS detections at MW-701 and B-918M are summarized on the plot in Appendix D.2, and are discussed below.

- **MW-701:** As indicated on the tables and charts in Appendix D, the concentrations of individual PFAS analytes in MW-701 in the current reporting period were within the range of results from the previous PFAS sampling events at this location dating back to April 2018. Total PFAS concentrations (sum of detected analytes) and total regulated PFAS concentrations (sum of PFOA, PFOS, PFNA, PFHxS) at MW-701 remained well below their historical maximum values (both measured in July 2018).

- **B-918M:** As indicated on the tables and charts in Appendix D, the concentrations of individual PFAS analytes in B-918M in in the current reporting period were within the range of results from the previous PFAS sampling events at this location dating back to July 2018.

Multiple analytes which were consistently detected between July 2018 and July 2022 (PFPeA, PFHxA and PFHpA) decreased in concentration to non-detect during this reporting period, or remained non-detect in this period after decreasing to non-detect in the previous period (PFBS, PFNA). Total PFAS concentrations, and total AGQS-regulated PFAS concentrations at B-918M remained well below their historical maximum values (both measured in July 2018).

4.3 Surface Water Results

Surface water sampling for the current monitoring period was performed at eight locations at the site. As shown on Table B.3, VOCs were not detected in surface water in the current reporting year. With the exception of manganese, as discussed below for comparative purposes, no other values exceeded AGQS in surface water samples in the current monitoring period.

During the reporting period, total (unfiltered) manganese was detected above the human health water and fish criteria (0.05 mg/l) and the human health fish only criteria (0.1 mg/l) in one or more samples collected at S-1, SF-1, S-108, and S-109. The AGQS of 0.3 mg/l was exceeded in surface water samples collected at SF-1 (0.59 mg/l in November 2023) and S-108 (1.5 mg/l in July 2024). The manganese concentrations at these locations were within the range of historical results and generally consistent with recent results. Iron was detected above the aquatic life chronic criteria (1 mg/l) and human health water and fish criteria (0.3 mg/l) in one or more samples collected at SF-1 and S-108. The iron and manganese concentrations at S-108 and S-109 in the last several years show a record of fluctuations, inferred to be related to natural conditions based on the absence of other release indicators at these locations.

Chloride concentrations at Seep S-1, SF-1, S-101, S-108 and S-109 in the current reporting period were generally consistent with recent concentrations at these locations. Chloride concentrations ranged from not detected (S-101 in July 2024; <1 mg/l) to 7.4 mg/l (SF-1 in November 2023). COD was detected in the sample from S-108 (100 mg/l, July 2024) and was within the range of recent concentrations recorded at this location. In the current reporting period, nitrate and TKN were not detected in surface water.

Iron, manganese, and chloride concentrations measured in the Ammonoosuc River samples in this reporting period indicate comparable conditions in the upstream and downstream sampling locations, and do not indicate material impact to the River's surface water quality. The iron and manganese concentrations in the Ammonoosuc River samples for July 2024 were below the respective aquatic life and human health criteria and AGQS. Nitrate, COD and TKN were not detected in Ammonoosuc River samples in this reporting period; chloride was detected in each sample at concentrations between 9.1 and 9.4 mg/l and were within the range of recent concentrations recorded at these locations.

5.0 CONCLUSIONS – SUMMARY OF 2024 WATER QUALITY

NCES has continued water quality monitoring at the site under the Groundwater Monitoring Permit with supplemental monitoring as discussed above in Section 1.0. The historical record of water quality monitoring data developed over time at the site, including the most recent July

2024 event do not suggest a "new" or on-going release from leachate containment systems at the facility. Residual impacts to groundwater from the former unlined landfill continue to diminish, and are currently evidenced largely by the inorganic parameters; and sporadic, low-level concentrations of VOCs at six monitoring wells (B-304UR, B-304DR, B-928U, and B-928D, inside the GMZ, and B-927M and MW-701, outside the GMZ). We also note the initial low-level VOC detection at B-103S in the July 2024 primary sample, also inside the GMZ. Where identified outside the GMZ, limited groundwater impacts are consistent with historical conditions that have been corrected at the site, or to limited impacts related to site operations (e.g., pH, temperature, specific conductance, and chloride values compared to background conditions that do not have evidence indicating a release).

As described herein, the overall results for the current year's monitoring, including the most recent July 2024 data, indicate that groundwater concentrations were generally consistent with the recent years' findings and the conceptual model of hydrogeologic conditions at the Site. Limited detections at MW-803 and B-103S are being evaluated in a September 2024 follow-up sampling event. Where identified, exceedances of background conditions are well understood relative to site operations and historical landfill conditions, and are not considered to represent a significant change in site conditions.

The following specific observations are noted (VOCs and PFAS in groundwater are discussed first, then inorganic parameters for groundwater, and finally surface water):

5.1 Groundwater VOCs and PFAS

VOCs (1,4-dioxane and/or DCDFM) were detected at three locations during one or more sampling events in the current reporting period. 1,4-dioxane concentrations at B-304DR and B-103S were below the AGQS (0.32 µg/l) where detected in this reporting period, and detected DCDFM concentrations at B-927M have been well below the AGQS of 1,000 µg/l.

Concentrations of AGQS-regulated PFAS compounds in the current reporting period were below AGQS values, with the exception of PFOA at eight locations (B-304DR, B-304UR, MW-604, MW-802, MW-803, B-926U, B-919U, and B-928U) in one or more sampling events and, PFHxS at one location (B-304UR) in the July 2024 sampling event.

PFOA has been more frequently detected at the site than PFOS, PFNA, and PFHxS, which were only sporadically detected during the current reporting period. PFOS was detected at four locations (MW-604, MW-701, B-918M and B-932U) and PFNA was detected at only two locations (B-304DR and B-919U) in this reporting period, all at concentrations below their respective AGQS. PFHxS was detected at six locations (B-304UR, B-304DR, MW-802, MW-803, B-918M and B-926U) in one or more sampling events in the current reporting period, all at concentrations below the AGQS, except for the concentrations recorded at B-304UR.

Detections of PFAS and VOCs are only occasionally coincident in site groundwater. As an example, at B-304DR, where 1,4-dioxane concentrations have been detected in this reporting period, the concentrations of several PFAS analytes have also been detected. However, at B-927M, where DCDFM has historically been detected, only one PFAS analyte (FOSA) has been

detected (one time at a J-qualified value in July 2020). Water quality trends in VOCs and PFAS continue to be evaluated. For other monitoring wells, the VOC and PFAS results, together with other water quality results from the site, are not considered to be indicative of a new or on-going release from the landfill.

5.2 Groundwater Inorganic/Indicator Parameters

Where noted, exceedances of site background for indicator parameters are understood to be limited impacts related to site operations (e.g., pH, temperature, specific conductance, and chloride values compared to background conditions that do not have evidence indicating a release), or documented historical releases at the site (including the former unlined landfill), and the results do not indicate a new or ongoing release at the facility. The principal indicator parameters exceeding background are pH, temperature, specific conductance, and chloride.

As indicated in previous Annual Reports, the well locations where elevated concentrations of metals (arsenic, manganese, iron) have typically been observed are consistent with residual water quality effects related to the former unlined landfill, principally chemically-reducing conditions, which result in elevated concentrations of these metals in groundwater.

AGQS exceedances for inorganic parameters in groundwater were limited to arsenic and manganese, and were generally recorded at wells nearby or downgradient from the former unlined landfill, and at two locations (MW-701 and B-926U – both manganese only) west-northwest of the landfill where elevated manganese concentrations have previously been documented.

- Arsenic concentrations exceeding the AGQS (0.005 mg/l), and therefore also the site background (0.00051 mg/l) in one or more sampling events in this reporting period were recorded at five groundwater locations inside the GMZ, B-103S, B-103D, MW-802, MW-803, and B-919M). Arsenic concentrations exceeding the AGQS were not recorded outside the GMZ in this reporting period. Arsenic concentrations in this reporting period were within the range of previous values with the exception of:

    - B-932L initial exceedance of site background in its first sampling event in July 2024 (installed in June 2024).

- Manganese concentrations exceeding the AGQS (0.3 mg/l), and therefore also the site background (0.072 mg/l) in one or more sampling events in this reporting period were recorded at six groundwater locations inside the GMZ (B-103S, B-103D, B-304DR, MW-802, MW-803, and B-919M), and two locations outside the GMZ (B-926U and MW-701). Manganese concentrations were within the range of the prior monitoring results, with the limited exceptions of:

    - B-927M period of record max in April 2024 (0.28 mg/l), exceeding site background but below AGQS; and
    - B-932U initial exceedance of site background in July 2024 (installed in June 2024).

- Iron concentrations exceeding the site background (0.41 mg/l), and therefore also the SMCL (0.3 mg/l) in one or more sampling events this reporting period were recorded at five groundwater locations inside the GMZ (B-103S, B-103D, MW-802, MW-803, and B-919M). One well located outside the GMZ (B-927M) indicated exceedances of background for iron. Iron concentrations were within the range of prior monitoring results.

5.3 Surface Water

Surface water quality indicators and inorganic parameters were generally consistent with recent data. In this reporting period, VOCs were not detected in surface water samples.

Iron concentrations exceeding the aquatic life chronic criteria (1 mg/l) and human health water and fish criteria (0.3 mg/l) were recorded at two surface water sampling locations (SF-1 and S-108) in one or more sampling events in the current reporting period; however, the iron concentrations at all the seep locations in this reporting period were well below historical maximum values.

Manganese was detected above the human health water and fish criteria (0.05 mg/l) and the human health fish only criteria (0.1 mg/l) in one or more samples collected at S-1, SF-1, S-108, and S-109. Manganese concentrations exceeding the current AGQS (0.3 mg/l) were detected at two locations (SF-1 and S-108) in one or more sampling events in the current reporting period; however, the manganese concentrations at all the seep locations were well below historical maximum values.

Analytical results from Ammonoosuc River samples collected in this reporting period indicate comparable conditions in the upstream and downstream sampling locations, and do not indicate material impact to the River's surface water quality. Concentrations in the Ammonoosuc River samples for this reporting period were below the respective aquatic life and human health criteria and AGQS.

6.0 SUPPLEMENTAL SITE INVESTIGATION UPDATE

In accordance with the Work Plan for a Supplemental Site Investigation – Northeast Conceptual Site Model Update submitted to NHDES on February 6, 2024[9], and NHDES letters dated November 7, 2023[10] and April 18, 2024[11], an SSI is being conducted to update the CSM for the northeastern portion of the NCES Landfill site, which includes the GMZ and several release detection wells. We understand that NHDES is requesting this information to evaluate how potential historical sources and site infrastructure may influence monitoring results in order to inform ongoing release detection monitoring at the site.

Two new monitoring wells – B-932U and B-932L – were installed in June 2024 as part of the SSI and were sampled as part of the July 2024 sampling event. Laboratory analytical results for these wells are included in Table 1 and Appendix B.2.

[9] https://www4.des.state.nh.us/DocViewer/?ContentId=5153821
[10] https://www4.des.state.nh.us/DocViewer/?ContentId=5130124
[11] https://www4.des.state.nh.us/DocViewer/?ContentId=5181229

An SSI Data Transmittal with additional information on the status of the SSI will be provided to NHDES in a separate submittal.

7.0 RESPONSE TO NHDES COMMENTS

In a letter dated July 19, 2024[12], NHDES provided comments regarding the November and December 2023 and April 2024 groundwater quality monitoring results submittals. Each NHDES comment is replicated below in italicized font and followed by the corresponding response in regular font.

1. *NHDES notes elevated laboratory reporting limits were observed for per- and polyfluoroalkyl substances (PFAS) at some monitoring wells when utilizing EPA's Method 1633 for analysis, as discussed by SHA in the above submittals, during both the November 2023 and April 2024 Permit monitoring rounds. The December 2023 monitoring event was conducted to resample three locations which had elevated reporting limits during the November 2023 Permit monitoring round. The elevated reporting limits in many cases were higher than recent historical detections at site release detection monitoring wells and are also above Ambient Groundwater Quality Standards (AGQS) for the four PFAS currently regulated in New Hampshire. Elevated reporting limits create unacceptable data gaps in the monitoring record limiting the ability to appropriately evaluate potential ongoing trends in the site's PFAS dataset, that is rather short in comparison to other monitored parameters at the site. Future Permit monitoring events are expected to have viable analytical results with appropriate laboratory reporting limits that are comparable to the historical record and AGQS, in order to maintain compliance with the regulatory requirements of the site's groundwater release detection and groundwater management permit.*

   The laboratory's inability to repeatedly and reliably perform EPA Method 1633 analysis and achieve appropriate reporting limits should continue to be evaluated moving forward. As discussed in the June 19, 2024 submittal by SHA, utilizing another accepted analytical method or different laboratory to perform PFAS analysis that can provide results which fulfill the regulatory requirements of the Permit is advisable for future monitoring at the site.

   We note, under Permit Condition #11, all of the monitoring locations sampled for PFAS during the April 2024 round with elevated reporting limits are required to be resampled for PFAS as part of the July 2024 monitoring round.

   Response:
   All nine monitoring wells sampled for PFAS in the April 2024 event (B-103S, B-103D, B-304UR, B-304DR, MW-604, MW-701, B-918M, B-928U, B-928D) were sampled in the July 2024 event using USEPA Method 537 modified and reporting limits were acceptable for comparison to AGQS. The results are discussed in Section 4.1.2 of this report. Sanborn Head is continuing to evaluate USEPA Method 1633 capabilities at other laboratories to reduce the potential for suspended solids in groundwater samples to influence PFAS reporting limits. We propose to continue using USEPA Method 537 modified until we have identified a

[12] https://www4.des.state.nh.us/DocViewer/?ContentId=5215513

lab that can reliably implement USEPA Method 1633 for the groundwater conditions at the site.

2. *The elevated reporting limits noted above for the EPA Method 1633 analyses during both the November/December 2023 and April 2024 rounds has limited the usable data collected for other PFAS within the Groundwater Management Zone (GMZ) for the former unlined landfill. However, we note continued variable concentrations of PFAS when detected above laboratory reporting limits. Detected concentrations of perfluorooctanoic acid (PFOA) at monitoring wells B-304UR and B-304DR increased between November/December 2023 and April 2024. We note that the total PFAS detected decreased between the rounds; however, given the elevated reporting limits, this should be confirmed with additional monitoring.*

   Response:
   Monitoring wells B-304UR and B-304DR were sampled in the July 2024 sampling event and the results are discussed in Section 4.1.2 of this report. PFOA and total PFAS concentrations detected at B-304UR and B-304DR in July 2024 were within the range of historical concentrations recorded at these locations.

3. *We note the May 31, 2024 and June 19, 2024 submittals were both titled "April 2024 Tri-Annual Water Quality Monitoring Results" and were near duplicates with the exception of the inclusion of PFAS discussion and data in the later submittal. Unless a merged document is requested, in the future when submitting additional information or results for a required Permit submittal, please either clearly identify the differences between near duplicate documents or submit the follow-on data (in this case PFAS) as an addendum and only include those related discussion points and/or conclusions and recommendations that are new or may have changed as a result of the additional data. Submitting near duplicate submittals creates inefficiencies in the review process and may delay NHDES response.*

   Response:
   Comment acknowledged.

   Assessment Monitoring:
   Detected concentrations of landfill leachate indicator parameters at MW-701 and B-918M indicate generally stable or decreasing concentrations and trends over time. Based on the monitoring well locations and analytical results, the groundwater impacts are generally consistent with residual impacts from previously identified and corrected leachate management issues and do not appear indicative of a new release from the landfill. NHDES notes the elevated reporting limits discussed above for PFAS did not impact analytical results at B-918M and only impacted results at MW-701 during the April 2024 round. Assessment monitoring at MW-701 and B-918M is required to continue on a quarterly basis to track detected impacts and confirm the current trends. Sampling and analysis for PFAS, NHDES Waste Management Division Full List of Analytes for volatile organics, 1,4-dioxane (using a 0.25 ug/L reporting limit), specific conductance @25°C, pH, temperature, and turbidity, nitrate, sulfate, Total Kjeldahl Nitrogen (TKN), chloride, iron, and manganese is required.

NHDES notes if increasing trends of landfill leachate indicator parameters are observed, additional investigation and/or expanded monitoring may be required.

Response:
Comment acknowledged.

Other Comments:
Please note the ongoing Supplemental Site Investigation (SSI) initiated to update the Conceptual Site Model (CSM) for the northeastern portion of the site, originally addressed in a November 7, 2023 letter by NHDES, is ongoing and addressed under separate submittals contained in the project record.

Response:
Comment acknowledged.

8.0 POTENTIAL RECEPTOR EVALUATION

As required by Special Condition No. 16 of the Permit, Appendix H includes information regarding potential receptors within 1,000 feet of the NCES Landfill. A "potential receptor" is defined in Env-Or 602.21 as "a living organism or an environmental medium that is in the pathway of contamination from a discharge". As required by Special Condition No. 16 of the Permit and Env-OR 606.0-7(d), the Potential Receptor Map in Appendix H shows streets, properties, surface water, and water supply wells[13]. Property ownership information is tabulated in Appendix H. None of the potable water supply wells are located within 1,000 feet of the landfill. Based on the water quality record for the site, no receptor within 1,000 feet of the landfill is anticipated to be exposed to unacceptable risk from site operations.

9.0 CLOSING AND RECOMMENDATIONS

We trust that this report satisfies NHDES' requirements for the tri-annual July 2024 data transmittal, and 2024 annual summary of water quality monitoring results under the Permit.

Consistent with the Permit, the next tri-annual water quality sampling event is scheduled for November 2024. As indicated in our August 19, 2024 email summary of July 2024 water quality results, given the detections discussed above at MW-103S and MW-803, we are planning to sample these two wells for VOCs and PFAS in September 2024 to provide follow-up data for comparison to the July results.

Should you have questions regarding the information presented herein, or wish to discuss any of our findings and conclusions as presented in this report, please feel free to contact Tim White at Sanborn Head or Joe Gay at NCES.

[13] Env-Or 606.07(d) defines sensitive subpopulations as "such as daycare centers, schools, playgrounds, parks, senior housing". No such features exist within 1,000 feet of the NCES Landfill.

Table

TABLE 1
Evaluation of Background Exceedances – Groundwater Samples – April 2024
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	SU	uS/cm	C	mg/L									ug/L		ng/L											Inferred Context for Background Exceedance											Comments
																												1	2	3	4	5	6	7	8	9	10	11	
			pH	Specific Conductance	Temperature	Bromide	Chemical Oxygen Demand (COD)	Chloride	Nitrate	Total Kjeldahl Nitrogen (TKN)	Arsenic, Dissolved	Chromium, Dissolved	Iron, Dissolved	Manganese, Dissolved	Dichlorodifluoromethane (CFC12)	Dioxane (1,4-)	Perfluorobutanoic Acid (PFBA) [3]	Perfluoropentanoic Acid (PFPeA) [4]	Perfluorohexanoic Acid (PFHxA) [5]	Perfluoroheptanoic Acid (PFHpA) [6]	Perfluorooctanoic Acid (PFOA) [7]	Perfluorononanoic Acid (PFNA) [8]	Perfluorobutanesulfonic Acid (PFBS) [4S]	Perfluoropentanesulfonic Acid (PFPeS) [5S]	Perfluorohexanesulfonic acid (PFHxS) [6S]	Perfluorooctanesulfonic Acid (PFOS) [8S]	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	pH below background downgradient of/adjacent to lined landfill; pH generally 5.6 to 6.2 s.u.	pH elevated due to grout used in monitoring well construction; grout may also result in elevated specific conductance.	Temperature above background inferred to be related to location of well downgradient of/adjacent to lined landfill area; or temperature below background (indicated with "<8G", typically during colder months).	Periodically or consistently elevated concentrations of metals (typically, but not limited to naturally-occurring arsenic, manganese, iron) consistent with residual water quality effects related to the former unlined landfill, principally chemically-reducing conditions.	Periodically or consistently elevated chloride (and sometimes also specific conductance) primarily at shallow locations near or downgradient of roadways inferred to be in part or in whole related to road salting/vehicle traffic and associated soil disturbance. Deeper intervals may also indicate elevated chloride concentrations within the GMZ.	Periodically or consistently elevated chloride (and sometimes also specific conductance) at intermediate and deep wells outside the GMZ, and generally northwest of the landfill. These intermediate and deep wells sporadically indicate the presence of anthropogenic influence (e.g., sporadic detection of VOCs presumed to be related to earthwork associated with previous phases of landfill development), and are inferred to be completed in groundwater intervals representative of longer flow paths/travel times. As such, results from these monitoring wells are inferred to be representative of historical conditions which may no longer exist at the site.	Periodically or frequently detected COD consistent with residual water quality effects related to the former unlined landfill.	Periodically or frequently detected TKN consistent with residual water quality effects related to the former unlined landfill.	Shallow or intermediate well with sporadic nitrate detection; inferred to be related to hydroseeding, vegetation clearing, soil disturbance, or other site operations.	History of low-level PFAS inside the GMZ related to the presence of the former unlined landfill.	Low-level detections of extended metals list analytes (primarily barium and chromium) at locations adjacent to/downgradient of lined landfill areas; inferred to be related to naturally-occurring metals in soil with concentrations possibly increased by mineral weathering related to earthwork associated with previous phases of landfill development.	
GW-1 (AGQS)									10		0.005	0.1		0.3	1000	0.32					12	11			18	15												
SMCL			6.5-8.5					250					0.3	0.05																								
Background 2023-11			6.3-8.2	125	5.3-11.7	0.1, 0.4 §	15	1.8	3	0.92	0.00051	0.0017	0.41	0.046	<2	<0.25	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0												
Background 2024-04			6.3-8.1	125	5.4-11.7	0.1, 0.4 §	15	1.8	3.2	0.92	0.00051	0.0017	0.41	0.046	<2	<0.25	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0												
Background 2024-07			6.3-8.7	125	5.6-11.9	0.1, 0.4 §	15	1.8	3.2	0.58	0.00051	0.0017	0.41	0.072	<2	<0.25	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5												
Background Wells																																						
B-923U	11/6/2023	N	Sampling not required as part of permit monitoring																																			
B-923U	4/16/2024	N	7.42	59	6.5	<0.1	<10	<1	<0.5	<0.5			<0.05	<0.005	<2	<0.25																							
B-923U	7/23/2024	N	7.29	75	14.1	<0.1	<10	1.1	<0.5	<0.5	<0.0005	<0.001	<0.05	<0.005			<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97												Temp. consistent with hist. values
B-924U	11/7/2023	N	*6.46*	91	7.8	<0.1	<10	<1	<0.5	<0.5			<0.05	<0.005	<2	<0.25																							
B-924U	4/16/2024	N	Sampling not required as part of permit monitoring																																			
B-924U	7/23/2024	N	Sampling not required as part of permit monitoring																																			
B-924L	11/6/2023	N	Sampling not required as part of permit monitoring																																			
B-924L	4/16/2024	N	Sampling not required as part of permit monitoring																																			
B-924L	7/23/2024	N	*8.9*	113	9.3	<0.1	<10	<1	<0.5	<0.5			<0.05	0.0094	<2	<0.25																							pH within historical values
B-925U	11/6/2023	N	Sampling not required as part of permit monitoring																																			
B-925U	4/15/2024	N	6.89	70	7.5	<0.1	<10	<1	<0.5	<0.5			<0.05	<0.005	<2	<0.25																							
B-925U	7/23/2024	N	7.54	67	8.7	<0.1	<10	1.4	<0.5	<0.5	<0.0005	<0.001	<0.05	<0.005																							
B-925L	11/6/2023	N	Sampling not required as part of permit monitoring																																			
B-925L	4/15/2024	N	Sampling not required as part of permit monitoring																																			
B-925L	7/23/2024	N	7.75	122	9.1	<0.1	<10	1.3	<0.5	<0.5			0.17	*0.072*	<2	<0.25																							
B-929U	11/7/2023	N	*6.21*	84	7.4	<0.1	<10	1.4	3	<0.5			<0.05	<0.005	<2	<0.25																							pH within historical values
B-929U	4/15/2024	N	7.05	85	8	<0.1	<10	1.1	3.2	<0.5			<0.05	<0.005	<2	<0.25																							
B-929U	7/23/2024	N	6.96	84	9.1	<0.1	<10	1.2	2.3	<0.5			<0.05	<0.005			<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98											
B-929L	11/7/2023	N	Sampling not required as part of permit monitoring																																			
B-929L	4/15/2024	N	Sampling not required as part of permit monitoring																																			
B-929L	7/23/2024	N	7.02	79	11.1	<0.1	<10	1.8	0.51	<0.5			<0.05	<0.005	<2	<0.25																							
Release Detection Wells Outside the GMZ																																						
B-915D	11/6/2023	N	Sampling not required as part of permit monitoring																																			
B-915D	4/16/2024	N	Sampling not required as part of permit monitoring																																			
B-915D	7/23/2024	N	6.71	213	9.4	<0.1	<10	30	<0.5	<0.5			<0.05	<0.005	<2	<0.25															✓								
B-916U	11/8/2023	N	*6.34*	65	7.4	<0.1	<10	2.1	<0.5	<0.5			<0.05	<0.005	<2	<0.25															✓								
B-916U	4/16/2024	N	*6.35*	53	8.3	<0.1	<10	1.2	<0.5	<0.5			<0.05	<0.005	<2	<0.25																							
B-916U	7/23/2024	N	*6.42*	61	10.5	<0.1	<10	1.1	<0.5	<0.5			<0.05	0.0056			<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91											
B-916M	11/8/2023	N	*6.2*	277	7.5	<0.1	<10	51	0.55	<0.5			<0.05	<0.005	<2	<0.25												✓					✓						
B-916M	4/16/2024	N	*6.24*	236	9.7	<0.1	<10	43	0.58	<0.5			<0.05	<0.005	<2	<0.25												✓					✓						
B-916M	7/23/2024	N	6.71	252	9.7	<0.1	<10	38	<0.5	<0.5			<0.05	<0.005			3.39	3.29	4.27	<1.96	2.14	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96						✓						Refer to 2024 Annual report for discussion of PFAS.
B-916D	11/8/2023	N	Sampling not required as part of permit monitoring																																			
B-916D	4/16/2024	N	Sampling not required as part of permit monitoring																																			
B-916D	7/23/2024	N	*11.51*	271	11.3	<0.1	<10	12	<0.5	<0.5					<2	<0.25													✓					✓					
B-917U	11/8/2023	N	7.12	46	6.3	<0.1	<10	<1	<0.5	<0.5			<0.05	<0.005	<2	<0.25																							
B-917U	4/16/2024	N	7.27	34	9.1	<0.1	<10	<1	<0.5	<0.5			<0.05	<0.005	<2	<0.25																							
B-917U	7/22/2024	N	7.7	40	9.8	<0.1	<10	1.5	<0.5	<0.5			<0.05	<0.005			<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94											
B-909	11/8/2023	N	6.9	86	7.5	<0.1	<10	<1	<0.5	<0.5			0.097	<0.005	<2	<0.25																							
B-909	4/16/2024	N	7.03	81	9.4	<0.1	<10	<1	<0.5	<0.5			<0.05	<0.005	<2	<0.25																							
B-909	7/22/2024	N	6.78	88	9.6	<0.1	<10	<1	<0.5	<0.5			<0.05	<0.005			<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51											
B-917D	11/8/2023	N	Sampling not required as part of permit monitoring																																			
B-917D	4/16/2024	N	Sampling not required as part of permit monitoring																																			
B-917D	7/22/2024	N	6.88	141	11.5	<0.1	<10	12	<0.5	<0.5			<0.05	<0.005	<2	<0.25																		✓					
B-918U	11/6/2023	N	*6.06*	260	9.4	<0.1	<10	31	2.2	<0.5			<0.05	<0.005	<2	<0.25												✓				✓						
B-918U	4/16/2024	N	*5.96*	175	11.6	<0.1	<10	22	0.73	<0.5			<0.05	<0.005	<2	<0.25												✓				✓						
B-918U	7/22/2024	N	*6.4*	320	12.5	<0.1	<10	57	1.8	<0.5			<0.05	<0.005			<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93				✓		✓						
B-918D	11/6/2023	N	Sampling not required as part of permit monitoring																																			
B-918D	4/16/2024	N	Sampling not required as part of permit monitoring																																			
B-918D	7/22/2024	N	7.01	126	12.8	<0.1	<10	4.4	<0.5	<0.5			<0.05	<0.005	<2	<0.25															✓								
B-926U	11/6/2023	N	*6.15*	250	8.7	0.19	21	4.3	<0.5	<0.5			<0.05	***2.3***	<2	<0.25												✓			✓	✓			✓				
B-926U	4/16/2024	N	*6.35*	203	7.9	<0.1	14	3	<0.5	<0.5			<0.05	***2.2***	<2	<0.25															✓	✓							
B-926U	7/23/2024	N	*5.87*	242	10.6	0.12	18	3.9	<0.5	<0.5			<0.05	***4***			3.95	4.74	10.2	17	**44.6**	<2.05	2.37	<2.05	4.41	<2.05	<2.05	✓			✓	✓			✓				Refer to 2024 Annual report for discussion of PFAS.
B-926L	11/6/2023	N	*6.3*	236	7.9	<0.1	<10	38	<0.5	<0.5			<0.05	<0.005	<2	<0.25																		✓					
B-926L	4/16/2024	N	*6.16*	198.1	7.9	<0.1	<10	32	0.54	<0.5			<0.05	<0.005	<2	<0.25												✓						✓					
B-926L	7/23/2024	N	*6.19*	222	9.2	<0.1	<10	30	<0.5	<0.5			<0.05	<0.005			4.14	4.74	5.89	<1.97	2.74	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	✓						✓					Refer to 2024 Annual report for discussion of PFAS.
B-927U	11/6/2023	N	*6.16*	406	10.9	<0.1	<10	63	1.1	<0.5			<0.05	<0.005	<2	<0.25												✓				✓							
B-927U	4/15/2024	N	6.63	406	11.2	<0.1	<10	64	2.1	<0.5			<0.05	0.0054	<2	<0.25																✓							

TABLE 1
Evaluation of Background Exceedances – Groundwater Samples – April 2024
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	SU	uS/cm	C	mg/L									ug/L		ng/L											Inferred Context for Background Exceedance												Comments
																												1	2	3	4	5	6	7	8	9	10	11	
			pH	Specific Conductance	Temperature	Bromide	Chemical Oxygen Demand (COD)	Chloride	Nitrate	Total Kjeldahl Nitrogen (TKN)	Arsenic, Dissolved	Chromium, Dissolved	Iron, Dissolved	Manganese, Dissolved	Dichlorodifluoromethane (CFC12)	Dioxane (1,4-)	Perfluorobutanoic Acid (PFBA) [3]	Perfluoropentanoic Acid (PFPeA) [4]	Perfluorohexanoic Acid (PFHxA) [5]	Perfluoroheptanoic Acid (PFHpA) [6]	Perfluorooctanoic Acid (PFOA) [7]	Perfluorononanoic Acid (PFNA) [8]	Perfluorobutanesulfonic Acid (PFBS) [4S]	Perfluoropentanesulfonic Acid (PFPeS) [5S]	Perfluorohexanesulfonic acid (PFHxS) [6S]	Perfluorooctanesulfonic Acid (PFOS) [8S]	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	pH below background downgradient of/adjacent to lined landfill; pH generally 5.6 to 6.2 s.u.	pH elevated due to grout used in monitoring well construction; grout may also result in elevated specific conductance.	Temperature above background inferred to be related to location of well downgradient of/adjacent to lined landfill area; or temperature below background (indicated with "<BG", typically during colder months).	Periodically or consistently elevated concentrations of metals (typically, but not limited to naturally-occurring arsenic, manganese, iron) consistent with residual water quality effects related to the former unlined landfill, principally chemically-reducing conditions.	Periodically or consistently elevated chloride (and sometimes also specific conductance) primarily at shallow locations near or downgradient of roadways inferred to be in part or in whole related to road salting/vehicle traffic and associated soil disturbance. Deeper intervals may also indicate elevated chloride concentrations within the GMZ.	Periodically or consistently elevated chloride (and sometimes also specific conductance) at intermediate and deep wells outside the GMZ, and generally northwest of the landfill. These intermediate and deep wells sporadically indicate the presence of anthropogenic influence (e.g., sporadic detection of VOCs presumed to be related to earthwork associated with previous phases of landfill development), and are inferred to be completed in groundwater intervals representative of longer flow paths/travel times. As such, results from these monitoring wells are inferred to be representative of historical conditions which may no longer exist at the site.	Periodically or frequently detected COD consistent with residual water quality effects related to the former unlined landfill.	Periodically or frequently detected TKN consistent with residual water quality effects related to the former unlined landfill.	Shallow or intermediate well with sporadic nitrate detection; inferred to be related to hydroseeding, vegetation clearing, soil disturbance, or other site operations.	History of low-level PFAS inside the GMZ related to the presence of the former unlined landfill.	Low-level detections of extended metals list analytes (primarily barium and chromium) at locations adjacent to/downgradient of lined landfill areas; inferred to be related to naturally-occurring metals in soil with concentrations possibly increased by mineral weathering related to earthwork associated with previous phases of landfill development.	
GW-1 (AGQS)									10		0.005	0.1		0.3	1000	0.32					12	11			18	15													
SMCL			6.5-8.5					250					0.3	0.05																									
Background 2023-11			6.3-8.2	125	5.3-11.7	0.1, 0.4 §	15	1.8	3	0.92	0.00051	0.0017	0.41	0.046	<2	<0.25	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0													
Background 2024-04			6.3-8.1	125	5.4-11.7	0.1, 0.4 §	15	1.8	3.2	0.92	0.00051	0.0017	0.41	0.046	<2	<0.25	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0													
Background 2024-07			6.3-8.7	125	5.6-11.9	0.1, 0.4 §	15	1.8	3.2	0.58	0.00051	0.0017	0.41	0.072	<2	<0.25	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5													
B-927U	7/22/2024	N	*6.01*	359	16.7	<0.1	<10	51	2.6	<0.5			<0.05	<0.005			14.3	13.9	13.9	2.52	<1.97	<1.97	6.41	<1.97	<1.97	<1.97	<1.97	✓		✓		✓								Refer to 2024 Annual report for discussion of PFAS.
B-927L	11/6/2023	N	Sampling not required as part of permit monitoring																																				
B-927L	4/15/2024	N	Sampling not required as part of permit monitoring																																				
B-927L	7/22/2024	N	7.22	103	16.7	<0.1	11	1.7	<0.5	<0.5			0.16	*0.17*	<2	<0.25														✓	✓									
B-930U	11/7/2023	N	7.14	99	8.4	<0.1	<10	<1	<0.5	<0.5			<0.05	0.0067	<2	<0.25																							
B-930U	4/15/2024	N	6.7	96	7.4	<0.1	<10	<1	<0.5	<0.5			<0.05	<0.005	<2	<0.25																							
B-930U	7/23/2024	N	7.01	94	10.2	<0.1	<10	<1	<0.5	<0.5			<0.05	<0.005			<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95											
B-930L	11/7/2023	N	Sampling not required as part of permit monitoring																																				
B-930L	4/15/2024	N	Sampling not required as part of permit monitoring																																				
B-930L	7/23/2024	N	7.27	103	10.3	<0.1	<10	1.5	<0.5	<0.5			<0.05	0.017	<2	<0.25																							
B-931U	11/7/2023	N	6.95	84	9.2	<0.1	<10	1.7	<0.5	<0.5	<0.0005		<0.05	<0.005	<2	<0.25																							
B-931U	4/15/2024	N	6.98	84	8	<0.1	<10	1.6	<0.5	<0.5	<0.0005		<0.05	0.006	<2	<0.25																							
B-931U	7/23/2024	N	7.48	85	12.4	<0.1	<10	1.5	<0.5	<0.5			<0.05	<0.005			<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06			✓								
B-931L	11/7/2023	N	Sampling not required as part of permit monitoring																																				
B-931L	4/15/2024	N	Sampling not required as part of permit monitoring																																				
B-931L	7/23/2024	N	7.32	88	11.9	<0.1	<10	1.6	<0.5	<0.5			<0.05	0.012	<2	<0.25																							
B-927M : *Well with a history of low-level DCDFM detections located proximate to the GMZ; previous results are consistent with residual impacts from the former unlined landfill/landfill infrastructure and historical results from decommissioned predecessor well B-921M.*																																						
B-927M	11/6/2023	N	6.93	135	16.6	<0.1	73	3.8	<0.5	<0.5			*2.5*	*0.2*	8.9	<0.25														✓	✓		✓		✓					Refer to Nov. 2023 report for discussion of spec. cond.
B-927M	4/15/2024	N	7.07	150	15.2	<0.1	44	3.8	<0.5	0.53			*4.3*	*0.28*	14	<0.25														✓	✓		✓		✓					
B-927M	7/22/2024	N	6.67	170	19.1	<0.1	41	4.2	<0.5	<0.5			*3*	*0.2*			<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67			✓	✓		✓		✓					
B-918M: *Well located outside the GMZ north of the Stage I Landfill with a history of low-level PFAS and 1,4-dioxane detections. Results are consistent with residual impacts from the August 2006 leachate forcemain break, subsequently addressed as part of the Stage I Phase I Landfill Capping System Repair Project, completed in September 2009.*																																						
B-918M	11/6/2023	N	6.72	167	9.7	<0.1	<10	14	0.98	<0.5			<0.05	0.0059	<2	<0.25	<6.31	<3.15	3.38	2.49	6.06	<1.58	<1.4	<1.48	1.51	2.1	<5.98						✓							Refer to Nov. 2023 report for discussion of PFAS.
B-918M	1/2/2024	N	6.7	194	9.3	<0.1	<10	13	0.92	<0.5			<0.05	<0.005	<2	<0.25	<6.44	<3.22	3.19	2.2	5.13	<1.61	<1.43	<1.51	<1.47	1.8	<6.11						✓							Refer to Jan. 2024 report for discussion of PFAS.
B-918M	4/16/2024	N	*6.37*	144	11.4	<0.1	<10	13	1.2	<0.5			<0.05	<0.005	<2	<0.25	<6.3	<3.15	2.31	1.85	3.9	<1.58	<1.4	<1.48	<1.44	<1.47	<5.98						✓							Refer to Apr. 2024 report for discussion of PFAS.
B-918M	7/22/2024	N	7.31	171	11.8	<0.1	<10	12	1	<0.5			<0.05	<0.005	<2	<0.25	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95						✓							
B-918M	7/22/2024	FD															<1.97	<1.97	<1.97	<1.97	2.21	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97												Refer to 2024 Annual report for discussion of PFAS.
MW-701/B-915U/B-915M: *Well located outside the GMZ proximate to the Stage I Landfill with a history of low-level PFAS detections related to historical leachate infrastructure operations corrected as part of the Leachate Management Improvement Project (LMIP), completed in May 2009. Stage I leachate infrastructure was later re-constructed as part of Stage V construction 2014-15.*																																						
MW-701	11/6/2023	N	*6.46*	202	9.5	<0.1	<10	8.1	1.7	<0.5			<0.05	*0.22*	<2	<0.25	6.99	9.14	11.7	2.19	4.35	<1.61	4.29	<1.51	<1.47	3.65	<6.12				✓	✓								Refer to Nov. 2023 report for discussion of PFAS.
MW-701	1/2/2024	N	6.5	248	7.4	<0.1	<10	6.6	1.8	<0.5			<0.05	*0.13*	<2	<0.25	<6.43	10.9	13.4	2.96	5.24	<1.61	2.41	<1.51	<1.47	1.87	<6.09				✓	✓								Refer to Jan. 2024 report for discussion of PFAS.
MW-701	4/16/2024	N	6.6	146	6.2	<0.1	<10	6.1	1.3	<0.5			<0.05	*0.11*	<2	<0.25	<64	<32	<16	<16	<20	<16	<14.2	<15	<14.6	<14.9	<60.7				✓	✓								Refer to Apr. 2024 report for discussion of PFAS.
MW-701	7/23/2024	N	6.5	184	10.4	<0.1	<10	5.7	<0.5	<0.5			<0.05	***0.31***	<2	<0.25	3.97	4.85	5.98	2.38	5.83	<1.94	<1.94	<1.94	<1.94	5.39	<1.94				✓	✓								Refer to 2024 Annual report for discussion of PFAS.
B-915U	11/6/2023	N	6.7	131	9.2	<0.1	<10	5	<0.5	<0.5			<0.05	<0.005	<2	<0.25															✓								
B-915U	4/16/2024	N	6.56	140	9.1	<0.1	<10	5.6	<0.5	<0.5			<0.05	<0.005	<2	<0.25															✓								
B-915U	7/23/2024	N	*6.3*	163	9.9	<0.1	<10	7	<0.5	<0.5			<0.05	<0.005			16.8	30	29.6	6.47	10.3	<2.02	17.3	<2.02	<2.02	<2.02	<2.02				✓								Refer to 2024 Annual report for discussion of PFAS.
B-915M	11/6/2023	N	*6.31*	319	7.9	<0.1	<10	57	0.57	<0.5			<0.05	<0.005	<2	<0.25																✓							
B-915M	4/16/2024	N	*6.18*	257	8.1	<0.1	<10	52	0.59	<0.5			<0.05	<0.005	<2	<0.25												✓				✓							
B-915M	7/23/2024	N	6.53	287	10	<0.1	<10	46	<0.5	<0.5			<0.05	<0.005			4.22	4.28	4.69	<2.04	4.2	<2.04	2.5	<2.04	<2.04	<2.04	<2.04						✓							Refer to 2024 Annual report for discussion of PFAS.
Release Detection Wells Inside the GMZ – Impacts Anticipated from Former Unlined Landfill																																						
B-919D	11/6/2023	N	Sampling not required as part of permit monitoring																																				
B-919D	4/15/2024	N	Sampling not required as part of permit monitoring																																				
B-919D	7/22/2024	N	7	92	15.3	<0.1	<10	2.4	<0.5	<0.5			0.15	0.03	<2	<0.25														✓			✓						
B-928U	11/6/2023	N	*6.43*	157	9.5	<0.1	<10	9.7	0.82	<0.5			<0.05	<0.005	<2	<0.25	7.84	8.95	11.5	7.18	**15.3**	<1.66	7.84	<1.56	<1.51	<1.54	<6.29					✓					✓			Refer to Nov. 2023 report for discussion of PFAS.
B-928U	4/15/2024	N	6.51	159	9.8	<0.1	<10	11	1.1	<0.5			<0.05	<0.005	<2	<0.25	<64	<32	<16	<16	<20	<16	<14.2	<15	<14.6	<14.9	<60.7					✓					✓			Refer to Apr. 2024 report for discussion of PFAS.
B-928U	7/22/2024	N	*5.8*	156	11.9	<0.1	<10	9.9	0.87	<0.5	<0.0005	<0.001	<0.05	<0.005	<2	<0.25	7.23	6.35	9.01	5.97	11.9	<2.01	5.73	<2.01	<2.01	<2.01	<2.01	✓				✓					✓			Refer to 2024 Annual report for discussion of PFAS.
B-928D	11/6/2023	N	6.58	206	9.6	<0.1	<10	14	1	<0.5			<0.05	<0.005	<2	<0.25	<2130	<1070	<533	<533	<667	<533	<473	<500	<487	<497	<2020					✓								Refer to Nov. 2023 report for discussion of PFAS.
B-928D	12/15/2023	N	7.15	202	9.9												8.51	6.81	9.59	5.74	9.96	<1.86	7.19	<1.86	<1.86	<1.86	<1.86					✓								Refer to Dec. 2023 report for discussion of PFAS.
B-928D	4/15/2024	N	6.71	178	9.8	<0.1	<10	12	1.1	<0.5			<0.05	<0.005	<2	<0.25	<128	<64	<32	<32	<40	<32	<28.4	<30	<29.2	<29.8	<121					✓								Refer to Apr. 2024 report for discussion of PFAS.
B-928D	7/22/2024	N	*6.34*	190	13.2	<0.1	<10	11	0.91	<0.5	<0.0005	<0.001	<0.05	<0.005	<2	<0.25	6.61	4.84	8.02	5.07	9.58	<1.88	5.27	<1.88	<1.88	<1.88	<1.88			✓		✓								Refer to 2024 Annual report for discussion of PFAS.

TABLE 1
Evaluation of Background Exceedances – Groundwater Samples – April 2024
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	SU	uS/cm	C	mg/L										ug/L		ng/L										Inferred Context for Background Exceedance											Comments
																												1	2	3	4	5	6	7	8	9	10	11	
			pH	Specific Conductance	Temperature	Bromide	Chemical Oxygen Demand (COD)	Chloride	Nitrate	Total Kjeldahl Nitrogen (TKN)	Arsenic, Dissolved	Chromium, Dissolved	Iron, Dissolved	Manganese, Dissolved	Dichlorodifluoromethane (CFC12)	Dioxane (1,4-)	Perfluorobutanoic Acid (PFBA) [3]	Perfluoropentanoic Acid (PFPeA) [4]	Perfluorohexanoic Acid (PFHxA) [5]	Perfluoroheptanoic Acid (PFHpA) [6]	Perfluorooctanoic Acid (PFOA) [7]	Perfluorononanoic Acid (PFNA) [8]	Perfluorobutanesulfonic Acid (PFBS) [4S]	Perfluoropentanesulfonic Acid (PFPeS) [5S]	Perfluorohexanesulfonic acid (PFHxS) [6S]	Perfluorooctanesulfonic Acid (PFOS) [8S]	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	pH below background downgradient of/adjacent to lined landfill; pH generally 5.6 to 6.2 s.u.	pH elevated due to grout used in monitoring well construction; grout may also result in elevated specific conductance.	Temperature above background inferred to be related to location of well downgradient of/adjacent to lined landfill area; or temperature below background (indicated with "<BG", typically during colder months).	Periodically or consistently elevated concentrations of metals (typically, but not limited to naturally-occurring arsenic, manganese, iron) consistent with residual water quality effects related to the former unlined landfill, principally chemically-reducing conditions.	Periodically or consistently elevated chloride (and sometimes also specific conductance) primarily at shallow locations near or downgradient of roadways inferred to be in part or in whole related to road salting/vehicle traffic and associated soil disturbance. Deeper intervals may also indicate elevated chloride concentrations within the GMZ.	Periodically or consistently elevated chloride (and sometimes also specific conductance) at intermediate and deep wells outside the GMZ, and generally northwest of the landfill. These intermediate and deep wells sporadically indicate the presence of anthropogenic influence (e.g., sporadic detection of VOCs presumed to be related to earthwork associated with previous phases of landfill development), and are inferred to be completed in groundwater intervals representative of longer flow paths/travel times. As such, results from these monitoring wells are inferred to be representative of historical conditions which may no longer exist at the site.	Periodically or frequently detected COD consistent with residual water quality effects related to the former unlined landfill.	Periodically or frequently detected TKN consistent with residual water quality effects related to the former unlined landfill.	Shallow or intermediate well with sporadic nitrate detection; inferred to be related to hydroseeding, vegetation clearing, soil disturbance, or other site operations.	History of low-level PFAS inside the GMZ related to the presence of the former unlined landfill.	Low-level detections of extended metals list analytes (primarily barium and chromium) at locations adjacent to/downgradient of lined landfill areas; inferred to be related to naturally-occurring metals in soil with concentrations possibly increased by mineral weathering related to earthwork associated with previous phases of landfill development.	
GW-1 (AGQS)									10		0.005	0.1		0.3	1000	0.32					12	11			18	15													
SMCL			6.5-8.5					250					0.3	0.05																									
Background 2023-11			6.3-8.2	125	5.3-11.7	0.1, 0.4 §	15	1.8	3	0.92	0.00051	0.0017	0.41	0.046	<2	<0.25	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0													
Background 2024-04			6.3-8.1	125	5.4-11.7	0.1, 0.4 §	15	1.8	3.2	0.92	0.00051	0.0017	0.41	0.046	<2	<0.25	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0													
Background 2024-07			6.3-8.7	125	5.6-11.9	0.1, 0.4 §	15	1.8	3.2	0.58	0.00051	0.0017	0.41	0.072	<2	<0.25	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5													
MW-801/MW-802/MW-803/B-919U/B-919M: *Well located in the GMZ downgradient of the former unlined landfill with a history of sporadic low-level VOC detections. Low-level PFAS has also been detected at one or more locations. Results are consistent with residual impacts from the former unlined landfill.*																																							
MW-802	11/7/2023	N	*6.3*	347	16.5	0.13	22	27	<0.5	<0.5	**0.02**		*15*	***2.5***	<2	<0.25														✓	✓	✓								
MW-802	4/16/2024	N	*6.22*	273	15.8	<0.1	13	15	<0.5	<0.5	**0.016**		*8.8*	***2.8***	<2	<0.25														✓	✓	✓								
MW-802	7/23/2024	N	*6.09*	340	19	0.14	<10	23	<0.5	<0.5			*9.5*	***4.1***			8.42	17.8	20.1	12	**24.2**	<2.02	5.01	<2.02	3.82	<2.02	<2.02	✓		✓	✓	✓								Refer to 2024 Annual report for discussion of PFAS.
MW-803	11/7/2023	N	*6.38*	472	17.2	0.17	96	12	<0.5	2.6	**0.067**		*62*	***8.1***	<2	<0.25														✓	✓	✓		✓	✓					
MW-803	11/7/2023	FD				0.17	99	12	<0.5	2.7	**0.07**		*68*	***9.2***	<2	<0.25															✓	✓		✓	✓					
MW-803	4/16/2024	N	*6.24*	527	16.9	0.24	97	43	<0.5	2.9	**0.06**		*54*	***7.1***	<2	<0.25														✓	✓	✓		✓	✓					
MW-803	4/16/2024	FD				0.23	95	43	<0.5	2.8	**0.061**		*54*	***7.2***	<2	<0.25															✓	✓		✓	✓					
MW-803	7/23/2024	N	*6.24*	439	19.7	0.18	67	13	<0.5	2.2			*51*	***5.7***			10	15.4	21.5	25.7	**64**	<1.98	4.66	<1.98	8.77	<1.98	<1.98	✓		✓	✓	✓		✓	✓					Refer to 2024 Annual report for discussion of PFAS.
MW-803	7/23/2024	FD				0.17	69	14	<0.5	2.2			*51*	***5.6***																	✓	✓		✓	✓					
B-919U	11/6/2023	N	*6.22*	103	9.9	<0.1	<10	3.2	0.51	<0.5	<0.0005		<0.05	<0.005	<2	<0.25												✓			✓								
B-919U	4/15/2024	N	6.85	128	10.3	<0.1	<10	2.8	<0.5	<0.5	<0.0005		<0.05	<0.005	<2	<0.25															✓								
B-919U	7/22/2024	N	*6.49*	99	14.7	<0.1	<10	2.9	<0.5	<0.5			<0.05	<0.005			8.7	5.74	8.31	6.61	**32.3**	3.47	9.56	<1.93	<1.93	<1.93	<1.93			✓		✓								Refer to 2024 Annual report for discussion of PFAS.
B-919M	11/6/2023	N	6.8	139	15.1	<0.1	<10	2.7	<0.5	<0.5	**0.043**		*7*	***3.1***	<2	<0.25														✓	✓	✓								
B-919M	4/15/2024	N	6.76	146	14.8	<0.1	<10	2.2	<0.5	<0.5	**0.051**		*9*	***3.9***	<2	<0.25														✓	✓	✓								
B-919M	7/22/2024	N	6.99	181	18.3	<0.1	<10	2.5	<0.5	<0.5			0.071	***1.9***			<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97			✓	✓	✓								
B-304UR/B-304DR: *Wells located in the GMZ downgradient of the former unlined landfill with a history of periodic low-level 1,4-dioxane detections and periodic elevated (above GMZ background) bromide and chloride detections; Results are consistent with residual water quality effects related to the former unlined landfill and earthwork that was performed upgradient of these wells in summer 2019 to remove old, unused landfill infrastructure.*																																							
B-304UR	11/6/2023	N	6.79	346	10.6	<0.1	<10	24	3.1	<0.5			<0.05	<0.005	<2	<0.25	38.8	36.5	62	18.9	**20.9**	<2.86	42.2	<2.68	<2.61	<2.66	<10.8					✓				✓	✓			Refer to Nov. 2023 report for discussion of PFAS.
B-304UR	4/15/2024	N	6.71	198	11.3	<0.1	<10	13	0.96	<0.5			<0.05	<0.005	<2	<0.25	9.27	11.6	16.8	10.6	**32.4**	<1.65	10.7	<1.55	3.61	<1.54	<6.26					✓								Refer to Apr. 2024 report for discussion of PFAS.
B-304UR	7/22/2024	N	6.67	347	14.8	<0.1	<10	24	8.7	0.56			<0.05	<0.005		<0.25	82.5	43.1	53.3	91.7	**14.7**	<1.94	39.2	4.15	**22.8**	<1.94	2.78			✓		✓				✓				Refer to 2024 Annual report for discussion of PFAS.
B-304DR	11/6/2023	N	*6.44*	302	13.7	<0.1	<10	30	0.7	<0.5			<0.05	***1.7***	<2	0.27	<640	<320	<160	<160	<200	<160	<142	<150	<146	<149	<607			✓	✓	✓								Refer to Nov. 2023 report for discussion of PFAS.
B-304DR	11/6/2023	FD				<0.1	<10	30	0.61	<0.5			<0.05	***1.8***	<2	0.28															✓	✓							
B-304DR	12/15/2023	N	6.7	298	12.8												10.1	13.5	14.4	11.4	**77.6**	1.93	5.78	<1.75	13.3	<1.75	3.83			✓		✓								Refer to Dec. 2023 report for discussion of PFAS.
B-304DR	4/15/2024	N	6.76	253	13.3	<0.1	<10	20	<0.5	<0.5			<0.05	***1.8***	<2	<0.25	<128	<64	<32	<32	**116**	<32	<28.4	<30	<29.2	<29.8	<121			✓	✓	✓								Refer to Apr. 2024 report for discussion of PFAS.
B-304DR	4/15/2024	FD				<0.1	<10	20	<0.5	<0.5			<0.05	***1.8***	<2	<0.25															✓	✓							
B-304DR	7/22/2024	N	*6.48*	231	15.6	<0.1	<10	18	<0.5	<0.5			0.051	***1.7***		<0.25	6.83	9.03	9.27	6.42	**64.1**	2.45	3.17	<1.76	7.8	<1.76	3.24			✓	✓	✓								Refer to 2024 Annual report for discussion of PFAS.
Groundwater Management Wells Inside the GMZ – Impacts Anticipated from Former Unlined Landfill																																							
B-103S	11/8/2023	N	7.71	155	10.1	<0.1	<10	6.4	<0.5	<0.5			*10*	***2.6***	<2	<0.25															✓	✓							
B-103S	4/15/2024	N	6.76	165	10.6	<0.1	<10	4.3	<0.5	<0.5			*13*	***2.4***	<2	<0.25	<64	<32	<16	<16	<20	<16	<14.2	<15	<14.6	<14.9	<60.7					✓	✓						
B-103S	7/23/2024	N	*6.49*	277	14.8	0.17	<10	18	<0.5	<0.5	**0.026**	<0.001	*22*	***3.8***	<2	0.28	12.7	6.55	5.93	<2	<2	<2	13.3	<2	<2	<2	<2			✓	✓	✓								Refer to 2024 Annual report for discussion of 1,4-dioxane & PFAS.
B-103S	7/23/2024	FD				0.15	<10	19	<0.5	<0.5	**0.027**	<0.001	*23*	***3.9***	<2	<0.25															✓	✓							
B-103D	11/8/2023	N	7.22	96	10.5	<0.1	<10	2.2	<0.5	<0.5			*2.2*	***0.67***	<2	<0.25															✓	✓							
B-103D	4/15/2024	N	6.83	100	11.7	<0.1	<10	1.9	<0.5	<0.5			*4.6*	***1.2***	<2	<0.25	<64	<32	<16	<16	<20	<16	<14.2	<15	<14.6	<14.9	<60.7					✓	✓						
B-103D	7/23/2024	N	6.72	102	15.6	<0.1	<10	2.6	<0.5	<0.5	**0.037**	<0.001	*4.5*	***1.2***	<2	<0.25	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9			✓	✓	✓								
MW-604	11/6/2023	N	6.92	236	12.3												<88.9	<44.4	<22.2	<22.2	<27.8	<22.2	<19.7	<20.8	<20.3	<20.7	<84.3			✓		✓								Refer to Nov. 2023 report for discussion of PFAS.
MW-604	12/15/2023	N	7.39	236	10.2												2.94	3.35	4.24	3.61	**13.7**	<1.93	3.02	<1.93	<1.93	<1.93	<1.93					✓								Refer to Dec. 2023 report for discussion of PFAS.
MW-604	4/15/2024	N	7.08	190	12.1												<64	<32	<16	<16	<20	<16	<14.2	<15	<14.6	<14.9	<60.7			✓		✓								Refer to Apr. 2024 report for discussion of PFAS.
MW-604	7/22/2024	N	6.88	207	16.8	<0.1	<10	8.9	<0.5	<0.5			<0.05	<0.005	<2	<0.25	2.92	3.33	4.1	3.55	**16**	<1.96	4.77	<1.96	<1.96	2.37	<1.96			✓		✓								Refer to 2024 Annual Report for discussion of PFAS.

TABLE 1
Evaluation of Background Exceedances – Groundwater Samples – April 2024
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	SU	uS/cm	C	mg/L										ug/L		ng/L										Inferred Context for Background Exceedance											Comments
																												1	2	3	4	5	6	7	8	9	10	11	
			pH	Specific Conductance	Temperature	Bromide	Chemical Oxygen Demand (COD)	Chloride	Nitrate	Total Kjeldahl Nitrogen (TKN)	Arsenic, Dissolved	Chromium, Dissolved	Iron, Dissolved	Manganese, Dissolved	Dichlorodifluoromethane (CFC12)	Dioxane (1,4-)	Perfluorobutanoic Acid (PFBA) [3]	Perfluoropentanoic Acid (PFPeA) [4]	Perfluorohexanoic Acid (PFHxA) [5]	Perfluoroheptanoic Acid (PFHpA) [6]	Perfluorooctanoic Acid (PFOA) [7]	Perfluorononanoic Acid (PFNA) [8]	Perfluorobutanesulfonic Acid (PFBS) [4S]	Perfluoropentanesulfonic Acid (PFPeS) [5S]	Perfluorohexanesulfonic acid (PFHxS) [6S]	Perfluorooctanesulfonic Acid (PFOS) [8S]	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	pH below background downgradient of/adjacent to lined landfill; pH generally 5.6 to 6.2 s.u.	pH elevated due to grout used in monitoring well construction; grout may also result in elevated specific conductance.	Temperature above background inferred to be related to location of well downgradient of/adjacent to lined landfill area; or temperature below background (indicated with "-BG" , typically during colder months).	Periodically or consistently elevated concentrations of metals (typically, but not limited to naturally-occurring arsenic, manganese, iron) consistent with residual water quality effects related to the former unlined landfill, principally chemically-reducing conditions.	Periodically or consistently elevated chloride (and sometimes also specific conductance) primarily at shallow locations near or downgradient of roadways inferred to be in part or in whole related to road salting/vehicle traffic and associated soil disturbance. Deeper intervals may also indicate elevated chloride concentrations within the GMZ.	Periodically or consistently elevated chloride (and sometimes also specific conductance) at intermediate and deep wells outside the GMZ, and generally northwest of the landfill. These intermediate and deep wells sporadically indicate the presence of anthropogenic influence (e.g., sporadic detection of VOCs presumed to be related to earthwork associated with previous phases of landfill development), and are inferred to be completed in groundwater intervals representative of longer flow paths/travel times. As such, results from these monitoring wells are inferred to be representative of historical conditions which may no longer exist at the site.	Periodically or frequently detected COD consistent with residual water quality effects related to the former unlined landfill.	Periodically or frequently detected TKN consistent with residual water quality effects related to the former unlined landfill.	Shallow or intermediate well with sporadic nitrate detection; inferred to be related to hydroseeding, vegetation clearing, soil disturbance, or other site operations.	History of low-level PFAS inside the GMZ related to the presence of the former unlined landfill.	Low-level detections of extended metals list analytes (primarily barium and chromium) at locations adjacent to/downgradient of lined landfill areas; inferred to be related to naturally-occurring metals in soil with concentrations possibly increased by mineral weathering related to earthwork associated with previous phases of landfill development.	
GW-1 (AGQS)									10		0.005	0.1		0.3	1000	0.32					12	11			18	15												
SMCL			6.5-8.5					250					0.3	0.05																								
Background 2023-11			6.3-8.2	125	5.3-11.7	0.1, 0.4 §	15	1.8	3	0.92	0.00051	0.0017	0.41	0.046	<2	<0.25	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0												
Background 2024-04			6.3-8.1	125	5.4-11.7	0.1, 0.4 §	15	1.8	3.2	0.92	0.00051	0.0017	0.41	0.046	<2	<0.25	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0	<4.0-<5.0												
Background 2024-07			6.3-8.7	125	5.6-11.9	0.1, 0.4 §	15	1.8	3.2	0.58	0.00051	0.0017	0.41	0.072	<2	<0.25	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5												
Supplemental Site Investigation																																							
B-932U	7/22/2024	N	6.72	87	12.2	<0.1	<10	6	<0.5	<0.5	<0.0005	<0.001	<0.05	*0.081*	<2	<0.25	<1.99	<1.99	<1.99	2.27	5.3	<1.99	2.98	<1.99	<1.99	2.3	<1.99			✓		✓								Refer to 2024 Annual Report for discussion of new exceedances.
B-932L	7/22/2024	N	7.54	157	12.3	<0.1	<10	3.5	<0.5	<0.5	0.0015	0.0014	<0.05	0.019	<2	<0.25	<1.95	1.98	2.46	<1.95	2.48	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95			✓		✓								Refer to 2024 Annual Report for discussion of new exceedances.

Notes:
1. Samples were collected by Sanborn Head on the dates indicated. Samples were analyzed by Eastern Analytical, Inc. (EAI) of Concord, New Hampshire.

2. Only detected analytes which exceed background in one or more sample in the current rounds are presented herein. Blank cells for an analyte indicate not analyzed. Refer to the analytical laboratory reports for the complete list of parameters analyzed. Results are compared to their respective background values from time of sampling.

3. pH is presented in standard units (s.u.), specific conductance is presented in microSiemens per centimeter (µS/cm), and temperature is presented in degrees Celsius (C). Indicator parameter and metals results are presented in milligrams per liter (mg/L) which is equivalent to parts per million. Volatile organic compound (VOC) results are presented in micrograms per liter (µg/L) which is equivalent to parts per billion (ppb). Per- and polyfluoroalkyl substances (PFAS) results are presented in nanograms per liter (ng/L) which is equivalent to parts per trillion (ppt).

4. "§" indicates background value for bromide is 0.4 mg/L for wells within the groundwater management zone (GMZ) established for the site, and 0.1 mg/L for wells outside the GMZ.
"<" indicates the analyte was not detected above the listed laboratory reporting limit.
Blank cells indicate the sample was not analyzed for that analyte.
[3] = number of carbons in the alkyl chain for perfluorinated carboxylic acids (PFCAs). The carbon included in the carboxylic functional group is non-fluorinated and the remaining carbons (i.e., alkyl chain) are fluorinated.
[4S] = number of carbons in the alkyl chain for perfluorinated sulfonic acids (PFSAs). All of the carbons are fluorinated.

5. "GW-1" Groundwater Standards are from the New Hampshire Department of Environmental Services (NHDES) Contaminated Sites Risk Characterization and Management Policy (RCMP) (January 1998, with 2000 through 2018 revisions/addenda). GW-1 Groundwater Standards are intended to be equivalent to the AGQSs promulgated in Env-Or 600 (June 2015 with October 2016, September 2018, September 2019, May 2020, January 2021, and July 2021 amendments). For analytes where GW-1 and AGQS values differ, the values presented in this table reflect the AGQSs in the latest Env-Or 600 update. The AGQS/GW-1 Groundwater Standards are intended to be protective of groundwater as a source of drinking water.

"SMCL" refers to the USEPA Secondary Maximum Contaminant Levels as presented in the National Primary Drinking Water Standards (May 2009). The SMCLs are established as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These analytes are not considered to present a risk to human health at the SMCL.

6. Bold values exceed the GW-1/AGQS.
Italic values exceed the SMCL.
Green shading indicates a concentration exceeds current background.
Yellow shading indicates a concentration exceeds background for the first time.

7. Refer to the report text for further information about calculation and selection of background concentrations.

Figures

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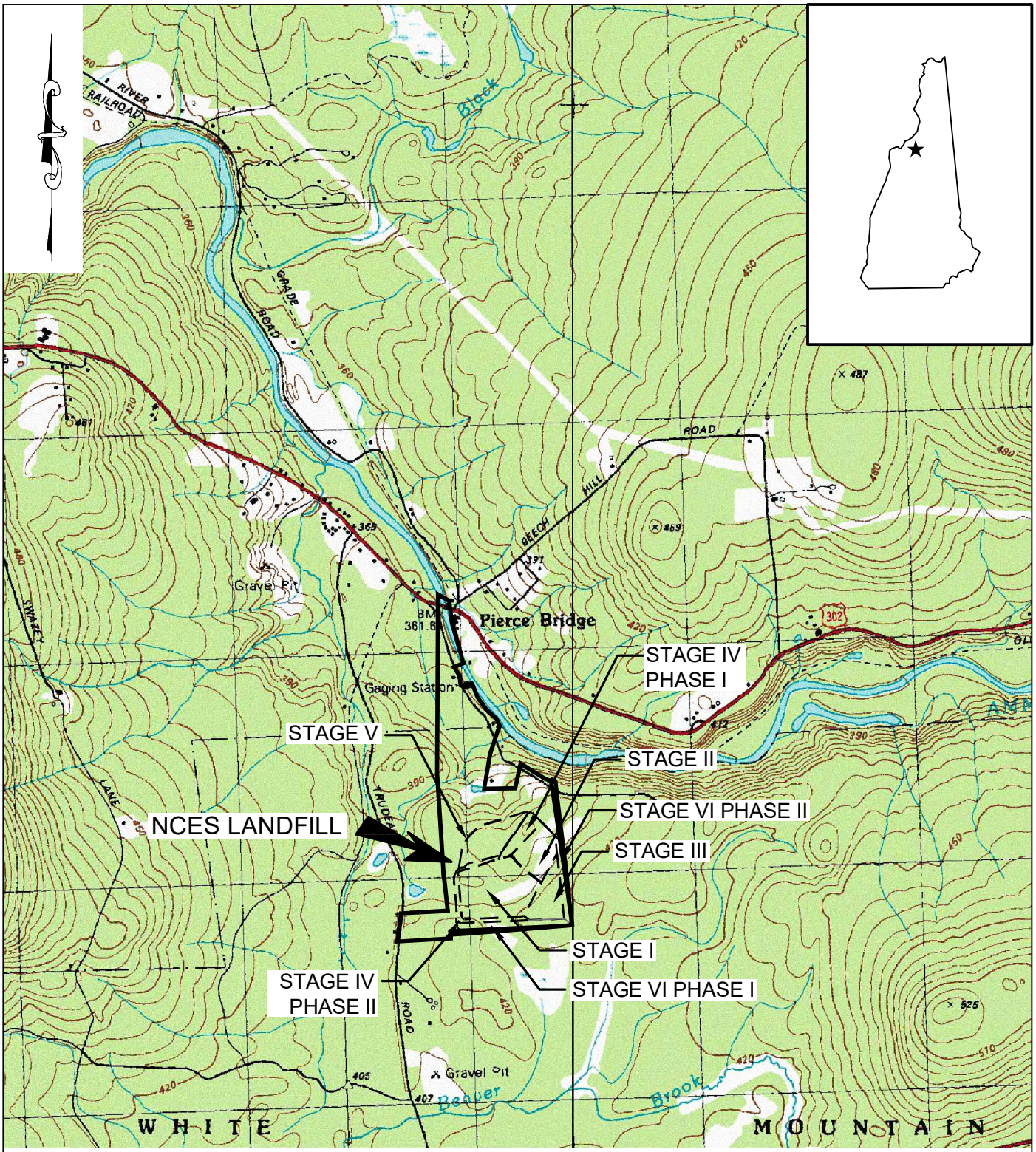

NOTES:

BASE MAP TAKEN FROM 7.5 MINUTE
USGS QUADRANGLE MAP:
BETHLEHEM, NEW HAMPSHIRE

NORTH COUNTRY ENVIRONMENTAL SERVICES INC. BETHLEHEM, NEW HAMPSHIRE	ANNUAL GROUNDWATER MONITORING REPORT LOCUS PLAN		
SANBORN HEAD	SCALE: 1"=2000'	DRAWN BY: EMW	FILE NO. 2637.11
	DATE: AUG 2024	CHECKED BY: TMW	FIGURE NO. 1

IMAGES: S:\CAD Library\Shared\GIS\New Hampshire\Quads\Mr. Sids 8-19-04\drg044.sid
S:\CAD Library\Shared\GIS\New Hampshire\Quads\Mr. Sids 8-19-04\drg045.sid

FILE: P:\2600s\2637.11\Graphics Files\CAD\GW Mon Rpt July2024\AnnGW_Rpt_2024_Locus.dwg
LAYOUT: Black Logo
CTB FILE: SHA Standard.ctb
PLOT DATE: 8-20-24

File:P:\2600s\2637.11\Graphics Files\CAD\GW Mon Rpt July2024\GW_Mon_FigsJuly24.dwg Plot Date: 8-22-24

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NOTES:

1. THE AERIAL IMAGERY OUTSIDE THE LANDFILL LIMIT OF WASTE WAS OBTAINED FROM GOOGLE EARTH DATED OCTOBER 2022. AERIAL IMAGE INSIDE THE LANDFILL LIMIT OF WASTE WAS TAKEN ON JUNE 13, 2024 AND PROVIDED BY CMA.

2. TOPOGRAPHY INSIDE THE ACTIVE AREA WAS OBTAINED FROM AN JULY 2024 SURVEY.

3. THE LIMITS OF THE GMZ ARE BASED ON AN OCTOBER 2017 PLAN PREPARED BY HORIZONS ENGINEERING, INC. ENTITLED "GROUND WATER MANAGEMENT ZONE PLAN FOR LANDS OF NORTH COUNTRY ENVIRONMENTAL SERVICES, INC. AND FOREST ACQUISITIONS, INC."

LEGEND:

- FACILITY MONITORING WELL
- SURFACE WATER SAMPLING LOCATION
- U/S — INDICATES UPPER/SHALLOW WELL
- M — INDICATES SCREEN AT MIDDLE INTERVAL BETWEEN UPPER AND LOWER SCREENS
- D/L — INDICATES DEEP/LOWER WELL
- R — INDICATES REPLACEMENT WELL
- PIEZOMETER
- STAFF GAUGE
- RIP-RAP STONE
- LIMIT OF WETLAND DELINEATION
- GROUNDWATER MANAGEMENT ZONE
- TOWN OF BETHLEHEM ZONING LINE
- PROPERTY LINE

AR-3
TIE COURSE S 70°46'29" E 844.45'
AMMONOOSUC RIVER
AR-2
AR-1
SF-1
S-109
S-108
S-101
S-1 (MAIN SEEP)
MUCHMORE ROAD
B-928U
B-928D
OUTFALL 2
B-304UR
B-304DR
MW-604
B932L
B932U
LAUREL LANE
LIMIT OF WETLANDS DELINEATED BY B.H. KEITH ASSOCIATES IN APRIL 1999
PZ-A
SG-POND4
STORMWATER POND 4
PZ-B
B-919M
B-919U
B-919D
B-927M
B-927U
B-927L
B-909
B-917D
B-917U
OUTFALL 1
B-918D
B-918U
B-918M
B-916M
B-916U
B-916D
MW-803
MW-802
STAGE IV
PHASE I
B-103S
B-103D
TOWN DISTRICT II
TOWN DISTRICT V
STORMWATER POND 5
B-915M
B-915U
B-915D
STAGE V
PHASE I
PHASE II
PHASE II
B-931L
B-931U
B-926L
B-926U
STORMWWATER POND 6
STAGE II
PHASE I
MW-701
APPROXIMATE EXTENT OF FORMER UNLINED LANDFILL
B-930U
B-930L
STAGE I
PHASE I
STAGE III
PHASE III
PHASE II
STAGE IV
PHASE II
PHASE IV
B-929U
B-929L
STAGE VI
B-925U
B-925L
B-924L
B-924U
B-923U

SANBORN HEAD

GRAPHICAL SCALE
100' 50' 0 100' 200'

DRAWN BY:	E. WRIGHT
DESIGNED BY:	G. PANIK
REVIEWED BY:	T. WHITE
PROJECT MGR:	M. ESTABROOKS
PIC:	T. WHITE
DATE:	AUGUST 2024

NORTH COUNTRY ENVIRONMENTAL SERVICES, INC.
BETHLEHEM, NEW HAMPSHIRE

PROJECT NUMBER: 2637.11

EXPLORATION LOCATION PLAN

FIGURE NUMBER: 2

File:P:\2600s\2637.11\Graphics Files\CAD\GW Mon Rpt July2024\GW_Mon_FigsJuly24.dwg Plot Date: 8-20-24

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NOTES:

1. THE GROUNDWATER ELEVATION CONTOURS SHOWN ARE BASED ON GROUNDWATER LEVELS MEASURED BY SANBORN HEAD PERSONNEL IN WELLS SCREENED ACROSS/NEAR TO THE WATER TABLE ON THE DATES INDICATED. VARIATIONS IN GROUNDWATER ELEVATIONS ARE EXPECTED TO OCCUR DUE TO CHANGES IN PRECIPITATION, TEMPERATURE, AND OTHER FACTORS NOT EVIDENT AT THE TIME WATER LEVEL MEASUREMENTS WERE OBTAINED.

2. THE GROUNDWATER ELEVATION CONTOURS WERE DEVELOPED USING GENERALLY-ACCEPTED HYDROGEOLOGIC PRACTICES, AND ARE INTENDED TO DEPICT INFERRED TRENDS IN GROUNDWATER LEVELS CONSISTENT WITH THE AVAILABLE INFORMATION. ACTUAL CONDITIONS MAY VARY FROM THOSE SHOWN AND OTHER INTERPRETATIONS ARE POSSIBLE.

3. ITALICIZED SURFACE WATER ELEVATIONS REPRESENT APPROXIMATE VALUES BASED ON SURVEY MEASUREMENTS IN DECEMBER 2023.

4. REFER TO FIGURE NO. 2 FOR ADDITIONAL NOTES.

LEGEND:

- GROUNDWATER MANAGEMENT ZONE
- 1304.3 — GROUNDWATER ELEVATION RECORDED AT WELL LOCATION ON JULY 22-24, 2024
- *1231.1* — APPROXIMATE SURFACE WATER ELEVATION
- 1305 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE LESS CONSTRAINED)

MAGNETIC

AR-3 *1193.9*
TIE COURSE S 70°46'29" E 844.45'
FROM
AMMONOOSUC RIVER
S-109 *1231.1*
AR-2 *1199.2*
AR-1 *1200.0*
S-108 *1245.1*
SF-1 *1204.4*
MUCHMORE ROAD
S-101 *1274.6*
B-928U 1289.0
B-928D
S-1 (MAIN SEEP) *1284.9*
OUTFALL 2
B932L
B932U 1277.1
LAUREL LANE
B-304UR 1290.9
B-304DR
MW-604 1280.0
1280
1285
1295
1300
PZ-A 1299.7
SG-POND4
LIMIT OF WETLANDS DELINEATED BY B.H. KEITH ASSOCIATES IN APRIL 1999
1290
STORMWATER POND 4
PZ-B 1304.6
B-919M
B-919U 1305.9
B-919D
B-927M
B-927U 1303.7
B-927L
1294.8
B-909
B-917D
OUTFALL 1
1305
1310
B-917U 1296.4
1300
1295
B-918D
B-918U 1305.8
B-916M
B-916U 1313.2
B-916D
B-918M
MW-803 1305.8
MW-802 1305.6
1315
TOWN DISTRICT II
TOWN DISTRICT V
STAGE IV
PHASE I
B-103S 1306.2
B-103D
STORMWATER POND 5
B-915M
B-915U 1315.4
B-915D
STAGE V
PHASE I
1305
PHASE II
PHASE II
B-931L
B-931U 1308.2
1310
B-926L
B-926U 1308.8
STORMWWATER POND 6
STAGE II
PHASE I
1315
1320
APPROXIMATE EXTENT OF FORMER UNLINED LANDFILL
1325
1330
1335
MW-701 1317.6
B-930U 1337.0
B-930L
STAGE I
PHASE I
STAGE III
PHASE III
PHASE II
STAGE IV
PHASE II
PHASE IV
B-929U 1337.0
B-929L
STAGE VI
1335
1340
B-925U 1340.1
B-925L
1320.1
B-923U
B-924L
B-924U 1334.9

SANBORN HEAD

GRAPHICAL SCALE
100' 50' 0 100' 200'

DRAWN BY:	E. WRIGHT
DESIGNED BY:	G. PANIK
REVIEWED BY:	T. WHITE
PROJECT MGR:	M. ESTABROOKS
PIC:	T. WHITE
DATE:	AUGUST 2024

NORTH COUNTRY ENVIRONMENTAL SERVICES, INC.
BETHLEHEM, NEW HAMPSHIRE

GROUNDWATER ELEVATION CONTOUR PLAN (JULY 2024)

PROJECT NUMBER: 2637.11

FIGURE NUMBER: 3

Appendix A

Background Groundwater Quality Information

Appendix A.1

Summary of Background Groundwater Quality Conditions

APPENDIX A.1
SUMMARY OF BACKGROUND GROUNDWATER CONDITIONS

On behalf of North Country Environmental Services, Inc. (NCES), Sanborn, Head & Associates, Inc. (Sanborn Head) prepared an assessment of site background groundwater conditions at the NCES Landfill (Site) in Bethlehem, New Hampshire pursuant to the Site Groundwater Management and Release Detection Permit GWP-198704033-B-008 (the Permit) issued by NHDES on September 18, 2023, and the requirements of Env-Or 700.

Development of Sitewide Background Concentrations

To identify sitewide "background" groundwater conditions consistent with Env-Or 702.03, groundwater quality results from the following monitoring wells located upgradient of the landfill were reviewed:

Active Monitoring Wells
B-923U
B-924U
B-924L
B-925U
B-925L
B-929U
B-929L

As indicated on Table A.1, the period of record used for calculating background groundwater quality for this report is the past approximately five years (e.g., data collected since July 9, 2019). A period of approximately five years was selected as the timeframe for background conditions to include a broad data set of wells with varying periods of record, while also considering a relatively recent interval of time. Refer to Tables A.1 and B.2 for recent analytical data, and applicable standards for groundwater.

It is important to note that the wells selected for identification of sitewide background concentrations are located upgradient of both the lined landfill and former unlined landfill, and are intended to provide water quality information for areas unaffected by site operations. The presence of the former unlined landfill, within the GMZ, represents a residual "legacy" impact relative to redox conditions and groundwater quality. Therefore, comparison of wells within the GMZ to upgradient background conditions should be made for reference purposes only, as exceedance of upgradient background groundwater quality within the GMZ is not considered by itself to be evidence of a "release" from the lined landfill pursuant to the Env-Or 700 regulations. We also note that the presence of residual VOCs and PFAS analytes at several site monitoring wells outside the GMZ are inferred to be related to historical landfill infrastructure (e.g., leachate collection infrastructure) that has been addressed through a series of corrective actions. Refer to the February 2009 Corrective Action Plan for additional information on historical corrective actions.

Using data from upgradient monitoring wells B-923U, B-924U, B-924L, B-925U, B-925L, B-929U, and B-929L discussed above, the sitewide background concentrations were identified using four categories:

Category	Analytes
Maximum concentration in last 5 years of sampling	• Metals • Nitrate • TKN • Chloride • COD • Specific conductance
Fixed value	Bromide: • ≤0.1 mg/l for monitoring wells outside boundaries of GMZ, based on site historical information; • ≤0.4 mg/l for monitoring wells within boundaries of GMZ; based on data from 1996 and earlier.
Typical laboratory reporting limit (varies by analyte)	Analytes not typically detected in site background wells (based on typical laboratory reporting limits): • VOCs • PFAS
Typical period-of-record ranges	• pH • temperature Note: pH and temperature have natural variability, and therefore the 5th and 95th percentiles were used to bound typical ranges for these values.

Sitewide background values will be evaluated and changes recommended where appropriate for future monitoring events as new data are added and data greater than approximately five years old are removed from the background data set. Refer to Appendix A.2 for time series plots of field parameter values and chloride concentrations at sitewide background monitoring wells. In these plots, the green line indicates the average of the background values for each round. Non-detects were excluded from the calculation of the average.

Updates to Background Values – July 2024 Reporting Period

Sitewide background values for the July 2024 reporting period included updates for the following analytes:

- **pH:** The background range changed from 6.3 to 8.1 s.u. in April 2024 to 6.3 to 8.7 s.u. in July 2024.
- **Temperature**: The background range changed from 5.4 to 11.7°C in April 2024 to 5.6 to 11.9°C in July 2024.
- **Total Kjeldahl Nitrogen (TKN)**: The background value changed from 0.92 mg/L in April 2024 to 0.58 mg/L in July 2024.

- **Manganese (dissolved)**: The background value changed from 0.046 mg/L in April 2024 to 0.072 mg/L in July 2024.

Background Values and Groundwater Standards

As indicated in Table A.1, sitewide background concentrations are generally within range of applicable AGQS where available or USEPA SMCL if no AGQS is available, with the following exceptions:

- Background pH ranges from 6.3 to 8.7 s.u.; for reference, the USEPA SMCL ranges from 6.5 to 8.5 s.u., and;
- Background iron concentration is 0.41 milligrams per liter (mg/l); however, the USEPA SMCL for iron is 0.3 mg/l. There is no AGQS for iron.

The pH and iron values/concentrations at the site background monitoring wells are within expected ranges for groundwater in northern New Hampshire.

Inferred Context for Sitewide Background Groundwater Concentration Exceedances

Given the NCES Landfill has a long history of site operation, including the former unlined landfill which resulted in residual impacts to groundwater quality, comparison of water quality results from historically impacted locations to a single background value from generally upgradient locations is not necessarily a representative comparison for the purposes of release detection (as specified by the Env-Or 700 rules). For example, the generally reducing conditions in groundwater within the GMZ have resulted in a long period of record at multiple locations indicating elevated concentrations of naturally-occurring metals (typically iron, arsenic, and manganese). In this case, the presence of elevated metals alone does not indicate a release from the facility, but rather residual effects from historical conditions.

Therefore, to evaluate the context for exceedances of site groundwater background concentrations, we developed the following categories which describe generally similar groundwater quality conditions, based on a number of factors including: well depth, geologic conditions, well location on-site, current and historical site operations, and results from nearby wells. These categories are summarized below and are indicated on Table 1. Consistent with the on-going evaluation of background conditions, these categories will be evaluated/refined as appropriate based on new data collected at the site.

Summary of Context for Sitewide Background Groundwater Quality Exceedances

Category/ Location	Description
General Conditions	
1	**pH** below site background downgradient of/adjacent to lined landfill; pH generally 5.6 to 6.3 s.u.
2	**pH** elevated due to grout used in monitoring well construction; grout may also result in elevated specific conductance.
3	**Temperature** above site background inferred to be related to location of well downgradient of/adjacent to lined landfill area; or temperature below background, typically recorded during colder months).

Category/ Location	**Description**
4	Periodically or consistently elevated concentrations of **metals** (typically, but not limited to naturally-occurring **arsenic, manganese, iron**) consistent with residual water quality effects related to the former unlined landfill, principally chemically-reducing conditions.
5	Periodically or consistently elevated **chloride** (and sometimes also **specific conductance**) primarily at shallow locations near or downgradient of roadways inferred to be in part or in whole related to road salting/vehicle traffic and associated soil disturbance. Deeper intervals may also indicate elevated chloride concentrations within the GMZ.
6	Periodically or consistently elevated **chloride** (and sometimes also **specific conductance**) at intermediate and deep wells outside the GMZ, and generally northwest of the landfill. These intermediate and deep wells sporadically indicate the presence of anthropogenic influence (e.g., sporadic detection of VOCs presumed to be related to earthwork associated with previous phases of landfill development), and are inferred to be completed in groundwater intervals representative of longer flow paths/travel times. As such, results from these monitoring wells are inferred to be representative of historical conditions which may no longer exist at the site.
7	Periodically or frequently detected **COD** consistent with residual water quality effects related to the former unlined landfill.
8	Periodically or frequently detected **TKN** consistent with residual water quality effects related to the former unlined landfill.
9	Shallow or intermediate well with sporadic **nitrate** detection; inferred to be related to hydroseeding, vegetation clearing, soil disturbance, or other site operations.
10	Low-level **PFAS** inside the GMZ related to the presence of the former unlined landfill.
11	Low-level detections of extended **metals** list analytes (primarily **barium** and **chromium**) at locations adjacent to/downgradient of lined landfill areas; inferred to be related to naturally-occurring metals in soil with concentrations possibly increased by mineral weathering related to earthwork associated with previous phases of landfill development.
Area-specific conditions	
B-927M	Well with a history of low-level **DCDFM** detections located proximate to the GMZ; previous results are consistent with residual impacts from the former unlined landfill and historical results from decommissioned predecessor well B-921M.
B-918M	Well located outside the GMZ north of the Stage I Landfill with a history of low-level **PFAS** and **1,4-dioxane** detections. Results are consistent with residual impacts from the August 2006 leachate forcemain break, subsequently addressed as part of the Stage I Phase I Landfill Capping System Repair Project, completed in September 2009. Note: 1,4-dioxane was historically detected in former monitoring well B-913M (decommissioned) located generally upgradient of B-918M.
MW-701 B-915U B-915M	Well located outside the GMZ proximate to the Stage I Landfill with a history of low-level **PFAS** detections related to historical leachate infrastructure operations corrected as part of the Leachate Management Improvement Project (LMIP), completed in May 2009. Stage I leachate infrastructure was later re-constructed as part of Stage V construction 2014-2015.
MW-802 MW-803 B-919U B-919M	Well located in the GMZ downgradient of the former unlined landfill with a history of sporadic low-level **VOC** detections. Low-level **PFAS** has also been detected at one or more locations. Results are consistent with residual impacts from the former unlined landfill.
B-304UR / B-304DR	Wells located in the GMZ downgradient of the former unlined landfill with a history of periodic low-level **1,4-dioxane** detections and periodic elevated (above GMZ background) **bromide and chloride** detections; Results are consistent with residual water quality effects related to the former unlined landfill and earthwork that was performed upgradient of these wells in summer 2019 to remove old, unused landfill infrastructure.

Comparison to Background

Comparison to sitewide background conditions as described herein is a conservative approach to screen for the potential of a release from the lined facility. For example, the generally reducing conditions in groundwater within the GMZ has resulted in a long period of record at multiple locations indicating elevated concentrations of naturally-occurring metals (typically iron, arsenic, and manganese). In this case, the detection of elevated metals alone at groundwater monitoring wells in or near the GMZ does not indicate a release from the facility, but rather residual effects from historical conditions. Similarly, groundwater conditions are anticipated to vary naturally over time and along flow paths, which may lead to differences between upgradient and downgradient groundwater concentrations/ conditions.

Because comparison to sitewide background values should not be used as a strict evaluation of a release from the lined facility, data evaluation for the site includes the following:

- Presentation of the historical groundwater and surface water quality data in graphical format (refer to trend plots in Appendices C.1 and C.2). These trend plots indicate concentrations or values over time and will be used to supplement the data summary tables to aid in identifying if analytes have "well-specific" concentrations, or ranges of concentrations, that if exceeded may indicate a release.
- Criteria that may be used to aid identification of potential releases from the lined facility (summarized in the table below). Based on our understanding of site hydrogeology and contaminant behavior in the subsurface, we believe that a release from the lined facility could be identified using multiple lines of evidence. Specifically, a hypothetical release from the lined facility could be identified based on one or more of the conditions indicated in the table below.

Summary of Criteria Used for Identifying Potential Releases from the Lined Landfill

Anticipated Release Condition		Rationale
1	Repeatable or persistent concentrations of analytes of interest over multiple sampling events above sitewide background concentrations. Repeat sampling has historically been performed at the site to confirm anomalous results. Increasing concentrations of analytes of interest may be observed.	Material releases from the facility would likely result from an on-going condition (i.e., one that persists unless/until corrected [e.g., liner defect, pipe break, landfill gas leakage]), and therefore include persistent detection of multiple analytes, or increasing concentrations of analytes of interest. "Isolated" or single analyte detection events, if detected and confirmed by the laboratory, would be considered representative of a transient condition (e.g., an incidental surface spill), rather than indicative of an on-going release. Absent consistent detections or increasing concentrations, the condition would likely be considered transient.

Anticipated Release Condition		Rationale
2	Multiple analytes of interest detected.	If released, material from the lined facility is anticipated to result in a broad range of analytes being detected in groundwater. If a single or more limited list of analytes are detected above sitewide background concentrations, an evaluation would be made regarding the potential source (e.g., leachate, landfill gas, incidental surface spill). For example, if VOCs were not detected but other indicator parameters (e.g., chloride, nitrate) were, leachate and landfill gas would not typically be suspected as a potential source as VOCs would be anticipated to be detected in a release of these materials from the lined facility.
3	Potentially (but not necessarily) identifiable in more than one monitoring location consistent with proximity to the landfill.	Based on inferred transport in groundwater, a material release from the lined facility may be detected in multiple monitoring locations. If analyte(s) of interest were detected, surrounding monitoring locations would be reviewed to evaluate if the condition is identified.
4	Operational observations substantiating a potential for release	The routine inspection and monitoring of the landfill is performed to identify conditions that may be indicative of a release. If analyte(s) of interest were detected, additional review of site operations/infrastructure would be performed to evaluate if the condition was related to a known or suspected release event (e.g., leachate breakout, broken leachate forcemain, landfill gas migration).

This list is not intended to address every possible hypothetical release from the lined facility, but rather serve as a basis for preliminary screening of data from the facility to supplement the existing Permit monitoring and reporting. This screening will focus on analytes in groundwater detected at concentrations above sitewide background concentrations.

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TABLE A.1
Calculation of Background Concentrations – Groundwater
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Location	Date	Field Parameters / Indicator Parameters / Dissolved Metals																			
		s.u.	µS/cm	°C	mg/L																
		pH	Specific Conductance	Temperature	Chemical Oxygen Demand	Bromide	Chloride	Nitrate	Total Kjeldahl Nitrogen (TKN)	Iron	Manganese	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Lead	Nickel	Silver	Thallium
GW-1 (AGQS)		NS	NS	NS	NS	NS	NS	10	NS	NS	0.3	0.006	0.005	2	0.004	0.005	0.1	0.015	0.1	0.1	0.002
SMCL		6.5-8.5	NS	NS	NS	NS	250	NS	NS	0.3	0.05	NS	NS	NS	NS	NS	NS	NS	NS	0.10	NS
B-923U	07-09-19																				
B-923U	11-05-19																				
B-923U	04-21-20	7.96	68	6.5	<10	<0.1	<1	<0.5	<0.5	<0.05	<0.005										
B-923U	07-16-20	7.61	56	9.1	<10	<0.1	<1	<0.5	<0.5	<0.05	<0.005	<0.001	<0.0005	0.019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
B-923U	11-04-20	6.96	60	6.2	<10	<0.1	<1	<0.5	<0.5	<0.05	<0.005										
B-923U	04-20-21																				
B-923U	07-07-21																				
B-923U	11-02-21																				
B-923U	04-20-22	7.13	63	4.7	<10	<0.1	1.6	<0.5	0.55	<0.05	<0.005										
B-923U	07-12-22	7.32	55	9.1	<10	<0.1	<1	<0.5	<0.5	<0.05	<0.005	<0.001	<0.0005	0.0035	<0.001	<0.001	<0.001	<0.001	0.0027	<0.001	<0.001
B-923U	11-02-22	7.49	60	8.1	<10	<0.1	<1	<0.5	<0.5	<0.05	<0.005										
B-923U	04-19-23																				
B-923U	07-12-23																				
B-923U	11-06-23																				
B-923U	04-16-24	7.42	59	6.5	<10	<0.1	<1	<0.5	<0.5	<0.05	<0.005										
B-923U	07-23-24	7.29	75	14.1	<10	<0.1	1.1	<0.5	<0.5	<0.05	<0.005	<0.001	<0.0005	0.0037	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
B-924U	07-09-19	6.63	92	10.4	<10	<0.1	<1	1.0	<0.5	<0.05	<0.005	<0.001	<0.0005	0.0061	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
B-924U	11-05-19	6.81	104	7.8	<10	<0.1	1	2.5	<0.5	<0.05	<0.005										
B-924U	04-21-20																				
B-924U	07-16-20	6.74	82	9.3																	
B-924U	11-04-20																				
B-924U	04-20-21	6.73	78	7.6	<10	<0.1	1	0.68	0.53	<0.05	<0.005										
B-924U	07-07-21	7.13	96	11.6	<10	<0.1	<1	1.2	<0.5	<0.05	<0.005	<0.001	<0.0005	0.0081	<0.001	<0.001	0.0012	<0.001	<0.001	<0.001	<0.001
B-924U	09-29-21	7.32	98	6.9																	
B-924U	11-02-21	6.68	83	7.2	<10	<0.1	<1	1.2	<0.5	<0.05	<0.005										
B-924U	04-20-22																				
B-924U	07-12-22																				
B-924U	11-02-22																				
B-924U	04-19-23	6.98	90	7	<10	<0.1	<1	<0.5	<0.5	<0.05	<0.005										
B-924U	07-12-23	6.87	92	10.3	<10	<0.1	<1	<0.5	<0.5	<0.05	<0.005	<0.001	<0.0005	0.0063	<0.001	<0.001	0.0017	<0.001	0.0017	<0.001	<0.001
B-924U	11-07-23	**6.46**	91	7.8	<10	<0.1	<1	<0.5	<0.5	<0.05	<0.005										
B-924U	04-16-24																				
B-924U	07-23-24																				
B-924L	07-09-19																				
B-924L	11-05-19																				
B-924L	04-21-20																				
B-924L	07-16-20	**9.28**	105	9.1	<10	<0.1	<1	<0.5	<0.5	<0.05	0.0087										
B-924L	11-04-20																				
B-924L	04-20-21																				
B-924L	07-07-21																				
B-924L	11-02-21																				
B-924L	04-20-22																				
B-924L	07-12-22	**6.32**	61	15.4	<10	<0.1	<1	<0.5	<0.5	0.066	0.0099										
B-924L	11-02-22																				
B-924L	04-19-23																				
B-924L	07-12-23																				
B-924L	11-06-23																				
B-924L	04-16-24																				
B-924L	07-23-24	8.90	113	9.3	<10	<0.1	<1	<0.5	<0.5	<0.05	0.0094										
B-925U	07-09-19																				
B-925U	11-05-19																				
B-925U	04-21-20	7.51	78	7.1	<10	<0.1	<1	<0.5	<0.5	0.064	<0.005										
B-925U	07-16-20	7.68	70	9.8	<10	<0.1	<1	<0.5	<0.5	<0.05	<0.005	<0.001	<0.0005	0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
B-925U	11-04-20	7.62	58	6.2	<10	<0.1	<1	<0.5	<0.5	0.065	<0.005										
B-925U	04-20-21																				
B-925U	07-07-21																				
B-925U	11-02-21																				
B-925U	04-20-22	6.95	65	5.6	<10	<0.1	<1	<0.5	0.58	<0.05	<0.005										
B-925U	07-12-22	6.50	60	11.6	<10	<0.1	<1	<0.5	<0.5	0.16	0.0059	<0.001	<0.0005	0.0082	<0.001	<0.001	0.0014	<0.001	0.0021	<0.001	<0.001
B-925U	11-02-22	6.73	61	7.6	<10	<0.1	<1	<0.5	<0.5	**0.41**	0.015										
B-925U	04-19-23																				
B-925U	07-12-23																				
B-925U	11-06-23																				
B-925U	04-15-24	6.89	70	7.5	<10	<0.1	<1	<0.5	<0.5	<0.05	<0.005										
B-925U	07-23-24	7.54	67	8.7	<10	<0.1	1.4	<0.5	<0.5	<0.05	<0.005	<0.001	<0.0005	0.0033	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
B-925L	07-09-19																				
B-925L	11-05-19																				
B-925L	04-21-20																				
B-925L	07-16-20	**8.69**	109	10	<10	<0.1	1.1	<0.5	<0.5	<0.05	0.022										
B-925L	11-04-20																				
B-925L	04-20-21																				
B-925L	07-07-21																				
B-925L	11-02-21																				
B-925L	04-20-22																				
B-925L	07-13-22	7.75	125	9.1	<10	<0.1	1.3	<0.5	<0.5	0.08	0.036										
B-925L	11-02-22																				
B-925L	04-19-23																				
B-925L	07-12-23																				
B-925L	11-06-23																				
B-925L	04-15-24																				
B-925L	07-23-24	7.75	122	9.1	<10	<0.1	1.3	<0.5	<0.5	0.17	0.072										
B-929U	11-02-22																				
B-929U	12-01-22	**5.29**	68	3.86	<10	<0.1	1.2	1.6	<0.5	<0.05	0.0099	<0.001	<0.0005	0.01	<0.001	<0.001	0.0011	<0.001	<0.001	<0.001	<0.001
B-929U	03-20-23	6.57	84	7.7	<10	<0.1	1.8	1.9	<0.5	<0.05	<0.005	<0.001	<0.0005	0.0065	<0.001	<0.001	0.0013	<0.001	<0.001	<0.001	<0.001
B-929U	04-19-23																				
B-929U	07-12-23	6.76	88	11.9	<10	<0.1	1.5	2.6	<0.5	<0.05	<0.005	<0.001	<0.0005	0.01	<0.001	<0.001	0.0013	<0.001	<0.001	<0.001	<0.001
B-929U	11-07-23	**6.21**	84	7.4	<10	<0.1	1.4	3	<0.5	<0.05	<0.005										
B-929U	04-15-24	7.05	85	8	<10	<0.1	1.1	3.2	<0.5	<0.05	<0.005										
B-929U	07-23-24	6.96	84	9.1	<10	<0.1	1.2	2.3	<0.5	<0.05	<0.005										
B-929L	11-02-22																				
B-929L	12-01-22	6.47	101	5.59	15	<0.1	1.6	1.4	<0.5	<0.05	0.046	<0.001	0.00051	0.015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
B-929L	03-20-23	6.93	83	7.1	<10	<0.1	1.7	1.3	<0.5	0.091	0.0095	<0.001	<0.0005	0.009	<0.001	<0.001	0.0012	<0.001	<0.001	<0.001	<0.001
B-929L	04-19-23																				
B-929L	07-12-23																				
B-929L	11-07-23																				
B-929L	04-15-24																				
B-929L	07-23-24	7.02	78.77	11.1	<10	<0.1	1.8	0.51	<0.5	<0.05	<0.005										
Minimum Detection		5.3	55	3.9	15	ND	1.0	0.51	0.53	0.064	0.0059	ND	0.00051	0.0033	ND	ND	0.001	ND	0.0017	ND	ND
Maximum Detection		9.3	125	15.4	15	ND	1.8	3.2	0.58	**0.41**	0.072	ND	0.00051	0.025	ND	ND	0.0017	ND	0.0027	ND	ND
Median of Detections		7.0	82	8.0	15	–	1.3	1.5	0.55	0.09	0.010	–	0.00051	0.0082	–	–	0.0013	–	0.0021	–	–
5th Percentile of Detections		6.3	58	5.6	15	–	1.0	0.62	0.532	0.064	0.0073	–	0.00051	0.0034	–	–	0.0011	–	0.0017	–	–
95th Percentile of Detections		8.7	113	11.9	15	–	1.8	3.07	0.577	**0.326**	0.059	–	0.00051	0.0211	–	–	0.0016	–	0.0026	–	–
Typical Reporting Limit for All NDs		–	–	–	–	<0.1	–	–	–	–	–	<0.001	–	–	<0.001	<0.001	–	<0.001	–	<0.001	<0.001
Site-Specific Background Value		–	–	–	–	0.1, 0.4 §	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Selected Background Concentration

TABLE A.1
Calculation of Background Concentrations – Groundwater
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Location	Date	Volatile Organic Compounds µg/L																														
		Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Butanone (2-) (MEK)	Butylbenzene (n-)	Butylbenzene (sec-)	Butylbenzene (tert-)	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene (Monochlorobenzene)	Chloroethane	Chloroform (Trichloromethane)	Chloromethane	Chlorotoluene (2-)	Chlorotoluene (4-)	Dibromo-3-chloropropane (1,2-) (DBCP)	Dibromo-3-chloropropane (1,2-) (DBCP)	Dibromochloromethane	Dibromoethane (1,2-) (Ethylene dibromide)	Dibromoethane (1,2-) (Ethylene dibromide)	Dibromomethane (Methylene bromide)	Dichlorobenzene (1,2-)	Dichlorobenzene (1,3-)	Dichlorobenzene (1,4-)	Dichlorodifluoromethane	Dichloroethane (1,1-)	Dichloroethane (1,2-)	Dichloroethene (1,1-)
GW-1 (AGQS)		6,000	5	60	NS	0.6	4	10	4,000	260	260	260	70	5	100	NS	70	30	100	NS	0.2	0.2	0.2	0.05	0.05	NS	600	600	75	1,000	81	5	7
SMCL		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
B-923U	07-09-19																																
B-923U	11-05-19																																
B-923U	04-21-20	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
B-923U	07-16-20																																
B-923U	11-04-20	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
B-923U	04-20-21																																
B-923U	07-07-21																																
B-923U	11-02-21																																
B-923U	04-20-22	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
B-923U	07-12-22																																
B-923U	11-02-22	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
B-923U	04-19-23																																
B-923U	07-12-23																																
B-923U	11-06-23																																
B-923U	04-16-24	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2		<1	<0.5		<1	<1	<1	<1	<2	<1	<1	<0.5
B-923U	07-23-24																																
B-924U	07-09-19																																
B-924U	11-05-19	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<5	<1	<2	<1	<1	<2	<0.02	<1	<2	<0.02	<1	<1	<1	<1	<5	<1	<1	<1
B-924U	04-21-20																																
B-924U	07-16-20																																
B-924U	11-04-20																																
B-924U	04-20-21	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
B-924U	07-07-21																																
B-924U	09-29-21																																
B-924U	11-02-21	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
B-924U	04-20-22																																
B-924U	07-12-22																																
B-924U	11-02-22																																
B-924U	04-19-23	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
B-924U	07-12-23																																
B-924U	11-07-23	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2		<1	<0.5		<1	<1	<1	<1	<2	<1	<1	<0.5
B-924U	04-16-24																																
B-924U	07-23-24																																
B-924L	07-09-19																																
B-924L	11-05-19																																
B-924L	04-21-20																																
B-924L	07-16-20	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
B-924L	11-04-20																																
B-924L	04-20-21																																
B-924L	07-07-21																																
B-924L	11-02-21																																
B-924L	04-20-22																																
B-924L	07-12-22	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
B-924L	11-02-22																																
B-924L	04-19-23																																
B-924L	07-12-23																																
B-924L	11-06-23																																
B-924L	04-16-24																																
B-924L	07-23-24	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2		<1	<0.5		<1	<1	<1	<1	<2	<1	<1	<0.5
B-925U	07-09-19																																
B-925U	11-05-19																																
B-925U	04-21-20	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
B-925U	07-16-20																																
B-925U	11-04-20	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
B-925U	04-20-21																																
B-925U	07-07-21																																
B-925U	11-02-21																																
B-925U	04-20-22	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
B-925U	07-12-22																																
B-925U	11-02-22	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
B-925U	04-19-23																																
B-925U	07-12-23																																
B-925U	11-06-23																																
B-925U	04-15-24	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2		<1	<0.5		<1	<1	<1	<1	<2	<1	<1	<0.5
B-925U	07-23-24																																
B-925L	07-09-19																																
B-925L	11-05-19																																
B-925L	04-21-20																																
B-925L	07-16-20	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
B-925L	11-04-20																																
B-925L	04-20-21																																
B-925L	07-07-21																																
B-925L	11-02-21																																
B-925L	04-20-22																																
B-925L	07-13-22	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
B-925L	11-02-22																																
B-925L	04-19-23																																
B-925L	07-12-23																																
B-925L	11-06-23																																
B-925L	04-15-24																																
B-925L	07-23-24	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2		<1	<0.5		<1	<1	<1	<1	<2	<1	<1	<0.5
B-929U	11-02-22																																
B-929U	12-01-22	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
B-929U	03-20-23	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
B-929U	04-19-23																																
B-929U	07-12-23																																
B-929U	11-07-23	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2		<1	<0.5		<1	<1	<1	<1	<2	<1	<1	<0.5
B-929U	04-15-24	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2		<1	<0.5		<1	<1	<1	<1	<2	<1	<1	<0.5
B-929U	07-23-24																					<0.02			<0.02								
B-929L	11-02-22																																
B-929L	12-01-22	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
B-929L	03-20-23	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
B-929L	04-19-23																																
B-929L	07-12-23																																
B-929L	11-07-23																																
B-929L	04-15-24																																
B-929L	07-23-24	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
Minimum Detection		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Detection		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Median of Detections		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5th Percentile of Detections		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
95th Percentile of Detections		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Typical Reporting Limit for All NDs		<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<2	<0.02	<1	<0.5	<0.02	<1	<1	<1	<1	<2	<1	<1	<0.5
Site-Specific Background Value		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Selected Background Concentration																																	

TABLE A.1
Calculation of Background Concentrations – Groundwater
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Location	Date	Volatile Organic Compounds µg/L																												
		Dichloroethene (cis-1,2-)	Dichloroethene (trans-1,2-)	Dichloropropane (1,2-)	Dichloropropane (1,3-)	Dichloropropane (2,2-)	Dichloropropene (1,1-)	Dichloropropene (1,3-) (total)	Dichloropropene (cis-1,3-)	Dichloropropene (trans-1,3-)	Diethyl Ether (Ethyl Ether)	Diisopropyl ether (DIPE)	Dioxane (1,4-)	Ethyl tertiary butyl ether (ETBE)	Ethylbenzene	Hexachlorobutadiene	Hexanone (2-)	Isopropylbenzene (Cumene)	Isopropyltoluene (p-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Methyl-t-butyl Ether (MTBE)	Naphthalene	Propylbenzene (n-)	Styrene	Tertiary amyl methyl ether (TAME)	Tertiary butyl alcohol (TBA) (tert-Butanol)	Tetrachloroethane (1,1,1,2-)	Tetrachloroethane (1,1,2,2-)	Tetrachloroethene (PCE)
GW-1 (AGQS)		70	100	5	NS	NS	NS	0.5 ‡	NS	NS	1,400	120	0.32	40	700	0.5	NS	800	260	2,000	5	13	100	260	100	140	40	70	2	5
SMCL		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
B-923U	07-09-19																													
B-923U	11-05-19																													
B-923U	04-21-20	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-923U	07-16-20																													
B-923U	11-04-20	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-923U	04-20-21																													
B-923U	07-07-21																													
B-923U	11-02-21																													
B-923U	04-20-22	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-923U	07-12-22																													
B-923U	11-02-22	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-923U	04-19-23																													
B-923U	07-12-23																													
B-923U	11-06-23																													
B-923U	04-16-24	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-923U	07-23-24																													
B-924U	07-09-19																													
B-924U	11-05-19	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<5	<5	<0.25	<5	<1	<0.5	<10	<1	<1	<10	<5	<1	<5	<1	<1	<5	<30	<1	<1	<1
B-924U	04-21-20																													
B-924U	07-16-20																													
B-924U	11-04-20																													
B-924U	04-20-21	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-924U	07-07-21																													
B-924U	09-29-21																													
B-924U	11-02-21	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-924U	04-20-22																													
B-924U	07-12-22																													
B-924U	11-02-22																													
B-924U	04-19-23	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-924U	07-12-23																													
B-924U	11-07-23	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-924U	04-16-24																													
B-924U	07-23-24																													
B-924L	07-09-19																													
B-924L	11-05-19																													
B-924L	04-21-20																													
B-924L	07-16-20	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-924L	11-04-20																													
B-924L	04-20-21																													
B-924L	07-07-21																													
B-924L	11-02-21																													
B-924L	04-20-22																													
B-924L	07-12-22	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-924L	11-02-22																													
B-924L	04-19-23																													
B-924L	07-12-23																													
B-924L	11-06-23																													
B-924L	04-16-24																													
B-924L	07-23-24	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-925U	07-09-19																													
B-925U	11-05-19																													
B-925U	04-21-20	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-925U	07-16-20																													
B-925U	11-04-20	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-925U	04-20-21																													
B-925U	07-07-21																													
B-925U	11-02-21																													
B-925U	04-20-22	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-925U	07-12-22																													
B-925U	11-02-22	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-925U	04-19-23																													
B-925U	07-12-23																													
B-925U	11-06-23																													
B-925U	04-15-24	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-925U	07-23-24																													
B-925L	07-09-19																													
B-925L	11-05-19																													
B-925L	04-21-20																													
B-925L	07-16-20	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-925L	11-04-20																													
B-925L	04-20-21																													
B-925L	07-07-21																													
B-925L	11-02-21																													
B-925L	04-20-22																													
B-925L	07-13-22	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-925L	11-02-22																													
B-925L	04-19-23																													
B-925L	07-12-23																													
B-925L	11-06-23																													
B-925L	04-15-24																													
B-925L	07-23-24	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-929U	11-02-22																													
B-929U	12-01-22	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-929U	03-20-23	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-929U	04-19-23																													
B-929U	07-12-23																													
B-929U	11-07-23	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-929U	04-15-24	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-929U	07-23-24																													
B-929L	11-02-22																													
B-929L	12-01-22	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-929L	03-20-23	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
B-929L	04-19-23																													
B-929L	07-12-23																													
B-929L	11-07-23																													
B-929L	04-15-24																													
B-929L	07-23-24	<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
Minimum Detection		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Detection		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Median of Detections		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5th Percentile of Detections		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
95th Percentile of Detections		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Typical Reporting Limit for All NDs		<1	<1	<1	<1	<1	<1	ND	<0.5	<0.5	<2	<2	<0.25	<2	<1	<0.5	<10	<1	<1	<10	<1	<1	<2	<1	<1	<2	<30	<1	<1	<1
Site-Specific Background Value		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Selected Background Concentration																														

TABLE A.1
Calculation of Background Concentrations – Groundwater
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Location	Date	Volatile Organic Compounds µg/L																Semi-Volatile Organic Compounds µg/L														
		Tetrahydrofuran	Toluene	Trichlorobenzene (1,2,3-)	Trichlorobenzene (1,2,4-)	Trichlorobenzene (1,3,5-)	Trichloroethane (1,1,1-)	Trichloroethane (1,1,2-)	Trichloroethene (TCE)	Trichlorofluoromethane	Trichloropropane (1,2,3-)	Trimethylbenzene (1,2,4-)	Trimethylbenzene (1,3,5-)	Vinyl Chloride	Xylene (m,p-)	Xylene (o-)	Xylenes (total)	Total VOCs	Acenaphthene	Acenaphthylene	Acetophenone	Aniline	Anthracene	Azobenzene	Benzidine	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic acid	Benzyl Alcohol	bis(2-Chloroethoxy) methane
GW-1 (AGQS)		600	1,000	NS	70	40	200	5	5	2,000	0.5	330	330	2	NS	NS	10,000	NS	420	420	NS	NS	2,100	NS	0.8	0.1	0.2	0.1	210	0.5	28,000	NS	NS
SMCL		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
B-923U	07-09-19																															
B-923U	11-05-19																															
B-923U	04-21-20	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-923U	07-16-20																		<0.1	<0.1	<10	<1	<0.1	<1	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<50	<10	<1
B-923U	11-04-20	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-923U	04-20-21																															
B-923U	07-07-21																															
B-923U	11-02-21																															
B-923U	04-20-22	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-923U	07-12-22																															
B-923U	11-02-22	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-923U	04-19-23																															
B-923U	07-12-23																															
B-923U	11-06-23																															
B-923U	04-16-24	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-923U	07-23-24																															
B-924U	07-09-19																															
B-924U	11-05-19	<10	<1	<1	<1	<1	<1	<1	<1	<5	<0.5	<1	<1	<2	<1	<1	ND	ND														
B-924U	04-21-20																															
B-924U	07-16-20																		<0.1	<0.1	<10	<1	<0.1	<1	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<50	<10	<1
B-924U	11-04-20																															
B-924U	04-20-21	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-924U	07-07-21																															
B-924U	09-29-21																															
B-924U	11-02-21	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-924U	04-20-22																															
B-924U	07-12-22																															
B-924U	11-02-22																															
B-924U	04-19-23	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-924U	07-12-23																															
B-924U	11-07-23	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-924U	04-16-24																															
B-924U	07-23-24																															
B-924L	07-09-19																															
B-924L	11-05-19																															
B-924L	04-21-20																															
B-924L	07-16-20	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-924L	11-04-20																															
B-924L	04-20-21																															
B-924L	07-07-21																															
B-924L	11-02-21																															
B-924L	04-20-22																															
B-924L	07-12-22	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-924L	11-02-22																															
B-924L	04-19-23																															
B-924L	07-12-23																															
B-924L	11-06-23																															
B-924L	04-16-24																															
B-924L	07-23-24	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-925U	07-09-19																															
B-925U	11-05-19																															
B-925U	04-21-20	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-925U	07-16-20																		<0.1	<0.1	<10	<1	<0.1	<1	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<50	<10	<1
B-925U	11-04-20	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-925U	04-20-21																															
B-925U	07-07-21																															
B-925U	11-02-21																															
B-925U	04-20-22	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-925U	07-12-22																															
B-925U	11-02-22	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-925U	04-19-23																															
B-925U	07-12-23																															
B-925U	11-06-23																															
B-925U	04-15-24	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-925U	07-23-24																															
B-925L	07-09-19																															
B-925L	11-05-19																															
B-925L	04-21-20																															
B-925L	07-16-20	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-925L	11-04-20																															
B-925L	04-20-21																															
B-925L	07-07-21																															
B-925L	11-02-21																															
B-925L	04-20-22																															
B-925L	07-13-22	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-925L	11-02-22																															
B-925L	04-19-23																															
B-925L	07-12-23																															
B-925L	11-06-23																															
B-925L	04-15-24																															
B-925L	07-23-24	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-929U	11-02-22																															
B-929U	12-01-22	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND	<0.1	<0.1	<10	<1	<0.1	<1	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<50	<10	<1
B-929U	03-20-23	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND	<0.1	<0.1	<10	<1	<0.1	<1	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<50	<10	<1
B-929U	04-19-23																															
B-929U	07-12-23																															
B-929U	11-07-23	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-929U	04-15-24	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
B-929U	07-23-24																															
B-929L	11-02-22																															
B-929L	12-01-22	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND	<0.1	<0.1	<10	<1	<0.1	<1	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<50	<10	<1
B-929L	03-20-23	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND	<0.1	<0.1	<10	<1	<0.1	<1	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<50	<10	<1
B-929L	04-19-23																															
B-929L	07-12-23																															
B-929L	11-07-23																															
B-929L	04-15-24																															
B-929L	07-23-24	<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND														
Minimum Detection		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Detection		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Median of Detections		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5th Percentile of Detections		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
95th Percentile of Detections		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Typical Reporting Limit for All NDs		<10	<1	<0.5	<1	<1	<1	<1	<1	<2	<0.5	<1	<1	<1	<1	<1	ND	ND	<0.1	<0.1	<10	<1	<0.1	<1	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<50	<10	<1
Site-Specific Background Value		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Selected Background Concentration																																	

TABLE A.1
Calculation of Background Concentrations – Groundwater
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Location	Date	Semi-Volatile Organic Compounds µg/L																																	
		bis(2-Chloroethyl)ether	bis(2-Chloroisopropyl) ether	bis(2-Ethylhexyl)phthalate	Bromophenyl-phenylether (4-)	Butylbenzylphthalate	Carbazole	Chloro-3-methylphenol (4-)	Chloroaniline (4-)	Chloronaphthalene (2-)	Chlorophenol (2-)	Chlorophenyl-phenylether (4-)	Chrysene	Decane (n-)	Dibenz(a,h)anthracene	Dibenzofuran	Dichloroaniline (2,3-)	Dichlorobenzene (1,2-)	Dichlorobenzene (1,3-)	Dichlorobenzene (1,4-)	Dichlorobenzidine (3,3'-)	Dichlorophenol (2,4-)	Diethylphthalate	Dimethylphenol (2,4-)	Dimethylphthalate	Di-n-butylphthalate	Dinitro-2-methylphenol (4,6-)	Dinitrophenol (2,4-)	Dinitrotoluene (2,4-)	Dinitrotoluene (2,6-)	Di-n-octylphthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene
GW-1 (AGQS)		10	300	6	NS	NS	NS	NS	28	NS	40	NS	5	NS	0.1	NS	NS	600	600	75	1.3	20	NS	140	50,000	800	NS	14	10	NS	NS	280	280	1	0.5
SMCL		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
B-923U	07-09-19																																		
B-923U	11-05-19																																		
B-923U	04-21-20																																		
B-923U	07-16-20	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<0.1	<5	<0.1	<1	<1	<1	<1	<1	<1	<1	<5	<5	<1	<5	<5	<10	<2	<2	<5	<0.1	<0.1	<1	<1
B-923U	11-04-20																																		
B-923U	04-20-21																																		
B-923U	07-07-21																																		
B-923U	11-02-21																																		
B-923U	04-20-22																																		
B-923U	07-12-22																																		
B-923U	11-02-22																																		
B-923U	04-19-23																																		
B-923U	07-12-23																																		
B-923U	11-06-23																																		
B-923U	04-16-24																																		
B-923U	07-23-24																																		
B-924U	07-09-19																																		
B-924U	11-05-19																																		
B-924U	04-21-20																																		
B-924U	07-16-20	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<0.1	<5	<0.1	<1	<1	<1	<1	<1	<1	<1	<5	<5	<1	<5	<5	<10	<2	<2	<5	<0.1	<0.1	<1	<1
B-924U	11-04-20																																		
B-924U	04-20-21																																		
B-924U	07-07-21																																		
B-924U	09-29-21																																		
B-924U	11-02-21																																		
B-924U	04-20-22																																		
B-924U	07-12-22																																		
B-924U	11-02-22																																		
B-924U	04-19-23																																		
B-924U	07-12-23																																		
B-924U	11-07-23																																		
B-924U	04-16-24																																		
B-924U	07-23-24																																		
B-924L	07-09-19																																		
B-924L	11-05-19																																		
B-924L	04-21-20																																		
B-924L	07-16-20																																		
B-924L	11-04-20																																		
B-924L	04-20-21																																		
B-924L	07-07-21																																		
B-924L	11-02-21																																		
B-924L	04-20-22																																		
B-924L	07-12-22																																		
B-924L	11-02-22																																		
B-924L	04-19-23																																		
B-924L	07-12-23																																		
B-924L	11-06-23																																		
B-924L	04-16-24																																		
B-924L	07-23-24																																		
B-925U	07-09-19																																		
B-925U	11-05-19																																		
B-925U	04-21-20																																		
B-925U	07-16-20	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<0.1	<5	<0.1	<1	<1	<1	<1	<1	<1	<1	<5	<5	<1	<5	<5	<10	<2	<2	<5	<0.1	<0.1	<1	<1
B-925U	11-04-20																																		
B-925U	04-20-21																																		
B-925U	07-07-21																																		
B-925U	11-02-21																																		
B-925U	04-20-22																																		
B-925U	07-12-22																																		
B-925U	11-02-22																																		
B-925U	04-19-23																																		
B-925U	07-12-23																																		
B-925U	11-06-23																																		
B-925U	04-15-24																																		
B-925U	07-23-24																																		
B-925L	07-09-19																																		
B-925L	11-05-19																																		
B-925L	04-21-20																																		
B-925L	07-16-20																																		
B-925L	11-04-20																																		
B-925L	04-20-21																																		
B-925L	07-07-21																																		
B-925L	11-02-21																																		
B-925L	04-20-22																																		
B-925L	07-13-22																																		
B-925L	11-02-22																																		
B-925L	04-19-23																																		
B-925L	07-12-23																																		
B-925L	11-06-23																																		
B-925L	04-15-24																																		
B-925L	07-23-24																																		
B-929U	11-02-22																																		
B-929U	12-01-22	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<0.1	<5	<0.1	<1	<1	<1	<1	<1	<1	<1	<5	<5	<1	<5	<5	<10	<2	<2	<5	<0.1	<0.1	<1	<1
B-929U	03-20-23	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<0.1	<5	<0.1	<1	<1	<1	<1	<1	<1	<1	<5	<5	<1	<5	<5	<10	<2	<2	<5	<0.1	<0.1	<1	<1
B-929U	04-19-23																																		
B-929U	07-12-23																																		
B-929U	11-07-23																																		
B-929U	04-15-24																																		
B-929U	07-23-24																																		
B-929L	11-02-22																																		
B-929L	12-01-22	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<0.1	<5	<0.1	<1	<1	<1	<1	<1	<1	<1	<5	<5	<1	<5	<5	<10	<2	<2	<5	<0.1	<0.1	<1	<1
B-929L	03-20-23	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<0.1	<5	<0.1	<1	<1	<1	<1	<1	<1	<1	<5	<5	<1	<5	<5	<10	<2	<2	<5	<0.1	<0.1	<1	<1
B-929L	04-19-23																																		
B-929L	07-12-23																																		
B-929L	11-07-23																																		
B-929L	04-15-24																																		
B-929L	07-23-24																																		
Minimum Detection		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Detection		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Median of Detections		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5th Percentile of Detections		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
95th Percentile of Detections		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Typical Reporting Limit for All NDs		<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<0.1	<5	<0.1	<1	<1	<1	<1	<1	<1	<1	<5	<5	<1	<5	<5	<10	<2	<2	<5	<0.1	<0.1	<1	<1
Site-Specific Background Value		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Selected Background Concentration																																			

TABLE A.1
Calculation of Background Concentrations – Groundwater
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Location	Date	Semi-Volatile Organic Compounds µg/L																												
		Hexachlorocyclo-pentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene	Isophorone	Methylnapthalene (1-)	Methylnaphthalene (2-)	Methylphenol (2-)	Methylphenol (3 4-) ¥	Naphthalene	Nitroaniline (2-)	Nitroaniline (3-)	Nitroaniline (4-)	Nitrobenzene	Nitrophenol (2-)	Nitrophenol (4-)	Nitrosodi-methylamine (N-)	Nitroso-di-n-propylamine (N-)	Nitrosodi-phenylamine (N-)	Octadecane (n-)	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine	Terpineol (alpha-)	Trichlorobenzene (1,2,4-)	Trichlorophenol (2,4,5-)	Trichlorophenol (2,4,6-)	Total SVOCs
GW-1 (AGQS)		50	1	0.1	100	160	280	40	40	100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1	210	2,000	210	NS	NS	70	700	5.0	NS
SMCL		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
B-923U	07-09-19																													
B-923U	11-05-19																													
B-923U	04-21-20																													
B-923U	07-16-20	<5	<1	<0.1	<1	<0.1	<0.1	<1	<1	<0.1	<5	<5	<5	<1	<5	<5	<1	<0.5	<1	<5	<5	<0.1	<1	<0.1	<5	<5	<1	<1	<1	ND
B-923U	11-04-20																													
B-923U	04-20-21																													
B-923U	07-07-21																													
B-923U	11-02-21																													
B-923U	04-20-22																													
B-923U	07-12-22																													
B-923U	11-02-22																													
B-923U	04-19-23																													
B-923U	07-12-23																													
B-923U	11-06-23																													
B-923U	04-16-24																													
B-923U	07-23-24																													
B-924U	07-09-19																													
B-924U	11-05-19																													
B-924U	04-21-20																													
B-924U	07-16-20	<5	<1	<0.1	<1	<0.1	<0.1	<1	<1	<0.1	<5	<5	<5	<1	<5	<5	<1	<0.5	<1	<5	<5	<0.1	<1	<0.1	<5	<5	<1	<1	<1	ND
B-924U	11-04-20																													
B-924U	04-20-21																													
B-924U	07-07-21																													
B-924U	09-29-21																													
B-924U	11-02-21																													
B-924U	04-20-22																													
B-924U	07-12-22																													
B-924U	11-02-22																													
B-924U	04-19-23																													
B-924U	07-12-23																													
B-924U	11-07-23																													
B-924U	04-16-24																													
B-924U	07-23-24																													
B-924L	07-09-19																													
B-924L	11-05-19																													
B-924L	04-21-20																													
B-924L	07-16-20																													
B-924L	11-04-20																													
B-924L	04-20-21																													
B-924L	07-07-21																													
B-924L	11-02-21																													
B-924L	04-20-22																													
B-924L	07-12-22																													
B-924L	11-02-22																													
B-924L	04-19-23																													
B-924L	07-12-23																													
B-924L	11-06-23																													
B-924L	04-16-24																													
B-924L	07-23-24																													
B-925U	07-09-19																													
B-925U	11-05-19																													
B-925U	04-21-20																													
B-925U	07-16-20	<5	<1	<0.1	<1	<0.1	<0.1	<1	<1	<0.1	<5	<5	<5	<1	<5	<5	<1	<0.5	<1	<5	<5	<0.1	<1	<0.1	<5	<5	<1	<1	<1	ND
B-925U	11-04-20																													
B-925U	04-20-21																													
B-925U	07-07-21																													
B-925U	11-02-21																													
B-925U	04-20-22																													
B-925U	07-12-22																													
B-925U	11-02-22																													
B-925U	04-19-23																													
B-925U	07-12-23																													
B-925U	11-06-23																													
B-925U	04-15-24																													
B-925U	07-23-24																													
B-925L	07-09-19																													
B-925L	11-05-19																													
B-925L	04-21-20																													
B-925L	07-16-20																													
B-925L	11-04-20																													
B-925L	04-20-21																													
B-925L	07-07-21																													
B-925L	11-02-21																													
B-925L	04-20-22																													
B-925L	07-13-22																													
B-925L	11-02-22																													
B-925L	04-19-23																													
B-925L	07-12-23																													
B-925L	11-06-23																													
B-925L	04-15-24																													
B-925L	07-23-24																													
B-929U	11-02-22																													
B-929U	12-01-22	<5	<1	<0.1	<1	<0.1	<0.1	<1	<1	<0.1	<5	<5	<5	<1	<5	<5	<1	<0.5	<1	<5	<5	<0.1	<1	<0.1	<5	<5	<1	<1	<1	ND
B-929U	03-20-23	<5	<1	<0.1	<1	<0.1	<0.1	<1	<1	<0.1	<5	<5	<5	<1	<5	<5	<1	<0.5	<1	<5	<5	<0.1	<1	<0.1	<5	<5	<1	<1	<1	ND
B-929U	04-19-23																													
B-929U	07-12-23																													
B-929U	11-07-23																													
B-929U	04-15-24																													
B-929U	07-23-24																													
B-929L	11-02-22																													
B-929L	12-01-22	<5	<1	<0.1	<1	<0.1	<0.1	<1	<1	<0.1	<5	<5	<5	<1	<5	<5	<1	<0.5	<1	<5	<5	<0.1	<1	<0.1	<5	<5	<1	<1	<1	ND
B-929L	03-20-23	<5	<1	<0.1	<1	<0.1	<0.1	<1	<1	<0.1	<5	<5	<5	<1	<5	<5	<1	<0.5	<1	<5	<5	<0.1	<1	<0.1	<5	<5	<1	<1	<1	ND
B-929L	04-19-23																													
B-929L	07-12-23																													
B-929L	11-07-23																													
B-929L	04-15-24																													
B-929L	07-23-24																													
Minimum Detection		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Detection		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Median of Detections		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5th Percentile of Detections		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
95th Percentile of Detections		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Typical Reporting Limit for All NDs		<5	<1	<0.1	<1	<0.1	<0.1	<1	<1	<0.1	<5	<5	<5	<1	<5	<5	<1	<0.5	<1	<5	<5	<0.1	<1	<0.1	<5	<5	<1	<1	<1	ND
Site-Specific Background Value		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Selected Background Concentration																														

TABLE A.1
Calculation of Background Concentrations – Groundwater
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Location	Date	Per- and Polyfluoroalkyl Substances Concentrations in ng/L																		
		Perfluorobutanoic Acid (PFBA) [3]	Perfluoropentanoic Acid (PFPeA) [4]	Perfluorohexanoic Acid (PFHxA) [5]	Perfluoroheptanoic Acid (PFHpA) [6]	Perfluorooctanoic Acid (PFOA) [7]	Perfluorononanoic Acid (PFNA) [8]	Perfluorodecanoic Acid (PFDA) [9]	Perfluoroundecanoic Acid (PFUnA) [10]	Perfluorododecanoic Acid (PFDoA) [11]	Perfluorotridecanoic Acid (PFTrA) [12]	Perfluorotetradecanoic Acid (PFTeA) [13]	Perfluorobutanesulfonic Acid (PFBS) [4S]	Perfluoropentanesulfonic Acid (PFPeS) [5S]	Perfluorohexanesulfonic Acid (PFHxS) [6S]	Perfluoroheptanesulfonic Acid (PFHpS) [7S]	Perfluorooctanesulfonic Acid (PFOS) [8S]	Perfluorononanesulfonic Acid (PFNS) [9S]	Perfluorodecanesulfonic Acid (PFDS) [10S]	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)
	GW-1 (AGQS)	NS	NS	NS	NS	12	11	NS	NS	NS	NS	NS	NS	NS	18	NS	15	NS	NS	NS
	SMCL	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
B-923U	07-09-19																			
B-923U	11-05-19																			
B-923U	04-21-20																			
B-923U	07-16-20																			
B-923U	11-04-20																			
B-923U	04-20-21																			
B-923U	07-07-21																			
B-923U	11-02-21																			
B-923U	04-20-22																			
B-923U	07-12-22	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
B-923U	11-02-22																			
B-923U	04-19-23																			
B-923U	07-12-23																			
B-923U	11-06-23																			
B-923U	04-16-24																			
B-923U	07-23-24	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97
B-924U	07-09-19	<4.33	<4.33	<4.33	<4.33	<4.33	<4.33						<4.33		<4.33		<4.33			
B-924U	11-05-19																			
B-924U	04-21-20																			
B-924U	07-16-20																			
B-924U	11-04-20																			
B-924U	04-20-21																			
B-924U	07-07-21	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
B-924U	09-29-21	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
B-924U	11-02-21																			
B-924U	04-20-22																			
B-924U	07-12-22																			
B-924U	11-02-22																			
B-924U	04-19-23																			
B-924U	07-12-23																			
B-924U	11-07-23																			
B-924U	04-16-24																			
B-924U	07-23-24																			
B-924L	07-09-19																			
B-924L	11-05-19																			
B-924L	04-21-20																			
B-924L	07-16-20																			
B-924L	11-04-20																			
B-924L	04-20-21																			
B-924L	07-07-21																			
B-924L	11-02-21																			
B-924L	04-20-22																			
B-924L	07-12-22																			
B-924L	11-02-22																			
B-924L	04-19-23																			
B-924L	07-12-23																			
B-924L	11-06-23																			
B-924L	04-16-24																			
B-924L	07-23-24																			
B-925U	07-09-19																			
B-925U	11-05-19																			
B-925U	04-21-20																			
B-925U	07-16-20	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46
B-925U	11-04-20																			
B-925U	04-20-21																			
B-925U	07-07-21																			
B-925U	11-02-21																			
B-925U	04-20-22																			
B-925U	07-12-22																			
B-925U	11-02-22																			
B-925U	04-19-23																			
B-925U	07-12-23																			
B-925U	11-06-23																			
B-925U	04-15-24																			
B-925U	07-23-24																			
B-925L	07-09-19																			
B-925L	11-05-19																			
B-925L	04-21-20																			
B-925L	07-16-20																			
B-925L	11-04-20																			
B-925L	04-20-21																			
B-925L	07-07-21																			
B-925L	11-02-21																			
B-925L	04-20-22																			
B-925L	07-13-22																			
B-925L	11-02-22																			
B-925L	04-19-23																			
B-925L	07-12-23																			
B-925L	11-06-23																			
B-925L	04-15-24																			
B-925L	07-23-24																			
B-929U	11-02-22																			
B-929U	12-01-22	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
B-929U	03-20-23	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
B-929U	04-19-23																			
B-929U	07-12-23																			
B-929U	11-07-23																			
B-929U	04-15-24																			
B-929U	07-23-24	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98
B-929L	11-02-22																			
B-929L	12-01-22	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
B-929L	03-20-23	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
B-929L	04-19-23																			
B-929L	07-12-23																			
B-929L	11-07-23																			
B-929L	04-15-24																			
B-929L	07-23-24																			
Minimum Detection		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Detection		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Median of Detections		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5th Percentile of Detections		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
95th Percentile of Detections		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Typical Reporting Limit for All NDs		<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<1.5-<2.5
Site-Specific Background Value		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Selected Background Concentration																				

TABLE A.1
Calculation of Background Concentrations – Groundwater
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Location	Date	Per- and Polyfluoroalkyl Substances Concentrations in ng/L					
		1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	Perfluorooctanesulfonamide (FOSA)	N-methyl perfluorooctane sulfonamide (MeFOSA)	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (EtFOSAA)	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)
GW-1 (AGQS)		NS	NS	NS	NS	NS	NS
SMCL		NS	NS	NS	NS	NS	NS
B-923U	07-09-19						
B-923U	11-05-19						
B-923U	04-21-20						
B-923U	07-16-20						
B-923U	11-04-20						
B-923U	04-20-21						
B-923U	07-07-21						
B-923U	11-02-21						
B-923U	04-20-22						
B-923U	07-12-22	<4	<4	<4	<20	<4	<4
B-923U	11-02-22						
B-923U	04-19-23						
B-923U	07-12-23						
B-923U	11-06-23						
B-923U	04-16-24						
B-923U	07-23-24	<1.97	<1.97	<1.97	<3.94	<1.97	<1.97
B-924U	07-09-19						
B-924U	11-05-19						
B-924U	04-21-20						
B-924U	07-16-20						
B-924U	11-04-20						
B-924U	04-20-21						
B-924U	07-07-21	<4	<4	4.1	<20	<4	<4
B-924U	09-29-21	<4	<4	<4	<20	<4	<4
B-924U	11-02-21						
B-924U	04-20-22						
B-924U	07-12-22						
B-924U	11-02-22						
B-924U	04-19-23						
B-924U	07-12-23						
B-924U	11-07-23						
B-924U	04-16-24						
B-924U	07-23-24						
B-924L	07-09-19						
B-924L	11-05-19						
B-924L	04-21-20						
B-924L	07-16-20						
B-924L	11-04-20						
B-924L	04-20-21						
B-924L	07-07-21						
B-924L	11-02-21						
B-924L	04-20-22						
B-924L	07-12-22						
B-924L	11-02-22						
B-924L	04-19-23						
B-924L	07-12-23						
B-924L	11-06-23						
B-924L	04-16-24						
B-924L	07-23-24						
B-925U	07-09-19						
B-925U	11-05-19						
B-925U	04-21-20						
B-925U	07-16-20	<4.46	<4.46	<4.46	<22.3	<4.46	<4.46
B-925U	11-04-20						
B-925U	04-20-21						
B-925U	07-07-21						
B-925U	11-02-21						
B-925U	04-20-22						
B-925U	07-12-22						
B-925U	11-02-22						
B-925U	04-19-23						
B-925U	07-12-23						
B-925U	11-06-23						
B-925U	04-15-24						
B-925U	07-23-24						
B-925L	07-09-19						
B-925L	11-05-19						
B-925L	04-21-20						
B-925L	07-16-20						
B-925L	11-04-20						
B-925L	04-20-21						
B-925L	07-07-21						
B-925L	11-02-21						
B-925L	04-20-22						
B-925L	07-13-22						
B-925L	11-02-22						
B-925L	04-19-23						
B-925L	07-12-23						
B-925L	11-06-23						
B-925L	04-15-24						
B-925L	07-23-24						
B-929U	11-02-22						
B-929U	12-01-22	<4	<4	<4	<20	<4	<4
B-929U	03-20-23	<4	<4	<4	<20	<4	<4
B-929U	04-19-23						
B-929U	07-12-23						
B-929U	11-07-23						
B-929U	04-15-24						
B-929U	07-23-24	<1.98	<1.98	<1.98	<3.96	<1.98	<1.98
B-929L	11-02-22						
B-929L	12-01-22	<4	<4	<4	<20	<4	<4
B-929L	03-20-23	<4	<4	<4	<20	<4	<4
B-929L	04-19-23						
B-929L	07-12-23						
B-929L	11-07-23						
B-929L	04-15-24						
B-929L	07-23-24						
Minimum Detection		ND	ND	4.1	ND	ND	ND
Maximum Detection		ND	ND	4.1	ND	ND	ND
Median of Detections		–	–	4.1		–	–
5th Percentile of Detections		–	–	4.1		–	–
95th Percentile of Detections		–	–	4.1		–	–
Typical Reporting Limit for All NDs		<1.5-<2.5	<1.5-<2.5	<1.5-<2.5	<3.5-<4.5	<1.5-<2.5	<1.5-<2.5
Site-Specific Background Value		–	–	–		–	–

Selected Background Concentration

Notes:

1. Samples were collected by Sanborn Head on the dates indicated. Samples were analyzed by Eastern Analytical, Inc. (EAI) of Concord, New Hampshire.
Field duplicate samples are indicated by "Dup."

2. pH is presented in standard units (s.u.), specific conductance is presented in microSiemens per centimeter (µS/cm), and temperature is presented in degrees Celsius (°C). Indicator parameter and metals results are presented in milligrams per liter (mg/L) which is equivalent to parts per million. Volatile organic compound (VOC) and semi-volatile organic compound (SVOC) results are presented in micrograms per liter (µg/L) which is equivalent to parts per billion (ppb). Per- and polyfluoroalkyl substances (PFAS) results are presented in nanograms per liter (ng/L) which is equivalent to parts per trillion (ppt).

3. "<" indicates the analyte was not detected above the listed laboratory reporting limit.
"§" indicates background value for bromide is 0.4 mg/L for wells within the groundwater management zone (GMZ) established for the site, and 0.1 mg/L for wells outside the GMZ.
[3] = number of carbons in the alkyl chain for perfluorinated carboxylic acids (PFCAs). The carbon included in the carboxylic functional group is non-fluorinated and the remaining carbons (i.e., alkyl chain) are fluorinated.
[4S] = number of carbons in the alkyl chain for perfluorinated sulfonic acids (PFSAs). All of the carbons are fluorinated.

4. "GW-1" Groundwater Standards are from the New Hampshire Department of Environmental Services (NHDES) Contaminated Sites Risk Characterization and Management Policy (RCMP) (January 1998, with 2000 through 2018 revisions/addenda). GW-1 Groundwater Standards are intended to be equivalent to the AGQSs promulgated in Env-Or 600 (June 2015 with October 2016, September 2018, September 2019, May 2020, January 2021, and July 2021 amendments). For analytes where GW-1 and AGQS values differ, the values presented in this table reflect the AGQSs in the latest Env-Or 600 update. The AGQS/GW-1 Groundwater Standards are intended to be protective of groundwater as a source of drinking water.

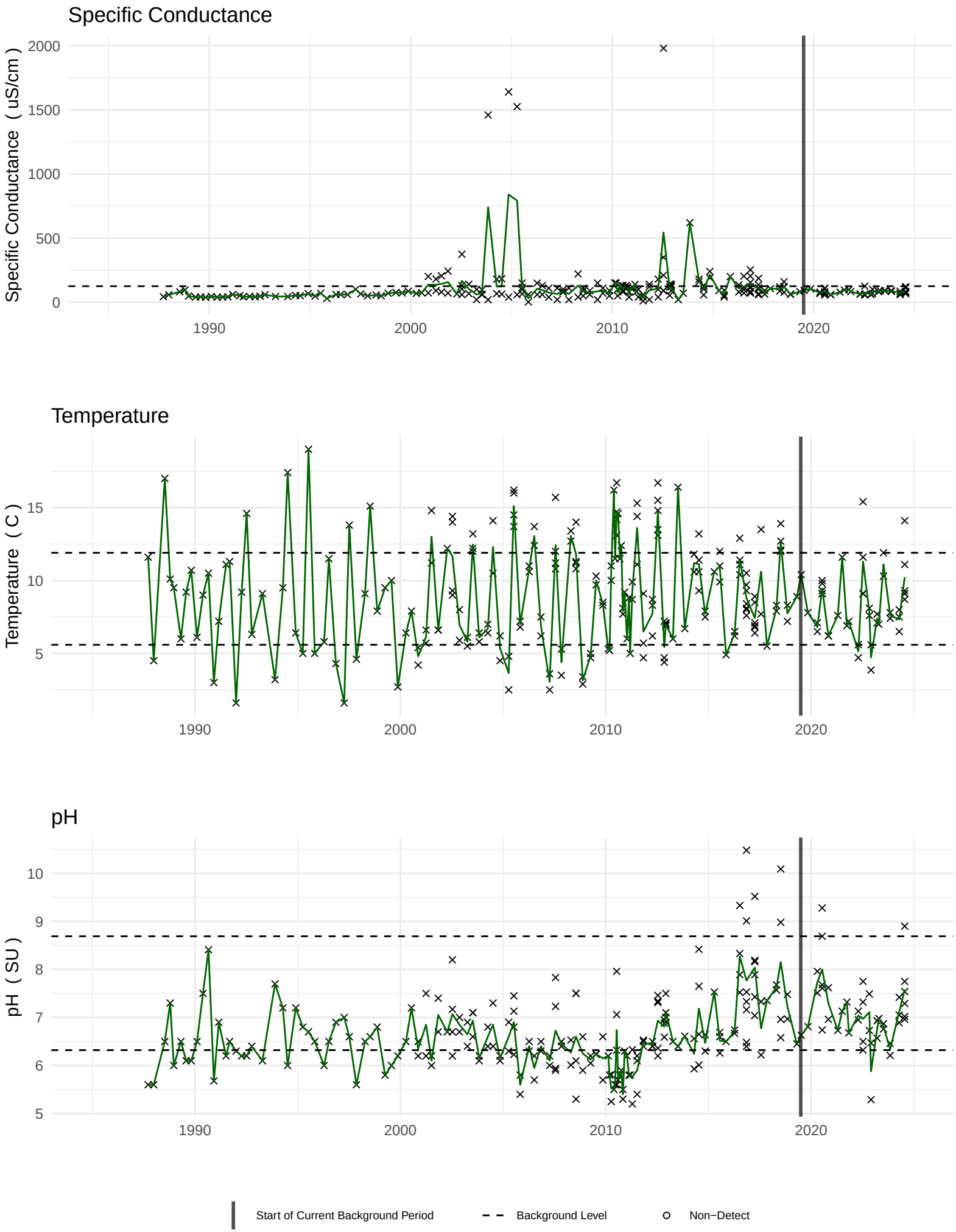
"SMCL" refers to the USEPA Secondary Maximum Contaminant Levels as presented in the National Primary Drinking Water Standards (May 2009). The SMCLs are established as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These analytes are not considered to present a risk to human health at the SMCL.

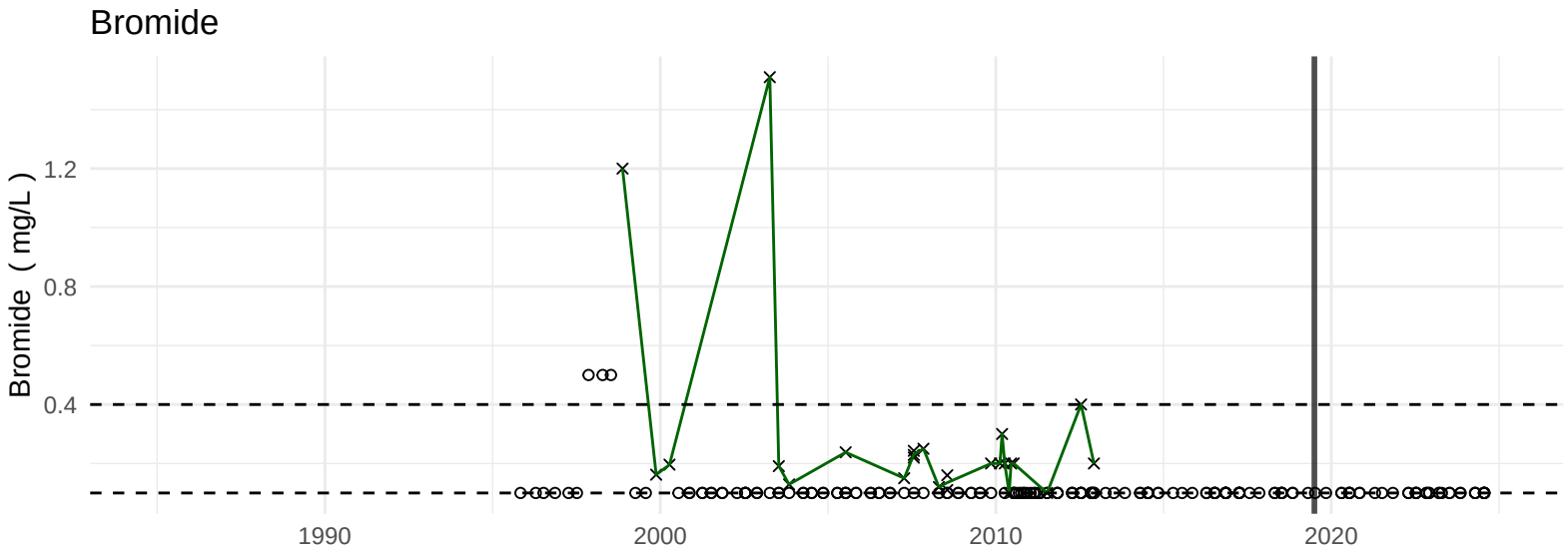
5. **Bold** values exceed the GW-1 Groundwater Standard (or SMCL if no GW-1 Groundwater Standard is available) for that analyte.
Green shading indicates the calculated background concentration.

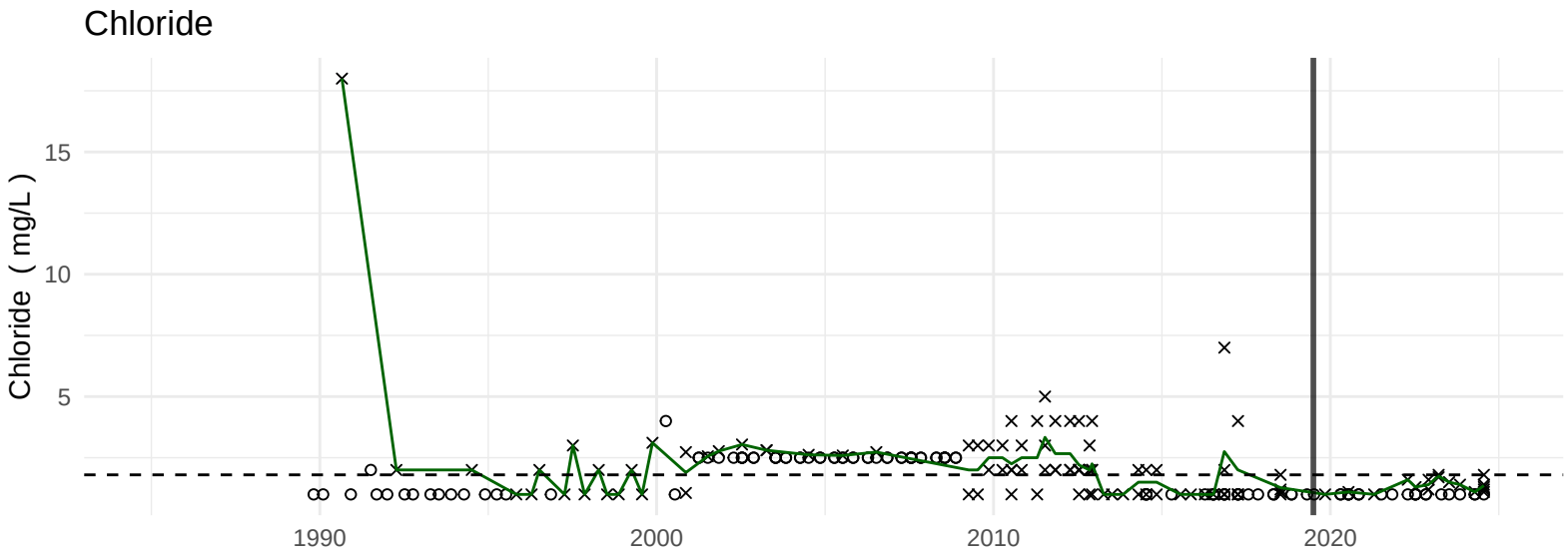
6. Appendix A.1 includes a description of the assessment of background groundwater conditions at the NCES Landfill. Appendix A.1 also includes a discussion of the selection of monitoring wells used to develop background groundwater values, as well as the period of record used to identify background values for the current reporting period.

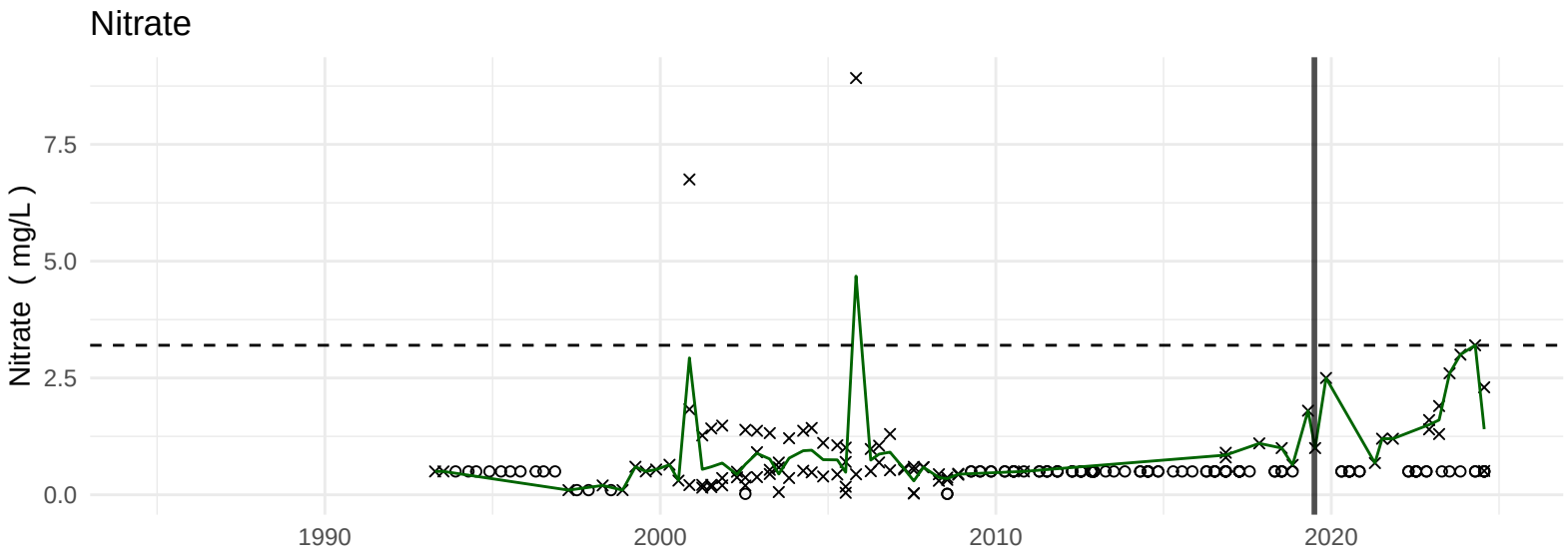
Appendix A.2

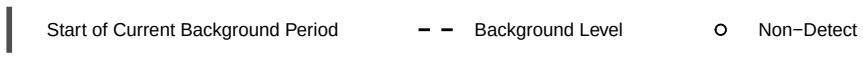
Site Background Groundwater Quality Time-Series Plots

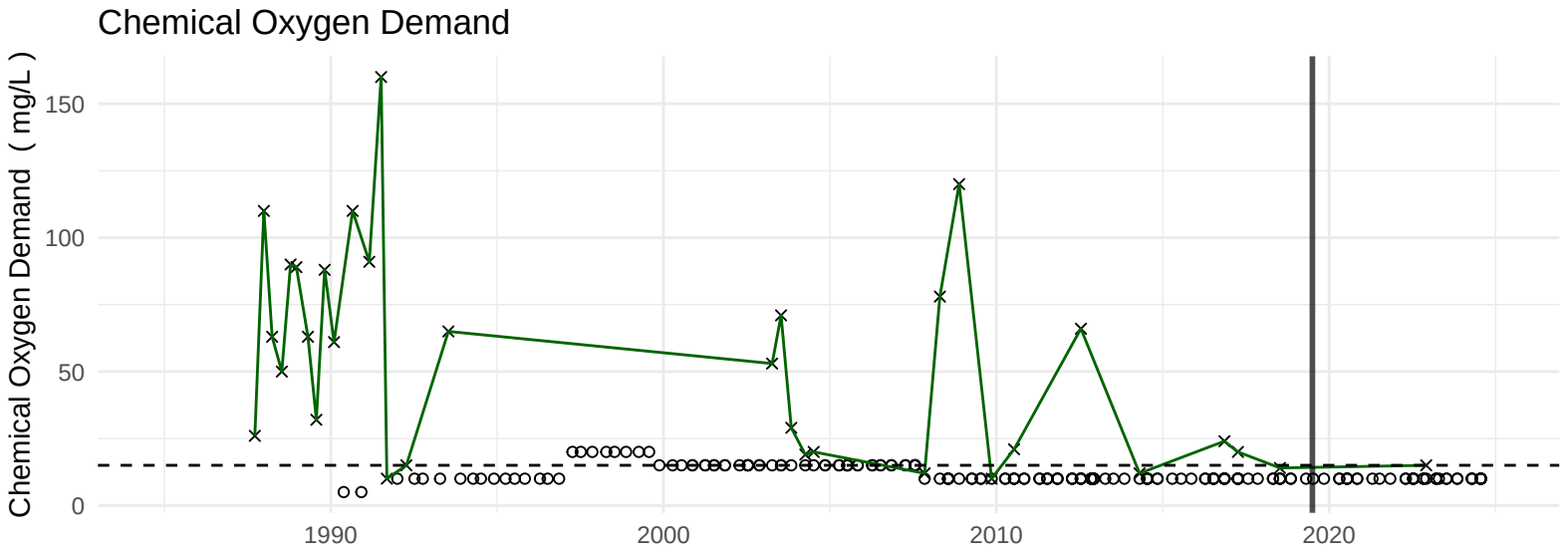

Specific Conductance
Specific Conductance (uS/cm)
2000
1500
1000
500
0
1990
2000
2010
2020
Temperature
Temperature (C)
15
10
5
1990
2000
2010
2020
pH
pH (SU)
10
9
8
7
6
5
1990
2000
2010
2020
Start of Current Background Period
Background Level
Non−Detect

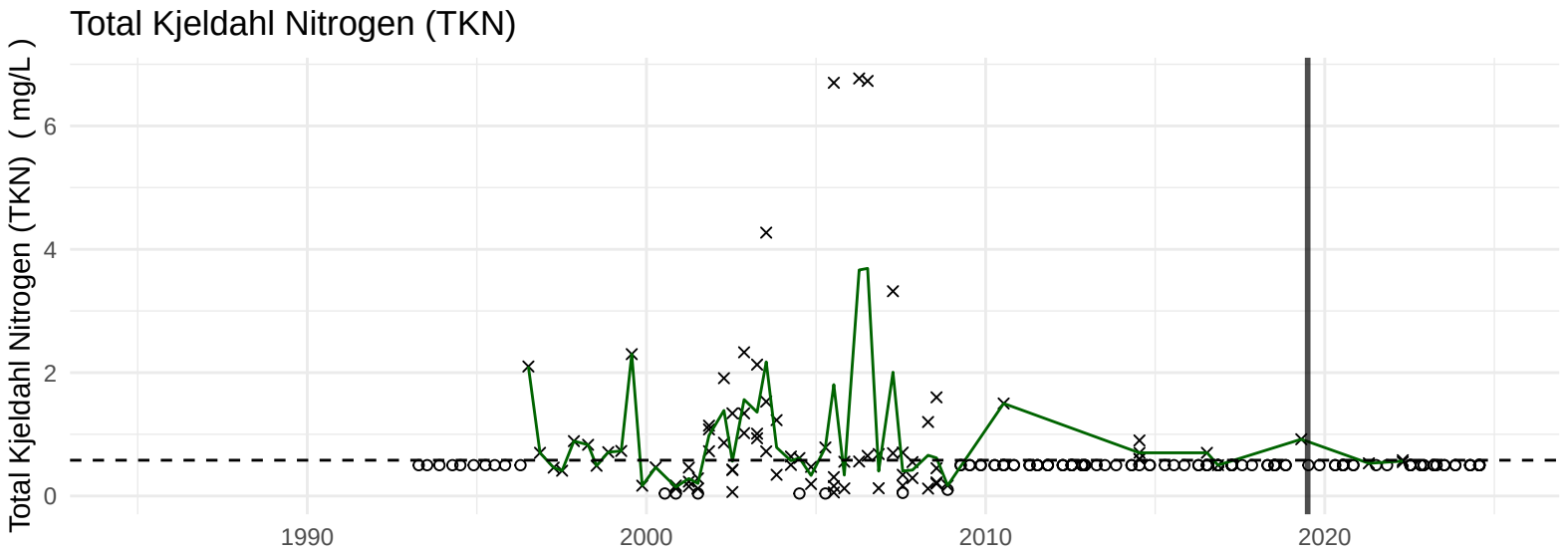

Bromide
Bromide (mg/L)
1.2
0.8
0.4
1990
2000
2010
2020

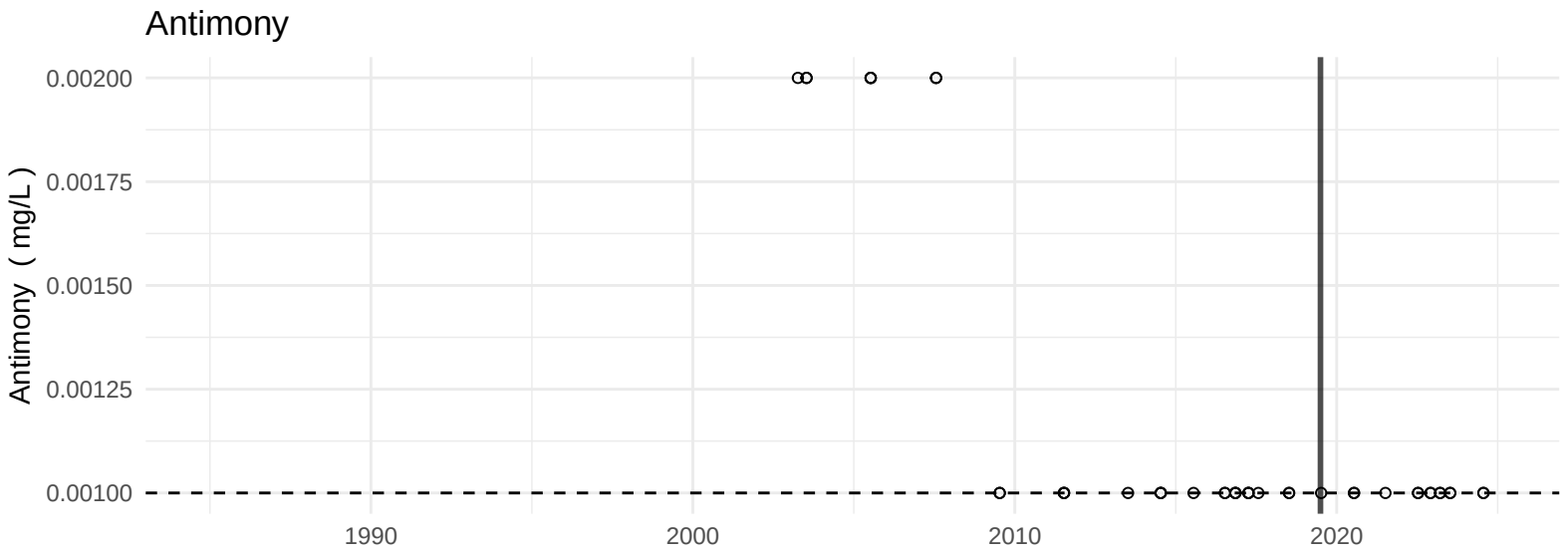

Chloride
Chloride (mg/L)
15
10
5
1990
2000
2010
2020

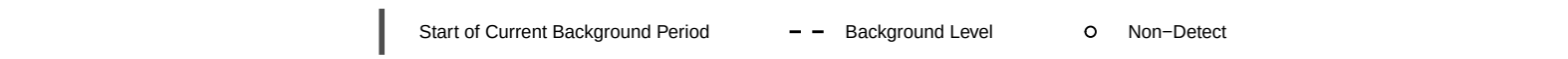

Nitrate
Nitrate (mg/L)
7.5
5.0
2.5
0.0
1990
2000
2010
2020

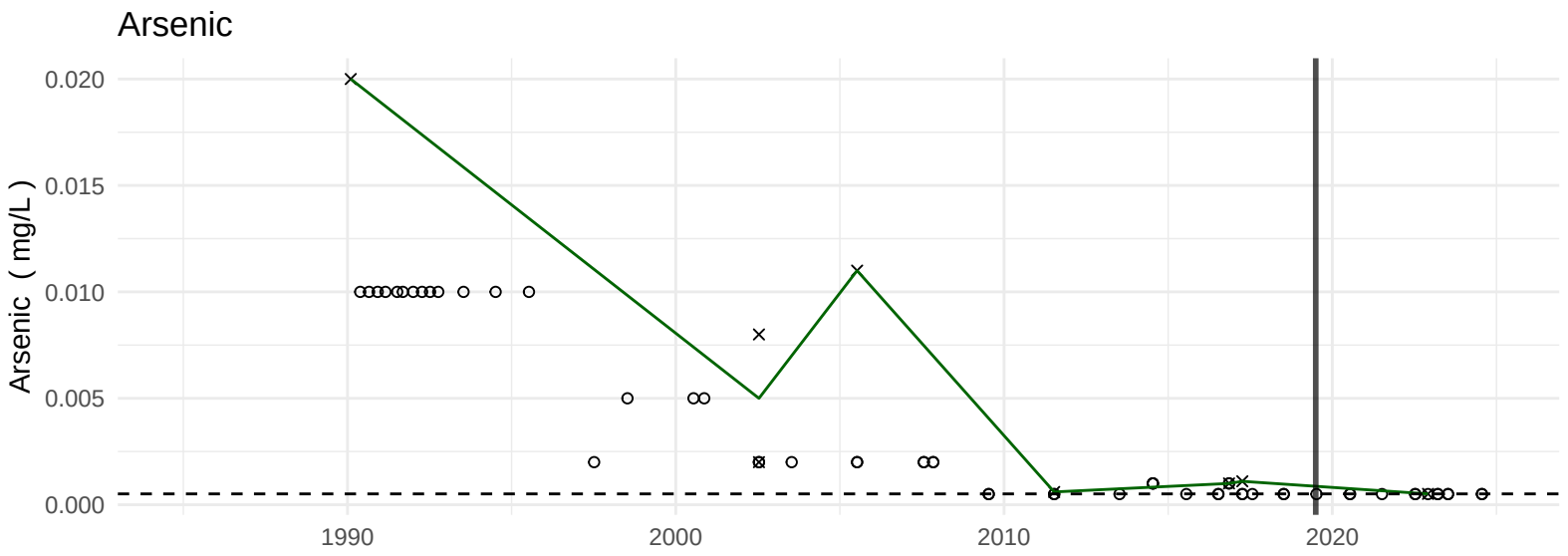

Start of Current Background Period
Background Level
Non−Detect

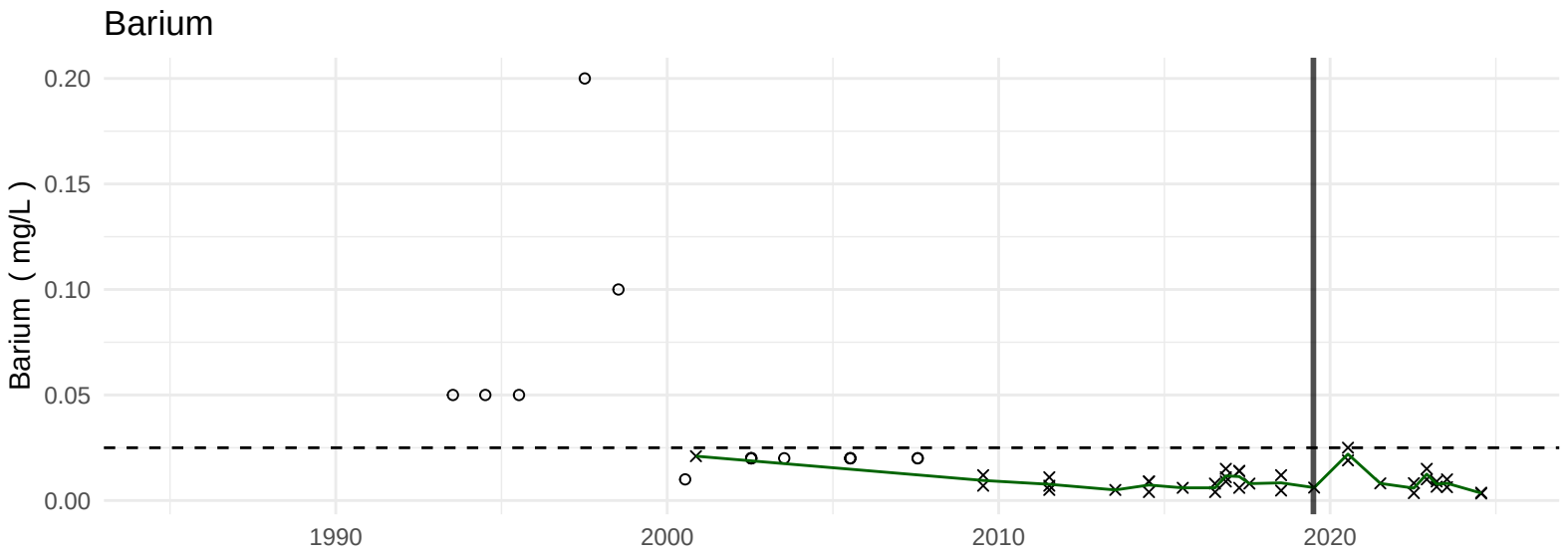

Chemical Oxygen Demand
Chemical Oxygen Demand (mg/L)
150
100
50
0
1990
2000
2010
2020

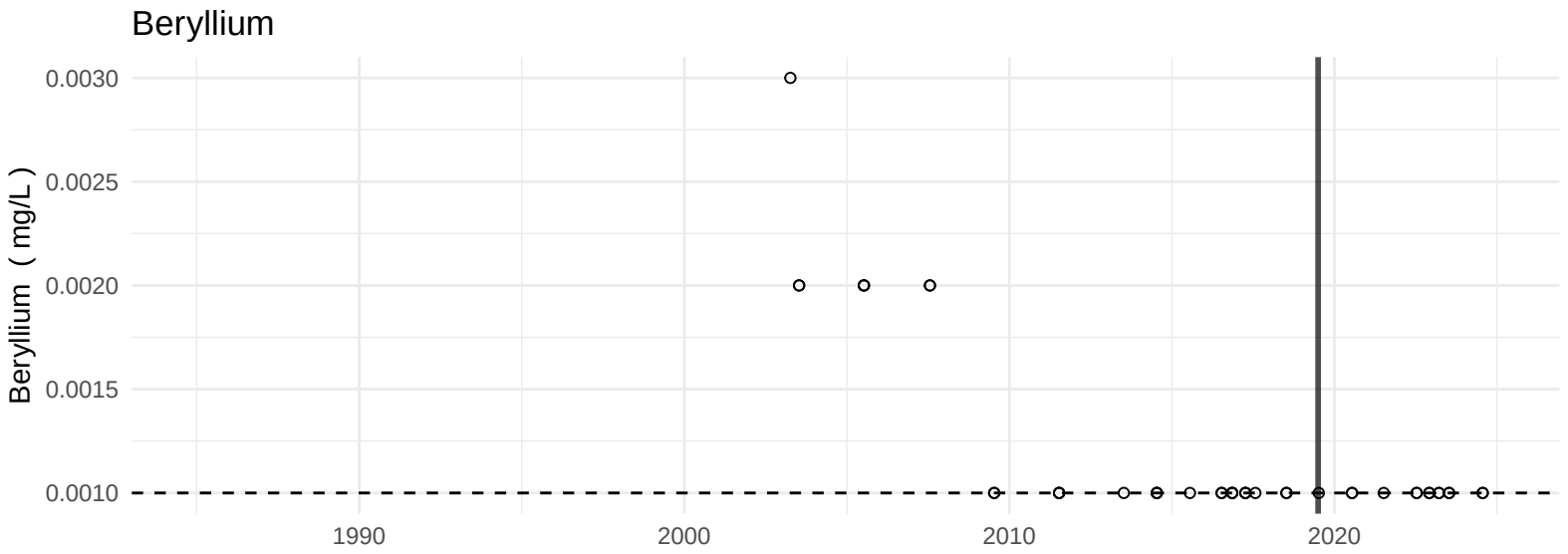

Total Kjeldahl Nitrogen (TKN)
Total Kjeldahl Nitrogen (TKN) (mg/L)
6
4
2
0
1990
2000
2010
2020


Antimony
Antimony (mg/L)
0.00200
0.00175
0.00150
0.00125
0.00100
1990
2000
2010
2020

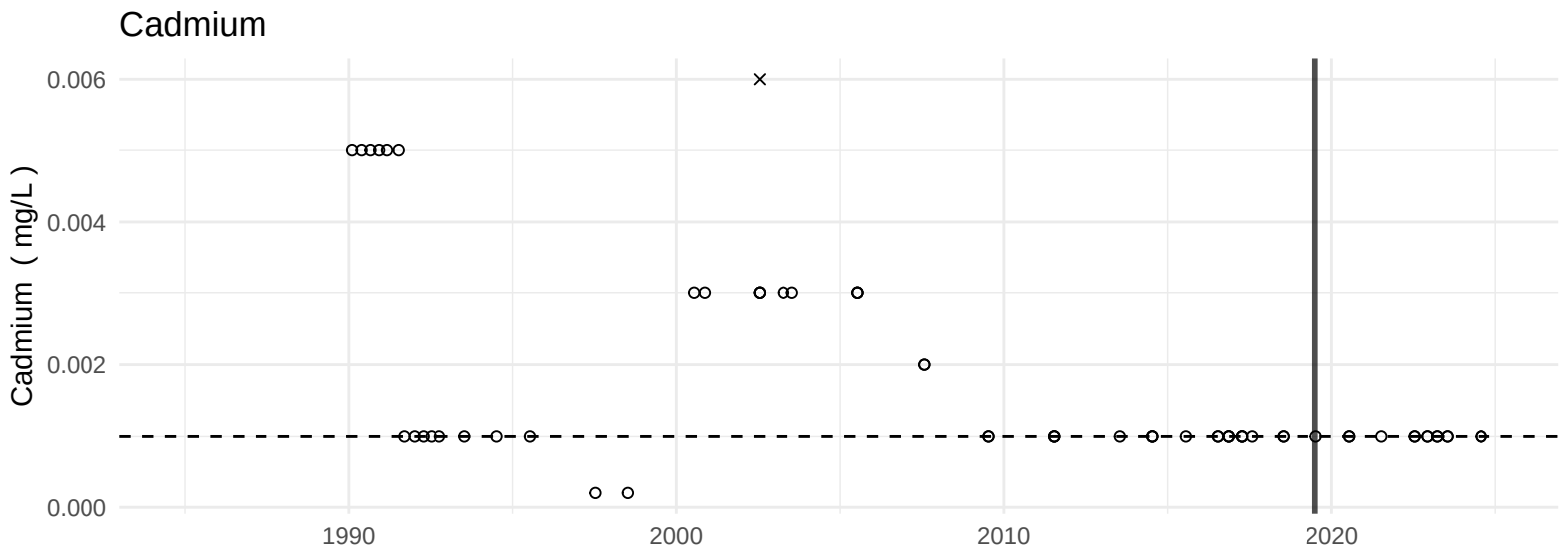

Start of Current Background Period
Background Level
Non−Detect

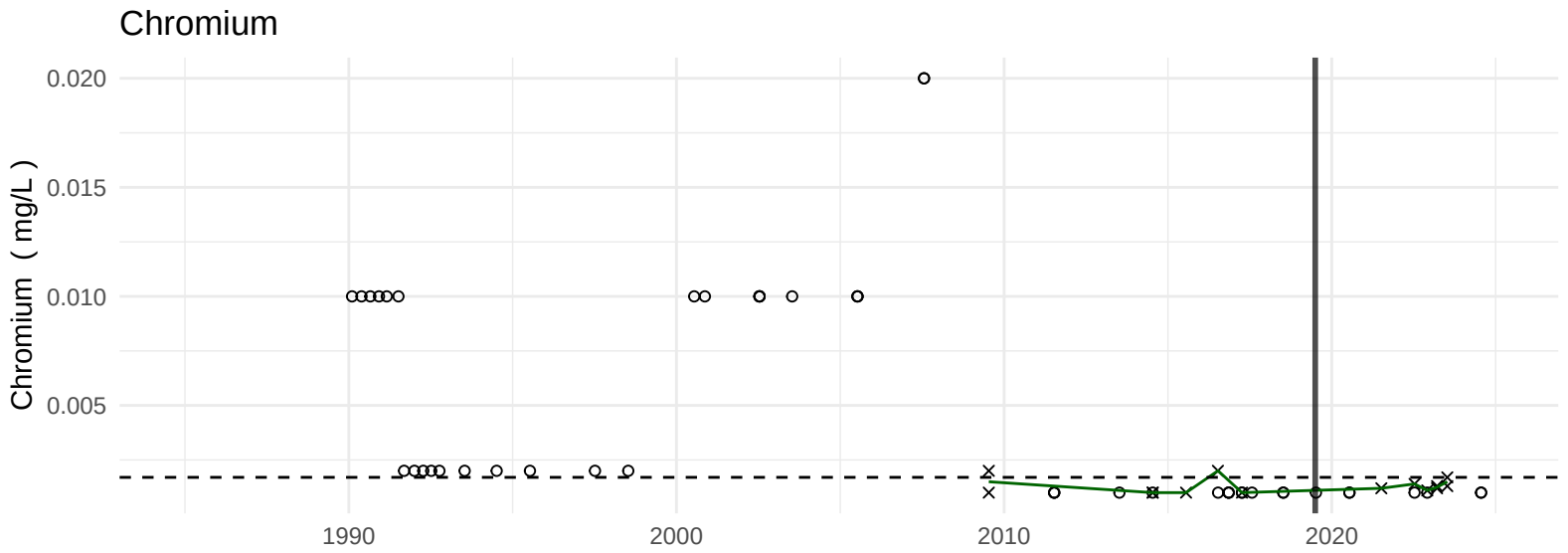


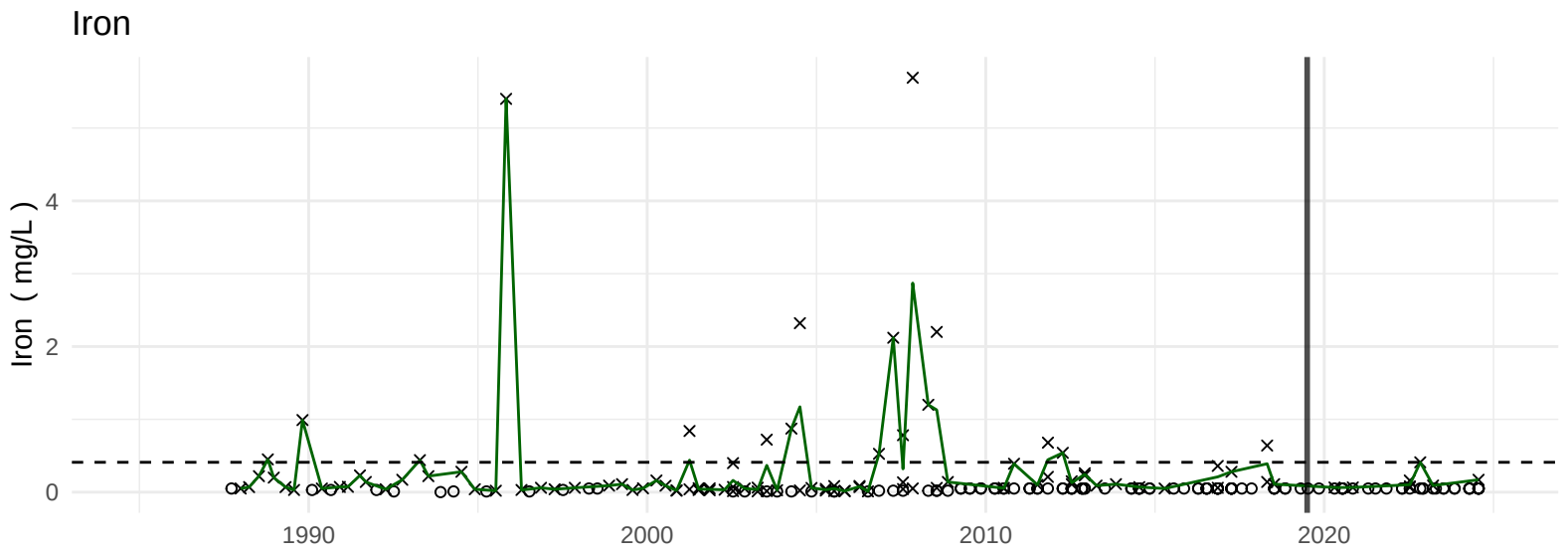


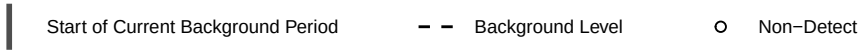


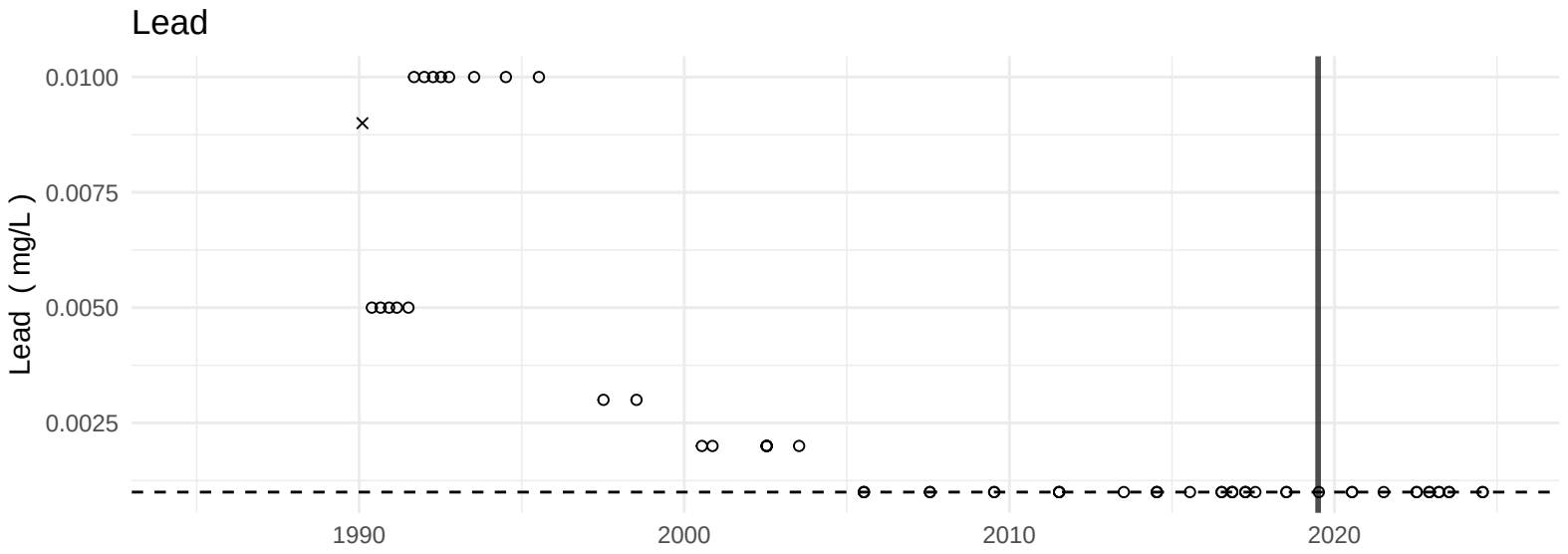
Start of Current Background Period Background Level Non−Detect

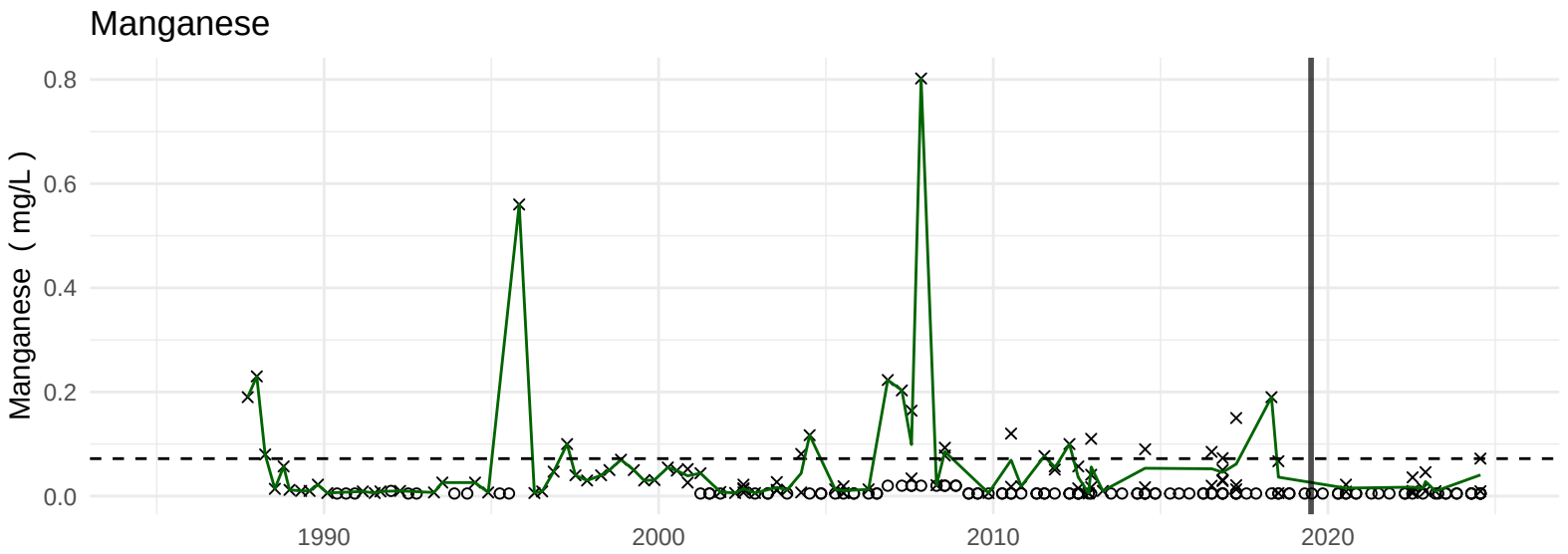

Cadmium
Cadmium (mg/L)
0.006
0.004
0.002
0.000
1990
2000
2010
2020

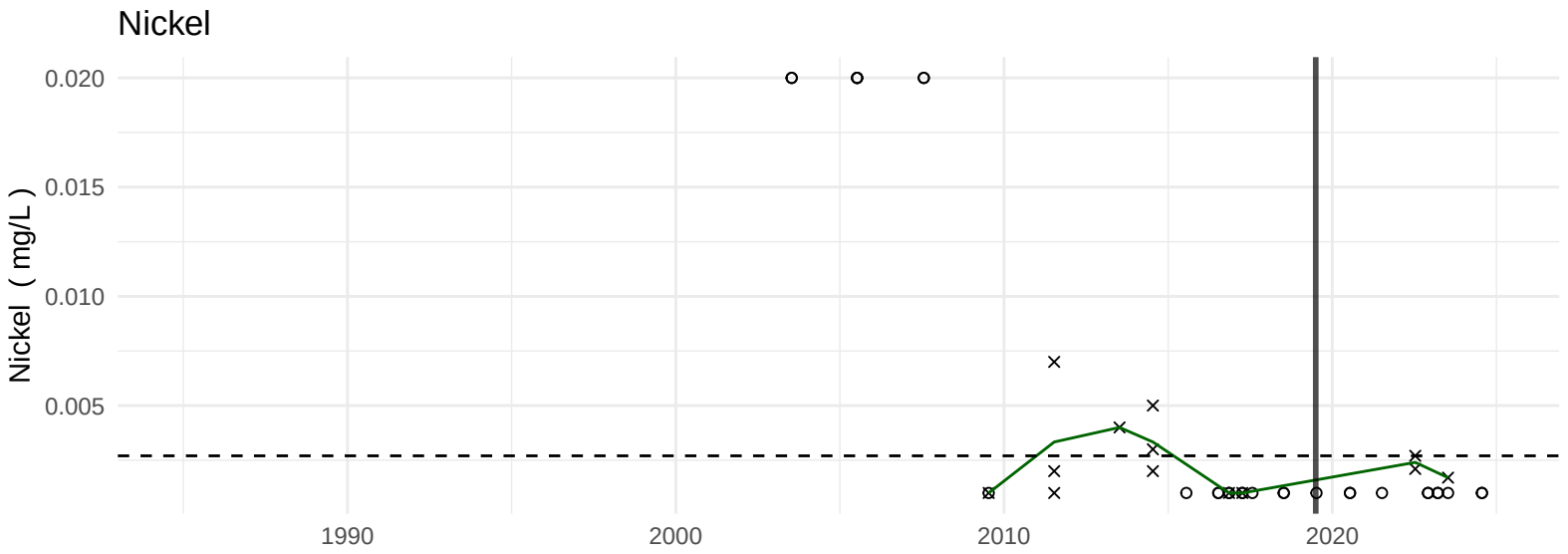

Chromium
Chromium (mg/L)
0.020
0.015
0.010
0.005
1990
2000
2010
2020

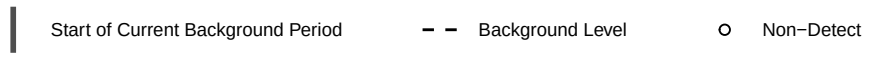

Iron
Iron (mg/L)
4
2
0
1990
2000
2010
2020

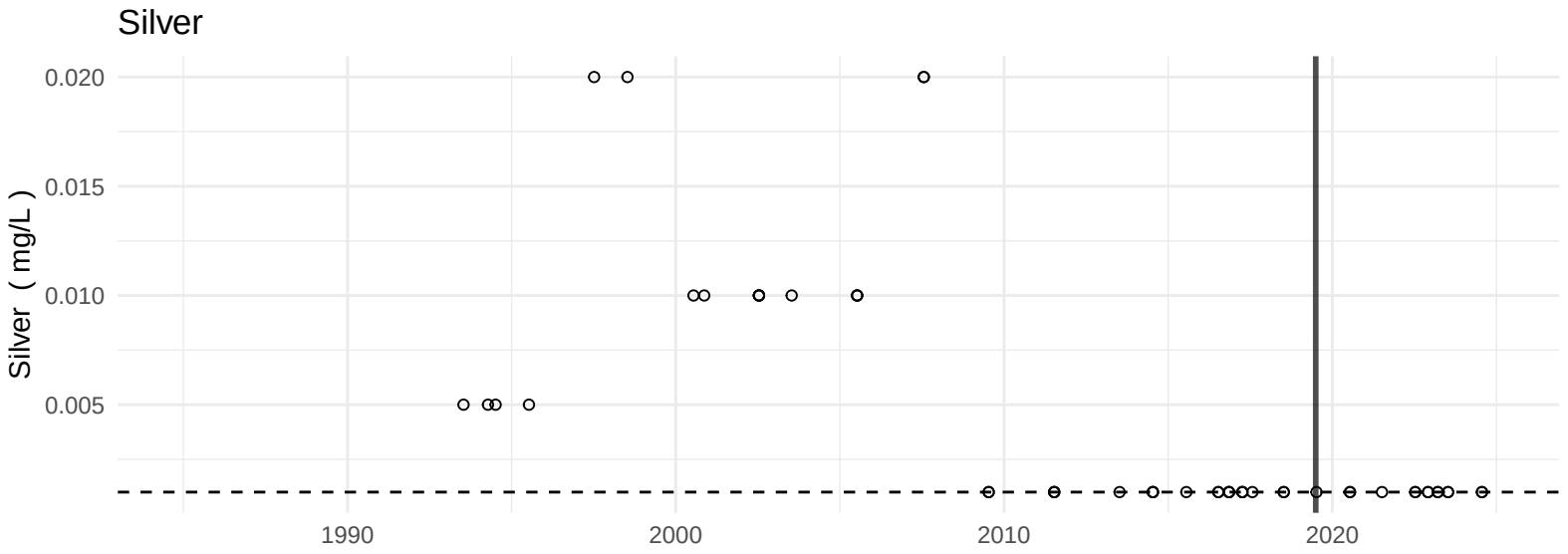

Start of Current Background Period
Background Level
Non−Detect

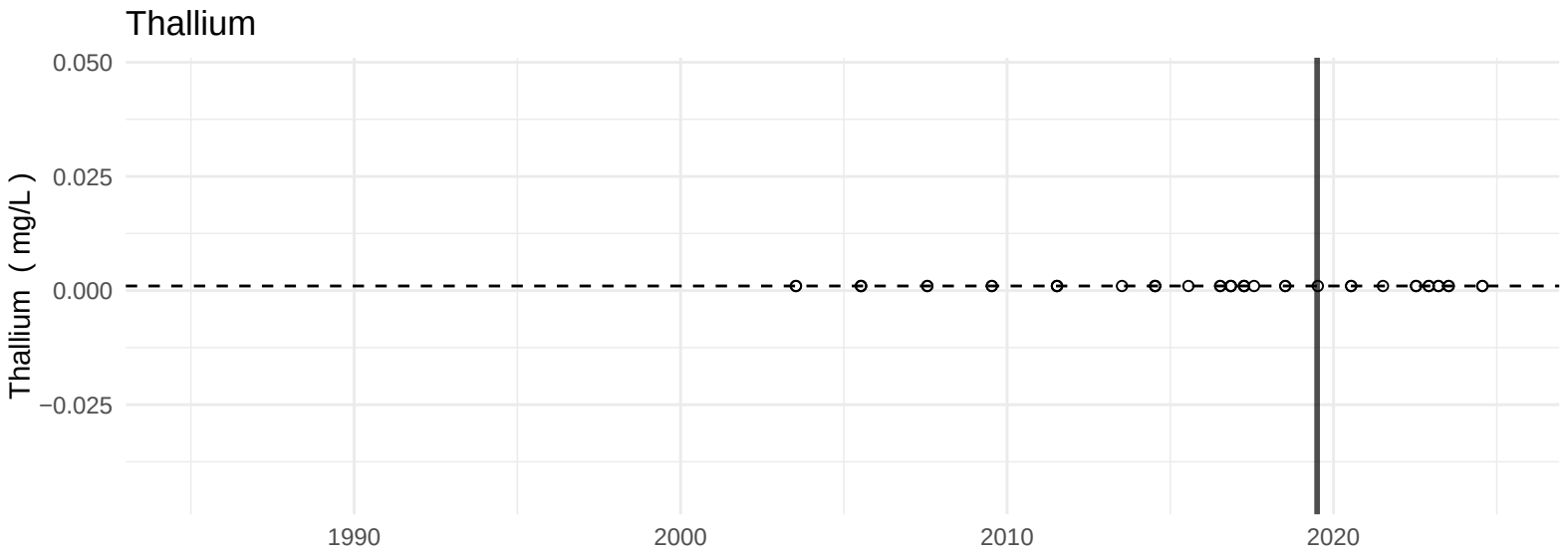

Lead
Lead (mg/L)
0.0100
0.0075
0.0050
0.0025
1990
2000
2010
2020

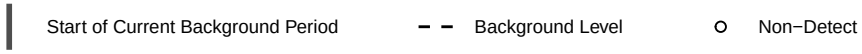

Manganese
Manganese (mg/L)
0.8
0.6
0.4
0.2
0.0
1990
2000
2010
2020


Nickel
Nickel (mg/L)
0.020
0.015
0.010
0.005
1990
2000
2010
2020


Start of Current Background Period
Background Level
Non−Detect


Silver
0.020
0.015
0.010
0.005
Silver (mg/L)
1990
2000
2010
2020


Thallium
0.050
0.025
0.000
−0.025
Thallium (mg/L)
1990
2000
2010
2020


Start of Current Background Period
Background Level
Non−Detect

Appendix A.3

Exploration Location Plan (with decommissioned locations)

File:P:\2600s\2637.11\Graphics Files\CAD\GW Mon Rpt July2024\GW_Mon_FigsJuly24.dwg Plot Date: 8-20-24

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NOTES:

1. THE AERIAL IMAGERY WAS OBTAINED FROM A JUNE 2022 PHOTOGRAPH PROVIDED BY CMA ENGINEERS, INC. THE JUNE 2022 AERIAL IMAGE WAS ORTHORECTIFIED TO DISPLAY TOGETHER WITH THE MONITORING WELL NETWORK.

2. TOPOGRAPHY INSIDE THE ACTIVE AREA WAS OBTAINED FROM AN APRIL 2022 SURVEY. OUTSIDE THE ACTIVE AREA, TOPOGRAPHY WAS OBTAINED FROM SURVEYS PERFORMED IN OCTOBER 2018 AND MAY 2021.

3. THE LIMITS OF THE GMZ ARE BASED ON AN OCTOBER 2017 PLAN PREPARED BY HORIZONS ENGINEERING, INC. ENTITLED "GROUND WATER MANAGEMENT ZONE PLAN FOR LANDS OF NORTH COUNTRY ENVIRONMENTAL SERVICES, INC. AND FOREST ACQUISITIONS, INC."

LEGEND:

- FACILITY MONITORING WELL
- HISTORICAL MONITORING WELL, PIEZOMETER, OR SOIL BORING NOT INCLUDED IN PERMIT MONITORING. WELLS WITHIN THE LIMIT OF LINED AREA ARE NO LONGER PRESENT; WELLS OUTSIDE THE LINED AREA MAY NO LONGER BE VIABLE
- HISTORICAL SOIL BORING
- SURFACE WATER SAMPLING LOCATION
- U/S — INDICATES UPPER/SHALLOW WELL
- M — INDICATES SCREEN AT MIDDLE INTERVAL BETWEEN UPPER AND LOWER SCREENS
- D/L — INDICATES DEEP/LOWER WELL
- R — INDICATES REPLACEMENT WELL
- RIP-RAP STONE
- LIMIT OF WETLAND DELINEATION
- GROUNDWATER MANAGEMENT ZONE
- TOWN OF BETHLEHEM ZONING LINE
- PROPERTY LINE

AR-3
TIE COURSE S 70°46'29" E 844.45'
FLOW
AMMONOOSUC RIVER
S-109
AR-2
AR-1
SF-1
S-108
MUCHMORE ROAD
S-101
B-928U
B-928D
S-1 (MAIN SEEP)
OUTFALL 2
TBP-1
B932L
B932U
B-304UR
B-304DR
MW-604
LAUREL LANE
B-910
B-304
PZ-A
SG-POND4
LIMIT OF WETLANDS DELINEATED BY B.H. KEITH ASSOCIATES IN APRIL 1999
B-911
STORMWATER POND 4
PZ-B
B-919M
B-919U
B-919D
B-927M
B-927U
B-921L
B-927L
B-921M
B-921U
B-909
B-917D
B-917U
OUTFALL 1
B-918D
B-918U
B-918M
MW-803
B-916M
B-916U
B-916D
B-908
B-10
MW-802
B-907
STAGE IV
PHASE I
TOWN DISTRICT II
TOWN DISTRICT V
B-303
B-303
B-103S
B-920U
B-920M
B-920D
BP-1
BP-1
B-103D
STORMWATER POND 5
B-915M
B-915U
B-915D
STAGE V
PHASE I
MW-801
B-905
PHASE II
B-913M
B-906
B-913U
B-913L
B-302
B-4
PHASE II
B-102S
B-931L
B-931U
B-926L
B-926U
B-102D
B-1
B-914L
MW-403U/L
B-914U
STORMWWATER POND 6
B-301U/M/L
STAGE II
TBP-4
MW-402U
P-4
B-3
MW-402LR
B-205
PHASE I
B-922L
MW-405U/L
B-305
B-922U
B-204
MW-603
APPROXIMATE EXTENT OF FORMER UNLINED LANDFILL
B-2
MW-701
P-1
MW-406U/L
B-104
B-930U
B-203
B-904U/L
STAGE I
B-930L
PHASE I
P-2
P-6
STAGE III
B-206
B-202
PHASE III
PHASE II
STAGE IV
PHASE II
PHASE IV
B-903U/L
P-7
B-503
P-3
P-5
B-306
B-929U
B-201
B-929L
B-307
B-902L
MW-401
B-902U
B-901UR/L
STAGE VI
BP-2
B-925U
B-925L
B-924L
B-924U
B-923U

SANBORN HEAD

GRAPHICAL SCALE
100' 50' 0 100' 200'

DRAWN BY:	E. WRIGHT
DESIGNED BY:	G. PANIK
REVIEWED BY:	T. WHITE
PROJECT MGR:	M. ESTABROOKS
PIC:	T. WHITE
DATE:	AUGUST 2024

NORTH COUNTRY ENVIRONMENTAL SERVICES, INC.
BETHLEHEM, NEW HAMPSHIRE

PROJECT NUMBER: 2637.11

EXPLORATION LOCATION PLAN
(WITH DECOMMISSIONED LOCATIONS)

FIGURE NUMBER: A-1

Appendix B

Summary of Historical Monitoring Data

APPENDIX B
TABLE NOTES

Not all notes stated may apply to all tables referenced.

Tables B.1A & B.1B:

1. Sampling performed prior to November 1993 was performed and tabulated by GZA GeoEnvironmental, Inc. of Manchester, New Hampshire. Subsequent sampling and tabulation was performed by Sanborn Head.

2. Elevations are referenced to NAVD 88. To convert to old site datum subtract 6.83 feet.

3. Refer to previous annual reports for historical (generally prior to 2009) reference elevations for locations indicated with a "-".

Tables B.2 & B.3:

1. Samples through July 1993 were collected by GZA GeoEnvironmental, Inc. of Manchester, New Hampshire. Subsequent samples were collected by Sanborn Head. Dates indicated prior to 2009 are the first date of the given sampling round.

   Samples through July 1991 were analyzed by Resource Analysts, Inc. of Hampton, New Hampshire.
   Samples from September 1991 through November 1996 were analyzed by Eastern Analytical, Inc. (EAI) of Concord, New Hampshire.

   Samples from April 1997 through July 1999 were analyzed by SciTest Laboratory Services of Randolph, Vermont.

   Samples from November 1999 through December 2008 were analyzed by Endyne, Inc. (Endyne) of Williston, Vermont.

   Samples from December 2008 through current were analyzed by EAI.

   Where indicated, samples were split and analyzed by both Endyne, Inc. (Endyne) of Williston, Vermont and Eastern Analytical, Inc. (EAI) of Concord, New Hampshire.

2. A sample type of “N” indicates a normal sample. A sample type of “FD” indicates a field duplicate sample.

   A fraction of “T” indicates a total (unfiltered) metals analysis; a fraction of “D” indicates a dissolved (filtered) metals analysis; and a fraction type of “N” indicates not applicable for non-metals results.

3. Only those analytes detected one or more times are presented herein. Refer to the analytical laboratory reports for the complete list of parameters analyzed.

4. Blank cells for data collected after 2008 indicate analyte not analyzed on date indicated. Blank cells for data 2008 and older indicate sample was not analyzed for field/indicator parameters and metals, and either the sample was not submitted for laboratory analysis of volatile organic compounds (VOCs) and semi-volatile organic compound (SVOCs), or results were not reported electronically for VOCs and SVOCs. Refer to previous submittals to NHDES for 2008 and older data.

5. Groundwater elevation is presented in feet (ft), pH is presented in standard units (s.u.), specific conductance is presented in microSiemens per centimeter (µS/cm), and temperature is presented in degrees Celsius (°C). Indicator parameter and metals results are presented in milligrams per liter (mg/L) which is equivalent to parts per million. VOC and SVOC results are presented in micrograms per liter (µg/L) which is equivalent to parts per billion (ppb).

6. "<" indicates the analyte was not detected above the listed laboratory reporting limit.

7. "GW-1" refers to the New Hampshire GW-1 Groundwater Standards as defined in New Hampshire Department of Environmental Services (NHDES) Contaminated Sites Risk Characterization and Management Policy (RCMP) (January 1998, with 2000 through 2018 revisions/addenda). GW-1 Groundwater Standards are intended to be equivalent to the Ambient Groundwater Quality Standards (AGQSs) promulgated in Env-Or 600 (June 2015 with October 2016, September 2018, September 2019, May 2020, January 2021, and July 2021 amendments). For analytes where GW-1 and AGQS values differ, the values presented in this table reflect the AGQSs in the latest Env-Or 600 update. The AGQS/GW-1 Groundwater Standards are intended to be protective of groundwater as a source of drinking water.

   "SMCL" refers to the USEPA Secondary Maximum Contaminant Levels as presented in the National Primary Drinking Water Standards (May 2009). The SMCLs are established as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These analytes are not considered to present a risk to human health at the SMCL.

   "Aquatic Life Fresh" and Human Health" refers to the New Hampshire Water Quality Criteria for Toxic Substances as defined in Env-Wq 1703.21 and contained in Table 1703.1 Water Quality Criteria for Toxic Substances (December 2016). Chromium criteria are for chromium VI (on top) and chromium III (on bottom). Footnotes from Table 1703.1 which appear above:

   (b) The letter "b" shall indicate that the criteria refer to the inorganic form only.

   (c) The letter “c” shall indicate that these criteria for the protection of human health are based on carcinogenicity using a risk factor of one in 1,000,000, while the human

health criteria without this footnote are based on systemic toxicity. Other risk factors shall be allowed only as specified in Env-Wq 1703.20.

(d) The letter "d" shall indicate that criteria for these metals are expressed as a function of the water effect ratio (WER) as defined in 40 CFR 131.36(c), and that because the values displayed in Table 1703-1 correspond to a WER of 1.0, metals criteria for different WERs shall be determined using the procedures described in the EPA publication "Interim Guidance on Determination and Use of Water-Effect Ratios for Metals", EPA-823-B-94-001, dated February 1994, available as noted in Appendix B, provided that for copper, either of the following references, both available as noted in Appendix B, may be used:

(1) The "Streamlined Water-Effect Ratio procedure for Discharges of Copper", EPA-822-R-01-005, dated March 2001; or

(2) The Biotic Ligand Model (freshwater only) as described in "Aquatic Life Ambient Freshwater Quality Criteria - Copper", EPA-822-R-07-001, dated February 2007.

(f) The letter "f" shall indicate that the freshwater aquatic criteria for these metals are expressed as a function of the total hardness, as mg/l CaCO3 of the surface water, and that because the values displayed in Table 1703-1 correspond to a total hardness of 20 mg/l the aquatic life criteria for other hardness values expressed as calcium carbonate shall be calculated using the equations and tables in Env-Wq 1703.23 and Env-Wq 1703.24.

(i) The letter "i" shall indicate that the values presented for aquatic life protection are dissolved metals and for hardness-dependent metals are based on a hardness of 20 mg/L. To convert dissolved to total recoverable metal, the equations and tables in Env-Wq 1703.23 shall be used. To calculate dissolved or total recoverable fresh water criteria for hardness-dependent metals for hardness values other than 20 mg/l, the equations and tables shown in Env-Wq 1703.23 and Env-Wq 1703.24 shall be used. Application to total metals is for comparison only.

(j) The letter "j" shall indicate that these human health criteria prevent taste and odor effects in the surface water and in fish and other aquatic life as prohibited in Env-Wq 1703.03(c)(1)c. and (3).

(l) The letter "l" shall indicate that there is a more stringent drinking water maximum contaminant level (MCL) specified in Env-Dw 700, so if the surface water is a source for a public water system as defined in RSA 485:1-a, XV or is within 20 miles upstream of any active surface water intake for a public water system, the department shall use the MCL values shown in table 1703-2A for the water and fish ingestion human health criteria.

8. **Bold** values exceed the GW-1 Groundwater Standard.
Italic values exceed the SMCL (Table B.2).
Italic values exceed one or more of the New Hampshire Water Quality Criteria (Table B.3).

Appendix B.1

Groundwater Elevations

TABLE B.1A
Water Level - Depth and Elevation Pre-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Location	Date	Reference Elevation (ft) (see note 3)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-103S	06-11-87	–	TOC	37.40	1305.03
B-103S	09-21-87	–	TOC	37.50	1304.93
B-103S	12-29-87	–	TOC	37.40	1305.03
B-103S	03-29-88	–	TOC	37.80	1304.63
B-103S	07-13-88	–	TPVC	37.10	–
B-103S	10-17-88	–	TOC	37.90	1304.53
B-103S	12-20-88	–	TPVC	37.60	–
B-103S	04-26-89	–	TPVC	37.00	–
B-103S	07-27-89	–	TPVC	38.00	–
B-103S	10-26-89	–	TPVC	38.30	–
B-103S	02-06-90	–	TPVC	38.07	–
B-103S	05-23-90	–	TOC	38.18	1304.25
B-103S	08-29-90	–	TOC	37.30	1305.13
B-103S	12-03-90	–	TPVC	36.41	–
B-103S	02-28-91	–	TOC	36.60	1305.83
B-103S	07-08-91	–	TPVC	35.50	–
B-103S	09-09-91	–	TOC	35.90	1306.53
B-103S	01-02-92	–	TOC	36.40	1306.03
B-103S	04-10-92	–	TPVC	35.10	–
B-103S	07-08-92	–	TPVC	35.80	–
B-103S	10-07-92	–	TPVC	36.52	–
B-103S	04-15-93	–	TPVC	36.60	–
B-103S	11-24-93	–	TOC	38.50	1303.93
B-103S	04-13-94	–	TOC	36.50	1305.93
B-103S	07-07-94	–	TOC	37.70	1304.73
B-103S	11-28-94	–	TOC	38.00	1304.43
B-103S	04-03-95	–	TOC	37.90	1304.53
B-103S	06-12-95	–	TOC	38.50	1303.93
B-103S	07-13-95	–	TOC	38.60	1303.83
B-103S	11-14-95	–	TOC	38.08	1304.35
B-103S	11-27-95	–	TOC	37.78	1304.65
B-103S	04-15-96	–	TOC	37.68	1304.75
B-103S	07-09-96	–	TOC	36.08	1306.35
B-103S	11-11-96	–	TOC	35.28	1307.15
B-103S	04-07-97	–	TOC	35.48	1306.95
B-103S	07-07-97	–	TOC	35.49	1306.94
B-103S	11-11-97	–	TOC	36.11	1306.32
B-103S	04-13-98	–	TOC	36.14	1306.29
B-103S	07-13-98	–	TOC	36.58	1305.85
B-103S	11-16-98	–	TOC	37.11	1305.32
B-103S	04-05-99	–	TOC	40.12	1302.31
B-103S	07-27-99	–	TOC	37.25	1305.20
B-103S	11-17-99	–	TOC	41.63	1304.72
B-103S	04-10-00	–	TOC	40.31	1302.12
B-103S	07-17-00	–	TOC	40.29	1302.14
B-103S	11-13-00	–	TOC	40.71	1305.64
B-103S	04-02-01	–	TOC	41.62	1304.73
B-103S	07-09-01	–	TOC	41.80	1304.55
B-103S	11-05-01	–	TOC	42.70	1303.65
B-103S	04-15-02	–	TOC	43.05	1303.30
B-103S	07-15-02	–	TOC	42.88	1303.47
B-103S	11-18-02	–	TOC	42.88	1303.47
B-103S	04-07-03	–	TOC	43.43	1302.92
B-103S	07-14-03	–	TOC	43.35	1299.08
B-103S	11-03-03	–	TOC	43.26	1303.09
B-103S	04-05-04	–	TPVC	41.86	1304.49
B-103S	07-06-04	–	TPVC	46.92	–
B-103S	11-08-04	–	TOC	52.37	1293.98
B-103S	04-11-05	–	TOC	52.86	1304.91
B-103S	07-11-05	–	TOC	52.30	1305.47
B-103S	11-01-05	–	TOC	52.11	1294.24

TABLE B.1A
Water Level - Depth and Elevation Pre-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Location	Date	Reference Elevation (ft) (see note 3)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-103S	04-10-06	–	TOC	51.02	1306.75
B-103S	07-10-06	–	TOC	50.81	1306.96
B-103S	11-06-06	–	TOC	50.83	1306.94
B-103S	04-09-07	1357.64	TPVC	51.10	1306.54
B-103S	07-23-07	1357.64	TPVC	51.05	1306.59
B-103S	11-05-07	1357.64	TPVC	51.65	1305.99
B-103S	04-21-08	1357.64	TPVC	52.14	1305.50
B-103S	07-21-08	1357.64	TPVC	52.18	1305.46
B-103S	11-18-08	1357.64	TPVC	51.38	1306.26
B-103D	06-11-87	–	TOC	38.60	1303.63
B-103D	09-21-87	–	TOC	38.90	1303.33
B-103D	12-29-87	–	TOC	38.80	1303.43
B-103D	03-29-88	–	TOC	39.00	1303.23
B-103D	07-13-88	–	TPVC	37.50	–
B-103D	10-17-88	–	TOC	39.00	1303.23
B-103D	12-20-88	–	TPVC	38.70	–
B-103D	04-26-89	–	TPVC	38.50	–
B-103D	07-27-89	–	TPVC	39.00	–
B-103D	10-26-89	–	TPVC	39.30	–
B-103D	02-06-90	–	TPVC	39.16	–
B-103D	05-23-90	–	TOC	39.30	1302.93
B-103D	08-29-90	–	TOC	38.55	1303.68
B-103D	12-03-90	–	TPVC	37.31	–
B-103D	02-28-91	–	TOC	37.60	1304.63
B-103D	07-08-91	–	TPVC	36.70	–
B-103D	09-09-91	–	TOC	37.20	1305.03
B-103D	01-02-92	–	TOC	37.60	1304.63
B-103D	04-10-92	–	TPVC	36.50	–
B-103D	07-08-92	–	TOC	37.40	1304.83
B-103D	10-07-92	–	TOC	38.10	1304.13
B-103D	04-15-93	–	TPVC	37.80	–
B-103D	11-24-93	–	TOC	39.50	1302.73
B-103D	04-13-94	–	TOC	37.80	1304.43
B-103D	07-07-94	–	TOC	38.70	1303.53
B-103D	11-28-94	–	TOC	39.10	1303.13
B-103D	04-03-95	–	TOC	39.00	1303.23
B-103D	06-12-95	–	TOC	39.50	1302.73
B-103D	07-13-95	–	TOC	39.70	1302.53
B-103D	11-14-95	–	TOC	39.42	1302.81
B-103D	11-27-95	–	TOC	38.43	1303.80
B-103D	04-15-96	–	TOC	38.61	1303.62
B-103D	07-09-96	–	TOC	37.11	1305.12
B-103D	11-11-96	–	TOC	36.25	1305.98
B-103D	04-07-97	–	TOC	36.48	1305.75
B-103D	07-07-97	–	TOC	36.45	1305.78
B-103D	11-11-97	–	TOC	37.00	1305.23
B-103D	04-13-98	–	TOC	37.16	1305.07
B-103D	07-13-98	–	TOC	37.41	1304.82
B-103D	11-16-98	–	TOC	37.90	1308.80
B-103D	04-05-99	–	TOC	42.53	1304.17
B-103D	07-27-99	–	TOC	37.89	1308.81
B-103D	11-17-99	–	TOC	42.39	1304.31
B-103D	04-10-00	–	TOC	41.64	1305.06
B-103D	07-17-00	–	TOC	40.97	1305.73
B-103D	11-13-00	–	TOC	41.50	1305.20
B-103D	04-02-01	–	TOC	42.43	1304.27
B-103D	07-09-01	–	TOC	42.67	1304.03
B-103D	11-05-01	–	TOC	42.58	1304.12
B-103D	04-15-02	–	TOC	43.84	1302.86
B-103D	07-15-02	–	TOC	43.55	1303.15

TABLE B.1A
Water Level - Depth and Elevation Pre-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Location	Date	Reference Elevation (ft) (see note 3)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-103D	11-18-02	–	TOC	43.55	1303.15
B-103D	04-07-03	–	TOC	44.06	1302.64
B-103D	07-14-03	–	TOC	43.98	1298.98
B-103D	11-03-03	–	TOC	47.60	1299.10
B-103D	04-05-04	–	TPVC	42.42	1304.28
B-103D	07-06-04	–	TPVC	44.58	–
B-103D	11-08-04	–	TOC	53.80	1292.90
B-103D	04-11-05	–	TOC	53.52	1305.15
B-103D	07-11-05	–	TOC	53.71	1304.96
B-103D	11-01-05	–	TOC	53.52	1293.18
B-103D	04-10-06	–	TOC	52.50	1306.17
B-103D	07-10-06	–	TOC	52.23	1306.44
B-103D	11-06-06	–	TOC	52.31	1306.36
B-103D	04-09-07	1358.60	TPVC	52.65	1305.95
B-103D	07-23-07	1358.60	TPVC	52.52	1306.08
B-103D	11-05-07	1358.60	TPVC	53.30	1305.30
B-103D	04-21-08	1358.60	TPVC	53.78	1304.82
B-103D	07-21-08	1358.60	TPVC	53.67	1304.93
B-103D	11-18-08	1358.60	TPVC	52.88	1305.72
B-304UR	04-10-06	1338.44	TPVC	44.54	1293.90
B-304UR	07-10-06	1338.44	TPVC	47.19	1291.25
B-304UR	11-06-06	1338.44	TPVC	47.78	1290.66
B-304UR	04-09-07	1338.44	TPVC	48.23	1290.21
B-304UR	07-23-07	1338.44	TPVC	47.70	1290.74
B-304UR	11-05-07	1338.44	TPVC	49.75	1288.69
B-304UR	04-21-08	1338.44	TPVC	48.82	1289.62
B-304UR	07-21-08	1338.44	TPVC	48.66	1289.78
B-304UR	11-18-08	1338.44	TPVC	48.10	1290.34
B-304UR	12-10-08	1338.44	TPVC	47.98	1290.46
B-304DR	04-10-06	1338.37	TPVC	46.94	1291.43
B-304DR	07-10-06	1338.37	TPVC	46.59	1291.78
B-304DR	11-06-06	1338.37	TPVC	47.08	1291.29
B-304DR	04-09-07	1338.37	TPVC	47.35	1291.02
B-304DR	07-23-07	1338.37	TPVC	46.96	1291.41
B-304DR	11-05-07	1338.37	TPVC	48.44	1289.93
B-304DR	04-21-08	1338.37	TPVC	48.07	1290.30
B-304DR	07-21-08	1338.37	TPVC	48.04	1290.33
B-304DR	11-18-08	1338.37	TPVC	47.27	1291.10
MW-604	06-12-95	–	TPVC	28.20	1291.63
MW-604	07-09-96	–	TPVC	38.59	1281.24
MW-604	07-07-97	–	TPVC	39.04	1280.79
MW-604	07-13-98	–	TPVC	39.03	1280.80
MW-604	07-27-99	–	TPVC	39.78	1280.10
MW-604	07-17-00	–	TPVC	38.38	1281.45
MW-604	07-09-01	–	TPVC	38.95	1274.05
MW-604	07-15-02	–	TPVC	39.90	1279.93
MW-604	07-14-03	–	TPVC	41.75	1278.08
MW-604	07-06-04	–	TPVC	39.98	1279.85
MW-604	07-11-05	–	TPVC	39.97	1279.86
MW-604	11-01-05	–	TPVC	39.90	1273.10
MW-604	04-10-06	1319.83	TPVC	40.12	1279.71
MW-604	07-10-06	1319.83	TPVC	39.21	1280.62
MW-604	07-23-07	1319.83	TPVC	40.00	1279.83
MW-604	11-05-07	1319.83	TPVC	40.34	1279.49
MW-604	04-21-08	1319.83	TPVC	40.10	1279.73
MW-604	07-21-08	1319.83	TPVC	38.79	1281.04
MW-701	04-07-97	1331.63	TPVC	14.81	1316.82

TABLE B.1A
Water Level - Depth and Elevation Pre-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Location	Date	Reference Elevation (ft) (see note 3)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
MW-701	06-11-97	1331.63	TPVC	13.56	1318.07
MW-701	07-07-97	1331.63	TPVC	13.69	1317.94
MW-701	11-11-97	1331.63	TPVC	16.02	1315.61
MW-701	04-13-98	1331.63	TPVC	12.67	1318.96
MW-701	07-13-98	1331.63	TPVC	12.61	1319.02
MW-701	11-16-98	1331.63	TPVC	15.41	1316.22
MW-701	04-05-99	1331.63	TPVC	12.71	1318.92
MW-701	07-27-99	1331.63	TPVC	15.77	1315.86
MW-701	11-17-99	1331.63	TPVC	13.80	1317.83
MW-701	04-10-00	1331.63	TPVC	10.81	1320.82
MW-701	07-17-00	1331.63	TPVC	14.01	1317.62
MW-701	11-13-00	1331.63	TPVC	15.49	1316.14
MW-701	04-02-01	1331.63	TPVC	16.15	1315.48
MW-701	07-09-01	1331.63	TPVC	15.88	1315.75
MW-701	11-05-01	1331.63	TPVC	19.00	1312.63
MW-701	04-15-02	1331.63	TPVC	11.90	1319.73
MW-701	07-15-02	1331.63	TPVC	13.65	1317.98
MW-701	11-18-02	1331.63	TPVC	15.77	1315.86
MW-701	04-07-03	1331.63	TPVC	14.75	1316.88
MW-701	07-14-03	1331.63	TPVC	15.98	1315.65
MW-701	11-03-03	1331.63	TPVC	13.10	1318.53
MW-701	04-05-04	1331.63	TPVC	12.94	1318.69
MW-701	07-06-04	1331.63	TPVC	14.58	1317.05
MW-701	11-08-04	1331.63	TPVC	15.62	1316.01
MW-701	04-11-05	1331.63	TPVC	13.76	1317.87
MW-701	07-11-05	1331.63	TPVC	14.61	1317.02
MW-701	11-01-05	1331.63	TPVC	11.92	1319.71
MW-701	04-10-06	1331.63	TPVC	12.40	1319.23
MW-701	07-10-06	1331.63	TPVC	11.97	1319.66
MW-701	11-06-06	1331.63	TPVC	12.60	1319.03
MW-701	04-09-07	1331.63	TPVC	12.47	1319.16
MW-701	07-23-07	1331.63	TPVC	13.64	1317.99
MW-701	11-05-07	1331.63	TPVC	15.89	1315.74
MW-701	04-21-08	1331.63	TPVC	12.44	1319.19
MW-701	07-21-08	1331.63	TPVC	14.03	1317.60
MW-701	11-18-08	1331.63	TPVC	13.05	1318.58
MW-802	11-16-98	–	TPVC	40.99	1305.05
MW-802	04-05-99	–	TPVC	40.72	1305.32
MW-802	07-27-99	–	TPVC	41.13	1304.90
MW-802	11-17-99	–	TPVC	41.13	1299.93
MW-802	07-17-00	–	TPVC	39.99	1306.05
MW-802	04-02-01	–	TPVC	40.46	1305.58
MW-802	07-09-01	–	TPVC	41.46	1304.58
MW-802	11-05-01	–	TPVC	42.47	1303.57
MW-802	04-15-02	–	TPVC	43.00	1303.04
MW-802	07-15-02	–	TPVC	42.43	1303.61
MW-802	11-18-02	–	TPVC	42.65	1303.39
MW-802	04-07-03	–	TPVC	43.23	1302.81
MW-802	07-14-03	–	TPVC	43.05	1302.99
MW-802	11-03-03	–	TPVC	42.88	1303.16
MW-802	04-05-04	–	TPVC	41.61	1304.43
MW-802	07-06-04	–	TPVC	57.36	1288.68
MW-802	11-08-04	–	TPVC	54.14	1291.90
MW-802	04-11-05	–	TPVC	54.20	1304.66
MW-802	07-11-05	–	TPVC	54.16	1304.70
MW-802	11-01-05	–	TPVC	53.95	1292.09
MW-802	04-10-06	–	TPVC	52.53	1293.51
MW-802	07-10-06	–	TPVC	52.49	1306.37
MW-802	11-06-06	–	TPVC	52.72	1306.14
MW-802	04-09-07	1359.05	TPVC	52.93	1306.12

TABLE B.1A
Water Level - Depth and Elevation Pre-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Location	Date	Reference Elevation (ft) (see note 3)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
MW-802	07-23-07	1359.05	TPVC	52.86	1306.19
MW-802	11-05-07	1359.05	TPVC	53.45	1305.60
MW-802	04-21-08	1350.55	TPVC	45.39	1305.16
MW-802	07-21-08	1350.55	TPVC	45.39	1305.16
MW-802	11-18-08	1350.55	TPVC	44.55	1306.00
MW-803	11-16-98	–	TPVC	41.58	1304.80
MW-803	04-05-99	–	TPVC	41.32	1305.06
MW-803	07-27-99	–	TPVC	41.72	1304.70
MW-803	11-17-99	–	TPVC	41.85	1299.21
MW-803	04-10-00	1346.38	TPVC	41.00	1305.38
MW-803	07-17-00	1346.38	TPVC	40.31	1306.07
MW-803	04-02-01	1346.38	TPVC	41.73	1304.65
MW-803	07-09-01	1346.38	TPVC	41.82	1304.56
MW-803	11-05-01	1346.38	TPVC	42.80	1303.58
MW-803	04-15-02	1346.38	TPVC	43.33	1303.05
MW-803	07-15-02	1346.38	TPVC	42.87	1303.51
MW-803	11-18-02	1346.38	TPVC	43.15	1303.23
MW-803	04-07-03	1346.38	TPVC	43.53	1302.85
MW-803	07-14-03	1346.38	TPVC	43.40	1302.98
MW-803	11-03-03	1346.38	TPVC	43.30	1303.08
MW-803	04-05-04	1346.38	TPVC	41.96	1304.42
MW-803	07-06-04	1346.38	TPVC	41.39	1304.99
MW-803	11-08-04	1346.38	TPVC	41.41	1304.97
MW-803	04-11-05	1346.38	TPVC	41.13	1305.25
MW-803	07-11-05	1346.38	TPVC	41.43	1304.95
MW-803	11-01-05	1346.38	TPVC	41.24	1305.14
MW-803	04-10-06	1346.38	TPVC	39.83	1306.55
MW-803	07-10-06	1346.38	TPVC	39.79	1306.59
MW-803	11-06-06	1346.38	TPVC	40.02	1306.36
MW-803	04-09-07	1346.38	TPVC	40.25	1306.13
MW-803	07-23-07	1346.38	TPVC	40.17	1306.21
MW-803	11-05-07	1346.38	TPVC	40.72	1305.66
MW-803	04-21-08	1346.38	TPVC	41.32	1305.06
MW-803	07-21-08	1346.38	TPVC	41.31	1305.07
MW-803	11-18-08	1346.38	TPVC	40.55	1305.83
B-915U	08-08-01	1338.20	TPVC	32.82	1305.38
B-915U	08-30-01	1338.20	TPVC	33.61	1304.59
B-915U	09-11-01	1338.20	TPVC	34.19	1304.01
B-915M	08-08-01	1338.09	TPVC	37.03	1301.06
B-915M	08-30-01	1338.09	TPVC	37.50	1300.59
B-915M	09-11-01	1338.09	TPVC	37.64	1300.45
B-915D	08-08-01	1338.16	TPVC	37.01	1301.15
B-915D	08-30-01	1338.16	TPVC	37.44	1300.72
B-915D	09-11-01	1338.16	TPVC	37.56	1300.60
B-916U	08-08-01	1323.76	TPVC	19.89	1303.87
B-916U	08-30-01	1323.76	TPVC	21.11	1302.65
B-916U	09-11-01	1323.76	TPVC	21.72	1302.04
B-916M	08-08-01	1323.91	TPVC	41.42	1282.49
B-916M	08-30-01	1323.91	TPVC	43.95	1279.96
B-916M	09-11-01	1323.91	TPVC	43.02	1280.89
B-916D	08-08-01	1323.99	TPVC	41.45	1282.54
B-916D	08-30-01	1323.99	TPVC	55.14	1268.85
B-916D	09-11-01	1323.99	TPVC	55.20	1268.79

TABLE B.1A
Water Level - Depth and Elevation Pre-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Location	Date	Reference Elevation (ft) (see note 3)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-917U	08-08-01	1325.14	TPVC	31.06	1294.08
B-917U	08-30-01	1325.14	TPVC	32.06	1293.08
B-917U	09-11-01	1325.14	TPVC	33.25	1291.89
B-909	08-08-01	1325.50	TPVC	33.25	1292.25
B-909	08-30-01	1325.50	TPVC	33.79	1291.71
B-909	09-11-01	1325.50	TPVC	33.98	1291.52
B-917D	08-08-01	1325.36	TPVC	30.92	1294.44
B-917D	08-30-01	1325.36	TPVC	31.61	1293.75
B-917D	09-11-01	1325.36	TPVC	31.73	1293.63
B-918U	08-08-01	1329.90	TPVC	24.15	1305.75
B-918U	08-30-01	1329.90	TPVC	24.57	1305.33
B-918U	09-11-01	1329.90	TPVC	24.81	1305.09
B-918M	08-08-01	1330.32	TPVC	24.74	1305.58
B-918M	08-30-01	1330.32	TPVC	24.97	1305.35
B-918M	09-11-01	1330.32	TPVC	25.17	1305.15
B-918M	01-07-20	1330.23	TPVC	25.79	1304.44
B-918D	08-08-01	1329.89	TPVC	35.00	1294.89
B-918D	08-30-01	1329.89	TPVC	35.31	1294.58
B-918D	09-11-01	1329.89	TPVC	35.40	1294.49
B-919U	09-11-01	1344.27	TPVC	40.71	1303.56
B-919U	11-06-06	1344.27	TPVC	38.07	1306.20
B-919U	04-09-07	1344.27	TPVC	38.54	1305.73
B-919U	07-23-07	1344.27	TPVC	38.22	1306.05
B-919U	11-05-07	1344.27	TPVC	39.05	1305.22
B-919U	04-21-08	1344.27	TPVC	39.30	1304.97
B-919U	07-21-08	1344.27	TPVC	39.22	1305.05
B-919U	11-18-08	1344.27	TPVC	38.39	1305.88
B-919M	09-11-01	1344.06	TPVC	52.35	1291.71
B-919M	11-06-06	1344.06	TPVC	48.98	1295.08
B-919M	04-09-07	1344.06	TPVC	49.29	1294.77
B-919M	07-23-07	1344.06	TPVC	48.98	1295.08
B-919M	11-05-07	1344.06	TPVC	49.94	1294.12
B-919M	04-21-08	1344.06	TPVC	49.92	1294.14
B-919M	07-21-08	1344.06	TPVC	49.63	1294.43
B-919M	11-18-08	1344.06	TPVC	49.09	1294.97
B-919D	09-11-01	1345.14	TPVC	53.53	1291.61
B-919D	11-06-06	1345.14	TPVC	50.55	1294.59
B-919D	04-09-07	1345.14	TPVC	51.00	1294.14
B-919D	07-23-07	1345.14	TPVC	50.83	1294.31
B-919D	11-05-07	1345.14	TPVC	51.60	1293.54
B-919D	04-21-08	1342.35	Ground	49.00	1293.35
B-919D	07-21-08	1344.13	TPVC	50.25	1293.88
B-919D	11-18-08	1344.13	TPVC	49.50	1294.63

TABLE B.1B
Water Level - Depth and Elevation Post-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-009

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-103S	04-07-2009	1357.64	TPVC	50.97	1306.67
B-103S	07-14-2009	1357.64	TPVC	50.88	1306.76
B-103S	11-09-2009	1357.64	TPVC	51.06	1306.58
B-103S	02-15-2010	1357.64	TPVC	51.39	1306.25
B-103S	03-10-2010	1357.64	TPVC	51.47	1306.17
B-103S	04-08-2010	1357.64	TPVC	51.77	1305.87
B-103S	05-26-2010	1357.64	TPVC	50.98	1306.66
B-103S	06-16-2010	1357.64	TPVC	50.98	1306.66
B-103S	07-12-2010	1357.64	TPVC	50.93	1306.71
B-103S	08-10-2010	1357.64	TPVC	50.71	1306.93
B-103S	09-08-2010	1357.64	TPVC	50.80	1306.84
B-103S	10-05-2010	1357.64	TPVC	50.63	1307.01
B-103S	11-01-2010	1357.64	TPVC	50.78	1306.86
B-103S	12-03-2010	1357.64	TPVC	50.75	1306.89
B-103S	01-14-2011	1357.64	TPVC	50.74	1306.90
B-103S	02-17-2011	1357.64	TPVC	50.85	1306.79
B-103S	03-10-2011	1357.64	TPVC	50.86	1306.78
B-103S	04-18-2011	1357.64	TPVC	49.32	1308.32
B-103S	07-13-2011	1357.64	TPVC	50.10	1307.54
B-103S	11-02-2011	1357.64	TPVC	50.91	1306.73
B-103S	04-10-2012	1357.64	TPVC	52.15	1305.49
B-103S	07-16-2012	1357.64	TPVC	52.38	1305.26
B-103S	11-06-2012	1357.64	TPVC	52.71	1304.93
B-103S	04-10-2013	1357.64	TPVC	53.15	1304.49
B-103S	07-08-2013	1357.64	TPVC	52.57	1305.07
B-103S	11-07-2013	1357.64	TPVC	52.21	1305.43
B-103S	04-22-2014	1357.64	TPVC	51.68	1305.96
B-103S	07-14-2014	1357.64	TPVC	52.12	1305.52
B-103S	11-04-2014	1357.64	TPVC	52.54	1305.10
B-103S	04-13-2015	1357.64	TPVC	53.02	1304.62
B-103S	07-21-2015	1357.64	TPVC	52.98	1304.66
B-103S	11-10-2015	1357.64	TPVC	53.38	1304.26
B-103S	04-11-2016	1357.64	TPVC	53.55	1304.09
B-103S	07-11-2016	1357.64	TPVC	54.84	1302.80
B-103S	11-07-2016	1357.64	TPVC	53.97	1303.67
B-103S	04-04-2017	1357.64	TPVC	53.90	1303.74
B-103S	07-25-2017	1357.64	TPVC	53.53	1304.11
B-103S	11-08-2017	1357.64	TPVC	53.37	1304.27
B-103S	04-24-2018	1357.64	TPVC	53.33	1304.31
B-103S	07-11-2018	1357.64	TPVC	53.48	1304.16
B-103S	11-05-2018	1357.64	TPVC	53.85	1303.79
B-103S	04-23-2019	1357.64	TPVC	53.31	1304.33
B-103S	07-08-2019	1357.64	TPVC	53.33	1304.31
B-103S	11-05-2019	1357.64	TPVC	53.04	1304.60
B-103S	04-21-2020	1357.64	TPVC	52.61	1305.03
B-103S	07-15-2020	1357.64	TPVC	52.97	1304.67
B-103S	11-03-2020	1357.64	TPVC	53.24	1304.40
B-103S	04-20-2021	1357.64	TPVC	53.36	1304.28
B-103S	07-05-2021	1357.64	TPVC	53.79	1303.85
B-103S	09-29-2021	1357.64	TPVC	54.07	1303.57
B-103S	11-01-2021	1357.64	TPVC	54.27	1303.37
B-103S	02-22-2022	1357.64	TPVC	54.31	1303.33
B-103S	04-18-2022	1357.64	TPVC	54.18	1303.46
B-103S	04-20-2022	1357.64	TPVC	54.21	1303.43
B-103S	06-08-2022	1357.64	TPVC	54.34	1303.30
B-103S	07-11-2022	1357.64	TPVC	54.49	1303.15
B-103S	11-01-2022	1357.64	TPVC	54.79	1302.85
B-103S	04-18-2023	1357.64	TPVC	54.26	1303.38
B-103S	07-10-2023	1357.64	TPVC	53.98	1303.66
B-103S	11-08-2023	1357.64	TPVC	53.39	1304.25
B-103S	04-15-2024	1357.64	TPVC	51.74	1305.90
B-103S	07-23-2024	1357.64	TPVC	51.45	1306.19
B-103D	04-07-2009	1358.60	TPVC	52.47	1306.13
B-103D	07-14-2009	1358.60	TPVC	52.39	1306.21
B-103D	11-09-2009	1358.60	TPVC	52.58	1306.02
B-103D	02-15-2010	1358.60	TPVC	53.06	1305.54
B-103D	03-10-2010	1358.60	TPVC	53.12	1305.48
B-103D	04-08-2010	1358.60	TPVC	52.77	1305.83
B-103D	05-26-2010	1358.60	TPVC	52.49	1306.11
B-103D	06-16-2010	1358.60	TPVC	52.49	1306.11
B-103D	07-12-2010	1358.60	TPVC	52.46	1306.14
B-103D	08-10-2010	1358.60	TPVC	52.26	1306.34
B-103D	09-08-2010	1358.60	TPVC	52.33	1306.27
B-103D	10-05-2010	1358.60	TPVC	52.25	1306.35
B-103D	11-01-2010	1358.60	TPVC	52.37	1306.23
B-103D	12-03-2010	1358.60	TPVC	52.29	1306.31
B-103D	01-14-2011	1358.60	TPVC	52.29	1306.31
B-103D	02-17-2011	1358.60	TPVC	52.40	1306.20
B-103D	03-10-2011	1358.60	TPVC	52.43	1306.17
B-103D	04-18-2011	1358.60	TPVC	51.32	1307.28
B-103D	07-13-2011	1358.60	TPVC	51.70	1306.90
B-103D	11-02-2011	1358.60	TPVC	52.55	1306.05
B-103D	04-10-2012	1358.60	TPVC	53.83	1304.77
B-103D	07-16-2012	1358.60	TPVC	53.93	1304.67
B-103D	11-06-2012	1358.60	TPVC	54.29	1304.31
B-103D	04-10-2013	1358.60	TPVC	54.66	1303.94
B-103D	07-08-2013	1358.60	TPVC	54.11	1304.49
B-103D	11-07-2013	1358.60	TPVC	53.65	1304.95
B-103D	04-22-2014	1358.35	TPVC	53.38	1304.97

TABLE B.1B
Water Level - Depth and Elevation Post-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-009

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-103D	07-14-2014	1358.35	TPVC	53.47	1304.88
B-103D	11-04-2014	1358.35	TPVC	53.87	1304.48
B-103D	04-13-2015	1358.35	TPVC	54.03	1304.32
B-103D	07-21-2015	1358.35	TPVC	54.37	1303.98
B-103D	11-10-2015	1358.35	TPVC	54.69	1303.66
B-103D	04-11-2016	1358.61	TPVC	54.85	1303.76
B-103D	07-11-2016	1358.61	TPVC	53.57	1305.04
B-103D	11-07-2016	1358.61	TPVC	55.28	1303.33
B-103D	04-04-2017	1358.61	TPVC	55.34	1303.27
B-103D	07-25-2017	1358.61	TPVC	54.94	1303.67
B-103D	11-08-2017	1358.61	TPVC	54.82	1303.79
B-103D	04-24-2018	1358.61	TPVC	54.71	1303.90
B-103D	07-11-2018	1358.61	TPVC	54.73	1303.88
B-103D	11-05-2018	1358.61	TPVC	55.15	1303.46
B-103D	04-23-2019	1358.61	TPVC	54.87	1303.74
B-103D	07-08-2019	1358.61	TPVC	54.66	1303.95
B-103D	11-05-2019	1358.61	TPVC	54.52	1304.09
B-103D	04-21-2020	1358.61	TPVC	54.10	1304.51
B-103D	07-15-2020	1358.61	TPVC	54.36	1304.25
B-103D	11-03-2020	1358.61	TPVC	54.71	1303.90
B-103D	04-20-2021	1358.61	TPVC	54.81	1303.80
B-103D	07-05-2021	1358.61	TPVC	55.14	1303.47
B-103D	09-29-2021	1358.61	TPVC	55.48	1303.13
B-103D	11-01-2021	1358.61	TPVC	55.70	1302.91
B-103D	04-20-2022	1358.61	TPVC	55.67	1302.94
B-103D	07-11-2022	1358.61	TPVC	55.80	1302.81
B-103D	11-01-2022	1358.61	TPVC	56.13	1302.48
B-103D	04-18-2023	1358.61	TPVC	55.58	1303.03
B-103D	07-10-2023	1358.61	TPVC	55.27	1303.34
B-103D	11-08-2023	1358.61	TPVC	54.74	1303.87
B-103D	04-15-2024	1358.61	TPVC	53.22	1305.39
B-103D	07-23-2024	1358.61	TPVC	52.93	1305.68
B-304UR	01-21-2009	1338.44	TPVC	47.64	1290.80
B-304UR	02-19-2009	1338.44	TPVC	47.88	1290.56
B-304UR	03-18-2009	1338.44	TPVC	47.91	1290.53
B-304UR	04-06-2009	1338.44	TPVC	47.62	1290.82
B-304UR	05-19-2009	1338.44	TPVC	47.19	1291.25
B-304UR	06-11-2009	1338.44	TPVC	47.20	1291.24
B-304UR	07-13-2009	1338.44	TPVC	47.08	1291.36
B-304UR	08-24-2009	1338.44	TPVC	47.33	1291.11
B-304UR	09-14-2009	1338.44	TPVC	47.44	1291.00
B-304UR	10-14-2009	1338.44	TPVC	48.00	1290.44
B-304UR	11-09-2009	1338.44	TPVC	48.29	1290.15
B-304UR	12-08-2009	1338.44	TPVC	48.47	1289.97
B-304UR	01-07-2010	1338.44	TPVC	48.50	1289.94
B-304UR	02-09-2010	1338.44	TPVC	48.62	1289.82
B-304UR	03-09-2010	1338.44	TPVC	48.68	1289.76
B-304UR	04-07-2010	1338.44	TPVC	48.16	1290.28
B-304UR	05-25-2010	1338.44	TPVC	47.22	1291.22
B-304UR	06-15-2010	1338.44	TPVC	47.30	1291.14
B-304UR	07-12-2010	1338.44	TPVC	47.36	1291.08
B-304UR	08-09-2010	1338.44	TPVC	47.33	1291.11
B-304UR	09-08-2010	1338.44	TPVC	47.63	1290.81
B-304UR	10-05-2010	1338.44	TPVC	48.02	1290.42
B-304UR	11-01-2010	1338.44	TPVC	47.95	1290.49
B-304UR	12-02-2010	1338.44	TPVC	47.74	1290.70
B-304UR	01-13-2011	1338.44	TPVC	47.49	1290.95
B-304UR	02-16-2011	1338.44	TPVC	47.76	1290.68
B-304UR	03-10-2011	1338.44	TPVC	48.10	1290.34
B-304UR	04-18-2011	1338.44	TPVC	47.34	1291.10
B-304UR	05-18-2011	1338.44	TPVC	46.17	1292.27
B-304UR	06-09-2011	1338.44	TPVC	45.87	1292.57
B-304UR	07-12-2011	1338.44	TPVC	46.48	1291.96
B-304UR	08-09-2011	1338.44	TPVC	47.34	1291.10
B-304UR	09-06-2011	1338.44	TPVC	47.88	1290.56
B-304UR	10-03-2011	1338.44	TPVC	47.53	1290.91
B-304UR	11-01-2011	1338.44	TPVC	48.04	1290.40
B-304UR	04-10-2012	1338.44	TPVC	48.57	1289.87
B-304UR	07-17-2012	1338.44	TPVC	48.81	1289.63
B-304UR	11-07-2012	1338.44	TPVC	49.33	1289.11
B-304UR	04-10-2013	1338.44	TPVC	48.95	1289.49
B-304UR	07-08-2013	1338.44	TPVC	48.14	1290.30
B-304UR	11-07-2013	1338.44	TPVC	47.26	1291.18
B-304UR	04-22-2014	1338.44	TPVC	48.50	1289.94
B-304UR	07-15-2014	1338.44	TPVC	46.75	1291.69
B-304UR	11-05-2014	1338.44	TPVC	48.65	1289.79
B-304UR	04-14-2015	1338.44	TPVC	49.20	1289.24
B-304UR	07-20-2015	1338.44	TPVC	46.08	1292.36
B-304UR	11-10-2015	1338.44	TPVC	47.86	1290.58
B-304UR	04-12-2016	1338.44	TPVC	45.82	1292.62
B-304UR	07-12-2016	1338.44	TPVC	47.81	1290.63
B-304UR	11-07-2016	1338.44	TPVC	50.32	1288.12
B-304UR	04-04-2017	1338.44	TPVC	50.28	1288.16
B-304UR	07-25-2017	1338.44	TPVC	46.68	1291.76
B-304UR	11-07-2017	1338.44	TPVC	49.25	1289.19
B-304UR	04-23-2018	1338.44	TPVC	47.83	1290.61
B-304UR	07-11-2018	1338.44	TPVC	47.33	1291.11
B-304UR	07-26-2018	1338.44	TPVC	47.80	1290.64
B-304UR	11-05-2018	1338.44	TPVC	50.33	1288.11

TABLE B.1B
Water Level - Depth and Elevation Post-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-009

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-304UR	04-23-2019	1338.44	TPVC	48.24	1290.20
B-304UR	07-08-2019	1338.44	TPVC	46.29	1292.15
B-304UR	11-04-2019	1338.44	TPVC	49.53	1288.91
B-304UR	11-22-2019	1338.44	TPVC	49.34	1289.10
B-304UR	04-21-2020	1338.44	TPVC	45.87	1292.57
B-304UR	07-13-2020	1338.44	TPVC	47.66	1290.78
B-304UR	09-28-2020	1338.44	TPVC	49.99	1288.45
B-304UR	11-03-2020	1338.44	TPVC	49.49	1288.95
B-304UR	12-15-2020	1338.44	TPVC	48.85	1289.59
B-304UR	01-13-2021	1338.44	TPVC	47.08	1291.36
B-304UR	02-15-2021	1338.44	TPVC	47.02	1291.42
B-304UR	03-17-2021	1338.44	TPVC	48.08	1290.36
B-304UR	04-19-2021	1338.44	TPVC	46.75	1291.69
B-304UR	05-27-2021	1338.44	TPVC	46.36	1292.08
B-304UR	07-07-2021	1338.44	TPVC	48.07	1290.37
B-304UR	09-29-2021	1338.44	TPVC	50.18	1288.26
B-304UR	11-01-2021	1338.44	TPVC	50.84	1287.60
B-304UR	02-22-2022	1338.44	TPVC	50.31	1288.13
B-304UR	04-18-2022	1338.44	TPVC	47.18	1291.26
B-304UR	06-08-2022	1338.44	TPVC	46.81	1291.63
B-304UR	07-11-2022	1338.44	TPVC	48.08	1290.36
B-304UR	11-02-2022	1338.44	TPVC	49.15	1289.29
B-304UR	04-18-2023	1338.44	TPVC	46.99	1291.45
B-304UR	07-11-2023	1338.44	TPVC	47.69	1290.75
B-304UR	11-06-2023	1338.44	TPVC	47.92	1290.52
B-304UR	04-15-2024	1338.44	TPVC	46.20	1292.24
B-304UR	07-22-2024	1338.44	TPVC	47.50	1290.94
B-304UR	07-24-2024	1338.44	TPVC	47.52	1290.92
B-304DR	04-06-2009	1338.37	TPVC	47.03	1291.34
B-304DR	07-13-2009	1338.37	TPVC	46.66	1291.71
B-304DR	11-09-2009	1338.37	TPVC	57.54	1280.83
B-304DR	04-07-2010	1338.37	TPVC	47.37	1291.00
B-304DR	07-12-2010	1338.37	TPVC	46.83	1291.54
B-304DR	11-01-2010	1338.37	TPVC	47.29	1291.08
B-304DR	01-13-2011	1338.37	TPVC	46.92	1291.45
B-304DR	04-18-2011	1338.37	TPVC	46.74	1291.63
B-304DR	07-12-2011	1338.37	TPVC	46.02	1292.35
B-304DR	11-01-2011	1338.37	TPVC	47.40	1290.97
B-304DR	04-10-2012	1338.37	TPVC	48.15	1290.22
B-304DR	07-17-2012	1338.37	TPVC	48.31	1290.06
B-304DR	11-07-2012	1338.37	TPVC	48.72	1289.65
B-304DR	04-10-2013	1338.37	TPVC	48.65	1289.72
B-304DR	07-08-2013	1338.37	TPVC	47.97	1290.40
B-304DR	11-07-2013	1338.37	TPVC	47.18	1291.19
B-304DR	04-22-2014	1338.37	TPVC	47.92	1290.45
B-304DR	07-15-2014	1338.37	TPVC	46.92	1291.45
B-304DR	11-05-2014	1338.37	TPVC	48.15	1290.22
B-304DR	04-14-2015	1338.37	TPVC	48.86	1289.51
B-304DR	07-20-2015	1338.37	TPVC	46.85	1291.52
B-304DR	11-10-2015	1338.37	TPVC	47.94	1290.43
B-304DR	04-12-2016	1338.37	TPVC	46.74	1291.63
B-304DR	07-12-2016	1338.37	TPVC	47.83	1290.54
B-304DR	11-07-2016	1338.37	TPVC	49.57	1288.80
B-304DR	04-04-2017	1338.37	TPVC	49.65	1288.72
B-304DR	07-25-2017	1338.37	TPVC	47.28	1291.09
B-304DR	11-07-2017	1338.37	TPVC	48.81	1289.56
B-304DR	04-23-2018	1338.37	TPVC	48.02	1290.35
B-304DR	07-11-2018	1338.37	TPVC	47.49	1290.88
B-304DR	11-05-2018	1338.37	TPVC	49.54	1288.83
B-304DR	04-23-2019	1338.37	TPVC	48.38	1289.99
B-304DR	07-08-2019	1338.37	TPVC	46.80	1291.57
B-304DR	11-04-2019	1338.37	TPVC	48.93	1289.44
B-304DR	11-22-2019	1338.37	TPVC	48.75	1289.62
B-304DR	04-21-2020	1338.37	TPVC	46.67	1291.70
B-304DR	07-13-2020	1338.37	TPVC	47.61	1290.76
B-304DR	09-28-2020	1338.37	TPVC	49.33	1289.04
B-304DR	11-03-2020	1338.37	TPVC	49.42	1288.95
B-304DR	12-15-2020	1338.37	TPVC	48.78	1289.59
B-304DR	01-13-2021	1338.37	TPVC	47.73	1290.64
B-304DR	02-15-2021	1338.37	TPVC	47.63	1290.74
B-304DR	03-17-2021	1338.37	TPVC	48.29	1290.08
B-304DR	04-19-2021	1338.37	TPVC	47.51	1290.86
B-304DR	05-27-2021	1338.37	TPVC	47.15	1291.22
B-304DR	07-07-2021	1338.37	TPVC	48.21	1290.16
B-304DR	09-29-2021	1338.24	TPVC	49.32	1288.92
B-304DR	11-01-2021	1338.24	TPVC	49.66	1288.58
B-304DR	02-22-2022	1338.24	TPVC	49.51	1288.73
B-304DR	04-18-2022	1338.24	TPVC	47.76	1290.48
B-304DR	06-08-2022	1338.24	TPVC	47.29	1290.95
B-304DR	07-11-2022	1338.24	TPVC	47.98	1290.26
B-304DR	11-02-2022	1338.24	TPVC	48.94	1289.30
B-304DR	04-18-2023	1338.24	TPVC	47.26	1290.98
B-304DR	07-11-2023	1338.24	TPVC	47.61	1290.63
B-304DR	11-06-2023	1338.24	TPVC	47.52	1290.72
B-304DR	12-15-2023	1338.24	TPVC	47.66	1290.58
B-304DR	04-15-2024	1338.24	TPVC	46.09	1292.15
B-304DR	07-22-2024	1338.24	TPVC	46.72	1291.52
B-304DR	07-24-2024	1338.24	TPVC	46.74	1291.50

TABLE B.1B
Water Level - Depth and Elevation Post-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-009

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
MW-604	07-13-2009	1319.83	TPVC	39.14	1280.69
MW-604	11-10-2009	1319.83	TPVC	39.66	1280.17
MW-604	07-12-2010	1319.83	TPVC	39.37	1280.46
MW-604	11-03-2010	1319.83	TPVC	39.27	1280.56
MW-604	07-12-2011	1319.83	TPVC	38.70	1281.13
MW-604	07-17-2012	1319.83	TPVC	40.35	1279.48
MW-604	07-08-2013	1319.83	TPVC	40.18	1279.65
MW-604	04-23-2014	1319.83	TPVC	39.89	1279.94
MW-604	07-15-2014	1319.83	TPVC	39.74	1280.09
MW-604	04-14-2015	1319.83	TPVC	40.41	1279.42
MW-604	07-21-2015	1319.83	TPVC	39.93	1279.90
MW-604	04-12-2016	1319.83	TPVC	40.11	1279.72
MW-604	07-12-2016	1319.83	TPVC	40.36	1279.47
MW-604	11-07-2016	1319.83	TPVC	40.88	1278.95
MW-604	04-03-2017	1319.83	TPVC	41.10	1278.73
MW-604	07-25-2017	1319.83	TPVC	40.17	1279.66
MW-604	11-07-2017	1319.83	TPVC	40.59	1279.24
MW-604	04-24-2018	1319.83	TPVC	40.29	1279.54
MW-604	07-11-2018	1319.83	TPVC	40.48	1279.35
MW-604	11-05-2018	1319.83	TPVC	40.95	1278.88
MW-604	04-23-2019	1319.83	TPVC	40.50	1279.33
MW-604	07-09-2019	1319.83	TPVC	40.01	1279.82
MW-604	11-06-2019	1319.83	TPVC	40.71	1279.12
MW-604	04-21-2020	1319.83	TPVC	40.14	1279.69
MW-604	07-13-2020	1319.83	TPVC	40.40	1279.43
MW-604	11-03-2020	1319.83	TPVC	40.45	1279.38
MW-604	04-19-2021	1319.83	TPVC	40.73	1279.10
MW-604	05-27-2021	1319.83	TPVC	40.65	1279.18
MW-604	07-07-2021	1319.83	TPVC	40.97	1278.86
MW-604	09-29-2021	1319.83	TPVC	41.49	1278.34
MW-604	11-01-2021	1319.83	TPVC	41.61	1278.22
MW-604	02-22-2022	1319.83	TPVC	41.71	1278.12
MW-604	04-18-2022	1319.83	TPVC	41.25	1278.58
MW-604	06-08-2022	1319.83	TPVC	41.01	1278.82
MW-604	07-11-2022	1319.83	TPVC	41.30	1278.53
MW-604	11-02-2022	1319.83	TPVC	41.71	1278.12
MW-604	04-18-2023	1319.83	TPVC	41.72	1278.11
MW-604	07-11-2023	1319.83	TPVC	40.24	1279.59
MW-604	11-06-2023	1319.83	TPVC	40.39	1279.44
MW-604	12-15-2023	1319.83	TPVC	40.30	1279.53
MW-604	04-15-2024	1319.83	TPVC	39.66	1280.17
MW-604	07-22-2024	1319.83	TPVC	39.81	1280.02
MW-604	07-24-2024	1319.83	TPVC	39.83	1280.00
MW-701	04-06-2009	1331.63	TPVC	11.44	1320.19
MW-701	07-13-2009	1331.63	TPVC	11.67	1319.96
MW-701	11-09-2009	1331.63	TPVC	13.98	1317.65
MW-701	04-07-2010	1331.63	TPVC	11.55	1320.08
MW-701	07-12-2010	1331.63	TPVC	13.23	1318.40
MW-701	11-01-2010	1331.63	TPVC	12.36	1319.27
MW-701	01-13-2011	1331.63	TPVC	10.16	1321.47
MW-701	04-18-2011	1331.63	TPVC	11.12	1320.51
MW-701	07-12-2011	1331.63	TPVC	14.17	1317.46
MW-701	11-01-2011	1331.63	TPVC	14.43	1317.20
MW-701	04-10-2012	1331.63	TPVC	15.99	1315.64
MW-701	07-16-2012	1331.63	TPVC	15.42	1316.21
MW-701	11-06-2012	1331.63	TPVC	15.25	1316.38
MW-701	04-09-2013	1331.63	TPVC	16.30	1315.33
MW-701	07-08-2013	1331.63	TPVC	15.00	1316.63
MW-701	11-06-2013	1331.63	TPVC	16.13	1315.50
MW-701	04-23-2014	1331.63	TPVC	16.35	1315.28
MW-701	07-14-2014	1331.63	TPVC	15.91	1315.72
MW-701	11-04-2014	1331.63	TPVC	17.23	1314.40
MW-701	04-14-2015	1331.63	TPVC	17.85	1313.78
MW-701	07-20-2015	1331.63	TPVC	15.63	1316.00
MW-701	11-09-2015	1331.63	TPVC	16.48	1315.15
MW-701	04-12-2016	1331.63	TPVC	13.43	1318.20
MW-701	07-13-2016	1331.63	TPVC	13.52	1318.11
MW-701	11-08-2016	1331.63	TPVC	15.28	1316.35
MW-701	04-03-2017	1331.63	TPVC	15.65	1315.98
MW-701	07-24-2017	1331.63	TPVC	13.54	1318.09
MW-701	11-07-2017	1331.63	TPVC	12.73	1318.90
MW-701	04-23-2018	1331.63	TPVC	12.38	1319.25
MW-701	07-10-2018	1331.63	TPVC	12.47	1319.16
MW-701	11-06-2018	1331.63	TPVC	13.28	1318.35
MW-701	04-23-2019	1331.63	TPVC	13.10	1318.53
MW-701	07-09-2019	1331.63	TPVC	12.98	1318.65
MW-701	11-04-2019	1331.63	TPVC	14.08	1317.55
MW-701	01-07-2020	1331.63	TPVC	15.35	1316.28
MW-701	04-20-2020	1331.63	TPVC	14.45	1317.18
MW-701	07-15-2020	1331.63	TPVC	13.37	1318.26
MW-701	11-02-2020	1331.63	TPVC	14.08	1317.55
MW-701	01-13-2021	1331.63	TPVC	14.45	1317.18
MW-701	04-19-2021	1331.63	TPVC	14.55	1317.08
MW-701	07-06-2021	1331.63	TPVC	14.48	1317.15
MW-701	11-01-2021	1331.63	TPVC	15.09	1316.54
MW-701	01-06-2022	1331.63	TPVC	15.62	1316.01
MW-701	04-18-2022	1331.63	TPVC	14.97	1316.66
MW-701	07-12-2022	1331.63	TPVC	16.16	1315.47
MW-701	11-02-2022	1331.63	TPVC	16.48	1315.15

TABLE B.1B
Water Level - Depth and Elevation Post-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-009

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
MW-701	01-04-2023	1331.63	TPVC	15.81	1315.82
MW-701	04-19-2023	1331.63	TPVC	15.76	1315.87
MW-701	07-12-2023	1331.63	TPVC	13.86	1317.77
MW-701	11-06-2023	1331.63	TPVC	13.96	1317.67
MW-701	01-02-2024	1331.63	TPVC	13.16	1318.47
MW-701	04-16-2024	1331.63	TPVC	12.61	1319.02
MW-701	07-23-2024	1331.63	TPVC	14.08	1317.55
MW-802	04-06-2009	1350.55	TPVC	44.14	1306.41
MW-802	07-13-2009	1350.55	TPVC	43.97	1306.58
MW-802	11-09-2009	1350.55	TPVC	44.22	1306.33
MW-802	04-07-2010	1350.55	TPVC	44.32	1306.23
MW-802	07-12-2010	1350.55	TPVC	44.06	1306.49
MW-802	11-01-2010	1350.55	TPVC	43.84	1306.71
MW-802	04-18-2011	1350.55	TPVC	43.24	1307.31
MW-802	07-12-2011	1350.55	TPVC	43.20	1307.35
MW-802	10-04-2011	1350.55	TPVC	43.60	1306.95
MW-802	11-01-2011	1350.55	TPVC	43.90	1306.65
MW-802	12-08-2011	1350.55	TPVC	44.33	1306.22
MW-802	01-10-2012	1350.55	TPVC	44.43	1306.12
MW-802	02-07-2012	1350.55	TPVC	44.67	1305.88
MW-802	03-06-2012	1350.55	TPVC	44.96	1305.59
MW-802	04-10-2012	1350.55	TPVC	45.26	1305.29
MW-802	05-16-2012	1350.55	TPVC	45.22	1305.33
MW-802	06-12-2012	1350.55	TPVC	45.28	1305.27
MW-802	07-17-2012	1350.55	TPVC	45.47	1305.08
MW-802	08-20-2012	1350.55	TPVC	45.44	1305.11
MW-802	09-14-2012	1350.55	TPVC	45.51	1305.04
MW-802	10-18-2012	1350.55	TPVC	45.72	1304.83
MW-802	11-07-2012	1350.55	TPVC	45.79	1304.76
MW-802	12-04-2012	1350.55	TPVC	45.98	1304.57
MW-802	01-15-2013	1350.55	TPVC	46.01	1304.54
MW-802	02-12-2013	1350.55	TPVC	46.08	1304.47
MW-802	02-25-2013	1350.55	TPVC	46.08	1304.47
MW-802	03-13-2013	1350.55	TPVC	46.09	1304.46
MW-802	04-10-2013	1350.55	TPVC	46.14	1304.41
MW-802	07-08-2013	1350.55	TPVC	45.70	1304.85
MW-802	11-07-2013	1350.55	TPVC	45.31	1305.24
MW-802	04-23-2014	1350.55	TPVC	45.22	1305.33
MW-802	07-15-2014	1350.55	TPVC	45.21	1305.34
MW-802	11-05-2014	1350.55	TPVC	45.78	1304.77
MW-802	04-14-2015	1350.55	TPVC	46.35	1304.20
MW-802	07-20-2015	1350.55	TPVC	46.15	1304.40
MW-802	11-10-2015	1350.55	TPVC	46.70	1303.85
MW-802	04-12-2016	1350.55	TPVC	46.77	1303.78
MW-802	07-11-2016	1350.55	TPVC	46.92	1303.63
MW-802	11-07-2016	1350.55	TPVC	47.33	1303.22
MW-802	04-04-2017	1350.55	TPVC	47.16	1303.39
MW-802	07-25-2017	1350.55	TPVC	46.65	1303.90
MW-802	11-07-2017	1350.55	TPVC	46.86	1303.69
MW-802	04-23-2018	1350.55	TPVC	46.59	1303.96
MW-802	07-11-2018	1350.55	TPVC	46.69	1303.86
MW-802	11-05-2018	1350.55	TPVC	47.22	1303.33
MW-802	04-23-2019	1350.55	TPVC	46.65	1303.90
MW-802	07-08-2019	1350.55	TPVC	46.49	1304.06
MW-802	11-05-2019	1350.55	TPVC	46.11	1304.44
MW-802	04-20-2020	1350.55	TPVC	45.76	1304.79
MW-802	07-15-2020	1350.55	TPVC	46.29	1304.26
MW-802	11-04-2020	1350.55	TPVC	46.52	1304.03
MW-802	04-22-2021	1350.55	TPVC	46.67	1303.88
MW-802	07-07-2021	1350.55	TPVC	47.09	1303.46
MW-802	09-29-2021	1350.55	TPVC	47.28	1303.27
MW-802	11-01-2021	1350.55	TPVC	47.53	1303.02
MW-802	02-22-2022	1350.55	TPVC	47.73	1302.82
MW-802	04-18-2022	1350.55	TPVC	47.40	1303.15
MW-802	04-20-2022	1350.55	TPVC	47.47	1303.08
MW-802	06-08-2022	1350.55	TPVC	47.53	1303.02
MW-802	07-11-2022	1350.55	TPVC	47.67	1302.88
MW-802	11-01-2022	1350.55	TPVC	47.98	1302.57
MW-802	04-19-2023	1350.55	TPVC	47.56	1302.99
MW-802	07-12-2023	1350.55	TPVC	47.40	1303.15
MW-802	11-07-2023	1350.55	TPVC	46.69	1303.86
MW-802	04-16-2024	1350.55	TPVC	45.29	1305.26
MW-802	07-23-2024	1350.55	TPVC	44.97	1305.58
MW-803	04-06-2009	1346.38	TPVC	40.15	1306.23
MW-803	07-13-2009	1346.38	TPVC	39.94	1306.44
MW-803	11-09-2009	1346.38	TPVC	40.18	1306.20
MW-803	04-07-2010	1346.38	TPVC	40.28	1306.10
MW-803	07-12-2010	1346.38	TPVC	40.01	1306.37
MW-803	11-01-2010	1346.38	TPVC	39.78	1306.60
MW-803	04-18-2011	1346.38	TPVC	39.19	1307.19
MW-803	07-13-2011	1346.38	TPVC	39.14	1307.24
MW-803	11-01-2011	1346.38	TPVC	39.88	1306.50
MW-803	04-10-2012	1346.38	TPVC	41.18	1305.20
MW-803	07-17-2012	1346.38	TPVC	41.39	1304.99
MW-803	11-07-2012	1346.38	TPVC	41.69	1304.69
MW-803	04-10-2013	1346.38	TPVC	42.05	1304.33
MW-803	07-08-2013	1346.38	TPVC	41.60	1304.78
MW-803	11-07-2013	1346.38	TPVC	41.23	1305.15

TABLE B.1B
Water Level - Depth and Elevation Post-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-009

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
MW-803	04-23-2014	1346.38	TPVC	41.07	1305.31
MW-803	07-15-2014	1346.38	TPVC	41.01	1305.37
MW-803	11-05-2014	1346.38	TPVC	41.63	1304.75
MW-803	04-14-2015	1346.38	TPVC	42.21	1304.17
MW-803	07-20-2015	1346.38	TPVC	41.94	1304.44
MW-803	11-10-2015	1346.38	TPVC	42.34	1304.04
MW-803	04-12-2016	1346.38	TPVC	42.55	1303.83
MW-803	07-11-2016	1346.38	TPVC	42.73	1303.65
MW-803	11-07-2016	1346.38	TPVC	43.16	1303.22
MW-803	04-04-2017	1346.38	TPVC	42.92	1303.46
MW-803	07-25-2017	1346.38	TPVC	42.40	1303.98
MW-803	11-08-2017	1346.38	TPVC	42.53	1303.85
MW-803	11-29-2017	1346.38	TPVC	42.51	1303.87
MW-803	04-24-2018	1346.38	TPVC	42.31	1304.07
MW-803	07-11-2018	1346.38	TPVC	42.43	1303.95
MW-803	11-05-2018	1346.38	TPVC	42.99	1303.39
MW-803	04-23-2019	1346.38	TPVC	42.40	1303.98
MW-803	07-09-2019	1346.38	TPVC	42.39	1303.99
MW-803	11-05-2019	1346.38	TPVC	41.83	1304.55
MW-803	04-20-2020	1346.38	TPVC	41.49	1304.89
MW-803	07-15-2020	1346.38	TPVC	42.08	1304.30
MW-803	11-04-2020	1346.38	TPVC	42.27	1304.11
MW-803	04-22-2021	1346.38	TPVC	42.44	1303.94
MW-803	05-27-2021	1346.38	TPVC	42.48	1303.90
MW-803	07-07-2021	1346.38	TPVC	42.88	1303.50
MW-803	09-29-2021	1346.38	TPVC	43.02	1303.36
MW-803	11-01-2021	1346.38	TPVC	43.30	1303.08
MW-803	02-22-2022	1346.38	TPVC	43.48	1302.90
MW-803	04-18-2022	1346.38	TPVC	43.15	1303.23
MW-803	04-20-2022	1346.38	TPVC	43.22	1303.16
MW-803	06-08-2022	1346.38	TPVC	43.28	1303.10
MW-803	07-11-2022	1346.38	TPVC	43.41	1302.97
MW-803	11-01-2022	1346.38	TPVC	43.75	1302.63
MW-803	04-19-2023	1346.38	TPVC	43.34	1303.04
MW-803	07-12-2023	1346.38	TPVC	43.02	1303.36
MW-803	11-07-2023	1346.38	TPVC	42.32	1304.06
MW-803	04-16-2024	1346.38	TPVC	40.91	1305.47
MW-803	07-23-2024	1346.38	TPVC	40.62	1305.76
B-915U	01-24-2012	1338.20	TPVC	25.77	1312.43
B-915U	02-07-2012	1338.20	TPVC	25.95	1312.25
B-915U	03-06-2012	1338.20	TPVC	26.95	1311.25
B-915U	04-11-2012	1338.20	TPVC	26.62	1311.58
B-915U	05-16-2012	1338.20	TPVC	25.63	1312.57
B-915U	06-11-2012	1338.20	TPVC	25.45	1312.75
B-915U	09-13-2012	1338.20	TPVC	25.65	1312.55
B-915U	04-22-2014	1338.20	TPVC	25.60	1312.60
B-915U	07-15-2014	1338.20	TPVC	25.31	1312.89
B-915U	07-21-2015	1338.20	TPVC	26.22	1311.98
B-915U	11-09-2015	1338.20	TPVC	24.24	1313.96
B-915U	04-12-2016	1338.20	TPVC	22.64	1315.56
B-915U	07-13-2016	1338.20	TPVC	23.08	1315.12
B-915U	11-08-2016	1338.20	TPVC	23.67	1314.53
B-915U	04-04-2017	1338.20	TPVC	23.95	1314.25
B-915U	07-25-2017	1338.20	TPVC	22.49	1315.71
B-915U	11-07-2017	1338.20	TPVC	22.77	1315.43
B-915U	04-23-2018	1338.20	TPVC	22.92	1315.28
B-915U	07-09-2018	1338.20	TPVC	23.09	1315.11
B-915U	11-06-2018	1338.20	TPVC	25.04	1313.16
B-915U	04-23-2019	1338.20	TPVC	22.70	1315.50
B-915U	07-09-2019	1338.20	TPVC	21.89	1316.31
B-915U	11-05-2019	1338.20	TPVC	21.78	1316.42
B-915U	04-21-2020	1338.20	TPVC	22.05	1316.15
B-915U	07-15-2020	1338.20	TPVC	22.23	1315.97
B-915U	11-02-2020	1338.20	TPVC	24.30	1313.90
B-915U	04-20-2021	1338.20	TPVC	25.13	1313.07
B-915U	07-06-2021	1338.20	TPVC	26.37	1311.83
B-915U	09-29-2021	1338.20	TPVC	26.44	1311.76
B-915U	11-02-2021	1338.20	TPVC	25.70	1312.50
B-915U	02-22-2022	1338.20	TPVC	26.59	1311.61
B-915U	04-18-2022	1338.20	TPVC	23.92	1314.28
B-915U	04-20-2022	1338.20	TPVC	23.77	1314.43
B-915U	06-08-2022	1338.20	TPVC	24.44	1313.76
B-915U	07-12-2022	1338.20	TPVC	26.49	1311.71
B-915U	11-01-2022	1338.20	TPVC	25.49	1312.71
B-915U	04-18-2023	1338.20	TPVC	24.31	1313.89
B-915U	07-11-2023	1338.20	TPVC	22.33	1315.87
B-915U	11-06-2023	1338.20	TPVC	23.57	1314.63
B-915U	04-16-2024	1338.20	TPVC	21.27	1316.93
B-915U	07-23-2024	1338.20	TPVC	22.85	1315.35
B-915M	01-24-2012	1338.09	TPVC	30.76	1307.33
B-915M	02-07-2012	1338.09	TPVC	31.03	1307.06
B-915M	03-06-2012	1338.09	TPVC	31.53	1306.56
B-915M	04-11-2012	1338.09	TPVC	31.51	1306.58
B-915M	05-16-2012	1338.09	TPVC	31.09	1307.00
B-915M	06-11-2012	1338.09	TPVC	31.15	1306.94
B-915M	09-13-2012	1338.09	TPVC	31.23	1306.86
B-915M	04-22-2014	1338.09	TPVC	31.34	1306.75
B-915M	07-15-2014	1338.09	TPVC	30.86	1307.23

TABLE B.1B
Water Level - Depth and Elevation Post-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-009

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-915M	07-21-2015	1338.09	TPVC	31.56	1306.53
B-915M	11-09-2015	1338.09	TPVC	32.08	1306.01
B-915M	04-12-2016	1338.09	TPVC	32.73	1305.36
B-915M	07-13-2016	1338.09	TPVC	31.54	1306.55
B-915M	11-08-2016	1338.09	TPVC	32.46	1305.63
B-915M	04-04-2017	1338.09	TPVC	32.65	1305.44
B-915M	07-25-2017	1338.09	TPVC	31.50	1306.59
B-915M	11-07-2017	1338.09	TPVC	32.08	1306.01
B-915M	04-23-2018	1338.09	TPVC	31.90	1306.19
B-915M	07-09-2018	1338.09	TPVC	31.16	1306.93
B-915M	11-06-2018	1338.09	TPVC	32.19	1305.90
B-915M	04-23-2019	1338.09	TPVC	32.27	1305.82
B-915M	07-09-2019	1338.09	TPVC	31.21	1306.88
B-915M	11-05-2019	1338.09	TPVC	31.82	1306.27
B-915M	04-21-2020	1338.09	TPVC	31.35	1306.74
B-915M	07-15-2020	1338.09	TPVC	31.51	1306.58
B-915M	11-02-2020	1338.09	TPVC	32.21	1305.88
B-915M	04-20-2021	1338.09	TPVC	32.40	1305.69
B-915M	07-06-2021	1338.09	TPVC	32.41	1305.68
B-915M	09-29-2021	1338.09	TPVC	33.06	1305.03
B-915M	11-02-2021	1338.09	TPVC	33.30	1304.79
B-915M	04-20-2022	1338.09	TPVC	33.15	1304.94
B-915M	07-12-2022	1338.09	TPVC	32.89	1305.20
B-915M	11-01-2022	1338.09	TPVC	33.35	1304.74
B-915M	04-18-2023	1338.09	TPVC	32.36	1305.73
B-915M	07-11-2023	1338.09	TPVC	31.98	1306.11
B-915M	11-06-2023	1338.09	TPVC	31.69	1306.40
B-915M	04-16-2024	1338.09	TPVC	30.46	1307.63
B-915M	07-23-2024	1338.09	TPVC	30.52	1307.57
B-915D	01-24-2012	1338.16	TPVC	30.41	1307.75
B-915D	02-07-2012	1338.16	TPVC	30.67	1307.49
B-915D	03-06-2012	1338.16	TPVC	31.18	1306.98
B-915D	04-11-2012	1338.16	TPVC	31.14	1307.02
B-915D	05-16-2012	1338.16	TPVC	30.73	1307.43
B-915D	06-11-2012	1338.16	TPVC	31.80	1306.36
B-915D	09-13-2012	1338.16	TPVC	30.88	1307.28
B-915D	04-22-2014	1338.16	TPVC	30.97	1307.19
B-915D	07-16-2014	1338.16	TPVC	30.52	1307.64
B-915D	07-21-2015	1338.16	TPVC	31.21	1306.95
B-915D	11-09-2015	1338.16	TPVC	31.73	1306.43
B-915D	04-12-2016	1338.16	TPVC	31.37	1306.79
B-915D	07-13-2016	1338.16	TPVC	31.20	1306.96
B-915D	11-08-2016	1338.16	TPVC	32.11	1306.05
B-915D	04-04-2017	1338.16	TPVC	32.29	1305.87
B-915D	07-25-2017	1338.16	TPVC	31.15	1307.01
B-915D	11-07-2017	1338.16	TPVC	31.72	1306.44
B-915D	04-23-2018	1338.16	TPVC	31.53	1306.63
B-915D	07-09-2018	1338.16	TPVC	30.82	1307.34
B-915D	11-06-2018	1338.16	TPVC	31.93	1306.23
B-915D	04-23-2019	1338.16	TPVC	31.92	1306.24
B-915D	07-09-2019	1338.16	TPVC	30.85	1307.31
B-915D	11-05-2019	1338.16	TPVC	31.47	1306.69
B-915D	04-21-2020	1338.16	TPVC	30.99	1307.17
B-915D	07-15-2020	1338.16	TPVC	31.16	1307.00
B-915D	11-02-2020	1338.16	TPVC	31.85	1306.31
B-915D	04-20-2021	1338.16	TPVC	32.08	1306.08
B-915D	07-06-2021	1338.16	TPVC	32.06	1306.10
B-915D	09-29-2021	1338.16	TPVC	32.71	1305.45
B-915D	11-02-2021	1338.16	TPVC	32.96	1305.20
B-915D	04-20-2022	1338.16	TPVC	32.80	1305.36
B-915D	07-12-2022	1338.16	TPVC	32.53	1305.63
B-915D	11-01-2022	1338.16	TPVC	33.00	1305.16
B-915D	04-18-2023	1338.16	TPVC	32.05	1306.11
B-915D	07-11-2023	1338.16	TPVC	31.62	1306.54
B-915D	11-06-2023	1338.16	TPVC	31.33	1306.83
B-915D	04-16-2024	1338.16	TPVC	30.10	1308.06
B-915D	07-23-2024	1338.16	TPVC	31.16	1307.00
B-916U	01-24-2012	1323.76	TPVC	15.40	1308.36
B-916U	02-07-2012	1323.76	TPVC	14.90	1308.86
B-916U	03-06-2012	1323.76	TPVC	17.33	1306.43
B-916U	04-11-2012	1323.76	TPVC	16.44	1307.32
B-916U	05-16-2012	1323.76	TPVC	13.83	1309.93
B-916U	06-11-2012	1323.76	TPVC	14.09	1309.67
B-916U	09-13-2012	1323.76	TPVC	15.12	1308.64
B-916U	04-21-2014	1323.76	TPVC	14.75	1309.01
B-916U	07-15-2014	1323.76	TPVC	15.07	1308.69
B-916U	07-21-2015	1323.76	TPVC	14.65	1309.11
B-916U	11-09-2015	1323.76	TPVC	15.56	1308.20
B-916U	04-12-2016	1323.76	TPVC	10.67	1313.09
B-916U	07-13-2016	1323.76	TPVC	13.25	1310.51
B-916U	11-08-2016	1323.76	TPVC	13.47	1310.29
B-916U	04-04-2017	1323.76	TPVC	10.80	1312.96
B-916U	07-24-2017	1323.76	TPVC	10.00	1313.76
B-916U	11-08-2017	1323.76	TPVC	11.36	1312.40
B-916U	04-24-2018	1323.76	TPVC	9.45	1314.31
B-916U	07-09-2018	1323.76	TPVC	11.63	1312.13
B-916U	11-06-2018	1323.76	TPVC	16.87	1306.89
B-916U	04-22-2019	1323.76	TPVC	9.06	1314.70

TABLE B.1B
Water Level - Depth and Elevation Post-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-009

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-916U	07-09-2019	1323.76	TPVC	9.03	1314.73
B-916U	11-05-2019	1323.76	TPVC	8.40	1315.36
B-916U	04-21-2020	1323.76	TPVC	8.80	1314.96
B-916U	07-15-2020	1323.76	TPVC	10.22	1313.54
B-916U	11-02-2020	1323.76	TPVC	13.11	1310.65
B-916U	04-19-2021	1323.76	TPVC	13.61	1310.15
B-916U	07-06-2021	1323.76	TPVC	16.95	1306.81
B-916U	09-29-2021	1323.76	TPVC	17.35	1306.41
B-916U	11-02-2021	1323.76	TPVC	16.90	1306.86
B-916U	02-22-2022	1323.76	TPVC	17.41	1306.35
B-916U	04-18-2022	1323.76	TPVC	11.01	1312.75
B-916U	06-08-2022	1323.76	TPVC	12.91	1310.85
B-916U	07-12-2022	1323.76	TPVC	16.45	1307.31
B-916U	11-01-2022	1323.76	TPVC	15.43	1308.33
B-916U	04-18-2023	1323.76	TPVC	11.66	1312.10
B-916U	07-10-2023	1323.76	TPVC	10.43	1313.33
B-916U	11-08-2023	1323.76	TPVC	12.93	1310.83
B-916U	04-16-2024	1323.76	TPVC	7.62	1316.14
B-916U	07-23-2024	1323.76	TPVC	10.58	1313.18
B-916M	02-07-2012	1323.91	TPVC	40.74	1283.17
B-916M	03-06-2012	1323.91	TPVC	41.33	1282.58
B-916M	04-11-2012	1323.91	TPVC	41.17	1282.74
B-916M	05-16-2012	1323.91	TPVC	40.65	1283.26
B-916M	06-11-2012	1323.91	TPVC	40.66	1283.25
B-916M	09-13-2012	1323.91	TPVC	41.44	1282.47
B-916M	04-21-2014	1323.91	TPVC	41.57	1282.34
B-916M	07-16-2014	1323.91	TPVC	41.31	1282.60
B-916M	07-21-2015	1323.91	TPVC	41.75	1282.16
B-916M	11-09-2015	1323.91	TPVC	42.47	1281.44
B-916M	04-12-2016	1323.91	TPVC	42.02	1281.89
B-916M	07-13-2016	1323.91	TPVC	41.95	1281.96
B-916M	11-08-2016	1323.91	TPVC	42.94	1280.97
B-916M	04-04-2017	1323.91	TPVC	43.19	1280.72
B-916M	07-24-2017	1323.91	TPVC	41.78	1282.13
B-916M	11-08-2017	1323.91	TPVC	42.33	1281.58
B-916M	04-24-2018	1323.91	TPVC	42.15	1281.76
B-916M	07-09-2018	1323.91	TPVC	41.71	1282.20
B-916M	11-06-2018	1323.91	TPVC	42.98	1280.93
B-916M	04-22-2019	1323.91	TPVC	42.96	1280.95
B-916M	07-09-2019	1323.91	TPVC	41.64	1282.27
B-916M	11-05-2019	1323.91	TPVC	42.45	1281.46
B-916M	04-21-2020	1323.91	TPVC	41.86	1282.05
B-916M	07-15-2020	1323.91	TPVC	42.17	1281.74
B-916M	11-02-2020	1323.91	TPVC	42.94	1280.97
B-916M	04-19-2021	1323.91	TPVC	43.04	1280.87
B-916M	07-06-2021	1323.91	TPVC	43.02	1280.89
B-916M	09-29-2021	1323.91	TPVC	43.74	1280.17
B-916M	11-02-2021	1323.91	TPVC	44.97	1278.94
B-916M	04-18-2022	1323.91	TPVC	43.66	1280.25
B-916M	07-12-2022	1323.91	TPVC	43.38	1280.53
B-916M	11-01-2022	1323.91	TPVC	43.87	1280.04
B-916M	04-18-2023	1323.91	TPVC	42.74	1281.17
B-916M	07-10-2023	1323.91	TPVC	42.38	1281.53
B-916M	11-08-2023	1323.91	TPVC	42.52	1281.39
B-916M	04-16-2024	1323.91	TPVC	41.16	1282.75
B-916M	07-23-2024	1323.91	TPVC	43.31	1280.60
B-916D	01-24-2012	1323.99	TPVC	52.56	1271.43
B-916D	02-07-2012	1323.99	TPVC	52.49	1271.50
B-916D	03-06-2012	1323.99	TPVC	53.17	1270.82
B-916D	04-11-2012	1323.99	TPVC	52.95	1271.04
B-916D	05-16-2012	1323.99	TPVC	52.37	1271.62
B-916D	06-11-2012	1323.99	TPVC	52.47	1271.52
B-916D	09-13-2012	1323.99	TPVC	53.26	1270.73
B-916D	04-21-2014	1323.99	TPVC	53.22	1270.77
B-916D	07-16-2014	1323.99	TPVC	52.79	1271.20
B-916D	07-21-2015	1323.99	TPVC	53.20	1270.79
B-916D	11-09-2015	1323.99	TPVC	53.92	1270.07
B-916D	04-12-2016	1323.99	TPVC	53.16	1270.83
B-916D	07-13-2016	1323.99	TPVC	53.13	1270.86
B-916D	11-08-2016	1323.99	TPVC	54.59	1269.40
B-916D	04-04-2017	1323.99	TPVC	54.53	1269.46
B-916D	07-24-2017	1323.99	TPVC	52.84	1271.15
B-916D	11-08-2017	1323.99	TPVC	53.40	1270.59
B-916D	04-24-2018	1323.99	TPVC	53.04	1270.95
B-916D	07-10-2018	1323.99	TPVC	52.55	1271.44
B-916D	07-26-2018	1323.99	TPVC	53.61	1270.38
B-916D	11-06-2018	1323.99	TPVC	54.05	1269.94
B-916D	04-22-2019	1323.99	TPVC	53.88	1270.11
B-916D	07-09-2019	1323.99	TPVC	52.61	1271.38
B-916D	11-05-2019	1323.99	TPVC	53.22	1270.77
B-916D	04-21-2020	1323.99	TPVC	52.64	1271.35
B-916D	07-15-2020	1323.99	TPVC	52.81	1271.18
B-916D	11-02-2020	1323.99	TPVC	53.63	1270.36
B-916D	04-19-2021	1323.99	TPVC	53.60	1270.39
B-916D	07-06-2021	1323.99	TPVC	53.45	1270.54
B-916D	09-29-2021	1323.99	TPVC	54.09	1269.90
B-916D	11-02-2021	1323.99	TPVC	54.10	1269.89
B-916D	04-18-2022	1323.99	TPVC	54.15	1269.84

TABLE B.1B
Water Level - Depth and Elevation Post-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-009

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-916D	07-12-2022	1323.99	TPVC	53.68	1270.31
B-916D	11-01-2022	1323.99	TPVC	54.23	1269.76
B-916D	04-18-2023	1323.99	TPVC	52.81	1271.18
B-916D	07-10-2023	1323.99	TPVC	52.57	1271.42
B-916D	11-08-2023	1323.99	TPVC	52.41	1271.58
B-916D	04-16-2024	1323.99	TPVC	51.04	1272.95
B-916D	07-23-2024	1323.99	TPVC	51.27	1272.72
B-917U	01-24-2012	1325.14	TPVC	29.82	1295.32
B-917U	02-07-2012	1325.14	TPVC	30.23	1294.91
B-917U	03-06-2012	1325.14	TPVC	30.83	1294.31
B-917U	04-11-2012	1325.14	TPVC	30.70	1294.44
B-917U	05-16-2012	1325.14	TPVC	28.54	1296.60
B-917U	06-11-2012	1325.14	TPVC	28.34	1296.80
B-917U	09-13-2012	1325.14	TPVC	30.39	1294.75
B-917U	04-21-2014	1325.14	TPVC	30.29	1294.85
B-917U	07-16-2014	1325.14	TPVC	28.41	1296.73
B-917U	07-21-2015	1325.14	TPVC	28.79	1296.35
B-917U	11-09-2015	1325.14	TPVC	31.91	1293.23
B-917U	04-12-2016	1325.14	TPVC	29.93	1295.21
B-917U	07-13-2016	1325.14	TPVC	30.01	1295.13
B-917U	11-08-2016	1325.14	TPVC	32.84	1292.30
B-917U	04-04-2017	1325.14	TPVC	33.07	1292.07
B-917U	07-24-2017	1325.14	TPVC	28.78	1296.36
B-917U	11-08-2017	1325.14	TPVC	31.65	1293.49
B-917U	04-24-2018	1325.14	TPVC	30.07	1295.07
B-917U	07-10-2018	1325.14	TPVC	29.08	1296.06
B-917U	11-06-2018	1325.14	TPVC	32.52	1292.62
B-917U	04-23-2019	1325.14	TPVC	31.16	1293.98
B-917U	07-09-2019	1325.14	TPVC	28.05	1297.09
B-917U	11-05-2019	1325.14	TPVC	31.43	1293.71
B-917U	04-21-2020	1325.14	TPVC	29.03	1296.11
B-917U	07-15-2020	1325.14	TPVC	29.84	1295.30
B-917U	11-02-2020	1325.14	TPVC	32.40	1292.74
B-917U	04-19-2021	1325.14	TPVC	31.59	1293.55
B-917U	07-06-2021	1325.14	TPVC	30.93	1294.21
B-917U	09-29-2021	1325.14	TPVC	33.02	1292.12
B-917U	11-02-2021	1325.14	TPVC	33.45	1291.69
B-917U	02-22-2022	1325.14	TPVC	34.11	1291.03
B-917U	04-18-2022	1325.14	TPVC	32.26	1292.88
B-917U	06-08-2022	1325.14	TPVC	30.62	1294.52
B-917U	07-12-2022	1325.14	TPVC	31.52	1293.62
B-917U	11-01-2022	1325.14	TPVC	33.74	1291.40
B-917U	04-18-2023	1325.14	TPVC	30.49	1294.65
B-917U	07-10-2023	1325.14	TPVC	30.01	1295.13
B-917U	11-08-2023	1325.14	TPVC	30.81	1294.33
B-917U	04-16-2024	1325.14	TPVC	25.18	1299.96
B-917U	07-22-2024	1325.14	TPVC	28.79	1296.35
B-909	01-24-2012	1325.50	TPVC	31.82	1293.68
B-909	02-07-2012	1325.50	TPVC	32.13	1293.37
B-909	03-06-2012	1325.50	TPVC	32.64	1292.86
B-909	04-11-2012	1325.50	TPVC	32.56	1292.94
B-909	05-16-2012	1325.50	TPVC	31.56	1293.94
B-909	06-11-2012	1325.50	TPVC	31.62	1293.88
B-909	09-13-2012	1325.50	TPVC	32.34	1293.16
B-909	04-21-2014	1325.50	TPVC	32.28	1293.22
B-909	07-16-2014	1325.50	TPVC	31.32	1294.18
B-909	07-21-2015	1325.50	TPVC	31.82	1293.68
B-909	11-09-2015	1325.50	TPVC	33.40	1292.10
B-909	04-12-2016	1325.50	TPVC	32.27	1293.23
B-909	07-13-2016	1325.50	TPVC	32.21	1293.29
B-909	11-08-2016	1325.50	TPVC	33.85	1291.65
B-909	04-04-2017	1325.50	TPVC	34.05	1291.45
B-909	07-24-2017	1325.50	TPVC	31.66	1293.84
B-909	11-08-2017	1325.50	TPVC	33.03	1292.47
B-909	04-24-2018	1325.50	TPVC	32.15	1293.35
B-909	07-10-2018	1325.50	TPVC	31.56	1293.94
B-909	11-06-2018	1325.50	TPVC	33.58	1291.92
B-909	04-23-2019	1325.50	TPVC	32.98	1292.52
B-909	07-09-2019	1325.50	TPVC	31.19	1294.31
B-909	11-05-2019	1325.50	TPVC	32.82	1292.68
B-909	04-21-2020	1325.50	TPVC	31.76	1293.74
B-909	07-15-2020	1325.50	TPVC	32.00	1293.50
B-909	11-02-2020	1325.50	TPVC	33.41	1292.09
B-909	04-19-2021	1325.50	TPVC	33.20	1292.30
B-909	07-06-2021	1325.50	TPVC	32.81	1292.69
B-909	09-29-2021	1325.50	TPVC	34.23	1291.27
B-909	11-02-2021	1325.50	TPVC	34.50	1291.00
B-909	04-18-2022	1325.50	TPVC	33.73	1291.77
B-909	07-12-2022	1325.50	TPVC	33.37	1292.13
B-909	11-01-2022	1325.50	TPVC	34.61	1290.89
B-909	04-18-2023	1325.50	TPVC	32.48	1293.02
B-909	07-10-2023	1325.50	TPVC	32.24	1293.26
B-909	11-08-2023	1325.50	TPVC	32.47	1293.03
B-909	04-16-2024	1325.50	TPVC	29.38	1296.12
B-909	07-22-2024	1325.50	TPVC	30.68	1294.82
B-917D	01-24-2012	1325.36	TPVC	29.94	1295.42

TABLE B.1B
Water Level - Depth and Elevation Post-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-009

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-917D	02-07-2012	1325.36	TPVC	30.19	1295.17
B-917D	03-06-2012	1325.36	TPVC	30.70	1294.66
B-917D	04-11-2012	1325.36	TPVC	30.65	1294.71
B-917D	05-16-2012	1325.36	TPVC	30.20	1295.16
B-917D	06-12-2012	1325.36	TPVC	30.20	1295.16
B-917D	09-13-2012	1325.36	TPVC	30.42	1294.94
B-917D	04-21-2014	1325.36	TPVC	30.37	1294.99
B-917D	07-16-2014	1325.36	TPVC	29.95	1295.41
B-917D	07-21-2015	1325.36	TPVC	30.53	1294.83
B-917D	11-09-2015	1325.36	TPVC	31.10	1294.26
B-917D	04-12-2016	1325.36	TPVC	30.65	1294.71
B-917D	07-13-2016	1325.36	TPVC	30.51	1294.85
B-917D	11-08-2016	1325.36	TPVC	31.39	1293.97
B-917D	04-04-2017	1325.36	TPVC	31.54	1293.82
B-917D	07-24-2017	1325.36	TPVC	30.34	1295.02
B-917D	11-08-2017	1325.36	TPVC	30.90	1294.46
B-917D	04-24-2018	1325.36	TPVC	30.57	1294.79
B-917D	07-10-2018	1325.36	TPVC	30.10	1295.26
B-917D	11-06-2018	1325.36	TPVC	31.35	1294.01
B-917D	04-23-2019	1325.36	TPVC	31.20	1294.16
B-917D	07-09-2019	1325.36	TPVC	30.20	1295.16
B-917D	11-05-2019	1325.36	TPVC	30.82	1294.54
B-917D	04-21-2020	1325.36	TPVC	30.36	1295.00
B-917D	07-15-2020	1325.36	TPVC	30.56	1294.80
B-917D	11-02-2020	1325.36	TPVC	31.37	1293.99
B-917D	04-19-2021	1325.36	TPVC	31.46	1293.90
B-917D	07-06-2021	1325.36	TPVC	31.48	1293.88
B-917D	09-29-2021	1325.36	TPVC	32.10	1293.26
B-917D	11-02-2021	1325.36	TPVC	32.32	1293.04
B-917D	04-18-2022	1325.36	TPVC	32.03	1293.33
B-917D	07-12-2022	1325.36	TPVC	31.87	1293.49
B-917D	11-01-2022	1325.36	TPVC	32.34	1293.02
B-917D	04-18-2023	1325.36	TPVC	31.27	1294.09
B-917D	07-10-2023	1325.36	TPVC	30.93	1294.43
B-917D	11-08-2023	1325.36	TPVC	30.81	1294.55
B-917D	04-16-2024	1325.36	TPVC	29.39	1295.97
B-917D	07-22-2024	1325.36	TPVC	29.41	1295.95
B-918U	01-24-2012	1329.90	TPVC	22.35	1307.55
B-918U	02-07-2012	1329.90	TPVC	22.60	1307.30
B-918U	03-06-2012	1329.90	TPVC	13.09	1316.81
B-918U	04-11-2012	1329.90	TPVC	23.12	1306.78
B-918U	05-16-2012	1329.90	TPVC	22.65	1307.25
B-918U	06-11-2012	1329.90	TPVC	23.04	1306.86
B-918U	09-13-2012	1329.90	TPVC	23.31	1306.59
B-918U	04-22-2014	1329.90	TPVC	23.49	1306.41
B-918U	07-16-2014	1329.90	TPVC	22.21	1307.69
B-918U	07-21-2015	1330.59	TPVC	24.21	1306.38
B-918U	11-09-2015	1330.59	TPVC	26.03	1304.56
B-918U	04-12-2016	1330.59	TPVC	24.95	1305.64
B-918U	07-12-2016	1330.59	TPVC	26.49	1304.10
B-918U	11-08-2016	1330.59	TPVC	26.92	1303.67
B-918U	04-04-2017	1330.59	TPVC	26.75	1303.84
B-918U	07-24-2017	1330.59	TPVC	26.09	1304.50
B-918U	11-08-2017	1330.59	TPVC	26.72	1303.87
B-918U	04-24-2018	1330.59	TPVC	25.81	1304.78
B-918U	07-09-2018	1330.59	TPVC	26.28	1304.31
B-918U	08-27-2018	1330.59	TPVC	26.64	1303.95
B-918U	11-05-2018	1330.59	TPVC	27.20	1303.39
B-918U	04-22-2019	1330.59	TPVC	26.20	1304.39
B-918U	07-09-2019	1330.59	TPVC	26.02	1304.57
B-918U	11-04-2019	1330.59	TPVC	26.35	1304.24
B-918U	04-20-2020	1330.59	TPVC	25.24	1305.35
B-918U	07-15-2020	1330.59	TPVC	26.20	1304.39
B-918U	11-02-2020	1330.59	TPVC	26.47	1304.12
B-918U	04-19-2021	1330.59	TPVC	26.23	1304.36
B-918U	07-06-2021	1330.59	TPVC	26.91	1303.68
B-918U	09-29-2021	1330.59	TPVC	27.44	1303.15
B-918U	11-02-2021	1330.59	TPVC	27.65	1302.94
B-918U	02-22-2022	1330.59	TPVC	27.70	1302.89
B-918U	04-18-2022	1330.59	TPVC	26.95	1303.64
B-918U	06-08-2022	1330.59	TPVC	27.22	1303.37
B-918U	07-12-2022	1330.59	TPVC	27.62	1302.97
B-918U	11-01-2022	1330.59	TPVC	28.01	1302.58
B-918U	04-19-2023	1330.59	TPVC	26.96	1303.63
B-918U	07-11-2023	1330.59	TPVC	26.94	1303.65
B-918U	11-06-2023	1330.59	TPVC	26.52	1304.07
B-918U	04-16-2024	1330.59	TPVC	24.58	1306.01
B-918U	07-22-2024	1330.59	TPVC	24.75	1305.84
B-918M	01-24-2012	1330.32	TPVC	23.32	1307.00
B-918M	02-07-2012	1330.32	TPVC	23.53	1306.79
B-918M	03-06-2012	1330.32	TPVC	23.88	1306.44
B-918M	04-11-2012	1330.32	TPVC	23.98	1306.34
B-918M	05-16-2012	1330.32	TPVC	23.86	1306.46
B-918M	06-12-2012	1330.32	TPVC	23.94	1306.38
B-918M	09-13-2012	1330.32	TPVC	24.16	1306.16
B-918M	04-22-2014	1330.32	TPVC	24.11	1306.21
B-918M	07-16-2014	1330.32	TPVC	23.79	1306.53
B-918M	07-21-2015	1330.32	TPVC	24.61	1305.71

TABLE B.1B
Water Level - Depth and Elevation Post-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-009

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-918M	11-09-2015	1330.32	TPVC	25.67	1304.65
B-918M	04-12-2016	1330.23	TPVC	25.99	1304.24
B-918M	07-12-2016	1330.23	TPVC	26.05	1304.18
B-918M	11-08-2016	1330.23	TPVC	26.43	1303.80
B-918M	04-04-2017	1330.23	TPVC	26.51	1303.72
B-918M	07-24-2017	1330.23	TPVC	25.99	1304.24
B-918M	11-08-2017	1330.23	TPVC	26.41	1303.82
B-918M	04-24-2018	1330.23	TPVC	25.84	1304.39
B-918M	05-04-2018	1330.23	TPVC	25.85	1304.38
B-918M	07-09-2018	1330.23	TPVC	25.90	1304.33
B-918M	08-27-2018	1330.23	TPVC	26.10	1304.13
B-918M	11-05-2018	1330.23	TPVC	26.58	1303.65
B-918M	04-22-2019	1330.23	TPVC	26.17	1304.06
B-918M	07-09-2019	1330.23	TPVC	25.88	1304.35
B-918M	11-04-2019	1330.23	TPVC	25.88	1304.35
B-918M	01-07-2020	1330.23	TPVC	25.79	1304.44
B-918M	04-20-2020	1330.23	TPVC	25.29	1304.94
B-918M	07-15-2020	1330.23	TPVC	25.72	1304.51
B-918M	11-02-2020	1330.23	TPVC	26.18	1304.05
B-918M	01-13-2021	1330.23	TPVC	25.89	1304.34
B-918M	04-19-2021	1330.23	TPVC	26.05	1304.18
B-918M	07-06-2021	1330.23	TPVC	26.39	1303.84
B-918M	09-29-2021	1330.23	TPVC	26.77	1303.46
B-918M	11-02-2021	1330.23	TPVC	27.00	1303.23
B-918M	01-06-2022	1330.23	TPVC	27.12	1303.11
B-918M	04-18-2022	1330.23	TPVC	26.80	1303.43
B-918M	07-12-2022	1330.23	TPVC	27.09	1303.14
B-918M	11-02-2022	1330.23	TPVC	27.50	1302.73
B-918M	01-04-2023	1330.23	TPVC	27.17	1303.06
B-918M	04-19-2023	1330.23	TPVC	26.90	1303.33
B-918M	07-11-2023	1330.23	TPVC	26.73	1303.50
B-918M	11-06-2023	1330.23	TPVC	26.03	1304.20
B-918M	01-02-2024	1330.23	TPVC	25.71	1304.52
B-918M	04-16-2024	1330.23	TPVC	24.65	1305.58
B-918M	07-22-2024	1330.23	TPVC	24.28	1305.95
B-918D	01-24-2012	1329.89	TPVC	33.33	1296.56
B-918D	02-07-2012	1329.89	TPVC	33.56	1296.33
B-918D	03-06-2012	1329.89	TPVC	34.02	1295.87
B-918D	04-11-2012	1329.89	TPVC	34.00	1295.89
B-918D	05-16-2012	1329.89	TPVC	33.74	1296.15
B-918D	06-12-2012	1329.89	TPVC	33.80	1296.09
B-918D	09-13-2012	1329.89	TPVC	34.08	1295.81
B-918D	04-22-2014	1329.89	TPVC	33.73	1296.16
B-918D	07-16-2014	1329.89	TPVC	33.60	1296.29
B-918D	07-21-2015	1330.57	TPVC	34.93	1295.64
B-918D	11-09-2015	1330.57	TPVC	35.40	1295.17
B-918D	04-12-2016	1330.57	TPVC	35.13	1295.44
B-918D	07-12-2016	1330.57	TPVC	35.08	1295.49
B-918D	11-08-2016	1330.57	TPVC	36.70	1293.87
B-918D	04-04-2017	1330.57	TPVC	36.02	1294.55
B-918D	07-24-2017	1330.57	TPVC	35.26	1295.31
B-918D	11-08-2017	1330.57	TPVC	35.56	1295.01
B-918D	04-24-2018	1330.57	TPVC	35.24	1295.33
B-918D	07-09-2018	1330.57	TPVC	34.95	1295.62
B-918D	08-27-2018	1330.57	TPVC	35.28	1295.29
B-918D	11-05-2018	1330.57	TPVC	35.82	1294.75
B-918D	04-22-2019	1330.57	TPVC	35.85	1294.72
B-918D	07-09-2019	1330.57	TPVC	35.05	1295.52
B-918D	11-04-2019	1330.57	TPVC	35.41	1295.16
B-918D	04-20-2020	1330.57	TPVC	35.00	1295.57
B-918D	07-15-2020	1330.57	TPVC	35.01	1295.56
B-918D	11-02-2020	1330.57	TPVC	35.47	1295.10
B-918D	04-19-2021	1330.57	TPVC	35.71	1294.86
B-918D	07-06-2021	1330.57	TPVC	35.78	1294.79
B-918D	09-29-2021	1330.57	TPVC	36.29	1294.28
B-918D	11-02-2021	1330.57	TPVC	36.50	1294.07
B-918D	04-18-2022	1330.57	TPVC	36.42	1294.15
B-918D	07-12-2022	1330.57	TPVC	36.22	1294.35
B-918D	11-02-2022	1330.57	TPVC	36.60	1293.97
B-918D	04-19-2023	1330.57	TPVC	35.82	1294.75
B-918D	07-11-2023	1330.57	TPVC	35.39	1295.18
B-918D	11-06-2023	1330.57	TPVC	34.08	1296.49
B-918D	04-16-2024	1330.57	TPVC	33.96	1296.61
B-918D	07-22-2024	1330.57	TPVC	33.89	1296.68
B-919U	03-18-2009	1344.27	TPVC	38.51	1305.76
B-919U	04-07-2009	1344.27	TPVC	38.33	1305.94
B-919U	05-19-2009	1344.27	TPVC	38.04	1306.23
B-919U	06-10-2009	1344.27	TPVC	37.96	1306.31
B-919U	07-14-2009	1344.27	TPVC	37.73	1306.54
B-919U	08-24-2009	1344.27	TPVC	37.75	1306.52
B-919U	09-15-2009	1344.27	TPVC	37.87	1306.40
B-919U	10-14-2009	1344.27	TPVC	38.24	1306.03
B-919U	11-10-2009	1344.27	TPVC	38.34	1305.93
B-919U	12-08-2009	1344.27	TPVC	38.36	1305.91
B-919U	01-07-2010	1344.27	TPVC	38.47	1305.80
B-919U	02-09-2010	1344.27	TPVC	38.64	1305.63
B-919U	03-09-2010	1344.27	TPVC	38.78	1305.49
B-919U	04-07-2010	1344.27	TPVC	38.28	1305.99

TABLE B.1B
Water Level - Depth and Elevation Post-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-009

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-919U	05-25-2010	1344.27	TPVC	37.69	1306.58
B-919U	06-15-2010	1344.27	TPVC	37.88	1306.39
B-919U	07-13-2010	1344.27	TPVC	37.66	1306.61
B-919U	08-09-2010	1344.27	TPVC	37.41	1306.86
B-919U	09-08-2010	1344.27	TPVC	37.73	1306.54
B-919U	10-05-2010	1344.27	TPVC	37.85	1306.42
B-919U	11-02-2010	1344.27	TPVC	37.66	1306.61
B-919U	12-02-2010	1344.27	TPVC	37.65	1306.62
B-919U	01-13-2011	1344.27	TPVC	37.72	1306.55
B-919U	02-16-2011	1344.27	TPVC	38.01	1306.26
B-919U	04-18-2011	1344.27	TPVC	37.32	1306.95
B-919U	07-12-2011	1344.27	TPVC	37.10	1307.17
B-919U	11-01-2011	1344.27	TPVC	37.98	1306.29
B-919U	04-10-2012	1344.27	TPVC	39.06	1305.21
B-919U	07-18-2012	1344.27	TPVC	39.47	1304.80
B-919U	11-07-2012	1344.27	TPVC	39.93	1304.34
B-919U	04-10-2013	1344.27	TPVC	40.00	1304.27
B-919U	07-08-2013	1344.27	TPVC	39.34	1304.93
B-919U	11-06-2013	1344.27	TPVC	39.08	1305.19
B-919U	04-23-2014	1344.27	TPVC	38.97	1305.30
B-919U	07-14-2014	1344.27	TPVC	38.35	1305.92
B-919U	11-05-2014	1344.27	TPVC	39.70	1304.57
B-919U	04-14-2015	1344.27	TPVC	41.04	1303.23
B-919U	07-22-2015	1344.27	TPVC	39.10	1305.17
B-919U	11-10-2015	1344.27	TPVC	39.76	1304.51
B-919U	04-12-2016	1344.27	TPVC	39.14	1305.13
B-919U	07-12-2016	1344.27	TPVC	40.43	1303.84
B-919U	11-08-2016	1344.27	TPVC	41.31	1302.96
B-919U	04-04-2017	1344.27	TPVC	40.64	1303.63
B-919U	07-24-2017	1344.27	TPVC	39.23	1305.04
B-919U	11-07-2017	1344.27	TPVC	40.23	1304.04
B-919U	04-23-2018	1344.27	TPVC	39.64	1304.63
B-919U	07-09-2018	1344.27	TPVC	39.87	1304.40
B-919U	11-05-2018	1344.27	TPVC	41.08	1303.19
B-919U	04-22-2019	1344.27	TPVC	39.77	1304.50
B-919U	07-08-2019	1344.27	TPVC	39.31	1304.96
B-919U	11-04-2019	1344.27	TPVC	39.36	1304.91
B-919U	04-20-2020	1344.27	TPVC	38.27	1306.00
B-919U	07-13-2020	1344.27	TPVC	39.66	1304.61
B-919U	11-02-2020	1344.27	TPVC	39.36	1304.91
B-919U	04-19-2021	1344.27	TPVC	39.78	1304.49
B-919U	05-27-2021	1344.27	TPVC	39.82	1304.45
B-919U	07-07-2021	1344.27	TPVC	40.66	1303.61
B-919U	09-29-2021	1344.27	TPVC	40.75	1303.52
B-919U	11-01-2021	1344.27	TPVC	40.61	1303.66
B-919U	02-22-2022	1344.27	TPVC	40.99	1303.28
B-919U	04-18-2022	1344.27	TPVC	39.62	1304.65
B-919U	06-08-2022	1344.27	TPVC	39.80	1304.47
B-919U	07-11-2022	1344.27	TPVC	40.43	1303.84
B-919U	11-02-2022	1344.27	TPVC	40.48	1303.79
B-919U	04-18-2023	1344.27	TPVC	40.14	1304.13
B-919U	07-11-2023	1344.27	TPVC	39.91	1304.36
B-919U	11-06-2023	1344.27	TPVC	39.96	1304.31
B-919U	04-15-2024	1344.27	TPVC	38.38	1305.89
B-919U	07-22-2024	1344.27	TPVC	38.41	1305.86
B-919U	07-24-2024	1344.27	TPVC	38.41	1305.86
B-919M	04-07-2009	1344.06	TPVC	48.95	1295.11
B-919M	07-13-2009	1344.06	TPVC	48.71	1295.35
B-919M	11-10-2009	1344.06	TPVC	49.10	1294.96
B-919M	04-07-2010	1344.06	TPVC	49.31	1294.75
B-919M	07-13-2010	1344.06	TPVC	48.80	1295.26
B-919M	11-02-2010	1344.06	TPVC	48.92	1295.14
B-919M	01-13-2011	1344.06	TPVC	49.21	1294.85
B-919M	04-18-2011	1344.06	TPVC	48.80	1295.26
B-919M	07-12-2011	1344.06	TPVC	48.16	1295.90
B-919M	11-01-2011	1344.06	TPVC	49.07	1294.99
B-919M	04-10-2012	1344.06	TPVC	50.00	1294.06
B-919M	07-18-2012	1344.06	TPVC	50.28	1293.78
B-919M	11-07-2012	1344.06	TPVC	50.65	1293.41
B-919M	04-10-2013	1344.06	TPVC	50.63	1293.43
B-919M	07-09-2013	1344.06	TPVC	50.51	1293.55
B-919M	11-06-2013	1344.06	TPVC	49.72	1294.34
B-919M	04-23-2014	1344.06	TPVC	50.08	1293.98
B-919M	04-25-2014	1344.06	TPVC	87.49	1256.57
B-919M	07-16-2014	1344.06	TPVC	49.90	1294.16
B-919M	11-05-2014	1344.06	TPVC	50.12	1293.94
B-919M	04-14-2015	1344.06	TPVC	50.81	1293.25
B-919M	07-22-2015	1344.06	TPVC	50.77	1293.29
B-919M	11-10-2015	1344.06	TPVC	51.64	1292.42
B-919M	04-12-2016	1344.06	TPVC	51.10	1292.96
B-919M	07-12-2016	1344.06	TPVC	52.91	1291.15
B-919M	11-08-2016	1344.06	TPVC	52.38	1291.68
B-919M	04-04-2017	1344.06	TPVC	53.37	1290.69
B-919M	07-25-2017	1344.06	TPVC	53.03	1291.03
B-919M	11-07-2017	1344.06	TPVC	54.07	1289.99
B-919M	04-23-2018	1344.06	TPVC	51.54	1292.52
B-919M	07-10-2018	1344.06	TPVC	53.53	1290.53
B-919M	11-06-2018	1344.06	TPVC	51.86	1292.20
B-919M	04-23-2019	1344.06	TPVC	51.78	1292.28

TABLE B.1B
Water Level - Depth and Elevation Post-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-009

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-919M	07-09-2019	1344.06	TPVC	52.84	1291.22
B-919M	11-05-2019	1344.06	TPVC	51.50	1292.56
B-919M	04-20-2020	1344.06	TPVC	51.02	1293.04
B-919M	07-13-2020	1344.06	TPVC	50.88	1293.18
B-919M	11-04-2020	1344.06	TPVC	51.44	1292.62
B-919M	04-22-2021	1344.06	TPVC	51.50	1292.56
B-919M	05-27-2021	1344.06	TPVC	53.39	1290.67
B-919M	07-07-2021	1344.06	TPVC	51.77	1292.29
B-919M	09-29-2021	1344.06	TPVC	52.11	1291.95
B-919M	11-02-2021	1344.06	TPVC	52.28	1291.78
B-919M	02-22-2022	1344.06	TPVC	52.49	1291.57
B-919M	04-18-2022	1344.06	TPVC	52.21	1291.85
B-919M	06-08-2022	1344.06	TPVC	51.90	1292.16
B-919M	07-11-2022	1344.06	TPVC	52.20	1291.86
B-919M	11-02-2022	1344.06	TPVC	52.56	1291.50
B-919M	04-18-2023	1344.06	TPVC	51.59	1292.47
B-919M	07-11-2023	1344.06	TPVC	51.31	1292.75
B-919M	11-06-2023	1344.06	TPVC	51.03	1293.03
B-919M	04-15-2024	1344.06	TPVC	49.92	1294.14
B-919M	07-22-2024	1344.06	TPVC	49.94	1294.12
B-919M	07-24-2024	1344.06	TPVC	49.93	1294.13
B-919D	04-07-2009	1344.13	TPVC	49.18	1294.95
B-919D	07-13-2009	1344.13	TPVC	49.03	1295.10
B-919D	11-10-2009	1344.13	TPVC	49.64	1294.49
B-919D	04-07-2010	1344.13	TPVC	49.43	1294.70
B-919D	07-15-2010	1344.13	TPVC	49.24	1294.89
B-919D	11-02-2010	1344.13	TPVC	49.42	1294.71
B-919D	01-13-2011	1344.13	TPVC	48.71	1295.42
B-919D	04-18-2011	1344.13	TPVC	48.92	1295.21
B-919D	07-12-2011	1344.13	TPVC	48.70	1295.43
B-919D	11-01-2011	1344.13	TPVC	49.70	1294.43
B-919D	04-10-2012	1344.13	TPVC	50.70	1293.43
B-919D	07-18-2012	1344.13	TPVC	50.86	1293.27
B-919D	11-07-2012	1344.13	TPVC	51.08	1293.05
B-919D	04-10-2013	1344.13	TPVC	51.09	1293.04
B-919D	07-08-2013	1344.13	TPVC	50.74	1293.39
B-919D	11-06-2013	1344.13	TPVC	50.19	1293.94
B-919D	04-23-2014	1344.13	TPVC	50.42	1293.71
B-919D	07-16-2014	1344.13	TPVC	50.31	1293.82
B-919D	11-04-2014	1344.13	TPVC	50.73	1293.40
B-919D	04-13-2015	1344.13	TPVC	51.35	1292.78
B-919D	07-20-2015	1344.13	TPVC	51.01	1293.12
B-919D	11-09-2015	1344.13	TPVC	51.40	1292.73
B-919D	04-11-2016	1344.13	TPVC	51.22	1292.91
B-919D	07-11-2016	1344.13	TPVC	51.20	1292.93
B-919D	11-07-2016	1344.13	TPVC	51.84	1292.29
B-919D	04-03-2017	1344.13	TPVC	52.15	1291.98
B-919D	07-24-2017	1344.13	TPVC	51.46	1292.67
B-919D	11-07-2017	1344.13	TPVC	51.44	1292.69
B-919D	04-23-2018	1344.13	TPVC	51.47	1292.66
B-919D	07-09-2018	1344.13	TPVC	51.10	1293.03
B-919D	11-05-2018	1344.13	TPVC	51.76	1292.37
B-919D	04-22-2019	1344.13	TPVC	51.80	1292.33
B-919D	07-08-2019	1344.13	TPVC	51.10	1293.03
B-919D	11-04-2019	1344.13	TPVC	51.39	1292.74
B-919D	04-20-2020	1344.13	TPVC	51.02	1293.11
B-919D	07-13-2020	1344.13	TPVC	51.01	1293.12
B-919D	11-02-2020	1344.13	TPVC	51.27	1292.86
B-919D	04-19-2021	1344.13	TPVC	51.66	1292.47
B-919D	05-27-2021	1344.13	TPVC	51.52	1292.61
B-919D	07-07-2021	1344.13	TPVC	51.86	1292.27
B-919D	09-29-2021	1344.13	TPVC	52.28	1291.85
B-919D	11-01-2021	1344.13	TPVC	52.36	1291.77
B-919D	02-22-2022	1344.13	TPVC	52.60	1291.53
B-919D	04-18-2022	1344.13	TPVC	52.39	1291.74
B-919D	06-08-2022	1344.13	TPVC	52.06	1292.07
B-919D	07-11-2022	1344.13	TPVC	52.29	1291.84
B-919D	11-02-2022	1344.13	TPVC	52.69	1291.44
B-919D	04-18-2023	1344.13	TPVC	51.71	1292.42
B-919D	07-11-2023	1344.13	TPVC	51.40	1292.73
B-919D	11-06-2023	1344.13	TPVC	51.08	1293.05
B-919D	04-15-2024	1344.13	TPVC	49.94	1294.19
B-919D	07-22-2024	1344.13	TPVC	49.91	1294.22
B-923U	11-08-2016	1357.38	TPVC	39.27	1318.11
B-923U	12-01-2016	1357.38	TPVC	39.44	1317.94
B-923U	01-04-2017	1357.38	TPVC	39.58	1317.80
B-923U	02-02-2017	1357.38	TPVC	39.84	1317.54
B-923U	03-02-2017	1357.38	TPVC	39.95	1317.43
B-923U	04-05-2017	1357.38	TPVC	39.98	1317.40
B-923U	07-25-2017	1357.38	TPVC	38.44	1318.94
B-923U	11-08-2017	1357.38	TPVC	38.88	1318.50
B-923U	04-25-2018	1357.38	TPVC	38.73	1318.65
B-923U	07-10-2018	1357.38	TPVC	37.80	1319.58
B-923U	11-06-2018	1357.38	TPVC	38.93	1318.45
B-923U	04-23-2019	1357.38	TPVC	39.22	1318.16
B-923U	07-09-2019	1357.38	TPVC	37.71	1319.67
B-923U	11-05-2019	1357.38	TPVC	38.61	1318.77
B-923U	04-21-2020	1357.38	TPVC	38.29	1319.09

TABLE B.1B
Water Level - Depth and Elevation Post-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-009

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-923U	07-16-2020	1357.38	TPVC	37.97	1319.41
B-923U	11-04-2020	1357.38	TPVC	38.87	1318.51
B-923U	04-20-2021	1357.38	TPVC	38.98	1318.40
B-923U	07-07-2021	1357.38	TPVC	38.81	1318.57
B-923U	11-02-2021	1357.38	TPVC	39.67	1317.71
B-923U	04-20-2022	1357.38	TPVC	39.98	1317.40
B-923U	07-12-2022	1357.38	TPVC	39.18	1318.20
B-923U	11-02-2022	1357.38	TPVC	39.99	1317.39
B-923U	04-19-2023	1357.38	TPVC	39.00	1318.38
B-923U	07-12-2023	1357.38	TPVC	38.56	1318.82
B-923U	11-06-2023	1357.38	TPVC	38.18	1319.20
B-923U	04-16-2024	1357.38	TPVC	37.11	1320.27
B-923U	07-23-2024	1357.38	TPVC	37.32	1320.06
B-924U	11-08-2016	1362.00	TPVC	31.73	1330.27
B-924U	12-01-2016	1362.00	TPVC	32.04	1329.96
B-924U	01-04-2017	1362.00	TPVC	32.35	1329.65
B-924U	02-02-2017	1362.00	TPVC	33.23	1328.77
B-924U	03-02-2017	1362.00	TPVC	33.13	1328.87
B-924U	04-05-2017	1362.00	TPVC	33.60	1328.40
B-924U	07-25-2017	1362.00	TPVC	30.24	1331.76
B-924U	11-08-2017	1362.00	TPVC	30.95	1331.05
B-924U	04-25-2018	1362.00	TPVC	30.55	1331.45
B-924U	07-10-2018	1362.00	TPVC	28.10	1333.90
B-924U	11-06-2018	1362.00	TPVC	30.60	1331.40
B-924U	04-23-2019	1362.00	TPVC	32.06	1329.94
B-924U	07-09-2019	1362.00	TPVC	27.89	1334.11
B-924U	11-05-2019	1362.00	TPVC	30.05	1331.95
B-924U	04-21-2020	1362.00	TPVC	29.27	1332.73
B-924U	07-16-2020	1362.00	TPVC	28.11	1333.89
B-924U	11-04-2020	1362.00	TPVC	31.11	1330.89
B-924U	04-20-2021	1362.00	TPVC	32.10	1329.90
B-924U	07-07-2021	1362.00	TPVC	32.70	1329.30
B-924U	09-29-2021	1362.00	TPVC	32.59	1329.41
B-924U	11-02-2021	1362.00	TPVC	33.54	1328.46
B-924U	04-20-2022	1362.00	TPVC	34.32	1327.68
B-924U	07-12-2022	1362.00	TPVC	32.93	1329.07
B-924U	11-02-2022	1362.00	TPVC	34.55	1327.45
B-924U	04-19-2023	1362.00	TPVC	32.98	1329.02
B-924U	07-12-2023	1362.00	TPVC	31.66	1330.34
B-924U	11-07-2023	1362.00	TPVC	29.96	1332.04
B-924U	04-16-2024	1362.00	TPVC	27.91	1334.09
B-924U	07-23-2024	1362.00	TPVC	27.10	1334.90
B-924L	11-08-2016	1361.25	TPVC	44.29	1316.96
B-924L	12-01-2016	1361.25	TPVC	44.36	1316.89
B-924L	01-04-2017	1361.25	TPVC	44.48	1316.77
B-924L	02-02-2017	1361.25	TPVC	44.85	1316.40
B-924L	03-02-2017	1361.25	TPVC	44.90	1316.35
B-924L	04-05-2017	1361.25	TPVC	45.03	1316.22
B-924L	07-25-2017	1361.25	TPVC	43.79	1317.46
B-924L	11-08-2017	1361.25	TPVC	44.01	1317.24
B-924L	04-25-2018	1361.25	TPVC	43.84	1317.41
B-924L	07-10-2018	1361.25	TPVC	42.94	1318.31
B-924L	11-06-2018	1361.25	TPVC	43.87	1317.38
B-924L	04-23-2019	1361.25	TPVC	44.35	1316.90
B-924L	07-09-2019	1361.25	TPVC	43.03	1318.22
B-924L	11-05-2019	1361.25	TPVC	43.68	1317.57
B-924L	04-21-2020	1361.25	TPVC	43.41	1317.84
B-924L	07-16-2020	1361.25	TPVC	43.06	1318.19
B-924L	11-04-2020	1361.25	TPVC	43.93	1317.32
B-924L	04-20-2021	1361.25	TPVC	44.05	1317.20
B-924L	07-07-2021	1361.25	TPVC	43.99	1317.26
B-924L	11-02-2021	1361.25	TPVC	44.75	1316.50
B-924L	04-20-2022	1361.25	TPVC	45.15	1316.10
B-924L	07-12-2022	1361.25	TPVC	44.36	1316.89
B-924L	11-02-2022	1361.25	TPVC	45.18	1316.07
B-924L	04-19-2023	1361.25	TPVC	44.29	1316.96
B-924L	07-12-2023	1361.25	TPVC	43.85	1317.40
B-924L	11-06-2023	1361.25	TPVC	43.31	1317.94
B-924L	04-16-2024	1361.25	TPVC	42.13	1319.12
B-924L	07-23-2024	1361.25	TPVC	41.96	1319.29
B-925U	11-08-2016	1362.76	TPVC	29.33	1333.43
B-925U	12-01-2016	1362.76	TPVC	29.63	1333.13
B-925U	01-04-2017	1362.76	TPVC	30.25	1332.51
B-925U	02-02-2017	1362.76	TPVC	30.99	1331.77
B-925U	03-02-2017	1362.76	TPVC	31.35	1331.41
B-925U	04-05-2017	1362.76	TPVC	31.88	1330.88
B-925U	07-25-2017	1362.76	TPVC	28.49	1334.27
B-925U	11-08-2017	1362.76	TPVC	28.95	1333.81
B-925U	04-25-2018	1362.76	TPVC	28.69	1334.07
B-925U	07-10-2018	1362.76	TPVC	25.74	1337.02
B-925U	11-06-2018	1362.76	TPVC	28.37	1334.39
B-925U	04-23-2019	1362.76	TPVC	29.72	1333.04
B-925U	07-09-2019	1362.76	TPVC	24.68	1338.08
B-925U	11-05-2019	1362.76	TPVC	27.46	1335.30
B-925U	04-21-2020	1362.76	TPVC	26.90	1335.86
B-925U	07-16-2020	1362.76	TPVC	25.70	1337.06

TABLE B.1B
Water Level - Depth and Elevation Post-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-009

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-925U	11-04-2020	1362.76	TPVC	28.13	1334.63
B-925U	04-20-2021	1362.76	TPVC	28.32	1334.44
B-925U	07-07-2021	1362.76	TPVC	27.38	1335.38
B-925U	11-02-2021	1365.00	TPVC	31.74	1333.26
B-925U	04-20-2022	1365.00	TPVC	32.50	1332.50
B-925U	07-12-2022	1365.00	TPVC	30.83	1334.17
B-925U	11-02-2022	1365.00	TPVC	33.02	1331.98
B-925U	04-19-2023	1365.00	TPVC	30.30	1334.70
B-925U	07-12-2023	1365.00	TPVC	28.92	1336.08
B-925U	11-06-2023	1365.00	TPVC	27.80	1337.20
B-925U	04-15-2024	1365.00	TPVC	21.97	1343.03
B-925U	07-23-2024	1365.00	TPVC	24.87	1340.13
B-925L	11-08-2016	1362.36	TPVC	44.55	1317.81
B-925L	12-01-2016	1362.36	TPVC	44.59	1317.77
B-925L	01-04-2017	1362.36	TPVC	44.72	1317.64
B-925L	02-02-2017	1362.36	TPVC	45.15	1317.21
B-925L	03-02-2017	1362.36	TPVC	45.17	1317.19
B-925L	04-05-2017	1362.36	TPVC	45.34	1317.02
B-925L	07-25-2017	1362.36	TPVC	44.11	1318.25
B-925L	11-08-2017	1362.36	TPVC	44.31	1318.05
B-925L	04-25-2018	1362.36	TPVC	44.10	1318.26
B-925L	07-10-2018	1362.36	TPVC	43.27	1319.09
B-925L	11-06-2018	1362.36	TPVC	44.13	1318.23
B-925L	04-23-2019	1362.36	TPVC	44.57	1317.79
B-925L	07-09-2019	1362.36	TPVC	43.33	1319.03
B-925L	11-05-2019	1362.36	TPVC	43.92	1318.44
B-925L	04-21-2020	1362.36	TPVC	43.66	1318.70
B-925L	07-16-2020	1362.36	TPVC	43.37	1318.99
B-925L	11-04-2020	1362.36	TPVC	44.22	1318.14
B-925L	04-20-2021	1362.36	TPVC	44.31	1318.05
B-925L	07-07-2021	1362.36	TPVC	44.24	1318.12
B-925L	11-02-2021	1365.05	TPVC	47.66	1317.39
B-925L	04-20-2022	1365.05	TPVC	47.93	1317.12
B-925L	07-13-2022	1365.05	TPVC	47.27	1317.78
B-925L	11-02-2022	1365.05	TPVC	48.06	1316.99
B-925L	04-19-2023	1365.05	TPVC	47.13	1317.92
B-925L	07-12-2023	1365.05	TPVC	46.70	1318.35
B-925L	11-06-2023	1365.05	TPVC	46.16	1318.89
B-925L	04-15-2024	1365.05	TPVC	44.74	1320.31
B-925L	07-23-2024	1365.05	TPVC	44.81	1320.24
B-926U	11-08-2017	1332.47	TPVC	22.72	1309.75
B-926U	04-24-2018	1332.47	TPVC	21.52	1310.95
B-926U	07-10-2018	1332.47	TPVC	21.92	1310.55
B-926U	11-06-2018	1332.47	TPVC	24.68	1307.79
B-926U	04-23-2019	1332.47	TPVC	24.06	1308.41
B-926U	07-09-2019	1332.47	TPVC	22.11	1310.36
B-926U	11-05-2019	1332.47	TPVC	23.02	1309.45
B-926U	04-21-2020	1332.47	TPVC	23.16	1309.31
B-926U	07-15-2020	1332.47	TPVC	24.07	1308.40
B-926U	11-02-2020	1332.47	TPVC	25.59	1306.88
B-926U	04-20-2021	1332.47	TPVC	24.93	1307.54
B-926U	07-06-2021	1332.47	TPVC	31.28	1301.19
B-926U	09-29-2021	1332.47	TPVC	26.06	1306.41
B-926U	11-02-2021	1332.47	TPVC	26.32	1306.15
B-926U	02-22-2022	1332.47	TPVC	27.06	1305.41
B-926U	04-18-2022	1332.47	TPVC	25.61	1306.86
B-926U	04-20-2022	1332.47	TPVC	25.52	1306.95
B-926U	06-08-2022	1332.47	TPVC	25.03	1307.44
B-926U	07-12-2022	1332.47	TPVC	25.89	1306.58
B-926U	11-01-2022	1332.47	TPVC	27.32	1305.15
B-926U	04-18-2023	1332.47	TPVC	25.50	1306.97
B-926U	07-12-2023	1332.47	TPVC	25.02	1307.45
B-926U	11-06-2023	1332.47	TPVC	25.04	1307.43
B-926U	04-16-2024	1332.47	TPVC	23.04	1309.43
B-926U	07-23-2024	1332.47	TPVC	23.72	1308.75
B-926L	11-08-2017	1332.68	TPVC	30.91	1301.77
B-926L	04-24-2018	1332.68	TPVC	30.74	1301.94
B-926L	07-10-2018	1332.68	TPVC	30.06	1302.62
B-926L	11-06-2018	1332.68	TPVC	31.19	1301.49
B-926L	04-23-2019	1332.68	TPVC	31.18	1301.50
B-926L	07-09-2019	1332.68	TPVC	30.07	1302.61
B-926L	11-05-2019	1332.68	TPVC	30.72	1301.96
B-926L	04-21-2020	1332.68	TPVC	30.21	1302.47
B-926L	07-15-2020	1332.68	TPVC	30.40	1302.28
B-926L	11-02-2020	1332.68	TPVC	31.07	1301.61
B-926L	04-20-2021	1332.68	TPVC	31.28	1301.40
B-926L	07-06-2021	1332.68	TPVC	25.08	1307.60
B-926L	09-29-2021	1332.68	TPVC	31.95	1300.73
B-926L	11-02-2021	1332.68	TPVC	32.20	1300.48
B-926L	04-20-2022	1332.68	TPVC	32.15	1300.53
B-926L	07-12-2022	1332.68	TPVC	31.80	1300.88
B-926L	11-01-2022	1332.68	TPVC	32.29	1300.39
B-926L	04-18-2023	1332.68	TPVC	31.29	1301.39
B-926L	07-12-2023	1332.68	TPVC	30.95	1301.73
B-926L	11-06-2023	1332.68	TPVC	30.62	1302.06
B-926L	04-16-2024	1332.68	TPVC	29.39	1303.29

TABLE B.1B
Water Level - Depth and Elevation Post-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-009

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-926L	07-23-2024	1332.68	TPVC	31.45	1301.23
B-927U	11-07-2017	1345.58	TPVC	44.87	1300.71
B-927U	04-24-2018	1345.58	TPVC	44.39	1301.19
B-927U	07-09-2018	1345.58	TPVC	43.70	1301.88
B-927U	11-06-2018	1345.58	TPVC	45.27	1300.31
B-927U	04-22-2019	1345.58	TPVC	>43.30	<1302.28
B-927U	08-05-2019	1345.58	TPVC	43.79	1301.79
B-927U	11-04-2019	1345.58	TPVC	44.32	1301.26
B-927U	04-20-2020	1345.58	TPVC	43.34	1302.24
B-927U	07-13-2020	1345.58	TPVC	43.49	1302.09
B-927U	11-02-2020	1345.58	TPVC	44.79	1300.79
B-927U	04-19-2021	1345.58	TPVC	44.56	1301.02
B-927U	07-05-2021	1345.58	TPVC	44.60	1300.98
B-927U	09-29-2021	1345.58	TPVC	45.48	1300.10
B-927U	11-01-2021	1345.58	TPVC	45.98	1299.60
B-927U	02-22-2022	1345.58	TPVC	46.49	1299.09
B-927U	04-18-2022	1345.58	TPVC	46.13	1299.45
B-927U	06-08-2022	1345.58	TPVC	45.51	1300.07
B-927U	07-11-2022	1345.58	TPVC	45.82	1299.76
B-927U	11-01-2022	1345.58	TPVC	46.93	1298.65
B-927U	04-18-2023	1345.58	TPVC	45.79	1299.79
B-927U	07-11-2023	1345.58	TPVC	45.37	1300.21
B-927U	11-06-2023	1345.58	TPVC	44.71	1300.87
B-927U	04-15-2024	1345.58	TPVC	42.40	1303.18
B-927U	07-22-2024	1345.58	TPVC	41.92	1303.66
B-927M	11-07-2017	1345.59	TPVC	48.45	1297.14
B-927M	04-24-2018	1345.59	TPVC	47.45	1298.14
B-927M	07-09-2018	1345.59	TPVC	46.74	1298.85
B-927M	11-06-2018	1345.59	TPVC	48.14	1297.45
B-927M	04-22-2019	1345.59	TPVC	43.80	1301.79
B-927M	08-05-2019	1345.59	TPVC	46.06	1299.53
B-927M	11-04-2019	1345.59	TPVC	47.54	1298.05
B-927M	04-20-2020	1345.59	TPVC	46.73	1298.86
B-927M	07-13-2020	1345.59	TPVC	46.68	1298.91
B-927M	11-02-2020	1345.59	TPVC	47.63	1297.96
B-927M	04-19-2021	1345.59	TPVC	47.49	1298.10
B-927M	07-05-2021	1345.59	TPVC	47.33	1298.26
B-927M	09-29-2021	1345.59	TPVC	48.45	1297.14
B-927M	11-01-2021	1345.59	TPVC	48.78	1296.81
B-927M	04-18-2022	1345.59	TPVC	48.64	1296.95
B-927M	07-11-2022	1345.59	TPVC	48.45	1297.14
B-927M	11-01-2022	1345.59	TPVC	49.27	1296.32
B-927M	04-18-2023	1345.59	TPVC	48.13	1297.46
B-927M	07-11-2023	1345.59	TPVC	47.83	1297.76
B-927M	11-06-2023	1345.59	TPVC	47.49	1298.10
B-927M	04-15-2024	1345.59	TPVC	45.52	1300.07
B-927M	07-22-2024	1345.59	TPVC	45.46	1300.13
B-927L	11-07-2017	1345.61	TPVC	54.52	1291.09
B-927L	04-24-2018	1345.61	TPVC	54.14	1291.47
B-927L	07-09-2018	1345.61	TPVC	54.01	1291.60
B-927L	11-06-2018	1345.61	TPVC	54.56	1291.05
B-927L	04-22-2019	1345.61	TPVC	54.79	1290.82
B-927L	08-05-2019	1345.61	TPVC	54.41	1291.20
B-927L	11-04-2019	1345.61	TPVC	54.60	1291.01
B-927L	04-20-2020	1345.61	TPVC	54.15	1291.46
B-927L	07-13-2020	1345.61	TPVC	54.13	1291.48
B-927L	11-02-2020	1345.61	TPVC	54.54	1291.07
B-927L	04-19-2021	1345.61	TPVC	54.81	1290.80
B-927L	07-05-2021	1345.61	TPVC	55.05	1290.56
B-927L	09-29-2021	1345.61	TPVC	55.47	1290.14
B-927L	11-01-2021	1345.61	TPVC	55.59	1290.02
B-927L	04-18-2022	1345.61	TPVC	55.46	1290.15
B-927L	07-11-2022	1345.61	TPVC	55.37	1290.24
B-927L	11-01-2022	1345.61	TPVC	55.47	1290.14
B-927L	04-18-2023	1345.61	TPVC	54.60	1291.01
B-927L	07-11-2023	1345.61	TPVC	54.32	1291.29
B-927L	11-06-2023	1345.61	TPVC	54.03	1291.58
B-927L	04-15-2024	1345.61	TPVC	52.95	1292.66
B-927L	07-22-2024	1345.61	TPVC	53.00	1292.61
B-928U	09-29-2021	1333.75	TPVC	48.33	1285.42
B-928U	11-01-2021	1333.75	TPVC	49.83	1283.92
B-928U	02-22-2022	1333.75	TPVC	48.37	1285.38
B-928U	04-18-2022	1333.75	TPVC	45.11	1288.64
B-928U	06-08-2022	1333.75	TPVC	44.17	1289.58
B-928U	07-11-2022	1333.75	TPVC	45.21	1288.54
B-928U	11-02-2022	1333.75	TPVC	47.45	1286.30
B-928U	04-18-2023	1333.75	TPVC	44.45	1289.30
B-928U	07-11-2023	1333.75	TPVC	45.02	1288.73
B-928U	11-06-2023	1333.75	TPVC	45.15	1288.60
B-928U	04-15-2024	1333.75	TPVC	43.64	1290.11
B-928U	07-22-2024	1333.75	TPVC	44.72	1289.03
B-928D	09-29-2021	1334.12	TPVC	52.29	1281.83
B-928D	11-01-2021	1334.12	TPVC	52.98	1281.14
B-928D	02-22-2022	1334.12	TPVC	52.07	1282.05

TABLE B.1B
Water Level - Depth and Elevation Post-2009
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-009

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-928D	04-18-2022	1334.12	TPVC	50.17	1283.95
B-928D	06-08-2022	1334.12	TPVC	49.19	1284.93
B-928D	07-11-2022	1334.12	TPVC	49.83	1284.29
B-928D	11-02-2022	1334.12	TPVC	51.78	1282.34
B-928D	04-18-2023	1334.12	TPVC	49.24	1284.88
B-928D	07-11-2023	1334.12	TPVC	49.66	1284.46
B-928D	11-06-2023	1334.12	TPVC	49.63	1284.49
B-928D	12-15-2023	1334.12	TPVC	50.13	1283.99
B-928D	04-15-2024	1334.12	TPVC	48.42	1285.70
B-928D	07-22-2024	1334.12	TPVC	49.15	1284.97
B-929U	11-02-2022	1376.06	TPVC	43.13	1332.93
B-929U	12-01-2022	1376.06	TPVC	43.54	1332.52
B-929U	03-20-2023	1376.06	TPVC	42.54	1333.52
B-929U	04-19-2023	1376.06	TPVC	42.39	1333.67
B-929U	07-12-2023	1376.06	TPVC	41.91	1334.15
B-929U	11-07-2023	1376.06	TPVC	40.39	1335.67
B-929U	04-15-2024	1376.06	TPVC	40.01	1336.05
B-929U	07-23-2024	1376.06	TPVC	39.04	1337.02
B-929L	11-02-2022	1375.99	TPVC	47.04	1328.95
B-929L	12-01-2022	1375.99	TPVC	46.97	1329.02
B-929L	03-20-2023	1375.99	TPVC	46.87	1329.12
B-929L	04-19-2023	1375.99	TPVC	49.25	1326.74
B-929L	07-12-2023	1375.99	TPVC	48.18	1327.81
B-929L	11-07-2023	1375.99	TPVC	45.85	1330.14
B-929L	04-15-2024	1375.99	TPVC	45.08	1330.91
B-929L	07-23-2024	1375.99	TPVC	44.06	1331.93
B-930U	12-01-2022	1376.69	TPVC	42.09	1334.60
B-930U	03-20-2023	1376.69	TPVC	42.33	1334.36
B-930U	04-19-2023	1376.69	TPVC	42.14	1334.55
B-930U	07-12-2023	1376.69	TPVC	41.49	1335.20
B-930U	11-07-2023	1376.69	TPVC	40.17	1336.52
B-930U	04-15-2024	1376.69	TPVC	40.23	1336.46
B-930U	07-23-2024	1376.69	TPVC	39.68	1337.01
B-930L	12-01-2022	1376.93	TPVC	69.25	1307.68
B-930L	03-20-2023	1376.93	TPVC	68.67	1308.26
B-930L	04-19-2023	1376.93	TPVC	68.59	1308.34
B-930L	07-12-2023	1376.93	TPVC	68.29	1308.64
B-930L	11-07-2023	1376.93	TPVC	67.37	1309.56
B-930L	04-15-2024	1376.93	TPVC	66.23	1310.70
B-930L	07-23-2024	1376.93	TPVC	65.65	1311.28
B-931U	11-02-2022	1331.86	TPVC	27.32	1304.54
B-931U	12-01-2022	1331.86	TPVC	27.31	1304.55
B-931U	03-20-2023	1331.86	TPVC	26.85	1305.01
B-931U	04-19-2023	1331.86	TPVC	26.69	1305.17
B-931U	07-12-2023	1331.86	TPVC	26.38	1305.48
B-931U	11-07-2023	1331.86	TPVC	25.63	1306.23
B-931U	04-15-2024	1331.86	TPVC	24.01	1307.85
B-931U	07-23-2024	1331.86	TPVC	23.70	1308.16
B-931L	11-02-2022	1332.07	TPVC	27.67	1304.40
B-931L	12-01-2022	1332.07	TPVC	27.58	1304.49
B-931L	03-20-2023	1332.07	TPVC	27.07	1305.00
B-931L	04-19-2023	1332.07	TPVC	26.90	1305.17
B-931L	07-12-2023	1332.07	TPVC	26.49	1305.58
B-931L	11-07-2023	1332.07	TPVC	25.70	1306.37
B-931L	04-15-2024	1332.07	TPVC	24.52	1307.55
B-931L	07-23-2024	1332.07	TPVC	24.10	1307.97
B-932U	07-02-2024	1294.08	TPVC	17.17	1276.91
B-932U	07-22-2024	1294.08	TPVC	16.99	1277.09
B-932L	07-02-2024	1292.69	TPVC	15.50	1277.19
B-932L	07-22-2024	1292.69	TPVC	16.70	1275.99

Appendix B.2

Groundwater Analytical Results

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-103S	09-18-1984	N		6.6				13			<50								0			***16***			
B-103S	09-27-1984	N		6.6				32			<50								0.02			***16***			
B-103S	02-15-1985	N						27											*3.2*			***17***			
B-103S	06-24-1985	N						21											*670*			***180***			
B-103S	09-13-1985	N						22			75								*114*			***26***			
B-103S	02-06-1986	N			410			5.1			69								*92*			***15***			
B-103S	06-05-1986	N					<0.05	10	0.48	3	31		<0.2	**0.031**		**0.01**	<0.006	<0.02	*59*		<0.05	***11***		<0.01	<0.005
B-103S	11-15-1986	N		*6.4*				10.3			53								*54*			***11***			
B-103S	03-03-1987	N		6.7				8.4			73								*57*			***14***			
B-103S	06-11-1987	N	1305.03	6.6	440	8.3		43			110								*69*			***17***			
B-103S	09-21-1987	N	1304.93	*6.3*	400	8.4		16			220								*94*			***24***			
B-103S	12-29-1987	N	1305.03	6.5	570	2.2		12			210								*90*			***24***			
B-103S	03-29-1988	N	1304.63					13			160								*94*			***22***			
B-103S	07-13-1988	N		6.7	886	15.7		14			150								*78*			***25***			
B-103S	10-17-1988	N	1304.53	6.6	998	11.7		13			190								*120*			***28***			
B-103S	12-20-1988	N		6.8	958	8.1		16			190								*140*			***28***			
B-103S	04-26-1989	N		6.5	837	8.8		8			160								*120*			***22***			
B-103S	07-27-1989	N		*6.4*	968	14		13			170								*150*			***25***			
B-103S	10-26-1989	N		6.6	939	10.2		<1			280			**0.03**			**0.008**	0.01	*180*		<0.005	***27***			
B-103S	02-06-1990	N		7	1002	6.2		7.3			190			**0.04**			**0.009**	0.01	*180*		<0.005	***23***			
B-103S	05-23-1990	N	1304.25	6.6	931	11.6		8.8			100			**0.03**			<0.005	0.02	*190*		<0.005	***23***			
B-103S	08-29-1990	N	1305.13	7.7	950	11.1		8.2			1600			**0.03**			<0.005	<0.01	*210*		<0.005	***20***			
B-103S	12-03-1990	N		*6.11*	947	6.1		8			69			<0.01			<0.005	<0.01	*170*		<0.005	***19***			
B-103S	02-28-1991	N	1305.83	7.2	960	5		33			180			**0.034**			<0.005	<0.01	*200*		<0.005	***19***			
B-103S	07-08-1991	N		*6.2*	720	11.2		7.8			170			**0.04**			<0.005	<0.01	*250*		<0.005	***19***			
B-103S	09-09-1991	N	1306.53	*6.4*	930	14.6		9			110			<0.01			<0.001	<0.002	*210*		<0.01	***22***			
B-103S	01-02-1992	N	1306.03	*6.4*	1061	5.9		13			340			<0.01			<0.001	<0.002	*250*		<0.01	***18***			
B-103S	04-10-1992	N		*6.4*	798	12.8		8			150			<0.01			**0.027**	<0.002	*150*		<0.01	***19***			
B-103S	07-08-1992	N		6.6	855			17			440			<0.01			**0.025**	<0.002	*150*		**0.03**	***19***			
B-103S	10-07-1992	N		*6*	950	12.3		17			300			**0.05**			<0.001	<0.002	*250*		**0.02**	***22***			
B-103S	04-15-1993	N		6.5	696	12.4		23	<0.5		240	1.9							*170*			***14***			
B-103S	05-20-1993	N												<0.01	0.09		<0.001	<0.002			<0.01				<0.001
B-103S	07-15-1993	N						22	<0.5		280	1.9		<0.01	0.14		<0.001	<0.002	*160*		<0.01	***15***			<0.005
B-103S	11-24-1993	N	1303.93	7.2	1210	5.5		27	<0.5		340	1.6		<0.01	0.14		<0.001	<0.002	*260*		<0.01	***18***			<0.005
B-103S	04-13-1994	N	1305.93	6.5	1920	9.8		74	<0.5		1400	1.5		<0.01	0.23		<0.001	<0.002	*320*		<0.01	***44***			<0.005
B-103S	07-07-1994	N	1304.73	*6.2*	1290	20		56	<0.5		780	2.7		<0.01	0.2		**0.008**	0.003	*240*		<0.01	***26***			<0.005
B-103S	11-28-1994	N	1304.43	7	1530	5		59	<0.5		720	2.1		<0.01	0.17		**0.009**	<0.002	*380*		<0.01	***26***			<0.005
B-103S	04-03-1995	N	1304.53	6.7	1387	5.7		47	<0.5		440	2.7		<0.01	0.16		0.004	<0.002			<0.01				<0.005
B-103S	06-12-1995	N	1303.93																						
B-103S	07-13-1995	N	1303.83	6.6	1400	19	<1	62	<0.5		310	2.4		<0.01	0.16		**0.061**	<0.002	*290*		<0.01	***20***			<0.005
B-103S	11-14-1995	N	1304.35	*6.4*	1231	7	<1	48	<0.5		340	3.2							*260*			***15***			
B-103S	11-27-1995	N	1304.65	6.7	960	4.6	0.2							**0.03**	0.13		**0.006**	<0.002			**0.03**				<0.005
B-103S	04-15-1996	N	1304.75	*6.1*	630	4.9	0.2	26	<0.5		140	3.5		<0.01	0.15		0.005	<0.002	*120*		**0.02**	***12***			<0.005
B-103S	07-09-1996	N	1306.35	6.5	750	10.4	0.2	38	<0.5		160	2.1		<0.01	0.12		**0.007**	<0.002	*230*		<0.01	***17***			<0.005
B-103S	11-11-1996	N	1307.15	7	610	5.2	0.2	23	<0.5		96	1.8		<0.01	0.08		0.005	<0.002	<0.01		<0.01	<0.005			<0.005
B-103S	04-07-1997	N	1306.95	6.5	580	0.3	0.2	21	0.1		52	1.27		**0.025**	<0.2		<0.0002	<0.002	*78*		<0.003	***9.3***			<0.02
B-103S	07-07-1997	N	1306.94	*6.2*	430	10.4	0.2	17	<0.1		28	1.7		**0.015**	<0.2		<0.0002	<0.002	*59*		<0.003	***7.1***			<0.02
B-103S	11-11-1997	N	1306.32	*5.3*	380	5	<0.5	19	<0.1		36	1.24		**0.019**	<0.2		**0.0073**	<0.002	*61*		<0.003	***6.6***			<0.02

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-103S	04-13-1998	N	1306.29	*6.4*	220	8.9	<0.5	18	<0.1		36	2.2							*28*			***3***			
B-103S	07-13-1998	N	1305.85	6.7	230	15	<0.5	17	<0.1		49	4.2		**0.02**	<0.1		<0.0002	<0.002	*45*		<0.003	***5.2***			
B-103S	11-16-1998	N	1305.32	6.5	440	6.3	<0.5	16	<0.1		32	1.8							*62*			***6.1***			
B-103S	04-05-1999	N	1302.31	6.6	355	9	0.2	17	<0.1		30	2.2							*68*			***8.5***			
B-103S	07-27-1999	N	1305.20	*6.3*	520	12	0.1	15	<0.1		60	2		**0.023**	<0.2		<0.0005	<0.005	*72*		<0.003	***8.7***			
B-103S	11-17-1999	N	1304.72	7	525	2.8	<0.4	11.3	5.75		110	2.79							*63*			***6.7***			
B-103S	04-10-2000	N	1302.12	6.7	567	7.7	<0.1	23	0.105		65	4.31							*67.6*			***5.65***			
B-103S	07-17-2000	N	1302.14	6.5	600	12.1	<0.1	8.76	0.108		74	3.66		<0.005	0.034		<0.003	<0.01	*0.402*		<0.002	***6.4***			
B-103S	11-13-2000	N	1305.64	*6.4*	688	7.1	0.203	14.5	0.073		48	4.46							*89.6*			***8.26***			
B-103S	04-02-2001	N	1304.73	6.8	564	9	0.129	9.29	1.76		<15	3.35							*97*			***8***			
B-103S	07-09-2001	N	1304.55	6.5	596	17.2	<0.1	8.85	0.029		<15	4.84		**0.034**	0.085		<0.003	0.017	*103*		<0.002	***8.21***			
B-103S	11-05-2001	N	1303.65	6.8	544	6	0.172	8.31	0.028		<15	<0.04							*15.5*			***1.48***			
B-103S	04-15-2002	N	1303.30	*6.4*	438	12.7	0.107	7.1	0.08		<15	3.22							*60.5*			***4.83***			
B-103S	07-15-2002	N	1303.47	*6.3*	578	14.6	0.138	9.12	0.116		<15	3.59	<0.002	**0.029**	0.068	<0.002	<0.003	<0.01	*79*		<0.002	***6.1***		<0.02	<0.01
B-103S	11-18-2002	N	1303.47	6.5	530	7.1	0.27	9.85	0.041		29	4.06							*78.1*			***5.78***			
B-103S	04-07-2003	N	1302.92	6.7	387	7.1	0.154	9.24	0.042		<15	4.02							*56.5*			***4.36***			
B-103S	07-14-2003	N	1299.08	6.5	400	13.6	0.176	8.65	0.025		<15	3.2		**0.009**	0.051		<0.003	<0.01	*46.7*		<0.002	***4.16***			
B-103S	11-03-2003	N	1303.09	6.8	200	12	0.165	8.85	0.029		<15	3.44							*54*			***4.53***			
B-103S	04-05-2004	N	1304.49	6.6	172	5.1	0.103	5.99	0.064		19	2.74							*45.5*			***4.77***			
B-103S	07-06-2004	N		6.7	356	12.8	0.106	2.61	1.07		28	2.88		**0.029**	0.154		<0.003	<0.01	*25*		0.01	***2.19***			
B-103S	11-08-2004	N	1293.98	*6.4*	346	7.1	0.303	7.17	0.177		30	3.86							*46.8*			***4.82***			
B-103S	04-11-2005	N	1304.91	*6.4*	250	8.4	0.303	5.52	0.046		42	3.54							*27*			***3***			
B-103S	07-11-2005	N	1305.47	6.7	318	15.2	1.5	4.5	0.075		148	2.95	<0.002	**0.023**	0.021	<0.002	<0.003	<0.01	*19.2*		0.001	***3***		<0.02	<0.01
B-103S	11-01-2005	N	1294.24	*5.7*	227	10.1	0.224	5.06	0.075		32	2.23							*28.5*			***3.14***			
B-103S	04-10-2006	N	1306.75	*6.1*	143	11.4	0.242	11.6	<0.02		26	3.15							*58.7*			***5.18***			
B-103S	07-10-2006	N	1306.96	*6.4*	450	16.3	0.364	19.6	0.062		23	3.13		**0.033**	0.063		<0.002	**0.12**	*62.5*		<0.02	***5.93***			
B-103S	11-06-2006	N	1306.94	7	20	11	0.129	9.99	0.033		<15	0.269							*37.5*			***3.85***			
B-103S	04-09-2007	N	1306.54	6.9	288	6.3	<0.1	14.3	0.047		<15	1.73							*37.3*			***3.48***			
B-103S	07-23-2007	N	1306.59	6.6	270	14.1	<0.1	5.94	0.096		<15	1.53		**0.034**	0.021		<0.002	<0.02	*19.8*		<0.001	***2.22***			
B-103S	11-05-2007	N	1305.99	6.7	200	9.6	<0.1	11	0.09		<10	1.7		**0.037**					*31.4*			***2.67***			
B-103S	04-21-2008	N	1305.50	7.2	126	17.4	<0.1	4.5	0.03		120	1.6							*13*			***1.5***			
B-103S	07-21-2008	N	1305.46	*6.3*	170	15.4	<0.1	15	<0.02		39	2.4		**0.034**	<0.02		<0.002	<0.02	*17*		<0.001	***1.6***			
B-103S	11-18-2008	N	1306.26	*5.8*	210	7.2	<0.1	26	<0.02		21	1.7							*30*			***2.4***			
B-103S	04-07-2009	N	1306.67	*6.34*	290	8.74	0.1	42	<0.5		130	1.6							*30*			***2.7***			
B-103S	07-14-2009	N	1306.76	*6.12*	290	13.2	<0.1	51	<0.5		30	2.7		**0.044**	0.039		<0.001	<0.001	*39*		<0.001	***3.6***			
B-103S	11-09-2009	N	1306.58	6.5	230	12.5	0.5	58	<0.5		80	1.2							*35*			***2.9***			
B-103S	02-15-2010	N	1306.25	6.6	300	9.4	0.2																		
B-103S	03-10-2010	N	1306.17	*6.3*	310	7.5	0.9																		
B-103S	04-08-2010	N	1305.87	*5.89*	240	11.1	<0.1	39	<0.5		<10	1.1							*19*			***1.8***			
B-103S	05-26-2010	N	1306.66	*5.5*	240	17.5	<0.1																		
B-103S	06-16-2010	N	1306.66	*5.7*	300	13.9	<0.1																		
B-103S	07-12-2010	N	1306.71	*6.31*	290	21.5	<0.1	43	<0.5		17	1.1		**0.041**	0.034		<0.001	<0.001	*37*		<0.001	***3.5***			
B-103S	08-10-2010	N	1306.93	*5.6*	410	18.7	0.3																		
B-103S	09-08-2010	N	1306.84	*5.8*	370	14.2	0.1																		
B-103S	10-05-2010	N	1307.01	*5.9*	350	15.7	<0.1																		
B-103S	11-01-2010	N	1306.86	*6.12*	51	9.2	0.1	56	<0.5		<10	1.4							*44*			***3.4***			
B-103S	12-03-2010	N	1306.89	*6.2*	390	10	<0.1																		
B-103S	01-14-2011	N	1306.90	*6.2*	313	7.2	0.1																		

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| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

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North Country Environmental Services, Inc.
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Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-103S	02-17-2011	N	1306.79	*5.9*	359	11.1	0.1																		
B-103S	03-10-2011	N	1306.78	*6.2*	430	8.4	0.2																		
B-103S	04-18-2011	N	1308.32	*6.1*	180	11.7	<0.1	34	<0.5		10	0.8							*16*			***1.6***			
B-103S	07-13-2011	N	1307.54	*5.6*	170	21.8	<0.1	28	<0.5		40	1.1		**0.032**	0.034		<0.001	<0.001	*15*		<0.001	***2***			
B-103S	11-02-2011	N	1306.73	*6.35*	460	5.9	<0.1	47	<0.5		12	1.4							*33*			***3.2***			
B-103S	04-10-2012	N	1305.49	*6.4*	490	11.2	<0.1	57	<0.5		30	1.1							*28*			***2.8***			
B-103S	07-16-2012	N	1305.26	*6.38*	330	24.5	<0.1	48	<0.5		26	1		**0.035**	0.038		<0.001	<0.001	*20*		<0.001	***2.3***			
B-103S	11-06-2012	N	1304.93	6.61	264	10	<0.1	48	<0.5		<10	0.9							*22*			***2.2***			
B-103S	04-10-2013	N	1304.49	6.77	180	8.1	<0.1	19	<0.5		77	1.6							*11*			***1.4***			
B-103S	07-08-2013	N	1305.07	*6.1*	200	18.5	<0.1	19	<0.5		15	0.7		**0.042**	0.025		<0.001	<0.001	*10*		<0.001	***1.1***			
B-103S	07-08-2013	FD					<0.1	19	<0.5		13	0.5		**0.044**	0.041		<0.001	<0.001	*12*		<0.001	***1.2***			
B-103S	11-07-2013	N	1305.43	6.51	950	11.9	<0.1	17	<0.5		<10	1.1							*14*			***1.7***			
B-103S	04-22-2014	N	1305.96	*6.36*	210	16.1	<0.1	25	<0.5		25	1.3							*14*			***2***			
B-103S	07-14-2014	N	1305.52	6.72	189	19.5	<0.1	18	<0.5		<10	0.6		**0.038**	0.022		<0.001	<0.001	*12*		<0.001	***1.5***			
B-103S	07-14-2014	FD					<0.1	18	<0.5		<10	0.7		**0.039**	0.019		<0.001	<0.001	*10*		<0.001	***1.4***			
B-103S	11-04-2014	N	1305.10	*6.4*	680	13.3	<0.1	30	<0.5		<10	1							*26*			***2.8***			
B-103S	11-04-2014	FD					<0.1	31	<0.5		<10	1							*24*			***2.5***			
B-103S	04-13-2015	N	1304.62	6.97	129	15.2	<0.1	5	<0.5		<10	0.6							*6.8*			***0.74***			
B-103S	07-21-2015	N	1304.66	6.81	232	18.4	<0.1	21	<0.5		<10	0.7		**0.051**	0.026		<0.001	<0.001	*18*		<0.001	***2***			
B-103S	07-21-2015	FD					<0.1	20	<0.5		<10	0.8		**0.047**	0.024		<0.001	<0.001	*16*		<0.001	***1.9***			
B-103S	11-10-2015	N	1304.26	7.1	240	14.4	<0.1	13	<0.5		<10	0.7							*12*			***1.5***			
B-103S	11-10-2015	FD					<0.1	13	<0.5		<10	0.8							*11*			***1.4***			
B-103S	04-11-2016	N	1304.09	6.74	188	10.8	<0.1	7	<0.5		<10	0.8							*11*			***1.4***			
B-103S	07-11-2016	N	1302.80	7.05	147	14.6	<0.1	6	<0.5		<10	0.7		**0.04**	0.011		<0.001	<0.001	*9.7*		<0.001	***1.1***			
B-103S	07-11-2016	FD					<0.1	6	<0.5		<10	0.6		**0.039**	0.01		<0.001	<0.001	*9.3*		<0.001	***1.1***			
B-103S	11-07-2016	N	1303.67	6.84	214	13.1	<0.1	12	<0.5		<10	0.6							*14*			***1.9***			
B-103S	11-07-2016	FD					<0.1	12	<0.5		<10	0.6							*15*			***1.9***			
B-103S	04-04-2017	N	1303.74	6.74	170	11.5	<0.1	6	<0.5		<10	0.6							*13*			***2.1***			
B-103S	07-25-2017	N	1304.11	7.16	140	15	<0.1	5	<0.5		17	0.6		**0.039**	0.017		<0.001	<0.001	*8.9*		<0.001	***1.4***			
B-103S	07-25-2017	FD					<0.1	5	<0.5		15	0.6		**0.038**	0.012		<0.001	<0.001	*9.1*		<0.001	***1.4***			
B-103S	11-08-2017	N	1304.27	6.94	206	11.6	<0.1	8	<0.5		<10	0.5							*14*			***2.3***			
B-103S	11-08-2017	FD					<0.1	7	<0.5		<10	0.7							*14*			***2.3***			
B-103S	04-24-2018	N	1304.31	6.61	173	15.8	<0.1	9.1	<0.5		<10	<0.5							*13*			***2.3***			
B-103S	04-24-2018	FD					<0.1	8.8	<0.5		<10	<0.5							*13*			***2.3***			
B-103S	07-11-2018	N	1304.16	6.54	143	17.7	<0.1	4	<0.5		<10	<0.5		**0.039**	0.012		<0.001	<0.001	*8.3*		<0.001	***1.2***			
B-103S	07-11-2018	FD					<0.1	3.9	<0.5		<10	<0.5		**0.039**	0.011		<0.001	<0.001	*9.1*		<0.001	***1.4***			
B-103S	11-05-2018	N	1303.79	*6.43*	172	11.3	<0.1	11	<0.5		<10	0.55							*13*			***2.8***			
B-103S	11-05-2018	FD					<0.1	11	<0.5		<10	0.78							*14*			***3***			
B-103S	04-23-2019	N	1304.33	6.51	157	13	<0.1	6.5	<0.5		<10	<0.5							*13*			***2.7***			
B-103S	07-08-2019	N	1304.31	6.77	130	14.8	<0.1	3.2	<0.5		<10	<0.5		**0.037**	0.0097		<0.001	<0.001	*7.8*		<0.001	***1.6***			
B-103S	07-08-2019	FD					<0.1	3	<0.5		<10	<0.5		**0.033**	0.0094		<0.001	<0.001	*6.6*		<0.001	***1.6***			
B-103S	11-05-2019	N	1304.60	6.94	134	12.5	<0.1	4.9	<0.5		<10	0.69							*8.8*			***1.8***			
B-103S	11-05-2019	FD					<0.1	4.6	<0.5		<10	<0.5							*8.8*			***1.7***			
B-103S	04-21-2020	N	1305.03	*6.48*	142	11.3	<0.1	4.1	<0.5		<10	<0.5							*8.2*			***1.6***			
B-103S	07-15-2020	N	1304.67	6.93	111	16.1	<0.1	3.5	<0.5		<10	<0.5		**0.036**	0.008		<0.001	<0.001	*7.6*		<0.001	***1.8***			
B-103S	07-15-2020	FD					<0.1	3.4	<0.5		<10	<0.5		**0.036**	0.0085		<0.001	<0.001	*7.4*		<0.001	***1.8***			
B-103S	11-03-2020	N	1304.40	6.73	186	11.8	<0.1	10	<0.5		14	<0.5							*13*			***2.9***			
B-103S	04-20-2021	N	1304.28	6.91	111	13	<0.1	3.2	<0.5		<10	<0.5							*8*			***2.1***			

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-103S	07-05-2021	N	1303.85	6.64	147	16.3	<0.1	4.9	<0.5		<10	<0.5		**0.039**	0.0099		<0.001	<0.001	*8.9*		<0.001	***2.2***			
B-103S	07-05-2021	FD					<0.1	4.9	<0.5		<10	<0.5		**0.038**	0.0093		<0.001	<0.001	*8.9*		<0.001	***2.2***			
B-103S	09-29-2021	N	1303.57																						
B-103S	11-01-2021	N	1303.37	6.77	111	13.1	<0.1	5.4	<0.5		<10	<0.5							*8.3*			***2.3***			
B-103S	11-01-2021	FD					<0.1	5.1	<0.5		<10	<0.5							*8.2*			***2.3***			
B-103S	02-22-2022	N	1303.33																						
B-103S	04-18-2022	N	1303.46																						
B-103S	04-20-2022	N	1303.43	7.48	147	11.3	<0.1	5.8	<0.5		<10	0.6							*9.1*			***2.5***			
B-103S	06-08-2022	N	1303.30																						
B-103S	07-11-2022	N	1303.15	6.73	164	15.3	<0.1	5.9	<0.5		<10	<0.5		**0.035**	0.01		<0.001	<0.001	*9.2*		<0.001	***2.1***			
B-103S	07-11-2022	FD					<0.1	5.8	<0.5		<10	<0.5		**0.035**	0.01		<0.001	<0.001	*9.3*		<0.001	***2.1***			
B-103S	11-01-2022	N	1302.85	6.87	152	13.1	<0.1	9.5	<0.5		<10	<0.5							*9.7*			***2.6***			
B-103S	04-18-2023	N	1303.38	7.1	125	11.7	<0.1	4.3	<0.5		<10	<0.5							*8.3*			***2***			
B-103S	07-10-2023	N	1303.66	7.07	161	14.5	<0.1	5.3	<0.5		<10	<0.5		**0.029**	0.0094		<0.001	<0.001	*8.9*		<0.001	***2.1***			
B-103S	07-10-2023	FD					<0.1	5.3	<0.5		<10	<0.5		**0.03**	0.0094		<0.001	<0.001	*9.2*		<0.001	***2.1***			
B-103S	11-08-2023	N	1304.25	7.71	155	10.1	<0.1	6.4	<0.5		<10	<0.5							*10*			***2.6***			
B-103S	04-15-2024	N	1305.90	6.76	165	10.6	<0.1	4.3	<0.5		<10	<0.5							*13*			***2.4***			
B-103S	07-23-2024	N	1306.19	*6.49*	277	14.8	0.17	18	<0.5	38	<10	<0.5		**0.026**	0.023		<0.001	<0.001	*22*		<0.001	***3.8***			
B-103S	07-23-2024	FD					0.15	19	<0.5	38	<10	<0.5		**0.027**	0.023		<0.001	<0.001	*23*		<0.001	***3.9***			
B-103D	03-03-1987	N		6.6				23			130								*2.6*			***1.4***			
B-103D	06-11-1987	N	1303.63	6.7	440	9.5		14			110								*22*			***9.8***			
B-103D	09-21-1987	N	1303.33	*5.9*	330	8.5		18			140								*25*			***9.6***			
B-103D	12-29-1987	N	1303.43	6.6	480	2		12			47								*23*			***8.3***			
B-103D	03-29-1988	N	1303.23					19			78								*13*			***4.6***			
B-103D	07-13-1988	N		6.8	738	17		15			86								*18*			***11***			
B-103D	10-17-1988	N	1303.23	6.6	704	11.7		11			110								*31*			***11***			
B-103D	12-20-1988	N		6.9	708	8.4		12			85								*35*			***12***			
B-103D	04-26-1989	N		6.6	675	8.6		16			120								*33*			***12***			
B-103D	07-27-1989	N		6.6	718	11.8		11			100								*38*			***12***			
B-103D	10-26-1989	N		6.7	695	10.5		9			140			**0.03**			0.005	<0.01	*44*		<0.005	***14***			
B-103D	02-06-1990	N		7.2	658	5.5		7.6			100			**0.04**			**0.006**	<0.01	*56*		<0.005	***15***			
B-103D	05-23-1990	N	1302.93	6.9	732	10.6		10			59			**0.03**			<0.005	<0.01	*57*		<0.005	***14***			
B-103D	08-29-1990	N	1303.68	7.95	712	13.5		45			180			**0.03**			<0.005	<0.01	*66*		<0.005	***14***			
B-103D	12-03-1990	N		*6.33*	702	6		7			62			**0.018**			<0.005	<0.01	*50*		0.0062	***12***			
B-103D	02-28-1991	N	1304.63	*6.2*	642	8.3		14			96			**0.035**			<0.005	<0.01	*67*		<0.005	***13***			
B-103D	07-08-1991	N		*6.3*	560	11.3		7.9			210			**0.042**			<0.005	<0.01	*83*		<0.005	***13***			
B-103D	09-09-1991	N	1305.03	6.5	699	11.3		7			48			<0.01			<0.001	<0.002	*63*		<0.01	***12***			
B-103D	01-02-1992	N	1304.63	*6.2*	1103	5.4		8			75			<0.01			<0.001	<0.002	*88*		<0.01	***14***			
B-103D	04-10-1992	N		6.6	664	14		6			87			<0.01			**0.013**	<0.002	*73*		<0.01	***14***			
B-103D	07-08-1992	N	1304.83	6.6	750			15			90			**0.03**			**0.01**	<0.002	*97*		**0.02**	***16***			
B-103D	10-07-1992	N	1304.13	6.6	615	12		17			99			**0.04**			<0.001	<0.002	*100*		<0.01	***15***			
B-103D	04-15-1993	N		6.6	629	9.7		25	<0.5		190	1.3							*140*			***16***			
B-103D	05-20-1993	N												<0.01	0.09		0.003	<0.002			<0.01				<0.001
B-103D	07-15-1993	N						31	<0.5		250	1.1		<0.01	0.1		<0.001	<0.002	*110*		<0.01	***16***			<0.005
B-103D	11-24-1993	N	1302.73	7.1	1116	6.7		26	<0.5		220	1		<0.01	0.12		<0.001	<0.002	*180*		<0.01	***19***			<0.005
B-103D	04-13-1994	N	1304.43	6.8	1123	10		26	<0.5		270	<0.5		<0.01	0.12		<0.001	<0.002	*180*		<0.01	***18***			<0.005
B-103D	07-07-1994	N	1303.53	*6.2*	1045	17.8		52	<0.5		400	1		<0.01	0.12		**0.008**	0.004	*180*		<0.01	***19***			<0.005

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Bethlehem, New Hampshire
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| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

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Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-103D	11-28-1994	N	1303.13	7.1	1465	4.5		56	<0.5		520	1		<0.01	0.15		**0.007**	0.003	*230*		<0.01	***22***			<0.005
B-103D	04-03-1995	N	1303.23	6.8	1489	7.3		53	<0.5		410	1.1		<0.01	0.12		0.003	<0.002			<0.01				<0.005
B-103D	06-12-1995	N	1302.73																						
B-103D	07-13-1995	N	1302.53	6.7	1470	19	<1	61	<0.5		360	1.2		**0.03**	0.12		**0.039**	<0.002	*200*		<0.01	***20***			<0.005
B-103D	11-14-1995	N	1302.81	6.5	1415	7.1	<1	59	<0.5		290	1.2							*170*			***19***			
B-103D	11-27-1995	N	1303.80	6.6	1230	5.2	0.3							**0.05**	0.11		**0.007**	<0.002			0.01				<0.005
B-103D	04-15-1996	N	1303.62	*6.2*	1110	5.3	0.3	50	<0.5		56	0.9		<0.01	0.1		0.004	0.006	*100*		0.01	***16***			<0.005
B-103D	07-09-1996	N	1305.12	6.5	720	9.6	0.3	62	<0.5		130	0.9		<0.01	0.1		0.005	<0.002	*120*		<0.01	***15***			<0.005
B-103D	11-11-1996	N	1305.98	6.5	880	4.7	0.4	55	<0.5		84	1.1		<0.01	0.09		0.004	<0.002	<0.01		<0.01	<0.005			<0.005
B-103D	04-07-1997	N	1305.75	6.6	1020	0.4	0.4	55	0.1		54	1.34		**0.06**	<0.2		<0.0002	<0.002	*117*		<0.003	***12.1***			<0.02
B-103D	07-07-1997	N	1305.78	*6.1*	980	13.9	0.4	169	<0.1		48	1.7		**0.054**	<0.2		<0.0002	<0.002	*121*		<0.003	***13***			<0.02
B-103D	11-11-1997	N	1305.23	*6*	660	4.9	<0.5	39	<0.1		69	0.1		**0.043**	<0.2		<0.0002	<0.002	*82*		<0.003	***9.7***			<0.02
B-103D	04-13-1998	N	1305.07	6.5	804	9	<0.5	35	<0.1		28	1.91							*80*			***8.8***			
B-103D	07-13-1998	N	1304.82	6.5	460	14.8	<0.5	23	0.1		99	1.5		**0.044**	<0.1		<0.0002	<0.002	*52*		<0.003	***6.2***			
B-103D	11-16-1998	N	1308.80	*6.3*	610	6.2	<0.5	27	<0.1		55	2.2							*69*			***6.3***			
B-103D	04-05-1999	N	1304.17	*6.4*	550	9	0.2	23	<0.1		20	1.3							*63*			***6.3***			
B-103D	07-27-1999	N	1308.81	*6.4*	748	12	0.2	25	<0.1		60	1.6		**0.034**	<0.2		<0.0005	<0.005	*81*		<0.003	***8***			
B-103D	11-17-1999	N	1304.31	6.8	840	3.4	<0.4	17.3	0.129		67	1.19							*103*			***8.35***			
B-103D	04-10-2000	N	1305.06	6.8	686	7.4	0.255	16.5	0.048		17	2.15							*65.4*			***5.23***			
B-103D	07-17-2000	N	1305.73	6.5	672	14	<0.1	8.68	0.04		36	2.27		**0.081**	0.059		<0.003	<0.01	*53.8*		<0.002	***6.93***			
B-103D	11-13-2000	N	1305.20	6.6	620	7.2	0.285	10.6	0.045		24	2.27							*50.7*			***6.13***			
B-103D	04-02-2001	N	1304.27	6.8	491	9.2	0.148	7.97	0.177		<15	2.27							*52*			***6.4***			
B-103D	07-09-2001	N	1304.03	6.6	540	19.9	0.182	7.06	<0.02		<15	1.64		**0.036**	0.05		<0.003	<0.01	*67*		<0.002	***6.2***			
B-103D	11-05-2001	N	1304.12	6.7	492	5.8	0.168	7.55	0.033		<15	2.79							*13.7*			***1.17***			
B-103D	04-15-2002	N	1302.86	6.6	482	14.5	0.153	5.26	0.09		<15	3.82							*43.9*			***4.15***			
B-103D	07-15-2002	N	1303.15	*6.4*	398	14.8	<0.1	6.13	0.176		<15	3.6	<0.002	**0.056**	0.037	<0.002	<0.003	<0.01	*48*		<0.002	***4.26***		<0.02	<0.01
B-103D	11-18-2002	N	1303.15	6.7	325	6.5	<0.1	4.56	0.052		<15	3.37							*35.4*			***3.05***			
B-103D	04-07-2003	N	1302.64	6.9	253	6.8	<0.1	4.71	0.02		<15	3.46							*25.6*			***2.34***			
B-103D	07-14-2003	N	1298.98	6.7	250	13.1	<0.1	3.93	<0.02		<15	2.1		**0.039**	0.022		<0.003	<0.01	*15.3*		<0.002	***2.09***			
B-103D	11-03-2003	N	1299.10	6.9	340	11	<0.1	3.32	<0.02		<15	4.19							*18.3*			***2***			
B-103D	04-05-2004	N	1304.28	6.8	205	4.2	<0.1	3.22	0.081		<15	1.98							*18.5*			***1.86***			
B-103D	07-06-2004	N		*6.3*	363	14.1	0.636	7.63	0.086		20	3.8		**0.04**	0.049		<0.003	<0.01	*43.8*		0.002	***4.01***			
B-103D	11-08-2004	N	1292.90	6.5	202	9	<0.1	3.27	0.092		<15	2.41							*16.2*			***1.67***			
B-103D	04-11-2005	N	1305.15	*5.8*	206	6.1	<0.1	4.35	0.042		<15	1.93							*11.8*			***1.7***			
B-103D	07-11-2005	N	1304.96	6.7	176	15.9	0.297	4.41	0.02		<15	2.4		**0.012**	<0.02		<0.003	<0.01	*7.96*		<0.001	***1.53***			
B-103D	11-01-2005	N	1293.18	*5.8*	175	10.6	<0.1	3.83	0.034		<15	0.233							*12.7*			***1.63***			
B-103D	04-10-2006	N	1306.17	*6.2*	163	12.9	<0.1	3.65	<0.02		<15	1.89							*12.8*			***1.41***			
B-103D	07-10-2006	N	1306.44	6.5	130	14.6	<0.1	4.53	0.076		<15	1.52		**0.03**	<0.02		<0.002	<0.01	*12.5*		<0.02	***1.51***			
B-103D	11-06-2006	N	1306.36	6.61	150	9.5	<0.1	4.94	7.01		<15	2.21							*11.3*			***1.47***			
B-103D	04-09-2007	N	1305.95	6.7	154	6.1	<0.1	4.69	0.112		<15	1.5							*11.3*			***1.45***			
B-103D	07-23-2007	N	1306.08	6.8	139	16.7	<0.1	3.9	<0.02		<15	1.03		**0.031**	<0.02		<0.002	<0.02	*10.3*		<0.001	***1.32***			
B-103D	11-05-2007	N	1305.30	6.6	110	10	<0.1	3.6	0.12		<10	1.1		**0.042**					*8.93*			***1.11***			
B-103D	04-21-2008	N	1304.82	7.55	208	16.5	<0.1	17	0.02		110	2							*11*			***1.6***			
B-103D	07-21-2008	N	1304.93	*6.3*	100	15.7	<0.1	30	<0.2		43	1.9		**0.036**	<0.02		<0.002	<0.02	*16*		<0.001	***1.7***			
B-103D	11-18-2008	N	1305.72	*5.8*	230	7.4	<0.1	45	0.02		35	1.8							*22*			***2.5***			
B-103D	04-07-2009	N	1306.13	*6.28*	250	8.3	<0.1	46	<0.5		90	1.5							*20*			***2.4***			
B-103D	07-14-2009	N	1306.21	*6*	260	13.1	<0.1	63	<0.5		20	1.9		**0.036**	0.026		<0.001	<0.001	*25*		<0.001	***3***			
B-103D	11-09-2009	N	1306.02	6.6	260	12.5	0.4	53	<0.5		30	1.3							*19*			***2.3***			

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Volatile Organic Compounds																																Semi-Volatile Organic Compounds																					
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			Acetone	Benzene	Bromomethane	Butanone (2-) (MEK)	Chlorobenzene (Monochlorobenzene)	Chloroethane	Chloroform (Trichloromethane)	Chloromethane	Dichlorobenzene (1,4-)	Dichlorodifluoromethane (CFC12)	Dichloroethane (1,1-)	Dichloroethene (1,1-)	Dichloroethene (cis-1,2-)	Diethyl Ether (Ethyl Ether)	Dioxane (1,4-)	Ethylbenzene	Hexanone (2-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Methyl-tert Butyl Ether (MTBE)	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethane (1,1,1-)	Trichloroethene (TCE)	Trichlorofluoromethane (CFC11)	Vinyl chloride	Xylene (m,p-)	Xylene (o-)	Xylenes (total)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic acid	bis(2-Ethylhexyl)phthalate (Di(ethylhexyl)phthalate)	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Methylphenol (3,4-)	Naphthalene	Phenanthrene	Pyrene
		Fraction	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		GW-1 (AGQS)	6000	5	10	4000	100		70	30	75	1000	81	7	70	1400	0.32	700		2000	5	13	5	600	1000	200	5	2000	2	10000	10000	10000	420	420	2100	0.1	0.2	0.1	210	0.5	28000	6	5	0.1	280	280	0.1	40	100	210	210
		SMCL																																																					
B-103D	11-28-1994	N	1000			1300																			680						20																								
B-103D	04-03-1995	N	840			890																			710						20																								
B-103D	06-12-1995	N																																																				
B-103D	07-13-1995	N	900	<10		800		<100	<0	<100			<20		<20			<10	<100	<100		<200			800		<20				20								640						**460**			
B-103D	11-14-1995	N	500	<10		200		<100	<0	<100			<20		<20			<10	<100	<100		<200			610		<20				20																			
B-103D	11-27-1995	N	630	<10		250		<100	<0	<100			<20		<20			<10	<100	<100		<200			520		<20				10																			
B-103D	04-15-1996	N	<500	<10		<100		<100	<0	<100			<20		<20			<10	<100	<100		<200			630		<20				20																			
B-103D	07-09-1996	N	<500	<10		<100		<100	<0	<100			<20		<20			<10	<100	<100		<200			610		<20				10																			
B-103D	11-11-1996	N	<500	<10		<100		<100	<0	<100			<20		<20			<10	<100	<100		<200			500		<20				<10																			
B-103D	04-07-1997	N	<10	<1		<10		4	<0	<1			5		<1			3	12	25		3			348		1			9	3	12																			
B-103D	07-07-1997	N	<10	<1		<10		4.2	<0	<1			6.2		<1			2.6	<10	21		<1			220		1.1			7.7	2.5	10.2														**145**			
B-103D	11-11-1997	N	<20	<1		<20		4.2	<0	1.6		15	4.6		<1			1.7	<10	<10		<1			130		1.2			5.6	2	7.6																			
B-103D	04-13-1998	N	<10	<1		<10		2	<0	<1		3.7	3.4		<1			<1	<10	<10		<1			57		1			2.7		2.7																			
B-103D	07-13-1998	N	<10	<1		<10		1.9	<0	<1		5.2	3.3		<1	4.9		<1	<10	<10		<1		18	32		<1			2.3		2.3																			
B-103D	11-16-1998	N	<10	<1		<10		3.2	<0	<1		3.3	2.9		<1	6.9		0.7	<10	<10		<1		21	81		0.7			2		2																			
B-103D	04-05-1999	N	<10	<1		<10		4.2	<0	<1		3.8	2.3		<1	4.8		<1	<10	<10		<1		17	44		<1					1.4																			
B-103D	07-27-1999	N	<10	0.9		<10		7.2	<0	<1		3.5	2.2		1.3	8		<1	<10	<10		<1		21	<1		<1					<2																			
B-103D	11-17-1999	N	<20	1.3		<20		5.2	<0	<10		<10	4.5		1.9	<20		<1	<20	<20		<2		10.9	1.6		<1					2.2																			
B-103D	04-10-2000	N	<20	1.2		<20		<5	<0	<10		<10	5.5		2.1	<20		<1	<20	<20		<2		<20	1.1		<1					<2																			
B-103D	07-17-2000	N	<20	1.5		<20		<5	<0	<10		<10	7.9		3	<20		<1	<20	<20		<2		<10	<1		<1					<2																			
B-103D	11-13-2000	N	<20	1.9		<20		<5	<0	<10		<10	10.5		3.9	<20		<1	<20	<20		<2		<10	<1		<1					<2																			
B-103D	04-02-2001	N	<20	1.3		<20		<5	<0	<10		<10	7.2		2.7	<20		<1	<20	<20		<2		<10	<1		<1					<2																			
B-103D	07-09-2001	N	<20	<1		<20		<5	<0	<10		<10	6		2.4	<20		<1	<20	<20		<2		<10	<1		<1					<2																			
B-103D	11-05-2001	N	<20	<1		<20		<5	<0	<10		<10	4.9		2	<20		<1	<20	<20		<2		<10	<1		<1					<2																			
B-103D	04-15-2002	N	<20	<1		<20		<5	<0	<10		<10	3.6		1.1	<20		<1	<20	<20		<2		<10	<1		<1					<2																			
B-103D	07-15-2002	N	<20	<1		<20		<5	<0	<10		<10	1.9		<1	<20		<1	<20	<20		<2		<10	<1		<1					<2																			
B-103D	11-18-2002	N	<20	<1		<20		<5	<0	<10		<10	2.1		<1	<10		<1	<20	<20		<2		<10	<1		<1					<2																			
B-103D	04-07-2003	N	<25	<1		<25		<5	<0	<10		<10	1.1		<1	<10		<1	<20	<20		<2		<10	<1		<1					<2																			
B-103D	07-14-2003	N	<10	<1		<10		<5	<0	<3		<5	1.1		<1	<5		<1	<10	<10		<2		<10	<1		<1					<2																			
B-103D	11-03-2003	N	<10	<1		<10		<5	<0	<3		<5	1.2		<1	<5		<1	<10	<10		<2		<10	<1		<1					<2																			
B-103D	04-05-2004	N	<10	<1		<10		<5	<0	<3		<5	1.3		<1	<5		<1	<10	<10		<2		<10	<1		<1					<2																			
B-103D	07-06-2004	N	<10	<1		<10		<5	<0	<3		<5	<1		<1	<5		<1	<10	<10		<1		<10	<1		<1					<2																			
B-103D	11-08-2004	N	<10	<1		<10		<5	<0	<3		<5	<1		<1	<5		<1	<10	<10		<2		<10	<1		<1					<2																			
B-103D	04-11-2005	N	<10	<1		<10		<5	<0	<3		<5	<1		<1	<5		<1	<10	<10		<2		<10	<1		<1					<2																			
B-103D	07-11-2005	N	<10	<1		<10		<5	<0	<3		<5	<1		<1	<5		<1	<10	<10		<2		<10	<1		<1					<2																			
B-103D	11-01-2005	N	<10	<1		<10		<5	<0	<3		<5	1		<1	<5		<1	<10	<10		<2		<10	<1		<1					<2																			
B-103D	04-10-2006	N	<10	<1		<10		<5	<1	<3		<5	<2		<1	<5		<1	<10	<10		<2		<10	<1		<1					<2																			
B-103D	07-10-2006	N	<10	<1		<10		<5	<1	<3		<5	<1		<1	<5		<1	<10	<10		<2		<10	<1		<1					<2																			
B-103D	11-06-2006	N	<10	<1		<10		<5	<1	<3		<5	<1		<1	<5		<1	<10	<10		<2		<10	<1		<1					<2																			
B-103D	04-09-2007	N	<10	<1		<10		<5	1.8	<3		<5	<1		<1	<5		<1	<10	<10		<2		<10	<1		<1					<2																			
B-103D	07-23-2007	N	<10	<1		<10		<5	<1	<3		<5	<1		<1	<5		<1	<10	<10		<2		<10	<1		<1					<2																			
B-103D	11-05-2007	N	<10	<1		<10		<5	<1	<3		<5	<1		<1	<5		<1	<10	<10		<2		<10	<1		<1					<2																			
B-103D	04-21-2008	N	<10	<1		<10		<5	<1	<3		<5	<1		<1	<5		<1	<10	<10		<2		<10	<1		<1					<2																			
B-103D	07-21-2008	N	<10	<1		<10		<5	<1	<3		<5	<1		<1	<5		<1	<10	<10		<2		<10	<1		<1					<2																			
B-103D	11-18-2008	N	<10	<1		<10		<5	<1	<3		<5	<1		<1	<5		<1	<10	<10		<2		<10	<1		<1					<2																			
B-103D	04-07-2009	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<1	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																			
B-103D	07-14-2009	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<1	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																			
B-103D	11-09-2009	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<1	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																			

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-103D	02-15-2010	N	1305.54	6.8	270	8.4	0.2																		
B-103D	03-10-2010	N	1305.48	*6.1*	180	8	0.2																		
B-103D	04-08-2010	N	1305.83	*5.93*	230	10.1	<0.1	25	<0.5		20	1.2							*7.1*			***0.98***			
B-103D	05-26-2010	N	1306.11	*5.7*	160	17.8	<0.1																		
B-103D	06-16-2010	N	1306.11	*5.7*	140	13.6	<0.1																		
B-103D	07-12-2010	N	1306.14	*6.31*	140	19.6	<0.1	26	<0.5		<10	1		**0.029**	0.024		<0.001	<0.001	*6.1*		0.002	***1.2***			
B-103D	08-10-2010	N	1306.34	*5.8*	180	18.6	0.4																		
B-103D	09-08-2010	N	1306.27	*5.9*	180	15	<0.1																		
B-103D	10-05-2010	N	1306.35	*5.9*	200	16.3	<0.1																		
B-103D	11-01-2010	N	1306.23	*5.93*	190	9.2	<0.1	36	<0.5		<10	1							*4.7*			***0.81***			
B-103D	12-03-2010	N	1306.31	*6.3*	220	9.8	<0.1																		
B-103D	01-14-2011	N	1306.31	*6*	250	8.1	<0.1																		
B-103D	02-17-2011	N	1306.20	*5.9*	265	11	<0.1																		
B-103D	03-10-2011	N	1306.17	*6.2*	200	6.8	<0.1																		
B-103D	04-18-2011	N	1307.28	*6.4*	140	10.7	<0.1	43	<0.5		<10	0.8							*1*			***0.52***			
B-103D	07-13-2011	N	1306.90	*6.1*	170	22.7	<0.1	34	<0.5		<10	1		**0.031**	0.015		<0.001	<0.001	*6.1*		<0.001	***1.2***			
B-103D	11-02-2011	N	1306.05	*6.37*	180	7	<0.1	29	<0.5		<10	1.1							*6.1*			***1.3***			
B-103D	04-10-2012	N	1304.77	*6.3*	220	13	<0.1	24	<0.5		10	1							*2*			***0.75***			
B-103D	07-16-2012	N	1304.67	*6.47*	300	24.1	<0.1	20	<0.5		<10	0.8		**0.03**	0.01		<0.001	<0.001	*1.3*		<0.001	***0.65***			
B-103D	11-06-2012	N	1304.31	6.77	127	9	<0.1	13	<0.5		<10	0.9							*2.1*			***0.61***			
B-103D	04-10-2013	N	1303.94	6.8	40	11.7	<0.1	8	<0.5		14	1.1							*0.64*			***0.56***			
B-103D	07-08-2013	N	1304.49	*6.28*	190	16.7	<0.1	7	<0.5		<10	0.5		**0.035**	0.008		<0.001	<0.001	*1.2*		<0.001	***0.46***			
B-103D	11-07-2013	N	1304.95	6.61	1370	12.3	<0.1	6	<0.5		<10	0.8							*2*			***0.55***			
B-103D	04-22-2014	N	1304.97	*6.38*	110	15.5	<0.1	6	<0.5		<10	1							*0.9*			***0.57***			
B-103D	07-14-2014	N	1304.88	6.74	118	15.8	<0.1	5	<0.5		<10	<0.5		**0.037**	0.007		<0.001	<0.001	*2.1*		<0.001	***0.58***			
B-103D	11-04-2014	N	1304.48	6.6	110	12	<0.1	4	<0.5		<10	0.9							*2.2*			***0.54***			
B-103D	04-13-2015	N	1304.32	6.87	126	14.4	<0.1	7	<0.5		<10	0.8							*3.1*			***0.58***			
B-103D	07-21-2015	N	1303.98	6.79	103	17.8	<0.1	6	<0.5		<10	0.6		**0.032**	0.007		<0.001	<0.001	*0.47*		<0.001	***0.33***			
B-103D	11-10-2015	N	1303.66	6.93	190	14.9	<0.1	6	<0.5		<10	1.1							*3.7*			***0.7***			
B-103D	04-11-2016	N	1303.75	7.03	175	10.3	<0.1	8	<0.5		<10	0.9							*3.7*			***0.68***			
B-103D	07-11-2016	N	1305.03	7.18	145	15.3	<0.1	7	<0.5		<10	1.3		**0.042**	0.007		<0.001	<0.001	*5.9*		<0.001	***0.86***			
B-103D	11-07-2016	N	1303.32	7.07	135	12.3	<0.1	6	<0.5		<10	0.7							*4.4*			***0.69***			
B-103D	04-04-2017	N	1303.26	6.7	124	10.8	<0.1	7	<0.5		<10	0.8							*3.1*			***1***			
B-103D	07-25-2017	N	1303.66	6.88	99	15	<0.1	7	<0.5		<10	0.73		**0.024**	0.007		<0.001	<0.001	0.25		<0.001	***0.66***			
B-103D	11-08-2017	N	1303.78	6.99	130	11.9	<0.1	4	<0.5		<10	0.7							*5*			***0.99***			
B-103D	04-24-2018	N	1303.90	6.59	107	16	<0.1	3.8	<0.5		<10	0.6							*2.4*			***1.1***			
B-103D	07-11-2018	N	1303.88	*6.19*	118	16.8	<0.1	3	<0.5		<10	0.54		**0.043**	0.0097		<0.001	<0.001	*3*		<0.001	***0.89***			
B-103D	11-05-2018	N	1303.46	*6.41*	96	12.3	<0.1	2.6	<0.5		<10	<0.5							*2.9*			***0.97***			
B-103D	04-23-2019	N	1303.74	6.7	96	12.6	<0.1	3.1	<0.5		<10	0.63							*1.8*			***0.97***			
B-103D	07-08-2019	N	1303.95	6.67	94	14.6	<0.1	3	<0.5		<10	0.5		**0.035**	0.0069		<0.001	<0.001	*0.5*		<0.001	***0.87***			
B-103D	11-05-2019	N	1304.09	6.88	101	12.3	<0.1	2.8	<0.5		<10	0.51							*3.9*			***1***			
B-103D	04-21-2020	N	1304.51	6.74	105	13	<0.1	2.8	<0.5		<10	0.51							*1.6*			***0.94***			
B-103D	07-15-2020	N	1304.25	6.76	96	16.5	<0.1	2.3	<0.5		<10	<0.5		**0.041**	0.0058		<0.001	<0.001	*3.9*		<0.001	***1.2***			
B-103D	11-03-2020	N	1303.90	6.88	90	10.6	<0.1	2.8	<0.5		<10	<0.5							*0.54*			***0.78***			
B-103D	11-03-2020	FD					<0.1	2.3	<0.5		<10	<0.5							*0.51*			***0.8***			
B-103D	04-20-2021	N	1303.80	6.85	83	12.9	<0.1	2.6	<0.5		<10	1							*1.4*			***1***			
B-103D	07-05-2021	N	1303.47	6.75	107	14.6	<0.1	2.4	<0.5		<10	0.5		**0.042**	0.0066		<0.001	<0.001	*3.8*		<0.001	***1.1***			
B-103D	09-29-2021	N	1303.13																						

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

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Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-103D	11-01-2021	N	1302.91	6.82	85	13	<0.1	1.9	<0.5		<10	<0.5							*3.9*			***1.2***			
B-103D	04-20-2022	N	1302.94	7.54	406	10.8	<0.1	2.6	<0.5		<10	0.93							*3.7*			***1.2***			
B-103D	07-11-2022	N	1302.81	6.86	113	15.3	<0.1	2	<0.5		<10	1.1		**0.04**	0.0056		<0.001	<0.001	*3.1*		<0.001	***1.2***			
B-103D	11-01-2022	N	1302.48	6.97	101	12.9	<0.1	2	<0.5		<10	<0.5							*4.5*			***1.1***			
B-103D	04-18-2023	N	1303.03	7.08	101	12	<0.1	2	<0.5		<10	0.56							*4.2*			***1.1***			
B-103D	07-10-2023	N	1303.34	7.13	139	15.5	<0.1	1.9	<0.5		<10	<0.5		**0.038**	0.0052		<0.001	<0.001	*6.1*		<0.001	***1.2***			
B-103D	11-08-2023	N	1303.87	7.22	96	10.5	<0.1	2.2	<0.5		<10	<0.5							*2.2*			***0.67***			
B-103D	04-15-2024	N	1305.39	6.83	100	11.7	<0.1	1.9	<0.5		<10	<0.5							*4.6*			***1.2***			
B-103D	07-23-2024	N	1305.68	6.72	102	15.6	<0.1	2.6	<0.5		<10	<0.5		**0.037**	0.0059		<0.001	<0.001	*4.5*		<0.001	***1.2***			
B-304UR	04-10-2006	N	1293.90	6.9	175	8.9	<0.1	14.8	0.936		<15	0.447							<0.01			*0.08*			
B-304UR	05-30-2006	N											<0.002	<0.002	<0.02	<0.002	<0.002	<0.01			<0.01			<0.02	<0.01
B-304UR	07-10-2006	N	1291.25	*6.28*	271	20.7	0.269	50	0.963		<15	0.12	<0.002	<0.002	0.031	<0.002	<0.002	<0.01	<0.01		<0.02	0.032		<0.02	<0.01
B-304UR	11-06-2006	N	1290.66	*6.2*	110	7.7	0.251	50.4	0.938		<15	<0.04							<0.02			<0.02			
B-304UR	04-09-2007	N	1290.21	*6.2*	300	9.2	0.42	46.7	0.92		<15	0.216							<0.02			<0.02			
B-304UR	07-23-2007	N	1290.74	*6.3*	364	17.2	0.313	54.7	0.952		<15	0.177	<0.002	<0.002	0.026	<0.002	<0.002	<0.02	<0.02		<0.001	<0.02		<0.02	<0.02
B-304UR	11-05-2007	N	1288.69	*6.1*	240	8.6	0.14	28	0.86		<10	0.29		<0.002					<0.02			<0.02			
B-304UR	04-21-2008	N	1289.62	*6.15*	419	15.2	0.48	60	1.2		38	<0.1							<0.02			<0.02			
B-304UR	07-21-2008	N	1289.78	*5.3*	500	14.6	0.34	60	1.2		<10	0.11							0.23			<0.02			
B-304UR	11-18-2008	N	1290.34	*5.8*	290	4.9	0.16	36	1.1		<10	0.11							<0.02			<0.02			
B-304UR	12-10-2008	N	1290.46	*6*	289	9.6	0.2																		
B-304UR	01-21-2009	N	1290.80	*6.1*	90	5.5	0.2																		
B-304UR	02-19-2009	N	1290.56	*5.8*	370	8	0.2																		
B-304UR	03-18-2009	N	1290.53	*6.2*	240	10	0.1																		
B-304UR	04-06-2009	N	1290.82	*5.98*	410	8.3	0.2	42	1.6		20	<0.5							0.08			0.012			
B-304UR	05-19-2009	N	1291.25	*5.8*	310	13.2	0.3																		
B-304UR	06-11-2009	N	1291.24	*5.9*	320	15.2	0.1																		
B-304UR	07-13-2009	N	1291.36	*5.44*	310	14.1	0.1	30	1.4		<10	<0.5	<0.001	<0.0005	0.03	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-304UR	07-30-2009	N																							
B-304UR	08-24-2009	N	1291.11	*5.8*	560	16.5	<0.1																		
B-304UR	09-14-2009	N	1291.00	*6.4*	440	14.1	0.2																		
B-304UR	10-14-2009	N	1290.44	*5.39*	320	9.3	0.2																		
B-304UR	11-09-2009	N	1290.15	*5.9*	300	13.1	0.2	34	1.5		<10	<0.5							*0.85*			*0.059*			
B-304UR	12-08-2009	N	1289.97	*6.4*	330	6.8	0.2																		
B-304UR	01-07-2010	N	1289.94	*5.7*	470	8.4	0.2																		
B-304UR	02-09-2010	N	1289.82	*6.4*	380	7	0.2																		
B-304UR	03-09-2010	N	1289.76	*5.5*	360	11.4	0.3																		
B-304UR	04-07-2010	N	1290.28	*5.61*	370	16.1	0.2	33	1.5		<10	<0.5							<0.05			<0.005			
B-304UR	05-25-2010	N	1291.22	*5.4*	360	19	0.1																		
B-304UR	06-15-2010	N	1291.14	*5.5*	330	17.2	0.2																		
B-304UR	07-12-2010	N	1291.08	*5.6*	350	19.1	0.2	31	1.6		<10	<0.5							<0.05			<0.005			
B-304UR	08-09-2010	N	1291.11	*5.4*	340	18.1	0.2																		
B-304UR	09-08-2010	N	1290.81	*5.6*	370	16.1	0.2																		
B-304UR	10-05-2010	N	1290.42	*5.7*	370	15.4	0.2																		
B-304UR	11-01-2010	N	1290.49	*5.99*	470	9.4	0.2	31	2		<10	<0.5							<0.05			<0.005			
B-304UR	12-02-2010	N	1290.70	*5.9*	320	9.9	0.2																		
B-304UR	01-13-2011	N	1290.95	*8.6*	311	5.9	0.2																		
B-304UR	02-16-2011	N	1290.68	*5.8*	333	10.9	0.2																		

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North Country Environmental Services, Inc.
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Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-304UR	03-10-2011	N	1290.34	*5.7*	360	8.4	0.2																		
B-304UR	04-18-2011	N	1291.10	*5.7*	350	10	0.3	29	2		<10	<0.5							<0.05			<0.005			
B-304UR	05-18-2011	N	1292.27	*6.1*	370	13	0.2																		
B-304UR	06-09-2011	N	1292.57	*5.7*	370	15.3	0.2																		
B-304UR	07-12-2011	N	1291.96	7.1	250	20.4	0.2	28	1.7		<10	<0.5	<0.001	<0.0005	0.032	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-304UR	08-09-2011	N	1291.10	*5.6*	320	16	0.1																		
B-304UR	09-06-2011	N	1290.56	*5.5*	290	14.2	0.2																		
B-304UR	10-03-2011	N	1290.91	*5.8*	240	14.9	0.1																		
B-304UR	11-01-2011	N	1290.40	*6.17*	420	10.5	0.1	22	2		<10	<0.5							<0.05			<0.005			
B-304UR	04-10-2012	N	1289.87	*6.3*	1100	9.6	0.1	15	1.9		<10	<0.5							<0.05			0.014			
B-304UR	07-17-2012	N	1289.63	*6.3*	290	17.6	0.2	22	1.8		<10	<0.5							0.17			0.013			
B-304UR	11-07-2012	N	1289.11	*6.32*	332	9.9	0.2	23	1.6		<10	<0.5							<0.05			<0.005			
B-304UR	04-10-2013	N	1289.49	*6.3*	440	9.9	<0.1	17	2.2		<10	<0.5							<0.05			<0.005			
B-304UR	07-08-2013	N	1290.30	*5.86*	380	17.3	<0.1	21	1.8		<10	<0.5	<0.001	<0.0005	0.025	<0.001	<0.001	<0.001	<0.05		<0.001	0.007		0.012	<0.001
B-304UR	11-07-2013	N	1291.18	6.87	541	11.9	0.1	20	2.2		<10	<0.5							<0.05			<0.005			
B-304UR	11-07-2013	FD					<0.1	21	2.2		<10	<0.5							<0.05			<0.005			
B-304UR	04-22-2014	N	1289.94	*5.97*	420	14.5	<0.1	20	2.8		12	<0.5							0.06			0.009			
B-304UR	07-15-2014	N	1291.69	*5.96*	780	20.1	<0.1	24	2.4		<10	<0.5							<0.05			<0.005			
B-304UR	11-05-2014	N	1289.79	*6.22*	700	13.8	<0.1	26	2.7		<10	<0.5							<0.05			<0.005			
B-304UR	04-14-2015	N	1289.24	*6.46*	338	12.9	0.1	25	5.1		<10	<0.5							<0.05			<0.005			
B-304UR	07-20-2015	N	1292.36	*6.13*	379	18.4	<0.1	23	0.9		<10	0.5	<0.001	0.0009	0.018	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.002	<0.001
B-304UR	11-10-2015	N	1290.58	*6.44*	440	14.4	<0.1	25	0.6		<10	<0.5							<0.05			<0.005			
B-304UR	04-12-2016	N	1292.62	*6.2*	380	11.7	<0.1	20	0.6		<10	<0.5							<0.05			<0.005			
B-304UR	07-12-2016	N	1290.63	*6.36*	283	17.4	<0.1	19	3.2		<10	<0.5							<0.05			<0.005			
B-304UR	11-07-2016	N	1288.12	*6.25*	267	12.1	<0.1	29	1.8		<10	<0.5							<0.05			<0.005			
B-304UR	04-04-2017	N	1288.16	*6.44*	377	10.1	<0.1	32	5.9		<10	<0.5							<0.05			<0.005			
B-304UR	07-25-2017	N	1291.76	6.83	252	14	<0.1	12	1.5		<10	<0.5	<0.001	<0.0005	0.02	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-304UR	11-07-2017	N	1289.19	6.6	295	11.1	<0.1	33	1.2		<10	<0.5							<0.05			<0.005			
B-304UR	04-23-2018	N	1290.61	*6.35*	285	17.6	0.13	35	1.8		<10	<0.5							<0.05			<0.005			
B-304UR	07-11-2018	N	1291.11	*5.99*	561	18.1	0.63	78	1.4		<10	<0.5							<0.05			<0.005			
B-304UR	07-26-2018	N	1290.64	6.58	518	13.8	0.49	72																	
B-304UR	11-05-2018	N	1288.11	*6.15*	313	11	0.34	57	1.4		<10	<0.5							<0.05			<0.005			
B-304UR	04-23-2019	N	1290.20	6.57	430	11.8	0.53	69	2.2		<10	<0.5							<0.05			0.0057			
B-304UR	07-08-2019	N	1292.15	*6.48*	327	15.4	0.26	43	1.6		<10	<0.5	<0.001	<0.0005	0.025	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-304UR	11-04-2019	N	1288.91	*6.1*	823	10.8	1.5	200	3.4		15	<0.5							<0.05			0.011			
B-304UR	11-22-2019	N	1289.10	*6.28*	1103	11.3	1.7	220																	
B-304UR	04-21-2020	N	1292.57	*6.26*	309	10.5	<0.1	33	2.3		<10	<0.5							0.15			0.0095			
B-304UR	07-13-2020	N	1290.78	*6.07*	758	17	0.74	110	3.9		11	<0.5							<0.05			0.016			
B-304UR	09-28-2020	N	1288.45	6.5	208	14.2	0.91	130																	
B-304UR	11-03-2020	N	1288.95	*5.98*	1021	9.3	2.4	*280*	7.1		48	0.91							<0.05			*0.051*			
B-304UR	12-15-2020	N	1289.59	*6.35*	792	7.7	0.84	130	5.7		13	0.5							<0.05			0.024			
B-304UR	01-13-2021	N	1291.36	7.13	258	8.6	<0.1	20	1.4		<10	<0.5							<0.05			<0.005			
B-304UR	02-15-2021	N	1291.42	6.7	223	11.2	<0.1	18	1.1		<10	<0.5							<0.05			0.013			
B-304UR	03-17-2021	N	1290.36	*6.45*	298	7.6	0.52	83	2.9		<10	<0.5							<0.05			0.018			
B-304UR	04-19-2021	N	1291.69	*6.41*	264	13.5	<0.1	22	2.1		<10	<0.5							<0.05			<0.005			
B-304UR	05-27-2021	N	1292.08	6.66	196	12.8	<0.1	9.1	<0.5		<10	<0.5	<0.001	<0.001	0.023	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-304UR	07-07-2021	N	1290.37	*6.13*	685	17.5	1.5	180	5.1		13	0.53	<0.001	0.0006 U	0.056	<0.001	<0.001	<0.001	0.073		<0.001	0.0098		0.0024	<0.001
B-304UR	09-29-2021	N	1288.26	*6.2*	642	11.7	1.2	170	9.6		22	0.54	<0.001	0.00085	0.076	<0.001	<0.001	<0.001	<0.05		<0.001	0.02		0.0041	<0.001

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-304UR	11-01-2021	N	1287.60	*5.94*	761	11.5	1.4	180	7.2		13	0.59	<0.001	0.00055	0.061	<0.001	<0.001	<0.001	<0.05		<0.001	0.017		0.0026	<0.001
B-304UR	02-22-2022	N	1288.13	6.9	840	10.2	0.99	130	7.3		20	<0.5	<0.001	0.00084	0.054	<0.001	<0.001	<0.001	<0.05		<0.001	0.029		0.0035	<0.001
B-304UR	04-18-2022	N	1291.26	6.71	207	12.5	<0.1	12	0.81		<10	0.76	<0.001	<0.0005	0.012	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-304UR	06-08-2022	N	1291.63	*6.33*	190	15.1	<0.1	13	0.91		<10	<0.5	<0.001	<0.0005	0.012	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.0019	<0.001
B-304UR	07-11-2022	N	1290.36	*6.27*	371	14.1	0.53	80	6.1		<10	<0.5							<0.05			<0.005			
B-304UR	11-02-2022	N	1289.29	6.74	336	12.7	0.1	22	1.9		<10	<0.5	<0.001	<0.0005	0.018	<0.001	<0.001	<0.001	0.097		<0.001	<0.005		0.001	<0.001
B-304UR	04-18-2023	N	1291.45	6.99	184	11.4	<0.1	16	<0.5		<10	<0.5							<0.05			<0.005			
B-304UR	07-11-2023	N	1290.75	6.66	232	15.3	<0.1	17	1.3		<10	<0.5	<0.001	<0.0005	0.013	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.0014	<0.001
B-304UR	11-06-2023	N	1290.52	6.79	346	10.6	<0.1	24	3.1		<10	<0.5							<0.05			<0.005			
B-304UR	04-15-2024	N	1292.24	6.71	198	11.3	<0.1	13	0.96		<10	<0.5							<0.05			<0.005			
B-304UR	07-22-2024	N	1290.94	6.67	347	14.8	<0.1	24	8.7		<10	0.56							<0.05			<0.005			
B-304UR	07-24-2024	N	1290.92																						
B-304DR	04-10-2006	N	1291.43	6.7	391	11.3	<0.1	7.57	<0.02		<15	9.88							0.156			***1.44***			
B-304DR	05-30-2006	N											<0.002	<0.002	0.029	<0.002	<0.002	<0.01			<0.01			<0.02	<0.01
B-304DR	07-10-2006	N	1291.78	6.5	387	11.8	0.108	6.76	<0.02		<15	6.39	<0.002	<0.004	0.08	0.002	<0.002	<0.01	*3.85*		<0.02	***1.76***		<0.02	<0.01
B-304DR	11-06-2006	N	1291.29																						
B-304DR	04-09-2007	N	1291.02																						
B-304DR	07-23-2007	N	1291.41	7	394	14.2	<0.1	6.3	0.066		<15	0.333							0.042			***1.39***			
B-304DR	11-05-2007	N	1289.93	6.5	320	8.2	<0.1	6.8	0.12		<10	0.18		0.002					*16.1*			***1.94***			
B-304DR	04-21-2008	N	1290.30	6.56	406	13	<0.1	7.3	0.06		67	0.25							0.26			***1.7***			
B-304DR	07-21-2008	N	1290.33	*5.9*	310	16.2	<0.1	7.1	0.09		16	1.7							0.21			***1.4***			
B-304DR	11-18-2008	N	1291.10	6.7	310	5	<0.1	6.9	0.12		160	0.16							0.21			***1.4***			
B-304DR	04-06-2009	N	1291.34	*6.25*	240	9.8	<0.1	9	<0.5		20	<0.5							<0.05			***1.4***			
B-304DR	07-13-2009	N	1291.71	6.55	180	14	0.1	8	<0.5		<10	<0.5	<0.001	0.0007	0.047	<0.001	<0.001	<0.001	*0.71*		0.002	***1.6***		0.003	<0.001
B-304DR	11-09-2009	N	1280.83	6.6	150	14.2	<0.1	7	<0.5		<10	<0.5							<0.05			***1.4***			
B-304DR	04-07-2010	N	1291.00	*6.17*	330	16.7	<0.1	10	<0.5		<10	<0.5							<0.05			***1.2***			
B-304DR	07-12-2010	N	1291.54	*6.1*	330	18	<0.1	10	<0.5		<10	<0.5							<0.05			***1.4***			
B-304DR	11-01-2010	N	1291.08	6.5	440	6.9	<0.1	10	<0.5		<10	<0.5							0.28			***1.1***			
B-304DR	01-13-2011	N	1291.45																						
B-304DR	04-18-2011	N	1291.63	*6.16*	180	9.4	<0.1	10	<0.5		<10	<0.5							<0.05			***1***			
B-304DR	07-12-2011	N	1292.35	*6.2*	160	17.9	<0.1	12	0.5		<10	<0.5	<0.001	<0.0005	0.028	<0.001	<0.001	<0.001	<0.05		<0.001	***1.2***		0.003	<0.001
B-304DR	11-01-2011	N	1290.97	6.63	290	9.7	<0.1	10	0.5		<10	<0.5							<0.05			***1.2***			
B-304DR	04-10-2012	N	1290.22	6.5	780	9.5	<0.1	12	0.6		<10	<0.5							0.11			***1.2***			
B-304DR	07-17-2012	N	1290.06	6.7	280	17	<0.1	12	0.6		<10	<0.5							<0.05			***1.1***			
B-304DR	11-07-2012	N	1289.65	6.61	251	9.4	<0.1	12	0.5		<10	<0.5							<0.05			***1***			
B-304DR	04-10-2013	N	1289.72	6.7	370	10.4	<0.1	12	0.6		<10	<0.5							*0.43*			***1.2***			
B-304DR	07-08-2013	N	1290.40	*6.27*	340	18.1	<0.1	12	<0.5		<10	<0.5	<0.001	<0.0005	0.025	<0.001	<0.001	<0.001	<0.05		<0.001	***1.1***		0.002	<0.001
B-304DR	11-07-2013	N	1291.19	6.7	300	10.8	<0.1	14	0.7		<10	<0.5							<0.05			***1.2***			
B-304DR	04-22-2014	N	1290.45	6.53	380	15.4	<0.1	15	0.7		<10	<0.5							<0.05			***1.1***			
B-304DR	04-22-2014	FD					<0.1	16	0.8		<10	<0.5							<0.05			***1.1***			
B-304DR	07-15-2014	N	1291.45	*6.31*	310	19.9	<0.1	17	<0.5		<10	0.5							<0.05			***1.2***			
B-304DR	11-05-2014	N	1290.22	6.53	2580	12.7	<0.1	20	0.6		<10	<0.5							<0.05			***1.2***			
B-304DR	04-14-2015	N	1289.51	6.52	306	14.6	<0.1	21	<0.5		<10	0.6							<0.05			***1.2***			
B-304DR	04-14-2015	FD					<0.1	21	<0.5		<10	0.8							<0.05			***1.1***			
B-304DR	07-20-2015	N	1291.52	6.5	443	19.6	<0.1	19	<0.5		14	1.4	<0.001	0.0009	0.024	<0.001	<0.001	<0.001	<0.05		<0.001	***1.2***		0.003	<0.001
B-304DR	11-10-2015	N	1290.43	6.65	310	14	<0.1	24	1.8		<10	0.5							<0.05			***1.5***			
B-304DR	04-12-2016	N	1291.63	6.58	373	11.5	<0.1	14	0.6		<10	<0.5							<0.05			***1.3***			

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-304DR	04-12-2016	FD					<0.1	15	0.6		<10	0.7							<0.05			***1.2***			
B-304DR	07-12-2016	N	1290.54	6.7	347	16.7	<0.1	24	0.8		<10	<0.5							<0.05			***1.2***			
B-304DR	11-07-2016	N	1288.80	*6.35*	277	13.1	<0.1	21	<0.5		<10	<0.5							<0.05			***1.1***			
B-304DR	04-04-2017	N	1288.72	6.61	326	11.3	<0.1	17	<0.5		<10	<0.5							<0.05			***1.9***			
B-304DR	04-04-2017	FD		6.61	326	11.3	<0.1	17	<0.5		<10	<0.5							<0.05			***1.9***			
B-304DR	07-25-2017	N	1291.09	6.86	167	15.3	<0.1	18	<0.5		<10	0.52	<0.001	<0.0005	0.025	<0.001	<0.001	<0.001	<0.05		<0.001	***1.8***		<0.001	<0.001
B-304DR	11-07-2017	N	1289.56	6.69	299	11	<0.1	24	<0.5		<10	<0.5							0.1			***2.2***			
B-304DR	04-23-2018	N	1290.35	*6.44*	287	15.9	<0.1	24	<0.5		<10	<0.5							0.18			***2.2***			
B-304DR	07-11-2018	N	1290.88	*5.84*	302	17.7	<0.1	25	0.71		<10	<0.5							<0.05			***1.7***			
B-304DR	11-05-2018	N	1288.83	7.04	262	11.4	<0.1	21	<0.5		<10	<0.5							<0.05			***2.3***			
B-304DR	04-23-2019	N	1289.99	6.51	277	11.4	<0.1	25	<0.5		<10	1.3							0.11			***2.5***			
B-304DR	04-23-2019	FD					<0.1	25	<0.5		<10	<0.5							0.13			***2.5***			
B-304DR	07-08-2019	N	1291.57	*6.41*	309	14.6	<0.1	22	0.82		<10	<0.5	<0.001	<0.0005	0.024	<0.001	<0.001	<0.001	<0.05		<0.001	***2.2***		0.0016	<0.001
B-304DR	11-04-2019	N	1289.44	*6.38*	405	11.5	0.24	52	<0.5		<10	<0.5							<0.05			***2.7***			
B-304DR	11-22-2019	N	1289.62	6.75	391	12.4	0.28	54																	
B-304DR	04-21-2020	N	1291.70	*6.42*	424	12.7	0.33	60	<0.5		<10	<0.5							0.068			***3.2***			
B-304DR	04-21-2020	FD					0.36	57	<0.5		<10	<0.5							0.14			***3.1***			
B-304DR	07-13-2020	N	1290.76	*6.45*	510	16	0.65	100	0.69		<10	<0.5							<0.05			***4.6***			
B-304DR	09-28-2020	N	1289.04	6.7	563	15.3	0.52	86																	
B-304DR	11-03-2020	N	1288.95	*6.49*	477	10.2	0.45	68	0.82		<10	<0.5							<0.05			***2.9***			
B-304DR	12-15-2020	N	1289.59	6.75	522	7.1	0.4	61	0.92		<10	<0.5							<0.05			***2.9***			
B-304DR	01-13-2021	N	1290.64	6.99	478	9.1	0.35	55	0.91		<10	<0.5							0.11			***3.1***			
B-304DR	02-15-2021	N	1290.74	6.9	388	10	0.23	42	1.1		10	<0.5							<0.05			***2.3***			
B-304DR	03-17-2021	N	1290.08	6.93	410	9.1	0.31	58	1.4		<10	<0.5							<0.05			***3.4***			
B-304DR	04-19-2021	N	1290.86	6.63	411	12.6	0.2	40	1.3		<10	<0.5							<0.05			***2.8***			
B-304DR	04-19-2021	FD					0.19	40	1.3		<10	<0.5							<0.05			***2.8***			
B-304DR	05-27-2021	N	1291.22	6.61	363	13	0.16	30	1.7		<10	<0.5	<0.001	<0.001	0.039	<0.001	<0.001	<0.001	<0.05		<0.001	***2.5***		0.0023	<0.001
B-304DR	07-07-2021	N	1290.16	*6.34*	538	15.7	0.4	67	2.5		<10	<0.5	<0.001	<0.0005	0.043	<0.001	<0.001	<0.001	<0.05		<0.001	***3.5***		0.0031	<0.001
B-304DR	09-29-2021	N	1288.92	6.54	446	12.6	0.28	53	1.4		<10	<0.5	<0.001	<0.0005	0.04	<0.001	<0.001	<0.001	<0.05		<0.001	***2.7***		0.0027	<0.001
B-304DR	11-01-2021	N	1288.57	*6.49*	325	14.6	0.19	43	1		<10	<0.5	<0.001	<0.0005	0.034	<0.001	<0.001	<0.001	<0.05		<0.001	***2.7***		0.013	<0.001
B-304DR	02-22-2022	N	1288.73	6.5	336	14.9	0.11	37	1.2		<10	<0.5	<0.001	<0.0005	0.032	<0.001	<0.001	<0.001	<0.05		<0.001	***2.6***		0.011	<0.001
B-304DR	04-18-2022	N	1290.48	*6.43*	386	14.6	0.14	37	1.1		<10	0.62	<0.001	<0.0005	0.034	<0.001	<0.001	<0.001	<0.05		<0.001	***2.9***		0.0097	<0.001
B-304DR	04-18-2022	FD					0.12	37	1.1		<10	1.3							<0.05			***2.9***			
B-304DR	06-08-2022	N	1290.95	*6.21*	393	17.5	0.12	32	2.2		<10	<0.5	<0.001	<0.0005	0.036	<0.001	<0.001	<0.001	0.16		<0.001	***2.3***		0.01	<0.001
B-304DR	07-11-2022	N	1290.26	*6.27*	472	15.5	0.17	45	2.7		<10	<0.5							<0.05			***2.7***			
B-304DR	11-02-2022	N	1289.30	*6.44*	328	15.3	0.11	37	1.2		<10	<0.5	<0.001	<0.0005	0.035	<0.001	<0.001	<0.001	<0.05		<0.001	***2.4***		0.01	<0.001
B-304DR	11-02-2022	FD					0.11	37	1.2		<10	<0.5							<0.05			***2.3***			
B-304DR	04-18-2023	N	1290.98	6.7	344	13.3	0.14	36	1.6		<10	<0.5							<0.05			***2.2***			
B-304DR	04-18-2023	FD					0.14	37	1.6		<10	<0.5							<0.05			***2.3***			
B-304DR	07-11-2023	N	1290.63	*6.36*	331	17.2	0.11	32	1		<10	<0.5	<0.001	<0.0005	0.026	<0.001	<0.001	<0.001	<0.05		<0.001	***1.9***		0.014	<0.001
B-304DR	11-06-2023	N	1290.72	*6.44*	302	13.7	<0.1	30	0.7		<10	<0.5							<0.05			***1.7***			
B-304DR	11-06-2023	FD					<0.1	30	0.61		<10	<0.5							<0.05			***1.8***			
B-304DR	12-15-2023	N	1290.57	6.7	298	12.8																			
B-304DR	04-15-2024	N	1292.15	6.76	253	13.3	<0.1	20	<0.5		<10	<0.5							<0.05			***1.8***			
B-304DR	04-15-2024	FD					<0.1	20	<0.5		<10	<0.5							<0.05			***1.8***			
B-304DR	07-22-2024	N	1291.52	*6.48*	231	15.6	<0.1	18	<0.5		<10	<0.5							0.051			***1.7***			
B-304DR	07-24-2024	N	1291.50																						

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
MW-604	06-12-1995	N	1291.63																						
MW-604	07-09-1996	N	1281.24	*11.6*	1000	13.6	<0.1	7	<0.5		39	2							0.07			<0.005			
MW-604	07-07-1997	N	1280.79	*11*	490	15.3	<0.1	12	0.1		<20	0.35							<0.03			<0.02			
MW-604	07-13-1998	N	1280.80	*11*	250	10.7	<0.5	4	0.1		27	0.49							<0.05			<0.02			
MW-604	07-27-1999	N	1280.10	*10.7*	276	16	<0.1	3	0.1		23	4.3							0.04			<0.02			
MW-604	07-17-2000	N	1281.45	*9.7*	202	14.2	<0.1	1.83	0.31		18	0.233							0.188			<0.005			
MW-604	07-09-2001	N	1274.05	*9.9*	210	13.7	<0.1	3.28	0.147		<15	0.364		**0.006**	0.028		<0.003	<0.01	0.092		<0.002	0.008			
MW-604	07-15-2002	N	1279.93	7.1	214	14.4	<0.1	3.12	0.212		<15	0.486	<0.002	0.005	0.042	<0.002	<0.003	<0.01	*0.478*		<0.002	0.018		<0.02	<0.01
MW-604	07-14-2003	N	1278.08	7	203	12.4	<0.1	3.25	0.215		<15	1.58							<0.01			<0.005			
MW-604	07-06-2004	N	1279.85	*9.2*	167	16.2	<0.1	<2.5	0.301		584	34.4							0.154			0.015			
MW-604	07-11-2005	N	1279.86	6.5	156	12	<0.1	<2.5	0.281		87	3.5													
MW-604	11-01-2005	N	1273.10	8.3	135	8													*0.922*			0.032			
MW-604	04-10-2006	N	1279.71																						
MW-604	07-10-2006	N	1280.62	*10.2*	210	15.8	<0.1	3.32	0.339		<15	1.55							0.013			<0.005			
MW-604	07-23-2007	N	1279.83	*9.9*	244	17.2	<0.1	3.68	0.031		20	2.07							0.237			<0.02			
MW-604	11-05-2007	N	1279.49																						
MW-604	04-21-2008	N	1279.73																						
MW-604	07-21-2008	N	1281.04	*9.6*	230	15.4	<0.1	<2.5	0.17		75	7.5							*12*			*0.2*			
MW-604	07-13-2009	N	1280.69	7.83	270	14.9	0.1	9	<0.5		220	1.1							0.2			0.03			
MW-604	07-13-2009	FD					0.1	9	<0.5		60	0.7							*0.53*			0.046			
MW-604	11-10-2009	N	1280.17																						
MW-604	07-12-2010	N	1280.46	7.83	250	17.7	0.2	7	<0.5		24	0.8							<0.05			0.049			
MW-604	11-03-2010	N	1280.56																						
MW-604	07-12-2011	N	1281.13	8	210	19	0.1	13	<0.5		32	1.6	<0.001	0.0036	0.046	<0.001	<0.001	<0.001	0.05		<0.001	*0.13*		0.002	<0.001
MW-604	07-17-2012	FD					<0.1	13	<0.5		<10	0.6							*0.68*			*0.19*			
MW-604	07-17-2012	N	1279.48	7.8	290	20.5	<0.1	15	<0.5		24	0.7							*0.57*			*0.19*			
MW-604	07-08-2013	N	1279.65	7.34	340	17.7	<0.1	14	<0.5		24	1.8							0.25			0.041			
MW-604	04-23-2014	N	1279.94																						
MW-604	07-15-2014	N	1280.09	7.3	290	21	<0.1	20	<0.5		46	1.3							<0.05			*0.23*			
MW-604	04-14-2015	N	1279.42																						
MW-604	07-21-2015	N	1279.90	7.29	292	15.2	<0.1	18	<0.5		<10	<0.5							<0.05			*0.074*			
MW-604	04-12-2016	N	1279.72																						
MW-604	07-12-2016	N	1279.47	7.33	286	14.7	<0.1	15	0.6		<10	<0.5							<0.05			0.008			
MW-604	11-07-2016	N	1278.95																						
MW-604	04-03-2017	N	1278.73																						
MW-604	07-25-2017	N	1279.66	7.37	264	14	<0.1	15	0.7		<10	0.6							0.06			0.013			
MW-604	11-07-2017	N	1279.24																						
MW-604	04-24-2018	N	1279.54																						
MW-604	07-11-2018	N	1279.35	*6.32*	289	14.8	<0.1	14	<0.5		10	<0.5							*0.82*			*0.2*			
MW-604	07-11-2018	FD					<0.1	14	<0.5		12	<0.5							*0.77*			*0.22*			
MW-604	11-05-2018	N	1278.88																						
MW-604	04-23-2019	N	1279.33																						
MW-604	07-09-2019	N	1279.82	6.96	255	13.2	<0.1	21	<0.5		<10	<0.5							<0.05			<0.005			
MW-604	11-06-2019	N	1279.12																						
MW-604	04-21-2020	N	1279.69																						
MW-604	07-13-2020	N	1279.43	6.91	240	14.8	<0.1	26	<0.5		14	<0.5							<0.05			0.0086			
MW-604	11-03-2020	N	1279.38																						
MW-604	04-19-2021	N	1279.10																						

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Volatile Organic Compounds																																Semi-Volatile Organic Compounds																					
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			Acetone	Benzene	Bromomethane	Butanone (2-) (MEK)	Chlorobenzene (Monochlorobenzene)	Chloroethane	Chloroform (Trichloromethane)	Chloromethane	Dichlorobenzene (1,4-)	Dichlorodifluoromethane (CFC12)	Dichloroethane (1,1-)	Dichloroethene (1,1-)	Dichloroethene (cis-1,2-)	Diethyl Ether (Ethyl Ether)	Dioxane (1,4-)	Ethylbenzene	Hexanone (2-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Methyl-tert Butyl Ether (MTBE)	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethane (1,1,1-)	Trichloroethene (TCE)	Trichlorofluoromethane (CFC11)	Vinyl chloride	Xylene (m,p-)	Xylene (o-)	Xylenes (total)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic acid	bis(2-Ethylhexyl)phthalate (Di(ethylhexyl)phthalate)	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Methylphenol (3,4-)	Naphthalene	Phenanthrene	Pyrene
	Fraction		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	GW-1 (AGQS)		6000	5	10	4000	100		70	30	75	1000	81	7	70	1400	0.32	700		2000	5	13	5	600	1000	200	5	2000	2	10000	10000	10000	420	420	2100	0.1	0.2	0.1	210	0.5	28000	6	5	0.1	280	280	0.1	40	100	210	210
	SMCL																																																					
MW-604	06-12-1995	N																																																			
MW-604	07-09-1996	N											<2																																								
MW-604	07-07-1997	N											<1																																							
MW-604	07-13-1998	N											<1																																							
MW-604	07-27-1999	N											<1																																							
MW-604	07-17-2000	N											<1																																							
MW-604	07-09-2001	N											1.3																																							
MW-604	07-15-2002	N																																																		
MW-604	07-14-2003	N											<1																																							
MW-604	07-06-2004	N											<1																																							
MW-604	07-11-2005	N											<1																																							
MW-604	11-01-2005	N																																																		
MW-604	04-10-2006	N																																																		
MW-604	07-10-2006	N											<1																																							
MW-604	07-23-2007	N											<1																																							
MW-604	11-05-2007	N																																																		
MW-604	04-21-2008	N																																																		
MW-604	07-21-2008	N											<1																																							
MW-604	07-13-2009	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<1	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																					
MW-604	07-13-2009	FD	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<1	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																					
MW-604	11-10-2009	N																																																	
MW-604	07-12-2010	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<1	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																					
MW-604	11-03-2010	N																																																
MW-604	07-12-2011	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<1	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																					
MW-604	07-17-2012	FD	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<0.25	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																					
MW-604	07-17-2012	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<0.25	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																					
MW-604	07-08-2013	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<0.25	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																					
MW-604	04-23-2014	N																																																
MW-604	07-15-2014	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<0.25	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																					
MW-604	04-14-2015	N																																															
MW-604	07-21-2015	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<0.25	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																					
MW-604	04-12-2016	N																																															
MW-604	07-12-2016	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<0.25	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																					
MW-604	11-07-2016	N																																															
MW-604	04-03-2017	N																																															
MW-604	07-25-2017	N	<10	<1	<2	<10	<1	<5	<1	<2	<1	<5	<1	<1	<1	<5	<0.25	<1	<10	<10	<5	<1	<1	<10	<1	<1	<1	<5	<2	<1	<1																					
MW-604	11-07-2017	N																																															
MW-604	04-24-2018	N																																															
MW-604	07-11-2018	N	<10	<1	<2	<10	<1	<5	<1	<2	<1	<5	<1	<1	<1	<5	<0.25	<1	<10	<10	<5	<1	<1	<10	<1	<1	<1	<5	<2	<1	<1																					
MW-604	07-11-2018	FD	<10	<1	<2	<10	<1	<5	<1	<2	<1	<5	<1	<1	<1	<5	<0.25	<1	<10	<10	<5	<1	<1	<10	<1	<1	<1	<5	<2	<1	<1																					
MW-604	11-05-2018	N																																															
MW-604	04-23-2019	N																																															
MW-604	07-09-2019	N	<10	<1	<2	<10	<1	<5	<1	<2	<1	<5	<1	<1	<1	<5	<0.25	<1	<10	<10	<5	<1	<1	<10	<1	<1	<1	<5	<2	<1	<1																					
MW-604	11-06-2019	N																																															
MW-604	04-21-2020	N																																															
MW-604	07-13-2020	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																					
MW-604	11-03-2020	N																																															
MW-604	04-19-2021	N																																															

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
MW-604	05-27-2021	N	1279.18	7.03	274	13.4	<0.1	32	<0.5		<10	<0.5	<0.001	<0.001	0.073	<0.001	<0.001	<0.001	<0.05		<0.001	0.011		<0.001	<0.001
MW-604	07-07-2021	N	1278.86	7.21	308	15.2	<0.1	39	<0.5		<10	<0.5	<0.001	0.00064 U	0.091	<0.001	<0.001	<0.001	<0.05		<0.001	0.013		<0.001	<0.001
MW-604	09-29-2021	N	1278.34	6.89	341	12.6	<0.1	50	<0.5		<10	0.87	<0.001	0.00065	0.13	<0.001	<0.001	0.0013	*0.71*		0.0024	*0.12*		0.0013	<0.001
MW-604	11-01-2021	N	1278.22	7.09	298	10.7	<0.1	36	<0.5		<10	<0.5	<0.001	<0.0005	0.09	<0.001	<0.001	<0.001	0.078		<0.001	0.0067		<0.001	<0.001
MW-604	02-22-2022	N	1278.12	7.2	287	10.1	<0.1	32	<0.5		<10	<0.5	<0.001	<0.0005	0.081	<0.001	<0.001	<0.001	<0.05		<0.001	0.0094		<0.001	<0.001
MW-604	04-18-2022	N	1278.58	6.97	171	11.6	<0.1	35	<0.5		<10	1.2	<0.001	<0.0005	0.081	<0.001	<0.001	0.0012	<0.05		0.0018	0.0077		0.0013	<0.001
MW-604	06-08-2022	N	1278.82	6.95	330	14.5	<0.1	40	<0.5		<10	0.55	<0.001	0.00059	0.093	<0.001	<0.001	<0.001	<0.05		<0.001	0.015		0.002	<0.001
MW-604	07-11-2022	N	1278.53	7.11	339	14.3	<0.1	26	<0.5		<10	<0.5							*0.37*			0.025			
MW-604	11-02-2022	N	1278.12	7.18	298	12.9	<0.1	25	<0.5		<10	<0.5	<0.001	0.00061	0.091	<0.001	<0.001	<0.001	<0.05		<0.001	*0.052*		<0.001	<0.001
MW-604	04-18-2023	N	1278.11																						
MW-604	07-11-2023	N	1279.59	7.02	256	15.3	<0.1	11	<0.5		<10	<0.5	<0.001	<0.0005	0.057	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.0014	<0.001
MW-604	11-06-2023	N	1279.44	6.92	236	12.3																			
MW-604	12-15-2023	N	1279.53	7.39	236	10.2																			
MW-604	04-15-2024	N	1280.17	7.08	190	12.1																			
MW-604	07-22-2024	N	1280.02	6.88	207	16.8	<0.1	8.9	<0.5	14	<10	<0.5							<0.05			<0.005			
MW-604	07-24-2024	N	1280.00																						
MW-701	04-07-1997	N	1316.82	*5.8*	290	9.4	0.2	21	0.7		<20	0.38							0.18			***0.5***			
MW-701	06-11-1997	N	1318.07	*6.3*	250	11	0.2	19	0.3		<20	0.18							<0.03			***0.98***			
MW-701	07-07-1997	N	1317.94	*5.8*	293	19	0.2	21	<0.1		<20	0.28		<0.005	<0.2		<0.0002	<0.002	0.08		<0.003	***0.86***			<0.02
MW-701	11-11-1997	N	1315.61	*5.8*	270	3.4																			
MW-701	04-13-1998	N	1318.96	*5.8*	191	8.9	0.79	11	2		<20	0.45							<0.05			***0.34***			
MW-701	07-13-1998	N	1319.02	6.6	150	15.4	<0.5	6	1.4		<20	1		<0.005	<0.1	<0.005	<0.0002	<0.002	<0.05		<0.003	*0.24*		<0.02	<0.02
MW-701	11-16-1998	N	1316.22	*6.3*	230	10.4	<0.5	6	<0.1		27	1							0.04			*0.19*			
MW-701	04-05-1999	N	1318.92	*5.7*	110	11.6	<0.1	3	0.4		<20	0.32							<0.03			*0.14*			
MW-701	07-27-1999	N	1315.86	*6.1*	153	16	<0.1	10	<0.1		<20	0.27							0.05			*0.15*			
MW-701	11-17-1999	N	1317.83	*6.1*	166	5.6	<0.1	6.7	1.85		<15	<0.04							<0.01			*0.192*			
MW-701	04-10-2000	N	1320.82	*5.6*	81	5.1	<0.1	5.29	1.29		<15	0.279							<0.01			*0.181*			
MW-701	07-17-2000	N	1317.62	*5.9*	140	16.4	<0.1	16.9	0.519		<15	0.115	<0.002	<0.005	<0.01	<0.002	<0.003	<0.01	0.011		<0.002	***0.318***		<0.02	<0.01
MW-701	11-13-2000	N	1316.14	*6.2*	125	8.6	<0.1	26.5	0.025		<15	0.124							0.022			***0.64***			
MW-701	04-02-2001	N	1315.48	*5.9*	195	8	<0.1	19.2	0.096		<15	0.173							0.021			***0.408***			
MW-701	07-09-2001	N	1315.75	*6.2*	153	16.4	<0.1	9.95	0.304		<15	0.302							0.016			***0.506***			
MW-701	11-05-2001	N	1312.63	*6.4*	198	7	<0.1	18.3	<0.02		<15	0.526							*0.594*			*0.105*			
MW-701	04-15-2002	N	1319.73	*5.8*	94	8.9	<0.1	5.57	0.802		<15	0.299							<0.01			*0.193*			
MW-701	07-15-2002	N	1317.98	*5.8*	184	14	<0.1	20.4	1.47		<15	0.586	<0.002	<0.002	<0.02	<0.002	<0.003	<0.01	<0.01		<0.002	*0.128*		<0.02	<0.01
MW-701	11-18-2002	N	1315.86	*6.1*	183	4	<0.1	10.4	0.37		<15	1.04							0.021			*0.077*			
MW-701	04-07-2003	N	1316.88	*6*	158	4.4	<0.1	11.2	0.108		<15	0.256							0.068			*0.076*			
MW-701	07-14-2003	N	1315.65	*6*	162	17.6	<0.1	17.2	0.137		<15	0.297	<0.002	<0.002	<0.02	<0.002	<0.003	<0.01	<0.01		<0.002	*0.057*		<0.02	<0.01
MW-701	11-03-2003	N	1318.53	*6*	130	12.2	<0.1	22.8	0.169		<15	0.158							0.011			*0.074*			
MW-701	04-05-2004	N	1318.69	*5.6*	324	4.1	<0.1	10.6	0.107		<15	0.174							<0.01			0.046			
MW-701	07-06-2004	N	1317.05	*5.5*	185	11.2	<0.1	8.92	0.147		<15	0.519							<0.01			0.045			
MW-701	11-08-2004	N	1316.01	6.6	190	9.6	<0.1	12.9	0.154		<15	0.741							0.148			*0.056*			
MW-701	04-11-2005	N	1317.87	7	186	7.5	<0.1	11.7	0.063		<15	0.068							0.013			*0.134*			
MW-701	07-11-2005	N	1317.02	*5.7*	190	11.8	<0.1	40.2	0.09		<15	0.176	<0.002	<0.002	<0.02	<0.002	<0.003	<0.01	<0.01		<0.001	*0.22*		<0.02	<0.01
MW-701	11-01-2005	N	1319.71	*4.9*	151	10.9	<0.1	29.4	0.054		<15	0.199							<0.01			*0.19*			
MW-701	04-10-2006	N	1319.23	*5.7*	90	8.2	<0.1	11.3	0.087		<15	0.1							<0.01			*0.148*			
MW-701	07-10-2006	N	1319.66	*5.2*	100	15.6	<0.1	7.34	0.036		<15	0.268							<0.01			*0.109*			
MW-701	11-06-2006	N	1319.03	*5.5*	130	9.5	<0.1	8.06	<0.02		<15	0.136							<0.02			*0.129*			

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

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Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
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Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
MW-701	04-09-2007	N	1319.16	*5.9*	210	6.4	<0.1	9.68	0.142		<15	0.099							<0.02			*0.123*			
MW-701	07-23-2007	N	1317.99	*5.2*	170	16	<0.1	35.4	0.065		<15	0.154	<0.002	<0.002	<0.02	<0.002	<0.002	<0.02	<0.02		<0.001	*0.27*		<0.02	<0.02
MW-701	11-05-2007	N	1315.74	*5.9*	210	9	<0.1	34	0.36		<10	0.46		<0.002					<0.02			*0.274*			
MW-701	04-21-2008	N	1319.19	*5.8*	73	11.6	<0.1	5.6	0.11		<10	0.26							<0.02			0.045			
MW-701	07-21-2008	N	1317.60	*5.9*	150	11.4	<0.1	13	0.08		<10	0.4							<0.02			0.047			
MW-701	11-18-2008	N	1318.58	*5.8*	110	6.5	<0.1	12	<0.02		<10	0.32							<0.02			*0.062*			
MW-701	04-06-2009	N	1320.19	*5.6*	100	5.6	<0.1	9	<0.5		<10	<0.5							<0.05			*0.055*			
MW-701	07-13-2009	N	1319.96	*5.24*	80	10.1	<0.1	10	<0.5		<10	<0.5	<0.001	<0.0005	0.007	<0.001	<0.001	<0.001	<0.05		<0.001	0.032		<0.001	<0.001
MW-701	11-09-2009	N	1317.65	*5.4*	210	10.4	<0.1	40	<0.5		<10	<0.5							<0.05			*0.13*			
MW-701	04-07-2010	N	1320.08	*4.72*	180	7.8	<0.1	13	<0.5		<10	<0.5							<0.05			0.043			
MW-701	07-12-2010	N	1318.40	*5.3*	180	16.4	<0.1	16	0.7		14	<0.5							0.11			*0.15*			
MW-701	11-01-2010	N	1319.27	*5.7*	177	6.4	<0.1	30	<0.5		<10	<0.5							<0.05			*0.13*			
MW-701	01-13-2011	N	1321.47																						
MW-701	04-18-2011	N	1320.51	*5.4*	90	5.8	<0.1	12	<0.5		<10	<0.5							<0.05			0.037			
MW-701	07-12-2011	N	1317.46	*5.3*	140	12.5	<0.1	19	<0.5		<10	<0.5	<0.001	<0.0005	0.01	<0.001	<0.001	<0.001	<0.05		<0.001	*0.064*		0.002	<0.001
MW-701	11-01-2011	N	1317.20	*5.75*	220	9.9	<0.1	44	<0.5		<10	<0.5							<0.05			*0.22*			
MW-701	04-10-2012	N	1315.64	*5.8*	170	6.8	0.1	21	1.6		<10	0.5							<0.05			*0.083*			
MW-701	07-16-2012	N	1316.21	6.5	230	15.2	<0.1	48	0.9		<10	<0.5							<0.05			*0.12*			
MW-701	11-06-2012	N	1316.38	*6.3*	200	7.7	<0.1	28	<0.5		<10	<0.5							*0.33*			*0.16*			
MW-701	04-09-2013	N	1315.33	*6.1*	1140	7.6	<0.1	21	<0.5		<10	<0.5							0.1			*0.095*			
MW-701	07-08-2013	N	1316.63	*5.88*	230	12.8	<0.1	25	<0.5		<10	<0.5	<0.001	<0.0005	0.014	<0.001	<0.001	<0.001	<0.05		<0.001	*0.14*		0.014	<0.001
MW-701	11-06-2013	N	1315.50	*5.87*	213	10.2	<0.1	26	<0.5		<10	<0.5							<0.05			*0.11*			
MW-701	04-23-2014	N	1315.28	*6.36*	250	6.4	<0.1	20	0.8		<10	<0.5							<0.05			0.05			
MW-701	07-14-2014	N	1315.72	*5.65*	520	17.9	<0.1	22	<0.5		<10	<0.5							<0.05			*0.085*			
MW-701	11-04-2014	N	1314.40	*5.8*	280	9.6	<0.1	28	1.3		<10	<0.5							<0.05			0.037			
MW-701	04-14-2015	N	1313.78	*6.2*	269	8.9	<0.1	33	1.5		<10	<0.5							<0.05			0.042			
MW-701	07-20-2015	N	1316.00	*5.97*	243	14.5	<0.1	37	0.6		<10	<0.5	<0.001	0.0007	0.013	<0.001	<0.001	<0.001	<0.05		<0.001	*0.066*		<0.001	<0.001
MW-701	11-09-2015	N	1315.15	*5.8*	459	12.3	<0.1	41	<0.5		<10	<0.5							<0.05			*0.093*			
MW-701	04-12-2016	N	1318.20	*5.95*	264	4.7	<0.1	52	<0.5		<10	<0.5							<0.05			0.038			
MW-701	07-13-2016	N	1318.11	*5.53*	363	15.2	<0.1	35	<0.5		<10	<0.5							<0.05			0.035			
MW-701	11-08-2016	N	1316.35	*5.96*	184	8.4	<0.1	11	<0.5		<10	<0.5							<0.05			*0.061*			
MW-701	04-03-2017	N	1315.98	*6.28*	267	7.7	<0.1	63	<0.5		<10	<0.5							<0.05			*0.27*			
MW-701	07-24-2017	N	1318.09	*5.63*	182	9.8	<0.1	24	0.5		10	<0.5	<0.001	<0.0005	0.021	<0.001	<0.001	<0.001	<0.05		<0.001	***0.36***		<0.001	<0.001
MW-701	11-07-2017	N	1318.90	*5.78*	147	8.7	<0.1	11	<0.5		<10	<0.5							<0.05			***0.46***			
MW-701	04-23-2018	N	1319.25	*5.9*	223	10.1	<0.1	37	<0.5		<10	<0.5							<0.05			***1.2***			
MW-701	07-10-2018	N	1319.16	*6.08*	202	16.3	<0.1	23	<0.5		<10	<0.5							<0.05			***0.96***			
MW-701	11-06-2018	N	1318.35	*6.42*	115	11.4	<0.1	8.2	<0.5		<10	<0.5							<0.05			*0.078*			
MW-701	04-23-2019	N	1318.53	*6.37*	114	9.1	<0.1	39	<0.5		<10	<0.5							<0.05			***0.64***			
MW-701	07-09-2019	N	1318.65	6.76	240	9.5	<0.1	24	<0.5		<10	<0.5	<0.001	<0.0005	0.02	<0.001	<0.001	<0.001	<0.05		<0.001	***0.89***		<0.001	<0.001
MW-701	11-04-2019	N	1317.55	*6.46*	259	10.5	<0.1	15	<0.5	24	17	<0.5							<0.05			*0.16*			
MW-701	01-07-2020	N	1316.28	7.28	402	7	<0.1	14	<0.5	34	<10	<0.5							0.11			***0.59***			
MW-701	04-20-2020	N	1317.18	6.57	350	7.1	<0.1	33	2.5	52	14	<0.5							0.1			***0.65***			
MW-701	07-15-2020	N	1318.26	6.83	256	10.7	<0.1	16	2.1	38	16	<0.5							<0.05			*0.18*			
MW-701	11-02-2020	N	1317.55	6.86	206	7.2	<0.1	6.5	2.8	32	<10	<0.5							<0.05			*0.14*			
MW-701	01-13-2021	N	1317.18	6.52	308	6.7	<0.1	10	0.64	32	<10	<0.5							<0.05			*0.15*			
MW-701	04-19-2021	N	1317.08	7.25	279	7.7	<0.1	22	<0.5	54	<10	<0.5							<0.05			***0.32***			
MW-701	07-06-2021	N	1317.15	6.85	386	11.5	<0.1	22	<0.5	48	<10	<0.5	<0.001	<0.0005	0.0095	<0.001	<0.001	<0.001	<0.05		<0.001	***0.41***		<0.001	<0.001
MW-701	11-01-2021	N	1316.54	6.95	188	10.7	<0.1	11	<0.5	31	<10	<0.5							<0.05			***0.55***			

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Bethlehem, New Hampshire
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| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

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Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
MW-701	01-06-2022	N	1316.01	7.56	211	7.2	<0.1	9.9	<0.5	31	<10	0.75							<0.05			***0.74***			
MW-701	04-18-2022	N	1316.66	6.53	174	7.8	<0.1	14	0.5	20	<10	<0.5							<0.05			*0.26*			
MW-701	07-12-2022	N	1315.47	6.57	168	11.5	<0.1	9.8	<0.5	22	<10	<0.5							<0.05			***0.44***			
MW-701	11-02-2022	N	1315.15	6.68	228	11.1	<0.1	8.5	0.52	18	<10	0.71							<0.05			***1.2***			
MW-701	01-04-2023	N	1315.82	6.7	230	7.5	<0.1	7	0.97	21	<10	<0.5							<0.05			***1.2***			
MW-701	04-19-2023	N	1315.87	*6.47*	238	6.4	<0.1	5	2	17	<10	0.53							<0.05			***1.3***			
MW-701	07-12-2023	N	1317.77	6.51	222	13.8	<0.1	10	2	21	<10	0.5	<0.001	<0.0005	0.01	<0.001	<0.001	<0.001	<0.05		<0.001	***0.4***		0.0012	<0.001
MW-701	11-06-2023	N	1317.67	*6.46*	202	9.5	<0.1	8.1	1.7	18	<10	<0.5							<0.05			*0.22*			
MW-701	01-02-2024	N	1318.47	6.5	248	7.4	<0.1	6.6	1.8	25	<10	<0.5							<0.05			*0.13*			
MW-701	04-16-2024	N	1319.02	6.6	146	6.2	<0.1	6.1	1.3	23	<10	<0.5							<0.05			*0.11*			
MW-701	07-23-2024	N	1317.55	6.5	184	10.4	<0.1	5.7	<0.5	18	<10	<0.5							<0.05			***0.31***			
MW-802	11-16-1998	N	1305.05	*6*	340	8	<0.5	12	<0.1		30	3.32							*32*			***3***			
MW-802	04-05-1999	N	1305.32	6.8	480	9.5	0.1	16	<0.1		29	3.5							*58*			***5.2***			
MW-802	07-27-1999	N	1304.90	6.7	413	11	<0.1	15	<0.1		33	2.3		**0.02**	<0.2		<0.0005	<0.005	*57*		<0.003	***5.5***			0.08
MW-802	11-17-1999	N	1299.93	6.8	556	2.4	<0.4	10.6	0.362		23	1.51		**0.022**	0.074		<0.003	<0.01	*61*		<0.002	***6.22***			<0.01
MW-802	07-17-2000	N	1306.05	*6.4*	494	9.6	0.223	8.68	0.268		36	1.23	<0.002	**0.031**	0.089	<0.002	<0.003	<0.01	*24.5*		<0.002	***9.92***		<0.02	<0.01
MW-802	11-13-2000	N		6.5	502	9.2	0.247	4.47	<0.02		15	2.95							*55.4*			***7.01***			
MW-802	04-02-2001	N	1305.58	*6*	403	4.4	<0.1	4.93	<0.02		<15	2.12							*52*			***8.85***			
MW-802	07-09-2001	N	1304.58	*5.9*	362	12.2	0.137	5.15	<0.02		<15	2							*45*			***8.45***			
MW-802	11-05-2001	N	1303.57	6.6	531	8.6	0.231	14.8	<0.02		<15	1.95							*13.4*			***2.54***			
MW-802	04-15-2002	N	1303.04	*6.3*	673	14.2	0.467	17.7	0.024		31	2.11							*77*			***8.45***			
MW-802	07-15-2002	N	1303.61	*6.13*	476	13.5	0.221	11.6	0.031		<15	2.43	<0.002	**0.033**	0.175	<0.002	<0.003	<0.01	*75*		0.002	***8.15***		<0.02	<0.01
MW-802	11-18-2002	N	1303.39	*6.4*	440	7.6	0.172	8.18	0.033		<15	3.6							*30.6*			***6.46***			
MW-802	04-07-2003	N	1302.81	*6.3*	373	7.6	0.17	9.57	0.038		<15	2.31							*48.5*			***6.65***			
MW-802	07-14-2003	N	1302.99	*6*	427	17.1	0.164	8.77	<0.02		<15	1.92	<0.002	<0.002	0.145	<0.002	<0.003	<0.01	*19.6*		<0.002	***6.1***		<0.02	<0.01
MW-802	11-03-2003	N	1303.16	6.5	360	9.8	0.201	8.12	<0.02		<15	2.32							*55*			***6***			
MW-802	04-05-2004	N	1304.43	*6.4*	366	8.3	<0.1	7.65	0.394		<15	1.77							*42.9*			***6.19***			
MW-802	07-06-2004	N	1288.68	*6.2*	370	17	0.107	7.65	0.359		26	2.29							*41.8*			***6.25***			
MW-802	11-08-2004	N	1291.90	*6.1*	265	9.7	0.121	7.51	0.022		<15	2.44							*41.5*			***6.15***			
MW-802	04-11-2005	N	1304.66	*6.3*	250	11.9	0.143	5.34	0.077		23	2.3							*19*			***3.48***			
MW-802	07-11-2005	N	1304.70	*6.3*	301	17.8	0.864	5.39	0.165		19	3.66	<0.002	**0.026**	0.137	<0.002	<0.003	<0.01	*23.4*		<0.001	***5.65***		<0.02	<0.01
MW-802	11-01-2005	N	1292.09	*5.9*	239	11	0.584	4.63	<0.02		15	3.93							*23.5*			***4.07***			
MW-802	04-10-2006	N	1293.51	*5.8*	256	13	1.38	5.6	<0.02		48	4.45							*20.3*			***4.66***			
MW-802	07-10-2006	N	1306.37	*5.9*	250	18.3	<0.1	6.26	0.115		<15	1.62							*26.9*			***5.12***			
MW-802	11-06-2006	N	1306.14	*5.8*	220	12.1	<0.1	3.69	<0.02		<15	1.61							*29.6*			***4.46***			
MW-802	04-09-2007	N	1306.12	*5.9*	270	9.6	0.336	6.04	0.037		<15	1.74							*32.2*			***5.33***			
MW-802	07-23-2007	N	1306.19	7.4	214	18.4	<0.1	4.73	0.042		<15	0.603	<0.002	**0.027**	0.074	<0.002	<0.002	<0.02	*19.9*		<0.001	***3.73***		<0.02	<0.02
MW-802	11-05-2007	N	1305.60	*6.24*	170	13.9	<0.1	3.6	0.13		<10	1.5		**0.033**					*21.3*			***2.88***			
MW-802	04-21-2008	N	1305.16	*6.1*	450	16.1	0.38	16	0.13		89	2.4		**0.036**					*35*			***5.8***			
MW-802	07-21-2008	N	1305.16	*5.7*	350	18.4	0.18	16	<0.02		<10	1.3							*31*			***4.3***			
MW-802	11-18-2008	N	1306.00	*5.73*	180	10.5	<0.1	4.8	0.02		30	1.5		**0.036**					*18*			***2.6***			
MW-802	04-06-2009	N	1306.41	*5.95*	240	11.4	0.1	9	<0.5		70	1.6		**0.042**					*19*			***2.3***			
MW-802	04-06-2009	FD					0.1	9	<0.5		50	1.7		**0.041**					*19*			***2.3***			
MW-802	07-13-2009	N	1306.58	*5.84*	190	18.2	<0.1	4	<0.5		10	1.7	<0.001	**0.043**	0.071	<0.001	<0.001	<0.001	*18*		<0.001	***2.3***		0.001	<0.001
MW-802	11-09-2009	N	1306.33	*6.1*	70	16.7	<0.1	3	<0.5		<10	1.5		**0.044**					*13*			***2***			
MW-802	04-07-2010	N	1306.23	*5.51*	290	20.2	0.1	8	<0.5		10	1.9		**0.042**					*23*			***3***			
MW-802	04-07-2010	FD					0.1	8	<0.5		20	2		**0.04**					*25*			***3.1***			

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Volatile Organic Compounds																															Semi-Volatile Organic Compounds																					
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			Acetone	Benzene	Bromomethane	Butanone (2-) (MEK)	Chlorobenzene (Monochlorobenzene)	Chloroethane	Chloroform (Trichloromethane)	Chloromethane	Dichlorobenzene (1,4-)	Dichlorodifluoromethane (CFC12)	Dichloroethane (1,1-)	Dichloroethene (1,1-)	Dichloroethene (cis-1,2-)	Diethyl Ether (Ethyl Ether)	Dioxane (1,4-)	Ethylbenzene	Hexanone (2-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Methyl-tert Butyl Ether (MTBE)	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethane (1,1,1-)	Trichloroethene (TCE)	Trichlorofluoromethane (CFC11)	Vinyl chloride	Xylene (m,p-)	Xylene (o-)	Xylenes (total)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic acid	bis(2-Ethylhexyl)phthalate (Di(ethylhexyl)phthalate)	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Methylphenol (3,4-)	Naphthalene	Phenanthrene	Pyrene
		Fraction	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		GW-1 (AGQS)	6000	5	10	4000	100		70	30	75	1000	81	7	70	1400	0.32	700		2000	5	13	5	600	1000	200	5	2000	2	10000	10000	10000	420	420	2100	0.1	0.2	0.1	210	0.5	28000	6	5	0.1	280	280	0.1	40	100	210	210
		SMCL																																																			
MW-701	01-06-2022	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
MW-701	04-18-2022	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
MW-701	07-12-2022	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
MW-701	11-02-2022	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
MW-701	01-04-2023	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
MW-701	04-19-2023	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
MW-701	07-12-2023	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
MW-701	11-06-2023	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
MW-701	01-02-2024	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
MW-701	04-16-2024	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
MW-701	07-23-2024	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
MW-802	11-16-1998	N	<10	<1				<1			<1		<1		<1	<5											<1																										
MW-802	04-05-1999	N	<10	<1				3.3			<1		<1		<1	<5											<1																										
MW-802	07-27-1999	N																																																		
MW-802	11-17-1999	N	<20	<1				<5			<1		<1		<1	<20											<1																										
MW-802	07-17-2000	N																																																	
MW-802	11-13-2000	N	<20	<1				<5			<1		4.9		2	<20											1.2																										
MW-802	04-02-2001	N	39.8	<1				<5			<1		3.1		1.8	<20											<1																										
MW-802	07-09-2001	N	<20	1				<5			<1		4		1.8	<20											<1																										
MW-802	11-05-2001	N	<20	1				<5			<1		4.3		1.6	<20											<1																										
MW-802	04-15-2002	N	<20	<1				<5			<1		4.3		<1	<20											<1																										
MW-802	07-15-2002	N																																																	
MW-802	11-18-2002	N	<20	<1				<5			<1		3.2		1.2	<10											<1																										
MW-802	04-07-2003	N	<25	<1				<5			<1		2.3		<1	<10											<1																										
MW-802	07-14-2003	N																																																	
MW-802	11-03-2003	N	<10	<1				<5			<1		2.1		<1	<5											<1																										
MW-802	04-05-2004	N	<10	<1				<5			<1		5		1	6.8											<1																										
MW-802	07-06-2004	N																																																	
MW-802	11-08-2004	N	<10	1.1				<5			<1		1.9		1.6	<5											<1																										
MW-802	04-11-2005	N	<10	<1				<5			<1		3.8		1.1	<5											<1																										
MW-802	07-11-2005	N																																																	
MW-802	11-01-2005	N	<10	<1				<5			<1		2.2		1.1	<5											<1																										
MW-802	04-10-2006	N	<10	1.4				<5			<1		<2		1.8	5.2											<1																										
MW-802	07-10-2006	N																																																	
MW-802	11-06-2006	N	<10	<1				<5			<1		1.5		1.9	<5											<1																										
MW-802	04-09-2007	N	<10	<1				<5			<1		2.5		2.2	5.2											<1																										
MW-802	07-23-2007	N																																																	
MW-802	11-05-2007	N	<10	<1				<5			<1		<1		<1	<5											<1																										
MW-802	04-21-2008	N	<10	<1				<5			<1		<1		<1	<5											<1																										
MW-802	07-21-2008	N																																																	
MW-802	11-18-2008	N	<10	<1				<5			<1		<1		<1	<5	<2										<1																										
MW-802	04-06-2009	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<1	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																						
MW-802	04-06-2009	FD	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<1	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																						
MW-802	07-13-2009	N																																																	
MW-802	11-09-2009	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<1	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																						
MW-802	04-07-2010	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<1	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																						
MW-802	04-07-2010	FD	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<1	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																						

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
MW-802	07-12-2010	N	1306.49	*5.83*	190	21.4	0.1	5	<0.5		13	1.4							*13*			***2.6***			
MW-802	11-01-2010	N	1306.71	*5.82*	400	11.5	0.1	5	<0.5		<10	1.6		**0.045**					*12*			***2.4***			
MW-802	04-18-2011	N	1307.31	*6.13*	310	13.8	0.1	4	<0.5		<10	1.8		**0.037**					*12*			***2.6***			
MW-802	07-12-2011	N	1307.35	*5.9*	260	20.8	0.2	7	<0.5		22	1.7	<0.001	**0.032**	0.097	<0.001	<0.001	<0.001	*13*		<0.001	***3.9***		0.003	<0.001
MW-802	10-04-2011	N	1306.95	*5.7*	250	16.7	0.2																		
MW-802	11-01-2011	N	1306.65	*5.99*	300	16.8	0.1	7	<0.5		12	2		**0.035**					*19*			***4.1***			
MW-802	12-08-2011	N	1306.22	6.55	290	11.4	0.2																		
MW-802	01-10-2012	N	1306.12	*6.1*	300	14.4	0.2																		
MW-802	02-07-2012	N	1305.88	*6*	240	13.7	0.2																		
MW-802	03-06-2012	N	1305.59	*5.82*	2970	10.5	0.2																		
MW-802	04-10-2012	N	1305.29	*6.1*	890	12.9	0.2	8	<0.5		20	2.6		**0.037**					*16*			***3.6***			
MW-802	05-16-2012	N	1305.33	*5.6*	230	18.8	0.1																		
MW-802	06-12-2012	N	1305.27	*5.8*	180	20.7	<0.1																		
MW-802	07-17-2012	N	1305.08	*6.4*	240	22.6	0.2	9	<0.5		<10	2.2		**0.05**					*15*			***2.8***			
MW-802	08-20-2012	N	1305.11	*6.2*	240	19.8	0.2																		
MW-802	09-14-2012	N	1305.04	*5.83*	640	17.7	0.4																		
MW-802	10-18-2012	N	1304.83	*5.8*	330	17.1	0.4																		
MW-802	11-07-2012	N	1304.76	*6.09*	292	12.5	0.3	9	<0.5		11	1.8		**0.042**					*20*			***3.3***			
MW-802	11-07-2012	FD					0.3	9	<0.5		<10	2		**0.041**					*20*			***3.2***			
MW-802	12-04-2012	N	1304.57	*6.2*	420	14.2	0.3																		
MW-802	01-15-2013	N	1304.54	*6.13*	285	12.9	0.2																		
MW-802	02-12-2013	N	1304.47	*6.2*	200	13.6	0.7																		
MW-802	02-25-2013	N	1304.47	*6.2*	210	15.8	0.1																		
MW-802	03-13-2013	N	1304.46	*6.3*	230	13.7	0.1																		
MW-802	04-10-2013	N	1304.41	*5.9*	240	11.9	0.2	13	<0.5		<10	2.3		**0.041**					*19*			***3.9***			
MW-802	07-08-2013	N	1304.85	*5.93*	400	19.2	0.2	28	<0.5		<10	1.9	<0.001	**0.038**	0.12	<0.001	<0.001	<0.001	*20*		<0.001	***4.2***		0.002	<0.001
MW-802	11-07-2013	N	1305.24	*6.21*	290	15.8	0.2	8	<0.5		14	2.1		**0.039**					*19*			***3.1***			
MW-802	04-23-2014	N	1305.33	*6.01*	370	12.8	0.1	20	<0.5		10	1.4		**0.034**					*14*			***2.6***			
MW-802	07-15-2014	N	1305.34	*5.86*	460	28.5	0.2	24	<0.5		55	2.1							*22*			***4.1***			
MW-802	11-05-2014	N	1304.77	*6.15*	1060	14.8	<0.1	8	<0.5		15	1.9		**0.045**					*17*			***2.7***			
MW-802	04-14-2015	N	1304.20	*5.96*	378	17.4	0.2	47	<0.5		13	1.9		**0.037**					*24*			***3.6***			
MW-802	07-20-2015	N	1304.40	*6.08*	444	23.6	0.2	25	<0.5		55	2.3	<0.001	**0.045**	0.13	<0.001	<0.001	<0.001	*29*		<0.001	***4.3***		0.003	<0.001
MW-802	11-10-2015	N	1303.85	*6.11*	390	16.7	0.3	40	<0.5		64	2.3		**0.044**					*29*			***4.6***			
MW-802	04-12-2016	N	1303.78	*6.01*	493	14.6	0.39	43	<0.5		36	1.6		**0.043**					*27*			***5***			
MW-802	07-11-2016	N	1303.63	*6.39*	402	19.5	0.3	39	<0.5		12	1.2							*20*			***3.9***			
MW-802	11-07-2016	N	1303.22	*6.28*	277	13.2	0.1	25	<0.5		24	1.1		**0.028**					*13*			***2.8***			
MW-802	04-04-2017	N	1303.39	*6.29*	347	12	0.2	15	<0.5		28	1.8		**0.033**					*22*			***5.2***			
MW-802	07-25-2017	N	1303.90	*6.4*	272	18.9	<0.1	12	<0.5		120	1.9	<0.001	**0.032**	0.068	<0.001	<0.001	<0.001	*17*		<0.001	***3.7***		<0.001	<0.001
MW-802	11-07-2017	N	1303.69	*6.48*	222	14.3	<0.1	12	<0.5		44	0.9		**0.032**					*15*			***3***			
MW-802	04-23-2018	N	1303.96	*6.2*	386	17.5	0.18	20	<0.5		25	0.82		**0.038**					*27*			***5.4***			
MW-802	07-11-2018	N	1303.86	*6.15*	332	20.1	0.21	14	<0.5		37	1.3							*23*			***3.8***			
MW-802	11-05-2018	N	1303.33	6.58	214	14.5	0.11	13	<0.5		13	0.97		**0.028**					*17*			***3.2***			
MW-802	04-23-2019	N	1303.90	*6.33*	325	13.9	0.24	24	<0.5		19	0.64		**0.032**					*26*			***4.6***			
MW-802	07-08-2019	N	1304.06	*6.25*	481	15.1	0.28	28	<0.5		38	0.93	<0.001	**0.028**	0.13	<0.001	<0.001	<0.001	*41*		<0.001	***7.4***		0.003	<0.001
MW-802	11-05-2019	N	1304.44	*6.23*	319	14.5	0.15	17	<0.5		57	0.68		**0.03**					*23*			***4***			
MW-802	04-20-2020	N	1304.79	*6.27*	347	17.6	0.21	18	<0.5		39	0.78		**0.033**					*24*			***4.5***			
MW-802	07-15-2020	N	1304.26	*6.36*	278	19.9	0.12	13	<0.5		27	0.52							*25*			***5.3***			
MW-802	11-04-2020	N	1304.03	6.51	248	14.1	0.12	19	<0.5		16	0.54		**0.028**					*17*			***2.8***			

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
MW-802	04-22-2021	N	1303.88	6.62	285	10.3	0.1	29	<0.5		25	0.97		**0.023**					*20*			***4***			
MW-802	07-07-2021	N	1303.46	*6.3*	379	19.1	0.23	35	<0.5		18	<0.5	<0.001	**0.022**	0.092	<0.001	<0.001	<0.001	*20*		<0.001	***4.2***		0.002	<0.001
MW-802	09-29-2021	N	1303.27																						
MW-802	11-01-2021	N	1303.02	*6.44*	169	16.4	<0.1	17	<0.5		<10	<0.5		**0.023**					*8.9*			***1.8***			
MW-802	02-22-2022	N	1302.82																						
MW-802	04-18-2022	N	1303.15																						
MW-802	04-20-2022	N	1303.08	*6.4*	344	13.1	<0.1	20	<0.5		<10	<0.5		**0.026**					*10*			***1.8***			
MW-802	06-08-2022	N	1303.02																						
MW-802	07-11-2022	N	1302.88	*6.21*	304	20	0.18	30	<0.5		10	0.5							*18*			***2.5***			
MW-802	11-01-2022	N	1302.57	*6.41*	310	17.4	0.11	34	<0.5		11	0.63		**0.021**					*19*			***2.7***			
MW-802	04-19-2023	N	1302.99	*6.32*	308	13.9	0.12	29	<0.5		11	0.6		**0.019**					*19*			***2.6***			
MW-802	07-12-2023	N	1303.15	*6.15*	332	17.9	0.14	33	<0.5		<10	0.78	<0.001	**0.016**	0.068	<0.001	<0.001	<0.001	*16*		<0.001	***1.8***		0.0028	<0.001
MW-802	11-07-2023	N	1303.86	*6.3*	347	16.5	0.13	27	<0.5		22	<0.5		**0.02**					*15*			***2.5***			
MW-802	04-16-2024	N	1305.26	*6.22*	273	15.8	<0.1	15	<0.5		13	<0.5		**0.016**					*8.8*			***2.8***			
MW-802	07-23-2024	N	1305.58	*6.09*	340	19	0.14	23	<0.5		<10	<0.5							*9.5*			***4.1***			
MW-803	11-16-1998	N	1304.80	*5.8*	390	7.8	<0.5	8	<0.1		27	3.07							*27*			***2.1***			
MW-803	04-05-1999	N	1305.06	*6.2*	250	10	0.1	8	<0.1		<20	3.4							*50*			***2.7***			
MW-803	07-27-1999	N	1304.70	6.6	372	11	<0.1	6	<0.1		24	3.3		**0.024**	<0.2		0.0031	<0.005	*63*		0.007	***3.7***			<0.02
MW-803	11-17-1999	N	1299.21	6.6	528	4.2	<0.1	6.22	0.108		<15	2.75		**0.028**	0.123		0.003	<0.01	*66.4*		<0.002	***3.79***			<0.01
MW-803	04-10-2000	N	1305.38	*6.3*	482	5.1	<0.1	9.15	0.209		36	4.06							*83.4*			***4.33***			
MW-803	07-17-2000	N	1306.07	*6.4*	510	17.2	<0.1	4.06	0.071		23	2.68	<0.002	<0.005	0.136	<0.002	<0.003	<0.01	*46.5*		<0.002	***5.56***		<0.02	<0.01
MW-803	11-13-2000	N		*6.3*	487	9.1	<0.1	6.88	<0.02		15	2.75							*91.4*			***6.2***			
MW-803	04-02-2001	N	1304.65	*5.7*	545	4.7	<0.1	8.1	0.025		<15	3.36							*10.5*			***5.31***			
MW-803	07-09-2001	N	1304.56	*5.9*	441	12.2	<0.1	6.7	<0.02		<15	2.87							*87.5*			***5.85***			
MW-803	11-05-2001	N	1303.58	7	505	8.1	0.135	8.21	0.137		<15	2.88							*21.7*			***1.49***			
MW-803	04-15-2002	N	1303.05	*6.4*	508	14.2	0.137	9.24	0.053		25	2.84							*82.5*			***6.15***			
MW-803	07-15-2002	N	1303.51	*6.33*	478	14.2	0.119	8.45	0.103		25	3	<0.002	**0.038**	0.119	<0.002	<0.003	<0.01	*84.5*		<0.002	***6.45***		<0.02	<0.01
MW-803	11-18-2002	N	1303.23	6.5	515	6.1	<0.1	13.7	<0.02		29	3.87							*89.8*			***6.78***			
MW-803	04-07-2003	N	1302.85	*6.4*	502	8.6	0.222	14.5	<0.02		34	3.33							*68.2*			***6.35***			
MW-803	07-14-2003	N	1302.98	*6.1*	522	17	0.259	13.9	0.021		23	3.3	<0.002	<0.002	0.111	<0.002	<0.003	<0.01	*12.4*		<0.002	***8.09***		<0.02	<0.01
MW-803	11-03-2003	N	1303.08	*6.3*	511	10.2	0.21	16.3	<0.02		<15	2.95							*94.5*			***7.6***			
MW-803	04-05-2004	N	1304.42	*6.3*	572	6.7	0.306	24.5	0.02		30	3.34							*87.4*			***8.36***			
MW-803	07-06-2004	N	1304.99	*6.2*	567	14.9	0.278	23.9	0.178		24	4.06							*82.2*			***7.63***			
MW-803	11-08-2004	N	1304.97	*6.3*	249	10.3	0.207	20.3	0.06		20	3.75							*74.9*			***6.66***			
MW-803	04-11-2005	N	1305.25	*6*	515	11.8	1.2	13.8	<0.02		29	3.43							*68.5*			***6.55***			
MW-803	07-11-2005	N	1304.95	*6.1*	463	18	0.229	17.2	0.101		<15	2.82	<0.002	**0.047**	0.121	<0.002	<0.003	<0.01	*74.4*		<0.001	***6.42***		<0.02	<0.01
MW-803	11-01-2005	N	1305.14	*6*	495	12.3	0.225	22.7	<0.02		21	3.53							*75.2*			***7.26***			
MW-803	04-10-2006	N	1306.55	*6.1*	365	11.1	<0.1	12.6	<0.02		<15	2.5							*50.7*			***4.36***			
MW-803	07-10-2006	N	1306.59	*5.9*	380	16.5	0.25	18.2	0.131		<15	2.35							*52.7*			***4.54***			
MW-803	11-06-2006	N	1306.36	*6.2*	490	11	0.139	33.9	0.024		<15	2.56							*75.9*			***6.07***			
MW-803	04-09-2007	N	1306.13	*6.3*	410	9.8	0.366	18.8	0.044		19	2.62							*72.5*			***5.24***			
MW-803	07-23-2007	N	1306.21	6.9	479	18.1	<0.1	11.1	0.165		<15	1.12	<0.002	**0.041**	0.109	<0.002	<0.002	<0.02	*73.7*		<0.001	***4.85***		0.029	<0.02
MW-803	11-05-2007	N	1305.66	*6.09*	450	12.7	0.18	9	0.26		27	1.9		**0.046**					*73.1*			***4.91***			
MW-803	04-21-2008	N	1305.06	*6.28*	680	16	0.15	9.1	0.04		45	2.2		**0.044**					*32*			***5.8***			
MW-803	07-21-2008	N	1305.07	*5.9*	230	16.6	0.15	9.7	<0.02		44	2							*71*			***5.7***			
MW-803	11-18-2008	N	1305.83	*5.86*	470	11.9	0.12	8.8	0.03		67	2.8		**0.045**					*79*			***6.2***			
MW-803	04-06-2009	N	1306.23	*6*	520	9.4	0.2	12	<0.5		30	1.7		**0.049**					*63*			***6.2***			

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Volatile Organic Compounds																																										
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			Acetone	Benzene	Bromomethane	Butanone (2-) (MEK)	Chlorobenzene (Monochlorobenzene)	Chloroethane	Chloroform (Trichloromethane)	Chloromethane	Dichlorobenzene (1,4-)	Dichlorodifluoromethane (CFC12)	Dichloroethane (1,1-)	Dichloroethene (1,1-)	Dichloroethene (cis-1,2-)	Diethyl Ether (Ethyl Ether)	Dioxane (1,4-)	Ethylbenzene	Hexanone (2-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Methyl-tert Butyl Ether (MTBE)	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethane (1,1,1-)	Trichloroethene (TCE)	Trichlorofluoromethane (CFC11)	Vinyl chloride	Xylene (m,p-)	Xylene (o-)	Xylenes (total)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic acid	bis(2-Ethylhexyl)phthalate (Di(ethylhexyl)phthalate)	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Methylphenol (3,4-)	Naphthalene	Phenanthrene	Pyrene
		Fraction	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		GW-1 (AGQS)	6000	5	10	4000	100		70	30	75	1000	81	7	70	1400	0.32	700		2000	5	13	5	600	1000	200	5	2000	2	10000	10000	10000	420	420	2100	0.1	0.2	0.1	210	0.5	28000	6	5	0.1	280	280	0.1	40	100	210	210
		SMCL																																													
MW-802	04-22-2021	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																				
MW-802	07-07-2021	N																																													
MW-802	09-29-2021	N																																												
MW-802	11-01-2021	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																				
MW-802	02-22-2022	N																																													
MW-802	04-18-2022	N																																												
MW-802	04-20-2022	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																				
MW-802	06-08-2022	N																																													
MW-802	07-11-2022	N																																												
MW-802	11-01-2022	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																				
MW-802	04-19-2023	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																				
MW-802	07-12-2023	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																				
MW-802	11-07-2023	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																				
MW-802	04-16-2024	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																				
MW-802	07-23-2024	N																																													
MW-803	11-16-1998	N	11	<1								1.1	<1		<1	<5						<1					<1																					
MW-803	04-05-1999	N	<10	<1								10	<1		<1	<5						<1					<1																					
MW-803	07-27-1999	N																																													
MW-803	11-17-1999	N	<20	<1								<10	4.6		1.3	<20						<2					1.1																					
MW-803	04-10-2000	N	<20	<1								<10	1.5		<1	<20						<2					<1																					
MW-803	07-17-2000	N																																													
MW-803	11-13-2000	N	<20	<1								<10	7		2.3	<20						<2					1.4																					
MW-803	04-02-2001	N	<20	<1								<10	6.1		2	<20						<2					1.3																					
MW-803	07-09-2001	N																																													
MW-803	11-05-2001	N	<20	<1								<10	4		1.4	<20						<2					<1																					
MW-803	04-15-2002	N	<20	<1								<10	4.5		1.1	<20						<2					<1																					
MW-803	07-15-2002	N																																													
MW-803	11-18-2002	N	<20	<1								<1	9.4		1.7	<20						<2					<1																					
MW-803	04-07-2003	N	<25	<1								<1	3.9		<1	<10						<2					<1																					
MW-803	07-14-2003	N																																													
MW-803	11-03-2003	N	<10	<1								<5	4.4		<1	<5						<2					<1																					
MW-803	04-05-2004	N	<10	<1								<5	9.8		1.6	9.2						2.2					<1																					
MW-803	07-06-2004	N																																													
MW-803	11-08-2004	N	<10	<1								<5	4.2		1.1	<5						<2					<1																					
MW-803	04-11-2005	N	<10	<1								<5	4.7		1.2	5.3						<2					<1																					
MW-803	07-11-2005	N																																													
MW-803	11-01-2005	N	<10	<1								<5	2.9		1.1	<5						<2					<1																					
MW-803	04-10-2006	N	<10	<1								<5	3.9		<1	5.1						<2					<1																					
MW-803	07-10-2006	N																																													
MW-803	11-06-2006	N	<10	<1								<5	1.6		<1	<5						<2					<1																					
MW-803	04-09-2007	N	<10	<1								<5	2.9		1.2	5.1						<2					<1																					
MW-803	07-23-2007	N																																													
MW-803	11-05-2007	N	<10	<1								<5	1.3		1.5	5.1						<2					<1																					
MW-803	04-21-2008	N	<10	<1								<5	1.1		1.1	<5						<2					<1																					
MW-803	07-21-2008	N																																													
MW-803	11-18-2008	N	<10	<1								<5	<1		<1	<5	<2					<2					<1																					
MW-803	04-06-2009	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<1	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																				

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
MW-803	07-13-2009	N	1306.44	*5.7*	370	17.4	0.2	7	<0.5		20	2	<0.001	**0.046**	0.11	<0.001	<0.001	<0.001	*59*		<0.001	***5.8***		0.004	<0.001
MW-803	11-09-2009	N	1306.20	*6.2*	390	16.2	0.1	8	<0.5		30	1.6		**0.061**					*63*			***6***			
MW-803	04-07-2010	N	1306.10	*5.67*	440	20.1	0.2	11	<0.5		30	1.9		**0.05**					*53*			***5.2***			
MW-803	07-12-2010	N	1306.37	*5.83*	410	22	0.2	9	<0.5		31	1.3							*50*			***5.8***			
MW-803	11-01-2010	N	1306.60	*5.99*	1110	9.6	0.1	9	<0.5		12	1.6		**0.051**					*41*			***3.6***			
MW-803	04-18-2011	N	1307.19	*6.24*	480	15.2	0.2	15	<0.5		33	1.8		**0.053**					*40*			***3.9***			
MW-803	04-18-2011	FD					0.2	14	<0.5		34	1.5		**0.05**					*41*			***4***			
MW-803	07-13-2011	N	1307.24	*5.5*	240	18	0.1	8	<0.5		21	1.1	<0.001	**0.054**	0.091	<0.001	<0.001	<0.001	*44*		<0.001	***3.8***		0.005	<0.001
MW-803	11-01-2011	N	1306.50	*6.15*	340	16.5	<0.1	7	<0.5		<10	1.4		**0.051**					*42*			***3.1***			
MW-803	11-01-2011	FD					<0.1	7	<0.5		<10	1.4		**0.05**					*41*			***3.3***			
MW-803	04-10-2012	N	1305.20	*6.2*	820	12	<0.1	7	<0.5		10	1.4		**0.059**					*41*			***2.6***			
MW-803	07-17-2012	N	1304.99	*6.1*	1550	23.6	<0.1	9	<0.5		<10	1.5		**0.074**					*41*			***2.5***			
MW-803	11-07-2012	N	1304.69	*6.21*	397	14.9	0.2	14	<0.5		22	1.5		**0.059**					*42*			***2.9***			
MW-803	04-10-2013	N	1304.33	*5.8*	680	12.8	0.3	24	<0.5		42	2.2		**0.058**					*73*			***6.2***			
MW-803	07-08-2013	N	1304.78	*6.11*	540	22	0.2	23	<0.5		33	1.6	<0.001	**0.06**	0.12	<0.001	<0.001	<0.001	*51*		<0.001	***4.8***		0.003	<0.001
MW-803	11-07-2013	N	1305.15	*6.24*	399	17.3	0.2	18	<0.5		26	1.6		**0.055**					*42*			***3.4***			
MW-803	04-23-2014	N	1305.31	*6.02*	570	15	0.1	16	<0.5		40	2.1		**0.052**					*47*			***5.3***			
MW-803	04-23-2014	FD					0.1	16	<0.5		41	1.9		**0.053**					*47*			***5.3***			
MW-803	07-15-2014	N	1305.37	*5.88*	540	23.1	<0.1	18	<0.5		33	2.2							*48*			***4.6***			
MW-803	11-05-2014	N	1304.75	*6.09*	740	14.1	<0.1	14	<0.5		18	1.8		**0.074**					*40*			***3.7***			
MW-803	11-05-2014	FD					<0.1	13	<0.5		13	1.4		**0.07**					*39*			***3.6***			
MW-803	04-14-2015	N	1304.17	*6.17*	542	16.3	0.2	26	<0.5		54	2.3		**0.06**					*57*			***5.7***			
MW-803	04-14-2015	FD					0.2	27	<0.5		56	2.2		**0.06**					*59*			***5.7***			
MW-803	07-20-2015	N	1304.44	*6.09*	385	24.1	0.1	15	<0.5		26	1.7	<0.001	**0.062**	0.088	<0.001	<0.001	<0.001	*38*		<0.001	***3.1***		0.003	<0.001
MW-803	11-10-2015	N	1304.04	*6.15*	383	18	0.2	17	<0.5		34	2.1		**0.073**					*43*			***4.2***			
MW-803	11-10-2015	FD					0.2	17	<0.5		31	2.2		**0.071**					*41*			***4***			
MW-803	04-12-2016	N	1303.83	*6.13*	45	16.3	0.11	17	<0.5		32	1.8		**0.083**					*42*			***3.5***			
MW-803	04-12-2016	FD					0.11	17	<0.5		32	2		**0.084**					*43*			***3.5***			
MW-803	07-11-2016	N	1303.65	*6.38*	553	20.3	<0.1	36	<0.5		43	2							*62*			***5.9***			
MW-803	11-07-2016	N	1303.22	*6.2*	530	15.8	0.1	46	<0.5		50	2		**0.059**					*61*			***6.3***			
MW-803	11-07-2016	FD					0.1	44	<0.5		47	2		**0.058**					*60*			***6.2***			
MW-803	04-04-2017	N	1303.46	*6.41*	520	14.6	0.1	28	<0.5		55	2		**0.059**					*58*			***8.2***			
MW-803	04-04-2017	FD		*6.41*	520	14.6	0.1	29	<0.5		57	2.3		**0.058**					*61*			***8.4***			
MW-803	07-25-2017	N	1303.98	*6.36*	465	20.5	<0.1	25	<0.5		41	1.9	<0.001	**0.079**	0.11	<0.001	<0.001	<0.001	*66*		<0.001	***6.4***		0.002	<0.001
MW-803	11-08-2017	N	1303.85	*6.15*	698	17.7	0.1	110	<0.5		41	2		**0.08**					*98*			***10***			
MW-803	11-08-2017	FD					0.1	120	<0.5		53	2.1		**0.076**					*96*			***10***			
MW-803	11-29-2017	N	1303.87	*6.02*	712	15.3		85											*89*			***9.9***			
MW-803	04-24-2018	N	1304.07	*6.09*	430	20.6	0.12	24	<0.5		38	1.5		**0.07**					*67*			***7.7***			
MW-803	04-24-2018	FD					0.12	24	<0.5		31	1.5		**0.072**					*68*			***7.8***			
MW-803	07-11-2018	N	1303.95	*6.02*	575	22.5	0.18	49	<0.5		35	1.4							*71*			***9***			
MW-803	11-05-2018	N	1303.39	*6.39*	498	14.6	0.15	73	<0.5		46	1.8		**0.073**					*80*			***13***			
MW-803	11-05-2018	FD					0.14	73	<0.5		49	1.6		**0.07**					*73*			***12***			
MW-803	04-23-2019	N	1303.98	*6.3*	669	15.8	0.25	96	<0.5		66	2.1		**0.072**					*97*			***14***			
MW-803	04-23-2019	FD					0.25	97	<0.5		65	2		**0.069**					*97*			***14***			
MW-803	07-09-2019	N	1303.99	*6.42*	515	19.6	0.18	42	<0.5		48	1.5	<0.001	**0.062**	0.11	<0.001	<0.001	<0.001	*70*		<0.001	***8.9***		0.0038	<0.001
MW-803	07-09-2019	FD					0.19	42	<0.5		47	1.7	<0.001	**0.064**	0.11	<0.001	<0.001	<0.001	*71*		<0.001	***9***		0.0039	<0.001
MW-803	11-05-2019	N	1304.55	*6.31*	500	14.8	0.16	36	<0.5		39	1.6		**0.074**					*62*			***6.7***			
MW-803	11-05-2019	FD					0.15	40	<0.5		38	1.1		**0.074**					*65*			***6.9***			

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
MW-803	04-20-2020	N	1304.89	*6.35*	584	18	0.25	32	<0.5		70	1.7		**0.077**					*78*			***12***			
MW-803	04-20-2020	FD					0.23	30	<0.5		67	1.7		**0.077**					*77*			***12***			
MW-803	07-15-2020	N	1304.30	*6.34*	519	20	0.28	24	<0.5		69	1.6							*74*			***9.2***			
MW-803	07-15-2020	FD					0.21	23	<0.5		71	1.7							*75*			***9.1***			
MW-803	11-04-2020	N	1304.11	6.69	427	16.9	0.11	26	<0.5		50	<0.5		**0.07**					*57*			***5.7***			
MW-803	11-04-2020	FD					0.12	28	<0.5		48	1.5		**0.069**					*55*			***5.6***			
MW-803	04-22-2021	N	1303.94	*6.31*	471	15.8	0.2	21	<0.5		69	1.8		**0.068**					*72*			***7.4***			
MW-803	04-22-2021	FD					0.22	21	<0.5		68	1.8		**0.068**					*73*			***7.5***			
MW-803	05-27-2021	N	1303.90	*6.41*	482	17.8	0.2	17	<0.5		77	1.7	<0.001	**0.073**	0.11	<0.001	<0.001	<0.001	*70*		<0.001	***7.5***		0.0041	<0.001
MW-803	07-07-2021	N	1303.50	*6.41*	466	20.3	0.18	13	<0.5		67	1.6	<0.001	**0.067**	0.094	<0.001	<0.001	<0.001	*54*		<0.001	***6.6***		0.0034	<0.001
MW-803	07-07-2021	FD					0.18	13	<0.5		70	1.8	<0.001	**0.068**	0.093	<0.001	<0.001	<0.001	*54*		<0.001	***6.5***		0.0033	<0.001
MW-803	09-29-2021	N	1303.36	*6.27*	432	16.6	0.14	13	<0.5		45	1.2	<0.001	**0.068**	0.086	<0.001	<0.001	<0.001	*56*		<0.001	***6.2***		0.0029	<0.001
MW-803	11-01-2021	N	1303.08	*6.31*	361	15.5	0.14 U	13	<0.5		52	1.4	<0.001	**0.066**	0.08	<0.001	<0.001	<0.001	*57*		<0.001	***6.3***		0.0028	<0.001
MW-803	11-01-2021	FD					0.13 U	13	<0.5		52	1.5		**0.067**					*57*			***6.4***			
MW-803	02-22-2022	N	1302.90																						
MW-803	04-18-2022	N	1303.23																						
MW-803	04-20-2022	N	1303.16	*6.35*	402	12.9	0.21	12	<0.5		52	1.7		**0.071**					*54*			***5.6***			
MW-803	04-20-2022	FD					0.21	12	<0.5		54	1.9		**0.072**					*54*			***5.7***			
MW-803	06-08-2022	N	1303.10																						
MW-803	07-11-2022	N	1302.97	*6.18*	412	20.3	0.16	13	<0.5		53	1.5							*57*			***5.5***			
MW-803	07-11-2022	FD					0.15	12	<0.5		42	1.2							*57*			***5.4***			
MW-803	11-01-2022	N	1302.63	*6.3*	393	18.2	0.26	13	<0.5		59	1.7		**0.069**					*55*			***5.5***			
MW-803	11-01-2022	FD					0.25	13	<0.5		71	2		**0.069**					*54*			***5.5***			
MW-803	04-19-2023	N	1303.04	*6.38*	401	14.2	0.22	13	<0.5		78	1.8		**0.07**					*54*			***6.5***			
MW-803	04-19-2023	FD					0.21	12	<0.5		78	1.7		**0.071**					*56*			***6.7***			
MW-803	07-12-2023	N	1303.36	*6.3*	416	20.8	0.21	13	<0.5		76	2	<0.001	**0.067**	0.082	<0.001	<0.001	<0.001	*53*		<0.001	***5.8***		0.0031	<0.001
MW-803	07-12-2023	FD					0.2	13	<0.5		76	1.9	<0.001	**0.069**	0.084	<0.001	<0.001	<0.001	*56*		<0.001	***5.9***		0.0032	<0.001
MW-803	11-07-2023	N	1304.06	*6.38*	472	17.2	0.17	12	<0.5		96	2.6		**0.067**					*62*			***8.1***			
MW-803	11-07-2023	FD					0.17	12	<0.5		99	2.7		**0.07**					*68*			***9.2***			
MW-803	04-16-2024	N	1305.47	*6.24*	527	16.9	0.24	43	<0.5		97	2.9		**0.06**					*54*			***7.1***			
MW-803	04-16-2024	FD					0.23	43	<0.5		95	2.8		**0.061**					*54*			***7.2***			
MW-803	07-23-2024	N	1305.76	*6.24*	439	19.7	0.18	13	<0.5		67	2.2							*51*			***5.7***			
MW-803	07-23-2024	FD					0.17	14	<0.5		69	2.2							*51*			***5.6***			
B-915U	08-08-2001	N	1305.38																						
B-915U	08-30-2001	N	1304.60																						
B-915U	09-11-2001	N	1304.01																						
B-915U	09-14-2001	N	1304.00	*6.31*	191	8.8	<0.1	<2.5			<15	<0.04							<0.01			0.019			
B-915U	01-24-2012	N	1312.43																						
B-915U	02-07-2012	N	1312.25																						
B-915U	03-06-2012	N	1311.25																						
B-915U	04-11-2012	N	1311.58																						
B-915U	05-16-2012	N	1312.57																						
B-915U	06-11-2012	N	1312.75	*6.1*	80	13.4	0.2	<1	<0.5		14	<0.5	<0.001	<0.0005	0.006	<0.001	<0.001	<0.001	0.05		<0.001	<0.005		<0.001	<0.001
B-915U	09-13-2012	N	1312.55	*6.1*	50	14.7	0.1	2	<0.5		<10	<0.5	<0.001	<0.001	0.007	<0.001	<0.001	<0.001	0.12		<0.001	0.006		<0.001	<0.001
B-915U	04-22-2014	N	1312.60	*6.3*	110	12.3																			
B-915U	07-15-2014	N	1312.90	*5.6*	40	13.1																			
B-915U	07-21-2015	N	1311.98	7.02	79	13.5	<0.1	<1	<0.5		<10	<0.5	<0.001	0.0007	0.005	<0.001	<0.001	<0.001	0.07		<0.001	<0.005		0.002	<0.001

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Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-915U	11-09-2015	N	1313.96	*6.34*	74	8.2	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-915U	04-12-2016	N	1315.56	7.11	91	6.4	<0.1	4	<0.5		<10	<0.5							<0.05			<0.005			
B-915U	07-13-2016	N	1315.12	*6.47*	150	13.9	<0.1	8	<0.5		<10	<0.5							<0.05			<0.005			
B-915U	11-08-2016	N	1314.53	*6.23*	144	7.4	<0.1	16	<0.5		<10	<0.5							<0.05			<0.005			
B-915U	04-04-2017	N	1314.25	*6.34*	118	7.7	<0.1	14	<0.5		<10	<0.5							<0.05			<0.005			
B-915U	07-25-2017	N	1315.71	*6.4*	217	8.7	<0.1	48	<0.5		14	<0.5	<0.001	<0.0005	0.013	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-915U	11-07-2017	N	1315.43	*5.93*	201	8.3	<0.1	36	<0.5		<10	<0.5							<0.05			0.021			
B-915U	04-23-2018	N	1315.28	*6.38*	158	10.1	<0.1	17	1.4		<10	<0.5							0.26			0.038			
B-915U	07-09-2018	N	1315.11	*5.73*	206	13.6	<0.1	23	2.2		<10	<0.5							0.21			0.023			
B-915U	11-06-2018	N	1313.16	6.78	153	10	<0.1	28	1.4		<10	<0.5							<0.05			0.0088			
B-915U	04-23-2019	N	1315.50	*6.43*	150	9.1	<0.1	18	0.56		<10	<0.5							<0.05			0.0059			
B-915U	07-09-2019	N	1316.31	*6.21*	252	11.1	<0.1	49	<0.5		<10	<0.5	<0.001	<0.0005	0.016	<0.001	<0.001	<0.001	<0.05		<0.001	0.01		0.0011	<0.001
B-915U	11-05-2019	N	1316.42	6.6	329	9.2	<0.1	52	<0.5		<10	<0.5							<0.05			0.0078			
B-915U	04-21-2020	N	1316.15	*6.26*	241	8.6	<0.1	20	<0.5		<10	<0.5							0.071			0.0054			
B-915U	07-15-2020	N	1315.97	*8.57*	218	10.3	<0.1	18	<0.5		<10	<0.5							0.18			0.011			
B-915U	11-02-2020	N	1313.90	6.62	200	7.3	<0.1	16	0.53		<10	<0.5							<0.05			<0.005			
B-915U	04-20-2021	N	1313.07	*6.35*	179	9.3	<0.1	11	0.71		<10	<0.5							<0.05			<0.005			
B-915U	07-06-2021	N	1311.83	*6.29*	210	11.2	<0.1	15	1.2		<10	<0.5	<0.001	<0.0005	0.011	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-915U	09-29-2021	N	1311.76																						
B-915U	11-02-2021	N	1312.50	*6.24*	192	9.1	<0.1	17	2.4		<10	<0.5							<0.05			<0.005			
B-915U	02-22-2022	N	1311.61																						
B-915U	04-18-2022	N	1314.28																						
B-915U	04-20-2022	N	1314.43	6.51	190	6.8	<0.1	8.2	1.8		<10	<0.5							<0.05			<0.005			
B-915U	06-08-2022	N	1313.76																						
B-915U	07-12-2022	N	1311.71	*6.35*	158	12	<0.1	6.5	0.92		<10	<0.5							0.13			0.0065			
B-915U	11-01-2022	N	1312.71	6.64	146	10.4	<0.1	5.8	0.6		<10	<0.5							<0.05			<0.005			
B-915U	04-18-2023	N	1313.89	6.94	139	8.7	<0.1	3.6	<0.5		<10	<0.5							<0.05			<0.005			
B-915U	07-11-2023	N	1315.87	*6.47*	143	12.8	<0.1	3.6	<0.5		<10	<0.5	<0.001	<0.0005	0.0062	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.0014	<0.001
B-915U	11-06-2023	N	1314.63	6.7	131	9.2	<0.1	5	<0.5		<10	<0.5							<0.05			<0.005			
B-915U	04-16-2024	N	1316.93	6.56	140	9.1	<0.1	5.6	<0.5		<10	<0.5							<0.05			<0.005			
B-915U	07-23-2024	N	1315.35	*6.3*	163	9.9	<0.1	7	<0.5		<10	<0.5							<0.05			<0.005			
B-915M	08-08-2001	N	1301.06																						
B-915M	08-30-2001	N	1300.59																						
B-915M	09-11-2001	N	1300.45																						
B-915M	09-12-2001	N	1300.49	8.05	185	11.5	<0.1	3.06			<15	3.03							0.191			*0.052*			
B-915M	01-24-2012	N	1307.33																						
B-915M	02-07-2012	N	1307.06																						
B-915M	03-06-2012	N	1306.56																						
B-915M	04-11-2012	N	1306.59																						
B-915M	05-16-2012	N	1306.99																						
B-915M	06-11-2012	N	1306.94	*6*	160	12.2	<0.1	17	<0.5		10	<0.5	<0.001	<0.0005	0.014	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.001	<0.001
B-915M	09-13-2012	N	1306.86	*6.1*	120	11	<0.1	19	<0.5		<10	<0.5	<0.001	<0.001	0.014	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-915M	04-22-2014	N	1306.75	*6.19*	490	11.8																			
B-915M	07-15-2014	N	1307.23	*5.9*	140	14.1																			
B-915M	07-21-2015	N	1306.53	6.52	192	11.8	<0.1	23	<0.5		<10	<0.5	<0.001	0.0008	0.014	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-915M	11-09-2015	N	1306.01	*6.26*	230	9.4	<0.1	23	<0.5		<10	<0.5							<0.05			<0.005			
B-915M	04-12-2016	N	1305.36	*6.26*	256	7.2	<0.1	26	<0.5		<10	<0.5							<0.05			<0.005			

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
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Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

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Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-915M	07-13-2016	N	1306.55	7.59	194	11.4	<0.1	28	<0.5		<10	<0.5							<0.05			<0.005			
B-915M	11-08-2016	N	1305.63	*6.03*	371	6.8	<0.1	32	<0.5		<10	<0.5							<0.05			<0.005			
B-915M	04-04-2017	N	1305.44	*6.27*	218	6.6	<0.1	37	<0.5		<10	<0.5							<0.05			<0.005			
B-915M	07-25-2017	N	1306.59	6.83	263	10.6	<0.1	52	<0.5		<10	<0.5	<0.001	<0.0005	0.023	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-915M	11-07-2017	N	1306.01	*6.3*	262	6.8	<0.1	53	<0.5		<10	<0.5							<0.05			<0.005			
B-915M	04-23-2018	N	1306.19	*6.15*	283	10.1	<0.1	57	<0.5		<10	<0.5							<0.05			<0.005			
B-915M	07-09-2018	N	1306.93	*6.13*	303	13.9	<0.1	63	<0.5		<10	<0.5							<0.05			<0.005			
B-915M	11-06-2018	N	1305.90	8.31	233	8.2	<0.1	62	<0.5		<10	<0.5							<0.05			<0.005			
B-915M	04-23-2019	N	1305.82	*6.24*	297	8.3	<0.1	74	<0.5		<10	<0.5							<0.05			<0.005			
B-915M	07-09-2019	N	1306.88	*6.04*	366	10.7	<0.1	85	<0.5		<10	<0.5	<0.001	<0.0005	0.035	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.0013	<0.001
B-915M	11-05-2019	N	1306.27	*6.09*	192	8.7	<0.1	77	<0.5		<10	<0.5							<0.05			<0.005			
B-915M	04-21-2020	N	1306.74	*6.12*	341	8.5	<0.1	71	<0.5		<10	<0.5							0.12			<0.005			
B-915M	07-15-2020	N	1306.58	6.83	327	10.7	<0.1	78	<0.5		<10	<0.5							<0.05			<0.005			
B-915M	11-02-2020	N	1305.88	6.81	300	5.9	<0.1	70	0.53		<10	<0.5							<0.05			<0.005			
B-915M	04-20-2021	N	1305.69	*6.14*	288	8.4	<0.1	74	<0.5		<10	<0.5							<0.05			<0.005			
B-915M	07-06-2021	N	1305.68	*6.12*	370	9.7	<0.1	74	0.59		<10	<0.5	<0.001	<0.0005	0.031	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.001	<0.001
B-915M	09-29-2021	N	1305.03																						
B-915M	11-02-2021	N	1304.79	*6.04*	290	7.8	<0.1	65	<0.5		<10	<0.5							<0.05			<0.005			
B-915M	04-20-2022	N	1304.94	*6.36*	378	6.5	<0.1	66	0.61		<10	<0.5							<0.05			<0.005			
B-915M	07-12-2022	N	1305.20	*5.95*	326	9.8	<0.1	67	<0.5		<10	<0.5							<0.05			<0.005			
B-915M	11-01-2022	N	1304.74	*6.21*	326	9.3	<0.1	65	<0.5		<10	<0.5							<0.05			<0.005			
B-915M	04-18-2023	N	1305.73	*6.31*	344	8.3	<0.1	65	<0.5		<10	<0.5							<0.05			<0.005			
B-915M	07-11-2023	N	1306.11	6.52	352	11.4	<0.1	68	0.55		<10	<0.5	<0.001	<0.0005	0.027	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.0011	<0.001
B-915M	11-06-2023	N	1306.40	*6.31*	319	7.9	<0.1	57	0.57		<10	<0.5							<0.05			<0.005			
B-915M	04-16-2024	N	1307.63	*6.18*	257	8.1	<0.1	52	0.59		<10	<0.5							<0.05			<0.005			
B-915M	07-23-2024	N	1307.57	6.53	287	10	<0.1	46	<0.5		<10	<0.5							<0.05			<0.005			
B-915D	08-08-2001	N	1301.16																						
B-915D	08-30-2001	N	1300.72																						
B-915D	09-11-2001	N	1300.60																						
B-915D	09-12-2001	N	1300.56	*8.69*	117	11.9	0.113	4.37			<15	0.092							<0.01			0.013			
B-915D	01-24-2012	N	1307.76																						
B-915D	02-07-2012	N	1307.49																						
B-915D	03-06-2012	N	1306.98																						
B-915D	04-11-2012	N	1307.02																						
B-915D	05-16-2012	N	1307.43																						
B-915D	06-11-2012	N	1306.36	*6.3*	290	12.8	<0.1	51	<0.5		16	<0.5	<0.001	<0.0005	0.018	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.002	<0.001
B-915D	09-13-2012	N	1307.28	*5.32*	210	11.4	<0.1	44	<0.5		<10	<0.5	<0.001	<0.001	0.016	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-915D	04-22-2014	N	1307.19	*6.24*	250	10.4																			
B-915D	07-16-2014	N	1307.64	*6.3*	200	11.8																			
B-915D	07-21-2015	N	1306.95																						
B-915D	11-09-2015	N	1306.43																						
B-915D	04-12-2016	N	1306.79																						
B-915D	07-13-2016	N	1306.96	8.07	185	11.6	<0.1	20	<0.5		<10	<0.5							<0.05			<0.005			
B-915D	11-08-2016	N	1306.05																						
B-915D	04-04-2017	N	1305.87																						
B-915D	07-25-2017	N	1307.01																						
B-915D	11-07-2017	N	1306.44	6.77	250	6.8																			

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Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-915D	04-23-2018	N	1306.63	*6.36*	337	12.2																			
B-915D	07-09-2018	N	1307.34	6.56	349	11.2	<0.1	76	0.5		<10	<0.5							<0.05			<0.005			
B-915D	11-06-2018	N	1306.23																						
B-915D	04-23-2019	N	1306.24																						
B-915D	07-09-2019	N	1307.31																						
B-915D	11-05-2019	N	1306.69																						
B-915D	04-21-2020	N	1307.17																						
B-915D	07-15-2020	N	1307.00	8.11	678	10.1	<0.1	190	<0.5		<10	<0.5							<0.05			<0.005			
B-915D	11-02-2020	N	1306.31																						
B-915D	04-20-2021	N	1306.08																						
B-915D	07-06-2021	N	1306.10																						
B-915D	09-29-2021	N	1305.45																						
B-915D	11-02-2021	N	1305.20																						
B-915D	04-20-2022	N	1305.36																						
B-915D	07-12-2022	N	1305.63	6.52	357	9.5	<0.1	79	0.5		<10	<0.5							<0.05			<0.005			
B-915D	11-01-2022	N	1305.16																						
B-915D	04-18-2023	N	1306.11																						
B-915D	07-11-2023	N	1306.54																						
B-915D	11-06-2023	N	1306.83																						
B-915D	04-16-2024	N	1308.06																						
B-915D	07-23-2024	N	1307.00	6.71	213	9.4	<0.1	30	<0.5		<10	<0.5							<0.05			<0.005			
B-916U	08-08-2001	N	1303.86																						
B-916U	08-30-2001	N	1302.66																						
B-916U	09-11-2001	N	1302.04																						
B-916U	09-13-2001	N	1302.06	*5.99*	128	12.3	<0.1	8.12			<15	<0.04							<0.01			***1.16***			
B-916U	01-24-2012	N	1308.36																						
B-916U	02-07-2012	N	1308.86																						
B-916U	03-06-2012	N	1306.43																						
B-916U	04-11-2012	N	1307.32																						
B-916U	05-16-2012	N	1309.93																						
B-916U	06-11-2012	N	1309.66	*5.3*	70	12.5	<0.1	5	<0.5		18	<0.5	<0.001	<0.0005	0.016	<0.001	<0.001	<0.001	<0.05		<0.001	0.025		<0.001	<0.001
B-916U	09-13-2012	N	1308.64	7.82	170	15	<0.1	8	<0.5		<10	<0.5	<0.001	0.001	0.045	<0.001	<0.001	0.002	*1.7*		0.004	*0.2*		0.008	<0.001
B-916U	04-21-2014	N	1309.01	*5.49*	160	11.5																			
B-916U	07-15-2014	N	1308.69	*5.34*	150	14.5																			
B-916U	07-21-2015	N	1309.11	*5.85*	83	11.1	<0.1	3	<0.5		21	<0.5	<0.001	<0.0005	0.009	<0.001	<0.001	<0.001	<0.05		<0.001	0.007		0.002	<0.001
B-916U	11-09-2015	N	1308.20	*5.64*	79	10.5	<0.1	3	0.5		13	<0.5							<0.05			0.007			
B-916U	04-12-2016	N	1313.09	6.67	83	5.7	<0.1	1	<0.5		<10	<0.5							<0.05			0.008			
B-916U	07-13-2016	N	1310.51	*5.95*	79	12.9	<0.1	1	<0.5		<10	<0.5							<0.05			0.008			
B-916U	11-08-2016	N	1310.29	*5.85*	107	9.3	<0.1	2	0.7		<10	<0.5							<0.05			0.008			
B-916U	04-04-2017	N	1312.96	*6.09*	67	6.9	<0.1	3	0.6		<10	<0.5							<0.05			0.011			
B-916U	07-24-2017	N	1313.76	*5.91*	72	9.4	<0.1	4	<0.5		10	<0.5	<0.001	<0.0005	0.014	<0.001	<0.001	<0.001	<0.05		<0.001	0.009		<0.001	<0.001
B-916U	11-08-2017	N	1312.40	6.59	89	9.2	<0.1	5	<0.5		<10	<0.5							0.06			0.015			
B-916U	04-24-2018	N	1314.31	*5.49*	81	10.9	<0.1	11	<0.5		<10	<0.5							<0.05			0.015			
B-916U	07-09-2018	N	1312.13	*5.2*	97	15.3	<0.1	10	0.65		<10	<0.5							<0.05			0.015			
B-916U	11-06-2018	N	1306.89	*5.58*	79	10.4	<0.1	11	<0.5		<10	<0.5							<0.05			0.014			
B-916U	04-22-2019	N	1314.70	*5.82*	89	11.1	<0.1	10	0.58		<10	<0.5							<0.05			0.015			
B-916U	07-09-2019	N	1314.73	*5.63*	74	10.3	<0.1	9.1	<0.5		<10	<0.5	<0.001	<0.0005	0.016	<0.001	<0.001	<0.001	<0.05		<0.001	0.015		<0.001	<0.001

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

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Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-916U	11-05-2019	N	1315.36	*6.26*	89	10	0.11	8.7	<0.5		12	<0.5							<0.05			0.014			
B-916U	04-21-2020	N	1314.96	*5.69*	71	9	<0.1	4.3	<0.5		<10	<0.5							<0.05			0.01			
B-916U	07-15-2020	N	1313.54	*6.48*	82	9.9	<0.1	5	<0.5		<10	<0.5							<0.05			0.0092			
B-916U	11-02-2020	N	1310.65	*6.02*	72	8.3	<0.1	4	0.62		<10	<0.5							<0.05			0.0096			
B-916U	04-19-2021	N	1310.15	*5.77*	78	8.8	<0.1	4	<0.5		<10	<0.5							0.065			0.014			
B-916U	07-06-2021	N	1306.81	*6.04*	71	10	<0.1	3.6	0.8		<10	<0.5	<0.001	<0.0005	0.0095	<0.001	<0.001	<0.001	<0.05		<0.001	0.0084		<0.001	<0.001
B-916U	09-29-2021	N	1306.41																						
B-916U	11-02-2021	N	1306.86	*5.56*	65	10.1	<0.1	3.4	<0.5		<10	<0.5							<0.05			0.0083			
B-916U	02-22-2022	N	1306.35																						
B-916U	04-18-2022	N	1312.75	*5.69*	69	9.9	<0.1	2.1	0.58		<10	<0.5							<0.05			0.0078			
B-916U	06-08-2022	N	1310.85																						
B-916U	07-12-2022	N	1307.31	*5.34*	69	12.6	<0.1	2.5	<0.5		<10	<0.5							<0.05			0.0086			
B-916U	11-01-2022	N	1308.33	*5.65*	76	12.5	<0.1	3.9	<0.5		<10	<0.5							*0.36*			0.028			
B-916U	04-18-2023	N	1312.10	*6.03*	69	7.3	<0.1	2.3	<0.5		<10	<0.5							<0.05			0.0064			
B-916U	07-10-2023	N	1313.33	*5.76*	74	13.2	<0.1	2.2	<0.5		<10	<0.5	<0.001	<0.0005	0.012	<0.001	<0.001	<0.001	<0.05		<0.001	0.0054		<0.001	<0.001
B-916U	11-08-2023	N	1310.83	*6.34*	65	7.4	<0.1	2.1	<0.5		<10	<0.5							<0.05			<0.005			
B-916U	04-16-2024	N	1316.14	*6.35*	53	8.3	<0.1	1.2	<0.5		<10	<0.5							<0.05			<0.005			
B-916U	07-23-2024	N	1313.18	*6.42*	61	10.5	<0.1	1.1	<0.5		<10	<0.5							<0.05			0.0056			
B-916M	08-08-2001	N	1282.49																						
B-916M	08-30-2001	N	1279.96																						
B-916M	09-11-2001	N	1280.89																						
B-916M	09-14-2001	N	1280.91	*9.17*	135	12.3	0.447	4.35			<15	<0.04							0.044			<0.005			
B-916M	02-07-2012	N	1283.17																						
B-916M	03-06-2012	N	1282.58																						
B-916M	04-11-2012	N	1282.74																						
B-916M	05-16-2012	N	1283.26																						
B-916M	06-11-2012	N	1283.25	7.6	280	18	<0.1	53	<0.5		<10	<0.5	<0.001	<0.0005	0.018	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.006	<0.001
B-916M	09-13-2012	N	1282.47	6.69	1180	11.3	<0.1	56	<0.5		<10	<0.5	<0.001	<0.001	0.019	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-916M	04-21-2014	N	1282.34	*6.45*	410	13.2																			
B-916M	07-16-2014	N	1282.61	*6.3*	210	12.9																			
B-916M	07-21-2015	N	1282.16	6.71	213	10.4	<0.1	38	<0.5		<10	<0.5	<0.001	<0.0005	0.012	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-916M	11-09-2015	N	1281.44	6.7	271	9.4	<0.1	33	<0.5		<10	<0.5							<0.05			<0.005			
B-916M	04-12-2016	N	1281.89	6.74	197	6.9	<0.1	29	<0.5		<10	<0.5							<0.05			<0.005			
B-916M	07-13-2016	N	1281.96	7.27	191	11.5	<0.1	27	<0.5		<10	0.6							<0.05			<0.005			
B-916M	11-08-2016	N	1280.97	6.83	308	8.8	<0.1	26	<0.5		<10	<0.5							<0.05			<0.005			
B-916M	04-04-2017	N	1280.72	6.87	180	7.7	<0.1	27	<0.5		<10	<0.5							<0.05			<0.005			
B-916M	07-24-2017	N	1282.13	*6.4*	209	9.7	<0.1	30	<0.5		<10	0.6	<0.001	<0.0005	0.012	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-916M	11-08-2017	N	1281.58	6.76	223	8	<0.1	33	<0.5		<10	<0.5							<0.05			<0.005			
B-916M	04-24-2018	N	1281.76	*6.14*	114	10.5	<0.1	47	<0.5		<10	<0.5							<0.05			<0.005			
B-916M	07-09-2018	N	1282.20	*6.41*	271	14.8	<0.1	50	<0.5		<10	<0.5							<0.05			0.0074			
B-916M	11-06-2018	N	1280.93	7	237	8.4	<0.1	58	<0.5		<10	1							<0.05			<0.005			
B-916M	04-22-2019	N	1280.95	*6.28*	323	9.7	<0.1	72	<0.5		<10	<0.5							<0.05			<0.005			
B-916M	07-09-2019	N	1282.27	*6.25*	357	9.5	<0.1	80	<0.5		<10	<0.5	<0.001	<0.0005	0.025	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-916M	11-05-2019	N	1281.46	*6.18*	418	8.5	<0.1	94	<0.5		<10	<0.5							<0.05			<0.005			
B-916M	04-21-2020	N	1282.05	*6.22*	449	8.7	<0.1	96	<0.5		<10	<0.5							0.056			<0.005			
B-916M	07-15-2020	N	1281.74	*6.25*	443	9.5	<0.1	110	<0.5		<10	<0.5							<0.05			<0.005			
B-916M	11-02-2020	N	1280.97	*6.27*	421	7.4	<0.1	110	0.51		<10	<0.5							<0.05			<0.005			

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			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-916M	04-19-2021	N	1280.87	*6.24*	426	8.6	<0.1	94	<0.5		<10	<0.5							<0.05			<0.005			
B-916M	07-06-2021	N	1280.89	*6.1*	409	9.8	<0.1	82	0.58		<10	<0.5	<0.001	<0.0005	0.027	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-916M	09-29-2021	N	1280.17																						
B-916M	11-02-2021	N	1278.94	*6.04*	312	8.3	<0.1	70	<0.5		<10	<0.5							<0.05			<0.005			
B-916M	04-18-2022	N	1280.25	*6.3*	341	9.3	<0.1	59	<0.5		<10	<0.5							<0.05			<0.005			
B-916M	07-12-2022	N	1280.53	*6.11*	295	10.3	<0.1	58	<0.5		<10	<0.5							<0.05			<0.005			
B-916M	11-01-2022	N	1280.04	*6.09*	302	9.9	<0.1	56	<0.5		<10	<0.5							<0.05			<0.005			
B-916M	04-18-2023	N	1281.17	*6.35*	309	8	<0.1	55	<0.5		<10	<0.5							<0.05			<0.005			
B-916M	07-10-2023	N	1281.53	6.61	328	10.9	<0.1	56	0.54		<10	<0.5	<0.001	<0.0005	0.02	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.002	<0.001
B-916M	11-08-2023	N	1281.39	*6.2*	277	7.5	<0.1	51	0.55		<10	<0.5							<0.05			<0.005			
B-916M	04-16-2024	N	1282.75	*6.24*	236	9.7	<0.1	43	0.58		<10	<0.5							<0.05			<0.005			
B-916M	07-23-2024	N	1280.60	6.71	252	9.7	<0.1	38	<0.5		<10	<0.5							<0.05			<0.005			
B-916D	08-08-2001	N	1282.54																						
B-916D	08-30-2001	N	1268.85																						
B-916D	09-11-2001	N	1268.79																						
B-916D	09-13-2001	N	1268.79	*11.86*	548	11.4	<0.1	<2.5			<15	<0.04							<0.01			<0.005			
B-916D	01-24-2012	N	1271.43																						
B-916D	02-07-2012	N	1271.49																						
B-916D	03-06-2012	N	1270.82																						
B-916D	04-11-2012	N	1271.04																						
B-916D	05-16-2012	N	1271.62																						
B-916D	06-11-2012	N	1271.52	*11.6*	1550	15	<0.1	5	<0.5		<10	<0.5	<0.001	<0.0005	0.82	<0.001	<0.001	0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-916D	09-13-2012	N	1270.73	*12.31*	1420	11.8	<0.1	5	<0.5		<10	<0.5	<0.001	<0.001	0.44	<0.001	<0.001	0.002	<0.05		<0.001	<0.005		0.002	<0.001
B-916D	04-21-2014	N	1270.77	*12.3*	1610	11.2																			
B-916D	07-16-2014	N	1271.19	*11.8*	1700	15.1																			
B-916D	07-21-2015	N	1270.79																						
B-916D	11-09-2015	N	1270.07																						
B-916D	04-12-2016	N	1270.83																						
B-916D	07-13-2016	N	1270.86	*12.76*	1346	11.4	<0.1	11	<0.5		<10	0.6							<0.05			<0.005			
B-916D	11-08-2016	N	1269.40																						
B-916D	04-04-2017	N	1269.46																						
B-916D	07-24-2017	N	1271.15																						
B-916D	11-08-2017	N	1270.59																						
B-916D	04-24-2018	N	1270.95																						
B-916D	07-10-2018	N	1271.44	*11.96*	992	14.2	<0.1	8.2	<0.5		<10	1.4							<0.05			<0.005			
B-916D	07-26-2018	N	1270.38	*12.55*	1402	10.7						<0.5													
B-916D	11-06-2018	N	1269.94	*11.68*	688	10.2																			
B-916D	04-22-2019	N	1270.11	*11.79*	817	9.3																			
B-916D	07-09-2019	N	1271.38																						
B-916D	11-05-2019	N	1270.77																						
B-916D	04-21-2020	N	1271.35																						
B-916D	07-15-2020	N	1271.18	*11.47*	402	11.6	<0.1	7.6	<0.5		<10	<0.5							0.083			<0.005			
B-916D	11-02-2020	N	1270.36	*12.41*	850	6.9														<0.05			<0.005		
B-916D	04-19-2021	N	1270.39																						
B-916D	07-06-2021	N	1270.54																						
B-916D	09-29-2021	N	1269.90																						
B-916D	11-02-2021	N	1269.89																						

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			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-916D	04-18-2022	N	1269.84																						
B-916D	07-12-2022	N	1270.31	*12.03*	962	9.9	<0.1	19	<0.5		<10	<0.5								<0.05			<0.005		
B-916D	11-01-2022	N	1269.76																						
B-916D	04-18-2023	N	1271.18																						
B-916D	07-10-2023	N	1271.42																						
B-916D	11-08-2023	N	1271.58																						
B-916D	04-16-2024	N	1272.95																						
B-916D	07-23-2024	N	1272.72	*11.51*	271	11.3	<0.1	12	<0.5		<10	<0.5								<0.05			<0.005		
B-917U	08-08-2001	N	1294.08																						
B-917U	08-30-2001	N	1293.08																						
B-917U	09-11-2001	N	1291.89																						
B-917U	09-14-2001	N	1291.84	*6.14*	222	9.1	<0.1	3.02			<15	<0.04							0.021			0.017			
B-917U	01-24-2012	N	1295.32																						
B-917U	02-07-2012	N	1294.91																						
B-917U	03-06-2012	N	1294.31																						
B-917U	04-11-2012	N	1294.44																						
B-917U	05-16-2012	N	1296.60																						
B-917U	06-11-2012	N	1296.80	*6.28*	480	10.9	<0.1	3	<0.5		<10	<0.5	<0.001	<0.0005	0.018	<0.001	<0.001	<0.001	*0.44*		<0.001	0.036		0.009	<0.001
B-917U	09-13-2012	N	1294.74	7.05	60	9.4	<0.1	<1	<0.5		<10	<0.5	<0.001	<0.001	0.004	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-917U	04-21-2014	N	1294.84	7.6	60	9.7																			
B-917U	07-16-2014	N	1296.74	7.83	50	14.7																			
B-917U	07-21-2015	N	1296.35	7.12	50	10.8	<0.1	<1	<0.5		<10	<0.5	<0.001	<0.0005	0.004	<0.001	<0.001	<0.001	0.06		<0.001	<0.005		<0.001	<0.001
B-917U	11-09-2015	N	1293.23	6.53	48	6.9	<0.1	1	<0.5		<10	<0.5							0.05			<0.005			
B-917U	04-12-2016	N	1295.21	6.96	70	6.1	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-917U	07-13-2016	N	1295.13	7.73	72	11.2	<0.1	<1	<0.5		<10	0.9							<0.05			<0.005			
B-917U	11-08-2016	N	1292.30	*6.45*	66	6	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-917U	04-04-2017	N	1292.07	7.02	62	5.7	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-917U	07-24-2017	N	1296.36	*6.23*	52	8.3	<0.1	<1	<0.5		<10	<0.5	<0.001	<0.0005	0.004	<0.001	<0.001	0.002	<0.05		0.005	<0.005		<0.001	<0.001
B-917U	11-08-2017	N	1293.49	6.7	65	6.5	<0.1	<1	<0.5		<10	<0.5							0.05			<0.005			
B-917U	04-24-2018	N	1295.07	6.57	40	9.5	<0.1	<1	<0.5		<10	<0.5							0.07			<0.005			
B-917U	07-10-2018	N	1296.06	6.77	48	12.4	<0.1	1.1	<0.5		<10	<0.5							0.13			<0.005			
B-917U	11-06-2018	N	1292.62	*6.36*	45	8	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-917U	04-23-2019	N	1293.98	7.2	53	9.2	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-917U	07-09-2019	N	1297.09	*6.28*	38	9.3	<0.1	1.1	<0.5		<10	<0.5	<0.001	<0.0005	0.0043	<0.001	<0.001	<0.001	0.11		<0.001	<0.005		<0.001	<0.001
B-917U	11-05-2019	N	1293.71	7.04	46	7.4	<0.1	1	<0.5		<10	<0.5							<0.05			<0.005			
B-917U	04-21-2020	N	1296.11	*6.43*	42	6.4	<0.1	1	<0.5		<10	<0.5							<0.05			<0.005			
B-917U	07-15-2020	N	1295.30	7	39	7.5	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-917U	11-02-2020	N	1292.74	6.92	46	4.4	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-917U	04-19-2021	N	1293.55	7.18	51	8	<0.1	1.2	<0.5		<10	<0.5							<0.05			<0.005			
B-917U	07-06-2021	N	1294.21	6.85	42	10.4	<0.1	1.3	<0.5		<10	<0.5	<0.001	<0.0005	0.0036	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-917U	09-29-2021	N	1292.12																						
B-917U	11-02-2021	N	1291.69	*6.37*	43	7.3	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-917U	02-22-2022	N	1291.03																						
B-917U	04-18-2022	N	1292.88	6.54	44	8.3	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-917U	06-08-2022	N	1294.52																						
B-917U	07-12-2022	N	1293.62	*6.34*	42	10	<0.1	1	<0.5		<10	<0.5							0.2			0.01			
B-917U	11-01-2022	N	1291.40	6.94	46	8.9	<0.1	1	<0.5		<10	<0.5							<0.05			<0.005			

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Volatile Organic Compounds																																Semi-Volatile Organic Compounds																					
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			Acetone	Benzene	Bromomethane	Butanone (2-) (MEK)	Chlorobenzene (Monochlorobenzene)	Chloroethane	Chloroform (Trichloromethane)	Chloromethane	Dichlorobenzene (1,4-)	Dichlorodifluoromethane (CFC12)	Dichloroethane (1,1-)	Dichloroethene (1,1-)	Dichloroethene (cis-1,2-)	Diethyl Ether (Ethyl Ether)	Dioxane (1,4-)	Ethylbenzene	Hexanone (2-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Methyl-tert Butyl Ether (MTBE)	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethane (1,1,1-)	Trichloroethene (TCE)	Trichlorofluoromethane (CFC11)	Vinyl chloride	Xylene (m,p-)	Xylene (o-)	Xylenes (total)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic acid	bis(2-Ethylhexyl)phthalate (Di(ethylhexyl)phthalate)	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Methylphenol (3,4-)	Naphthalene	Phenanthrene	Pyrene
	Fraction		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	GW-1 (AGQS)		6000	5	10	4000	100		70	30	75	1000	81	7	70	1400	0.32	700		2000	5	13	5	600	1000	200	5	2000	2	10000	10000	10000	420	420	2100	0.1	0.2	0.1	210	0.5	28000	6	5	0.1	280	280	0.1	40	100	210	210
	SMCL																																																						
B-916D	04-18-2022	N																																																				
B-916D	07-12-2022	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																							
B-916D	11-01-2022	N																																																			
B-916D	04-18-2023	N																																																		
B-916D	07-10-2023	N																																																		
B-916D	11-08-2023	N																																																		
B-916D	04-16-2024	N																																																		
B-916D	07-23-2024	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																							
B-917U	08-08-2001	N																																																		
B-917U	08-30-2001	N																																																		
B-917U	09-11-2001	N																																																		
B-917U	09-14-2001	N	<20	<1	<5	<20	<1	<5	15.7	<10	<1	<10	<1	<1	<1	<20		<1	<20	<20	<10	<2	<1	<10	<1	<1	<1	<2	<2			<2																					
B-917U	01-24-2012	N																																																		
B-917U	02-07-2012	N																																																	
B-917U	03-06-2012	N																																																	
B-917U	04-11-2012	N																																																	
B-917U	05-16-2012	N																																																	
B-917U	06-11-2012	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<0.25	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																							
B-917U	09-13-2012	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<0.25	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																							
B-917U	04-21-2014	N																															<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<50	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1
B-917U	07-16-2014	N																															<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<50	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1
B-917U	07-21-2015	N																															<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<50	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1
B-917U	11-09-2015	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<0.25	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																							
B-917U	04-12-2016	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<0.25	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																							
B-917U	07-13-2016	N																																																			
B-917U	11-08-2016	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<0.25	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																							
B-917U	04-04-2017	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<0.25	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																							
B-917U	07-24-2017	N																																																		
B-917U	11-08-2017	N	<10	<1	<2	<10	<1	<5	<1	<2	<1	<5	<1	<1	<1	<5	<0.25	<1	<10	<10	<5	<1	<1	<10	<1	<1	<1	<5	<2	<1	<1																							
B-917U	04-24-2018	N	<10	<1	<2	<10	<1	<5	<1	<2	<1	<5	<1	<1	<1	<5	<0.25	<1	<10	<10	<5	<1	<1	<10	<1	<1	<1	<5	<2	<1	<1																							
B-917U	07-10-2018	N																																																	
B-917U	11-06-2018	N	<10	<1	<2	<10	<1	<5	<1	<2	<1	<5	<1	<1	<1	<5	<0.25	<1	<10	<10	<5	<1	<1	<10	<1	<1	<1	<5	<2	<1	<1																							
B-917U	04-23-2019	N	<10	<1	<2	<10	<1	<5	<1	<2	<1	<5	<1	<1	<1	<5	<0.25	<1	<10	<10	<5	<1	<1	<10	<1	<1	<1	<5	<2	<1	<1																							
B-917U	07-09-2019	N																																																	
B-917U	11-05-2019	N	<10	<1	<2	<10	<1	<5	<1	<2	<1	<5	<1	<1	<1	<5	<0.25	<1	<10	<10	<5	<1	<1	<10	<1	<1	<1	<5	<2	<1	<1																							
B-917U	04-21-2020	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																							
B-917U	07-15-2020	N																															<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<50	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1
B-917U	11-02-2020	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																							
B-917U	04-19-2021	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																							
B-917U	07-06-2021	N																																																	
B-917U	09-29-2021	N																																																	
B-917U	11-02-2021	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																							
B-917U	02-22-2022	N																																																	
B-917U	04-18-2022	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																							
B-917U	06-08-2022	N																																																	
B-917U	07-12-2022	N																																																	
B-917U	11-01-2022	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																							

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-917U	04-18-2023	N	1294.65	6.92	43	7.4	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-917U	07-10-2023	N	1295.13	6.65	43	11.5	<0.1	<1	<0.5		<10	<0.5	<0.001	<0.0005	0.002	<0.001	<0.001	0.0025	<0.05		<0.001	<0.005		<0.001	<0.001
B-917U	11-08-2023	N	1294.33	7.12	46	6.3	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-917U	04-16-2024	N	1299.96	7.27	34	9.1	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-917U	07-22-2024	N	1296.35	7.7	40	9.8	<0.1	1.5	<0.5		<10	<0.5							<0.05			<0.005			
B-909	08-08-2001	N	1292.25																						
B-909	08-30-2001	N	1291.70																						
B-909	09-11-2001	N	1291.52																						
B-909	09-13-2001	N	1291.50																						
B-909	01-24-2012	N	1293.68																						
B-909	02-07-2012	N	1293.37																						
B-909	03-06-2012	N	1292.86																						
B-909	04-11-2012	N	1292.94																						
B-909	05-16-2012	N	1293.94																						
B-909	06-11-2012	N	1293.88	7.17	60	12.6	0.2	1	<0.5		<10	<0.5	<0.001	0.0016	0.032	<0.001	<0.001	0.003	*1.3*		0.003	*0.07*		0.007	<0.001
B-909	09-13-2012	N	1293.16	7.11	60	11.2	<0.1	5	<0.5		<10	<0.5	<0.001	<0.001	0.006	<0.001	<0.001	0.003	<0.05		0.001	<0.005		<0.001	<0.001
B-909	04-21-2014	N	1293.22	8.07	120	9.6																			
B-909	07-16-2014	N	1294.18	7.7	40	13.2																			
B-909	07-21-2015	N	1293.68	7.3	60	10.4	<0.1	1	<0.5		<10	<0.5	<0.001	0.0005	0.005	<0.001	<0.001	0.002	0.18		<0.001	<0.005		0.001	<0.001
B-909	11-09-2015	N	1292.10	7.22	38	6.7	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-909	04-12-2016	N	1293.23	7.26	59	6.6	<0.1	<1	<0.5		<10	<0.5							*0.31*			<0.005			
B-909	07-13-2016	N	1293.29	6.6	39	10.8	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-909	11-08-2016	N	1291.65	6.82	42	6.8	<0.1	<1	<0.5		<10	<0.5							0.1			<0.005			
B-909	04-04-2017	N	1291.45	7.06	59	5.7	<0.1	1	<0.5		<10	<0.5							0.07			<0.005			
B-909	07-24-2017	N	1293.84	*6.43*	72	8.3	<0.1	<1	<0.5		<10	1.2	<0.001	<0.0005	0.006	<0.001	<0.001	0.003	0.09		<0.001	<0.005		<0.001	<0.001
B-909	11-08-2017	N	1292.47	7.57	79	6.1	<0.1	<1	<0.5		<10	<0.5							0.18			<0.005			
B-909	04-24-2018	N	1293.35	6.59	36	9.2	<0.1	1	<0.5		<10	<0.5							0.28			0.008			
B-909	07-10-2018	N	1293.94	6.94	48	12.5	<0.5	<5	<3		<10	<0.5							0.065			<0.005			
B-909	11-06-2018	N	1291.92	6.79	59	8	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-909	04-23-2019	N	1292.52	7.04	79	8.8	<0.1	<1	<0.5		<10	<0.5							0.12			<0.005			
B-909	07-09-2019	N	1294.31	6.97	61	9.2	<0.1	1.2	<0.5		<10	<0.5	<0.001	<0.0005	0.008	<0.001	<0.001	0.0033	0.098		<0.001	0.028		<0.001	<0.001
B-909	11-05-2019	N	1292.68	7.23	51	8.7	<0.1	1.1	<0.5		<10	0.54							0.24			<0.005			
B-909	04-21-2020	N	1293.74	*6.27*	83	7.3	<0.1	<1	<0.5		<10	<0.5							0.13			<0.005			
B-909	07-15-2020	N	1293.50	6.67	71	8.6	<0.1	1.1	<0.5		<10	<0.5							<0.05			<0.005			
B-909	11-02-2020	N	1292.09	6.86	71	6.1	<0.1	1.6	<0.5		<10	<0.5							0.053			<0.005			
B-909	04-19-2021	N	1292.30	7.17	78	7.9	<0.1	1.8	<0.5		<10	<0.5							<0.05			<0.005			
B-909	07-06-2021	N	1292.69	6.99	76	9.3	<0.1	<1	<0.5		<10	<0.5	<0.001	<0.0005	0.0062	<0.001	<0.001	0.0023	0.082		<0.001	<0.005		<0.001	<0.001
B-909	09-29-2021	N	1291.27																						
B-909	11-02-2021	N	1291.00	6.76	73	7.7	<0.1	<10	<5		<10	0.56							<0.05			<0.005			
B-909	04-18-2022	N	1291.77	7.11	73	9.1	<0.1	<1	<0.5		<10	0.64							0.055			<0.005			
B-909	07-12-2022	N	1292.13	*6.3*	67	9.7	<0.1	1	<0.5		<10	<0.5							0.074			<0.005			
B-909	11-01-2022	N	1290.89	6.8	94	9.6	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-909	04-18-2023	N	1293.02	7.04	78	7.2	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-909	07-10-2023	N	1293.26	6.76	92	12.2	<0.1	<1	<0.5		<10	<0.5	<0.001	<0.0005	0.0049	<0.001	<0.001	0.0016	<0.05		<0.001	<0.005		<0.001	<0.001
B-909	11-08-2023	N	1293.03	6.9	86	7.5	<0.1	<1	<0.5		<10	<0.5							0.097			<0.005			
B-909	04-16-2024	N	1296.12	7.03	81	9.4	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-909	07-22-2024	N	1294.82	6.78	88	9.6	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Volatile Organic Compounds																																										
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			Acetone	Benzene	Bromomethane	Butanone (2-) (MEK)	Chlorobenzene (Monochlorobenzene)	Chloroethane	Chloroform (Trichloromethane)	Chloromethane	Dichlorobenzene (1,4-)	Dichlorodifluoromethane (CFC12)	Dichloroethane (1,1-)	Dichloroethene (1,1-)	Dichloroethene (cis-1,2-)	Diethyl Ether (Ethyl Ether)	Dioxane (1,4-)	Ethylbenzene	Hexanone (2-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Methyl-tert Butyl Ether (MTBE)	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethane (1,1,1-)	Trichloroethene (TCE)	Trichlorofluoromethane (CFC11)	Vinyl chloride	Xylene (m,p-)	Xylene (o-)	Xylenes (total)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic acid	bis(2-Ethylhexyl)phthalate (Di(ethylhexyl)phthalate)	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Methylphenol (3,4-)	Naphthalene	Phenanthrene	Pyrene
		Fraction	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		GW-1 (AGQS)	6000	5	10	4000	100		70	30	75	1000	81	7	70	1400	0.32	700		2000	5	13	5	600	1000	200	5	2000	2	10000	10000	10000	420	420	2100	0.1	0.2	0.1	210	0.5	28000	6	5	0.1	280	280	0.1	40	100	210	210
		SMCL																																													
B-917U	04-18-2023	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
B-917U	07-10-2023	N																																													
B-917U	11-08-2023	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
B-917U	04-16-2024	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
B-917U	07-22-2024	N																																													
B-909	08-08-2001	N																																													
B-909	08-30-2001	N																																													
B-909	09-11-2001	N																																													
B-909	09-13-2001	N																																													
B-909	01-24-2012	N																																													
B-909	02-07-2012	N																																													
B-909	03-06-2012	N																																													
B-909	04-11-2012	N																																													
B-909	05-16-2012	N																																													
B-909	06-11-2012	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<0.25	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																						
B-909	09-13-2012	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<0.25	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																						
B-909	04-21-2014	N																														<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<50	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1
B-909	07-16-2014	N																														<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<50	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1
B-909	07-21-2015	N																														<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<60	<6	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1
B-909	11-09-2015	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<0.25	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																						
B-909	04-12-2016	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<0.25	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																						
B-909	07-13-2016	N																																													
B-909	11-08-2016	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<0.25	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																						
B-909	04-04-2017	N	<10	<1	<2	<10	<2	<5	<2	<2	<1	<5	<2	<1	<2	<5	<0.25	<1	<10	<10	<5	<5	<2	<10	<1	<2	<2	<5	<2	<1	<1																						
B-909	07-24-2017	N																																													
B-909	11-08-2017	N	<10	<1	<2	<10	<1	<5	<1	<2	<1	<5	<1	<1	<1	<5	<0.25	<1	<10	<10	<5	<1	<1	<10	<1	<1	<1	<5	<2	<1	<1																						
B-909	04-24-2018	N	<10	<1	<2	<10	<1	<5	<1	<2	<1	<5	<1	<1	<1	<5	<0.25	<1	<10	<10	<5	<1	<1	<10	<1	<1	<1	<5	<2	<1	<1																						
B-909	07-10-2018	N																																													
B-909	11-06-2018	N	<10	<1	<2	<10	<1	<5	<1	<2	<1	<5	<1	<1	<1	<5	<0.25	<1	<10	<10	<5	<1	<1	<10	<1	<1	<1	<5	<2	<1	<1																						
B-909	04-23-2019	N	<10	<1	<2	<10	<1	<5	<1	<2	<1	<5	<1	<1	<1	<5	<0.25	<1	<10	<10	<5	<1	<1	<10	<1	<1	<1	<5	<2	<1	<1																						
B-909	07-09-2019	N																																													
B-909	11-05-2019	N	<10	<1	<2	<10	<1	<5	<1	<2	<1	<5	<1	<1	<1	<5	<0.25	<1	<10	<10	<5	<1	<1	<10	<1	<1	<1	<5	<2	<1	<1																						
B-909	04-21-2020	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
B-909	07-15-2020	N																														<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<70	<7	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1
B-909	11-02-2020	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
B-909	04-19-2021	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
B-909	07-06-2021	N																																													
B-909	09-29-2021	N																																													
B-909	11-02-2021	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
B-909	04-18-2022	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
B-909	07-12-2022	N																																													
B-909	11-01-2022	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
B-909	04-18-2023	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
B-909	07-10-2023	N																																													
B-909	11-08-2023	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
B-909	04-16-2024	N	<10	<1	<2	<10	<1	<2	<1	<2	<1	<2	<1	<0.5	<1	<2	<0.25	<1	<10	<10	<1	<1	<1	<10	<1	<1	<1	<2	<1	<1	<1																						
B-909	07-22-2024	N																																													

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-917D	08-08-2001	N	1294.44																						
B-917D	08-30-2001	N	1293.76																						
B-917D	09-11-2001	N	1293.63																						
B-917D	09-13-2001	N	1293.66	*8.64*	155	12.5	<0.1	8.49			<15	0.178							0.097			0.005			
B-917D	09-13-2001	FD					<0.1	4.77			<15	<0.04							0.197			0.008			
B-917D	01-24-2012	N	1295.42																						
B-917D	02-07-2012	N	1295.16																						
B-917D	03-06-2012	N	1294.66																						
B-917D	04-11-2012	N	1294.71																						
B-917D	05-16-2012	N	1295.16																						
B-917D	06-12-2012	N	1295.16	*5.9*	360	12.6	<0.1	30	<0.5		18	<0.5	<0.001	<0.0005	0.016	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-917D	09-13-2012	N	1294.94	7.12	380	11.6	<0.1	31	<0.5		<10	<0.5	<0.001	<0.001	0.017	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-917D	04-21-2014	N	1294.99	7.95	350	12.7																			
B-917D	07-16-2014	N	1295.41	7.01	160	14.8																			
B-917D	07-21-2015	N	1294.83																						
B-917D	11-09-2015	N	1294.26																						
B-917D	04-12-2016	N	1294.71																						
B-917D	07-13-2016	N	1294.85	7.51	148	10.4	<0.1	15	<0.5		<10	<0.5							<0.05			<0.005			
B-917D	11-08-2016	N	1293.97																						
B-917D	04-04-2017	N	1293.82																						
B-917D	07-24-2017	N	1295.02																						
B-917D	11-08-2017	N	1294.46																						
B-917D	04-24-2018	N	1294.79																						
B-917D	07-10-2018	N	1295.26	6.78	201	13.3	<0.1	25	<0.5		<10	<0.5							<0.05			0.007			
B-917D	11-06-2018	N	1294.01																						
B-917D	04-23-2019	N	1294.16																						
B-917D	07-09-2019	N	1295.16																						
B-917D	11-05-2019	N	1294.54																						
B-917D	04-21-2020	N	1295.00																						
B-917D	07-15-2020	N	1294.80	*6.46*	203	9.8	<0.1	34	<0.5		<10	<0.5							0.097			<0.005			
B-917D	11-02-2020	N	1293.99																						
B-917D	04-19-2021	N	1293.90																						
B-917D	07-06-2021	N	1293.88																						
B-917D	09-29-2021	N	1293.26																						
B-917D	11-02-2021	N	1293.04																						
B-917D	04-18-2022	N	1293.33																						
B-917D	07-12-2022	N	1293.49	*6.14*	159	10.5	<0.1	20	<0.5		<10	<0.5							<0.05			<0.005			
B-917D	11-01-2022	N	1293.02																						
B-917D	04-18-2023	N	1294.09																						
B-917D	07-10-2023	N	1294.43																						
B-917D	11-08-2023	N	1294.55																						
B-917D	04-16-2024	N	1295.97																						
B-917D	07-22-2024	N	1295.95	6.88	141	11.5	<0.1	12	<0.5		<10	<0.5							<0.05			<0.005			
B-918U	08-08-2001	N	1305.75																						
B-918U	08-30-2001	N	1305.33																						
B-918U	09-11-2001	N	1305.10	6.86	61	11	<0.1	<2.5			<15	0.072							0.053			0.046			

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-918U	01-24-2012	N	1307.55																						
B-918U	02-07-2012	N	1307.30																						
B-918U	03-06-2012	N	1316.81																						
B-918U	04-11-2012	N	1306.78																						
B-918U	05-16-2012	N	1307.25																						
B-918U	06-11-2012	N	1306.86	*5.68*	580	11.8	0.3	6	<0.5		12	<0.5	<0.001	<0.0005	0.015	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-918U	09-13-2012	N	1306.60	*5.64*	220	13.2	0.4	15	0.7		<10	<0.5	<0.001	<0.001	0.018	<0.001	<0.001	<0.001	<0.05		<0.001	0.006		0.003	<0.001
B-918U	04-22-2014	N	1306.41	*5.83*	370	11.3																			
B-918U	07-16-2014	N	1307.69	*6.04*	179	8.6																			
B-918U	07-21-2015	N	1306.38	*6.25*	145	12.2	<0.1	27	<0.5		<10	<0.5	<0.001	<0.0005	0.008	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.002	<0.001
B-918U	11-09-2015	N	1304.56	*6.12*	153	8	<0.1	24	<0.5		<10	<0.5							<0.05			<0.005			
B-918U	04-12-2016	N	1305.64	7.45	248	6.8	<0.1	21	0.5		<10	0.6							<0.05			<0.005			
B-918U	07-12-2016	N	1304.10	7.02	115	11.9	<0.1	16	<0.5		<10	<0.5							<0.05			<0.005			
B-918U	11-08-2016	N	1303.67	*6.05*	216	12.2	<0.1	31	0.8		<10	<0.5							<0.05			<0.005			
B-918U	04-04-2017	N	1303.84	*6.46*	129	7	<0.1	19	0.7		<10	<0.5							<0.05			<0.005			
B-918U	07-24-2017	N	1304.50	6.53	119	9.4	<0.1	16	1		10	<0.5	<0.001	<0.0005	0.006	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.002	<0.001
B-918U	11-08-2017	N	1303.87	7.1	169	8.7	<0.1	22	0.6		<10	<0.5							<0.05			<0.005			
B-918U	04-24-2018	N	1304.78	*6.16*	90	11.3	<0.1	8.3	0.94		<10	<0.5							<0.05			<0.005			
B-918U	07-09-2018	N	1304.31	*5.48*	116	16.1	<0.1	5.5	1.2		16	<0.5							<0.05			<0.005			
B-918U	08-27-2018	N	1303.95	6.96	133	9.9	<0.1	18	0.64		<10	0.54							<0.05			<0.005			
B-918U	11-05-2018	N	1303.39	*6.39*	269	7.1	<0.1	16	0.86		<10	<0.5							<0.05			<0.005			
B-918U	04-22-2019	N	1304.39	*5.96*	112	12.9	<0.1	7	0.9		<10	<0.5							<0.05			<0.005			
B-918U	07-09-2019	N	1304.57	*6.46*	100	10.5	<0.1	5.1	1.6		<10	<0.5	<0.001	<0.0005	0.0055	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-918U	11-04-2019	N	1304.24	*6.25*	143	9.3	<0.1	14	0.86		<10	<0.5							<0.05			<0.005			
B-918U	04-20-2020	N	1305.35	*6.47*	181	8.8	<0.1	22	6		<10	<0.5							*0.36*			0.013			
B-918U	07-15-2020	N	1304.39	*6.26*	413	9.9	<0.1	21	3.2		<10	<0.5							<0.05			<0.005			
B-918U	11-02-2020	N	1304.12	7.22	137	5	<0.1	15	0.97		<10	<0.5							<0.05			<0.005			
B-918U	04-19-2021	N	1304.36	*6.14*	177	10.1	<0.1	16	2.4		<10	<0.5							<0.05			<0.005			
B-918U	07-06-2021	N	1303.68	*5.89*	191	11	<0.1	22	3.8		<10	<0.5	<0.001	<0.0005	0.015	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-918U	09-29-2021	N	1303.15																						
B-918U	11-02-2021	N	1302.94	6.69	148	6.4	<0.1	13	0.88		<10	<0.5							<0.05			<0.005			
B-918U	02-22-2022	N	1302.89																						
B-918U	04-18-2022	N	1303.64	*6.43*	164	10.9	<0.1	16	2.1		<10	0.62							<0.05			<0.005			
B-918U	06-08-2022	N	1303.37																						
B-918U	07-12-2022	N	1302.97	*5.94*	181	11.3	<0.1	22	2.2		<10	<0.5							<0.05			<0.005			
B-918U	11-01-2022	N	1302.58	*6.2*	172	13.8	<0.1	15	1.2		<10	<0.5							<0.05			<0.005			
B-918U	04-19-2023	N	1303.63	*6.32*	280	7.8	0.13	46	4.1		<10	<0.5							<0.05			<0.005			
B-918U	07-11-2023	N	1303.65	*6.18*	276	14.4	0.13	40	2.7		<10	<0.5	<0.001	<0.0005	0.017	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-918U	11-06-2023	N	1304.07	*6.06*	260	9.4	<0.1	31	2.2		<10	<0.5							<0.05			<0.005			
B-918U	04-16-2024	N	1306.01	*5.96*	175	11.6	<0.1	22	0.73		<10	<0.5							<0.05			<0.005			
B-918U	07-22-2024	N	1305.84	*6.4*	320	12.5	<0.1	57	1.8		<10	<0.5							<0.05			<0.005			
B-918M	08-08-2001	N	1305.58																						
B-918M	08-30-2001	N	1305.35																						
B-918M	09-11-2001	N	1305.15	*9.41*	347	14.1	0.957	3.3			<15	0.093							<0.01			<0.005			
B-918M	01-24-2012	N	1307.00																						
B-918M	02-07-2012	N	1306.79																						
B-918M	03-06-2012	N	1306.44																						

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

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Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
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Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-918M	04-11-2012	N	1306.34																						
B-918M	05-16-2012	N	1306.46																						
B-918M	06-12-2012	N	1306.38	*6.3*	330	13.1	0.3	17	<0.5		19	<0.5	<0.001	<0.0005	0.04	<0.001	<0.001	<0.001	<0.05		<0.001	0.02		0.007	<0.001
B-918M	09-13-2012	N	1306.16	6.56	250	10.5	0.2	21	<0.5		<10	<0.5	<0.001	<0.001	0.033	<0.001	<0.001	<0.001	<0.05		<0.001	0.041		0.002	<0.001
B-918M	04-22-2014	N	1306.22	*6.26*	340	10.2																			
B-918M	07-16-2014	N	1306.52	6.66	210	10.4																			
B-918M	07-21-2015	N	1305.71	6.59	203	12	<0.1	11	<0.5		<10	<0.5	<0.001	<0.0005	0.019	<0.001	<0.001	<0.001	0.06		<0.001	0.023		0.002	<0.001
B-918M	11-09-2015	N	1304.65	*6.43*	302	8.9	<0.1	14	<0.5		<10	<0.5							<0.05			0.021			
B-918M	04-12-2016	N	1304.24	6.67	242	7.2	<0.1	15	<0.5		<10	<0.5							<0.05			0.02			
B-918M	07-12-2016	N	1304.18	7.25	194	11.9	<0.1	14	<0.5		<10	0.6							<0.05			0.018			
B-918M	11-08-2016	N	1303.80	*6.47*	204	11.5	<0.1	20	<0.5		<10	<0.5							<0.05			0.02			
B-918M	04-04-2017	N	1303.72	6.87	203	7.5	0.1	19	<0.5		<10	<0.5							<0.05			0.02			
B-918M	07-24-2017	N	1304.24	*6.15*	205	10.5	<0.1	20	<0.5		10	<0.5	<0.001	<0.0005	0.018	<0.001	<0.001	<0.001	<0.05		<0.001	0.025		<0.001	<0.001
B-918M	11-08-2017	N	1303.82	*6.38*	211	8.2	<0.1	21	<0.5		<10	<0.5							<0.05			0.024			
B-918M	04-24-2018	N	1304.39	*6.26*	219	12.1	<0.1	30	<0.5		<10	<0.5							<0.05			0.041			
B-918M	05-04-2018	N	1304.38	*6.24*	333	11.2		30																	
B-918M	07-09-2018	N	1304.33	*6*	275	15.6	0.1	30	<0.5		<10	<0.5							<0.05			0.041			
B-918M	08-27-2018	N	1304.13	6.81	261	11	<0.1	28	<0.5		<10	<0.5							<0.05			0.039			
B-918M	11-05-2018	N	1303.65	6.99	865	7.3	<0.1	21	<0.5		<10	<0.5							<0.05			0.03			
B-918M	04-22-2019	N	1304.06	*6.32*	206	10.1	<0.1	16	<0.5		<10	<0.5							<0.05			0.019			
B-918M	07-09-2019	N	1304.35	6.56	209	10.4	<0.1	16	<0.5		<10	<0.5	<0.001	<0.0005	0.027	<0.001	<0.001	<0.001	<0.05		<0.001	0.024		0.0015	<0.001
B-918M	11-04-2019	N	1304.35	6.74	225	9.2	<0.1	15	<0.5	12	<10	<0.5							<0.05			0.021			
B-918M	01-07-2020	N	1304.44	7.31	211	7.6	<0.1	14	<0.5	12	<10	<0.5							<0.05			0.019			
B-918M	04-20-2020	N	1304.94	6.74	199	9.3	<0.1	12	<0.5	13	<10	<0.5							<0.05			0.017			
B-918M	07-15-2020	N	1304.51	6.83	182	10.6	<0.1	12	<0.5	12	<10	<0.5							<0.05			0.021			
B-918M	11-02-2020	N	1304.05	7.13	199	7.8	<0.1	18	<0.5	13	<10	<0.5							<0.05			0.019			
B-918M	01-13-2021	N	1304.34	7.33	297	7.3	<0.1	14	<0.5	13	<10	<0.5							<0.05			0.018			
B-918M	04-19-2021	N	1304.18	6.52	224	8.9	<0.1	13	<0.5	13	<10	<0.5							<0.05			0.018			
B-918M	07-06-2021	N	1303.84	*6.28*	238	11.4	<0.1	23	<0.5	13	<10	<0.5	<0.001	<0.0005	0.021	<0.001	<0.001	<0.001	<0.05		<0.001	0.019		0.0011	<0.001
B-918M	09-29-2021	N	1303.46																						
B-918M	11-02-2021	N	1303.23	6.5	191	8.6	<0.1	20	<0.5	14	<10	<0.5							<0.05			0.017			
B-918M	01-06-2022	N	1303.11	7.24	225	7.4	<0.1	17	<0.5	14	<10	<0.5							<0.05			0.016			
B-918M	04-18-2022	N	1303.43	*6.35*	273	10.4	<0.1	24	<0.5	13	<10	<0.5							<0.05			0.017			
B-918M	07-12-2022	N	1303.14	*6.24*	220	11	<0.1	24	<0.5	14	<10	<0.5							<0.05			0.019			
B-918M	11-02-2022	N	1302.73	6.51	223	10.9	<0.1	20	<0.5	13	<10	<0.5							<0.05			0.016			
B-918M	01-04-2023	N	1303.06	6.95	190	9	<0.1	15	<0.5	13	<10	<0.5							<0.05			0.011			
B-918M	04-19-2023	N	1303.33	6.64	180	9.4	<0.1	12	<0.5	13	<10	<0.5							<0.05			0.011			
B-918M	07-11-2023	N	1303.50	6.5	177	13.3	<0.1	10	0.66	12	<10	<0.5	<0.001	<0.0005	0.016	<0.001	<0.001	<0.001	<0.05		<0.001	0.0098		0.0014	<0.001
B-918M	11-06-2023	N	1304.20	6.72	167	9.7	<0.1	14	0.98	11	<10	<0.5							<0.05			0.0059			
B-918M	01-02-2024	N	1304.52	6.7	194	9.3	<0.1	13	0.92	9.7	<10	<0.5							<0.05			<0.005			
B-918M	04-16-2024	N	1305.58	*6.37*	144	11.4	<0.1	13	1.2	8.5	<10	<0.5							<0.05			<0.005			
B-918M	07-22-2024	N	1305.95	7.31	171	11.8	<0.1	12	1	8.4	<10	<0.5							<0.05			<0.005			
B-918D	08-08-2001	N	1294.89																						
B-918D	08-30-2001	N	1294.59																						
B-918D	09-11-2001	N	1294.49	*6.26*	124	13.3	<0.1	<2.5			<15	0.329							<0.01			<0.005			
B-918D	01-24-2012	N	1296.56																						
B-918D	02-07-2012	N	1296.33																						

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Summary of Monitoring Data – Groundwater Samples
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Bethlehem, New Hampshire
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| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

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			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-918D	03-06-2012	N	1295.87																						
B-918D	04-11-2012	N	1295.89																						
B-918D	05-16-2012	N	1296.15																						
B-918D	06-12-2012	N	1296.09	7	180	19.6	<0.1	5	<0.5		16	<0.5	<0.001	<0.0005	0.009	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-918D	09-13-2012	N	1295.81	6.87	290	12.1	<0.1	6	<0.5		<10	0.8	<0.001	<0.001	0.009	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-918D	04-22-2014	N	1296.16	6.88	170	12.6																			
B-918D	07-16-2014	N	1296.29	6.99	139	10.5																			
B-918D	07-21-2015	N	1295.64																						
B-918D	11-09-2015	N	1295.17																						
B-918D	04-12-2016	N	1295.44																						
B-918D	07-12-2016	N	1295.49	8.33	137	13.4	<0.1	3	<0.5		<10	<0.5							<0.05			<0.005			
B-918D	11-08-2016	N	1293.87																						
B-918D	04-04-2017	N	1294.55																						
B-918D	07-24-2017	N	1295.31																						
B-918D	11-08-2017	N	1295.01																						
B-918D	04-24-2018	N	1295.33																						
B-918D	07-09-2018	N	1295.62	6.61	154	14.2	<0.1	5.4	<0.5		<10	<0.5							<0.05			<0.005			
B-918D	08-27-2018	N	1295.29	7.44	150	11.4	<0.1	4.4	<0.5		<10	<0.5							<0.05			<0.005			
B-918D	11-05-2018	N	1294.75																						
B-918D	04-22-2019	N	1294.72																						
B-918D	07-09-2019	N	1295.52	6.94	133	10																			
B-918D	11-04-2019	N	1295.16																						
B-918D	04-20-2020	N	1295.57																						
B-918D	07-15-2020	N	1295.56	6.88	132	10.4	<0.1	4.7	<0.5		<10	<0.5							<0.05			<0.005			
B-918D	11-02-2020	N	1295.10																						
B-918D	04-19-2021	N	1294.86																						
B-918D	07-06-2021	N	1294.79	6.91	125	12																			
B-918D	09-29-2021	N	1294.28																						
B-918D	11-02-2021	N	1294.07																						
B-918D	04-18-2022	N	1294.15																						
B-918D	07-12-2022	N	1294.35	6.74	120	10.8	<0.1	4.3	<0.5		<10	<0.5							<0.05			<0.005			
B-918D	11-02-2022	N	1293.97																						
B-918D	04-19-2023	N	1294.75																						
B-918D	07-11-2023	N	1295.18	6.83	135	12.4																			
B-918D	11-06-2023	N	1296.49																						
B-918D	04-16-2024	N	1296.61																						
B-918D	07-22-2024	N	1296.68	7.01	126	12.8	<0.1	4.4	<0.5		<10	<0.5							<0.05			<0.005			
B-919U	09-11-2001	N	1303.56	*5.87*	77	10.7	<0.1	<2.5			<15	0.149							<0.01			0.025			
B-919U	11-06-2006	N	1306.20	*6.1*	150	11.6	<0.1	2.87	1.71		68	0.639							0.264			<0.02			
B-919U	04-09-2007	N	1305.73	*5.8*	170	7.9	<0.1	4.17	2.56		<15	0.887							0.235			<0.02			
B-919U	07-23-2007	N	1306.05	6.9	182	13.9	<0.1	4.8	3.69		<15	0.754	<0.002	<0.002	<0.02	<0.002	<0.002	<0.02	<0.02		<0.001	<0.02		<0.02	<0.02
B-919U	11-05-2007	N	1305.22	*6.1*	170	8.6	<0.1	5.2	4.1		<10	1.3		<0.002					*0.317*			<0.02			
B-919U	04-21-2008	N	1304.97	*5.98*	310	10.9	<0.1	5.8	4.6		85	0.17		<0.002					<0.02			<0.02			
B-919U	07-21-2008	N	1305.05	6.6	50	13.3	<0.1	4.8	4.2		10	1.8							<0.02			<0.02			
B-919U	11-18-2008	N	1305.88	*5.9*	150	5	<0.1	3.5	5.3		410	0.45		<0.002					*0.69*			<0.02			
B-919U	03-18-2009	N	1305.76	*5.9*	170	10.1																			
B-919U	04-07-2009	N	1305.94	*6*	150	6.8	<0.1	4	4.6		<10	<0.5		<0.001					0.15			0.018			

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			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-919U	05-19-2009	N	1306.23	*5.9*	180	15.2																			
B-919U	06-10-2009	N	1306.31	*5.9*	190	15.1																			
B-919U	07-14-2009	N	1306.54	*5.56*	180	12.9	<0.1	5	5.1		<10	<0.5	<0.001	<0.0005	0.015	<0.001	<0.001	0.002	<0.05		<0.001	<0.005		0.001	<0.001
B-919U	07-30-2009	N																							
B-919U	08-24-2009	N	1306.52	*5.8*	260	16.1																			
B-919U	09-15-2009	N	1306.40	*6.2*	150	12.8																			
B-919U	10-14-2009	N	1306.03	*5.46*	140	8.5																			
B-919U	11-10-2009	N	1305.93	*5.6*	160	11.7	<0.1	7	2.4		10	<0.5		<0.0005					<0.05			<0.005			
B-919U	12-08-2009	N	1305.91	*6.2*	170	6.8																			
B-919U	01-07-2010	N	1305.80	*5.9*	170	7.6																			
B-919U	02-09-2010	N	1305.63	*6.3*	180	10.2																			
B-919U	03-09-2010	N	1305.49	*5.3*	150	11.3																			
B-919U	04-07-2010	N	1305.99	*5.2*	170	15.9	<0.1	13	1.2		<10	<0.5		<0.0005					<0.05			<0.005			
B-919U	05-25-2010	N	1306.58	*5.5*	170	19.1																			
B-919U	06-15-2010	N	1306.39	*5.1*	160	14																			
B-919U	07-13-2010	N	1306.61	*5.6*	160	18.9	<0.1	20	0.7		<10	<0.5							*4.3*			***0.31***			
B-919U	08-09-2010	N	1306.86	*5.2*	170	19																			
B-919U	09-08-2010	N	1306.54	*5.3*	170	13.8																			
B-919U	10-05-2010	N	1306.42	*5.5*	140	16																			
B-919U	11-02-2010	N	1306.61	*5.2*	190	7.9	<0.1	13	0.8		<10	<0.5		<0.001					<0.05			<0.005			
B-919U	11-02-2010	FD					<0.1	13	0.8		<10	<0.5							<0.05			<0.005			
B-919U	12-02-2010	N	1306.62	*5.7*	130	9.7																			
B-919U	01-13-2011	N	1306.55	*5.7*	140	8.4																			
B-919U	02-16-2011	N	1306.26	*5.6*	158	8.9																			
B-919U	04-18-2011	N	1306.95	*5.89*	160	8.6	<0.1	16	0.8		<10	<0.5		<0.001					<0.05			0.005			
B-919U	07-12-2011	N	1307.17	*5.6*	150	20.2	<0.1	19	0.6		<10	<0.5	<0.001	<0.0005	0.012	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.002	<0.001
B-919U	11-01-2011	N	1306.29	*6.05*	180	12.6	<0.1	17	0.9		<10	<0.5		<0.0005					<0.05			<0.005			
B-919U	04-10-2012	N	1305.21	*5.7*	130	10.8	<0.1	18	1		<10	<0.5		<0.0005					*0.43*			0.036			
B-919U	07-18-2012	N	1304.80	*5.95*	170	17.9	<0.1	16	0.9		<10	<0.5		<0.001					*0.37*			0.012			
B-919U	11-07-2012	N	1304.34	*6.1*	200	8.8	<0.1	14	0.9		<10	<0.5		<0.001					0.14			0.009			
B-919U	04-10-2013	N	1304.27	*6.3*	200	12	<0.1	11	1.3		<10	<0.5		<0.001					0.17			0.012			
B-919U	07-08-2013	N	1304.93	*5.72*	196	19.3	<0.1	9	1		<10	<0.5	<0.001	<0.0005	0.015	<0.001	<0.001	<0.001	0.1		<0.001	0.009		0.003	<0.001
B-919U	11-06-2013	N	1305.19	*6.17*	480	11.2	<0.1	24	0.8		<10	<0.5		<0.0005					<0.05			<0.005			
B-919U	04-23-2014	N	1305.30	*6*	280	9.4	<0.1	15	0.8		<10	<0.5		<0.0005					<0.05			<0.005			
B-919U	07-14-2014	N	1305.92	*6.11*	191	15.9	<0.1	20	<0.5		<10	<0.5							<0.05			0.006			
B-919U	11-05-2014	N	1304.57	*6.03*	340	11.4	<0.1	20	0.5		<10	0.9		<0.0005					<0.05			0.007			
B-919U	04-14-2015	N	1303.23	*6.13*	171	11.2	<0.1	18	0.6		<10	<0.5		<0.0005					<0.05			<0.005			
B-919U	07-22-2015	N	1305.17	*6.07*	171	14.4	<0.1	18	<0.5		<10	<0.5	<0.001	<0.0005	0.011	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.002	<0.001
B-919U	11-10-2015	N	1304.51	6.84	290	12.8	<0.1	16	<0.5		<10	<0.5		<0.0005					<0.05			<0.005			
B-919U	04-12-2016	N	1305.13	*6.26*	227	11	<0.1	23	<0.5		<10	<0.5		<0.0005					<0.05			0.005			
B-919U	07-12-2016	N	1303.84	*6.46*	198	17.4	<0.1	18	<0.5		<10	<0.5							<0.05			0.008			
B-919U	11-08-2016	N	1302.96	6.73	180	11.4	<0.1	15	<0.5		<10	<0.5		<0.0005					<0.05			<0.005			
B-919U	04-04-2017	N	1303.63	7.35	163	9.6	<0.1	16	<0.5		<10	<0.5		<0.0005					<0.05			<0.005			
B-919U	07-24-2017	N	1305.04	*6.48*	229	12.5	<0.1	23	<0.5		<10	<0.5	<0.001	<0.0005	0.013	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-919U	11-07-2017	N	1304.04	6.66	226	10.2	<0.1	32	<0.5		15	<0.5		<0.0005					<0.05			<0.005			
B-919U	04-23-2018	N	1304.63	*6.43*	213	15.3	<0.1	35	<0.5		<10	<0.5		<0.001					<0.05			0.006			
B-919U	07-09-2018	N	1304.40	*6.22*	246	14	<0.1	37	<0.5		<10	<0.5							<0.05			0.011			
B-919U	11-05-2018	N	1303.19	*6.4*	409	10	<0.1	36	<0.5		<10	<0.5		<0.001					<0.05			0.0076			

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-919U	04-22-2019	N	1304.50	*6.41*	177	13.6	<0.1	19	<0.5		<10	<0.5		<0.001					<0.05			<0.005			
B-919U	07-08-2019	N	1304.96	*6.05*	229	12.4	<0.1	36	<0.5		<10	<0.5	<0.001	<0.0005	0.014	<0.001	<0.001	0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-919U	11-04-2019	N	1304.91	*6.47*	165	11	<0.1	20	<0.5		<10	<0.5		<0.0005					<0.05			<0.005			
B-919U	04-20-2020	N	1306.00	*6*	336	11.5	<0.1	15	0.71		<10	<0.5		<0.0005					<0.05			<0.005			
B-919U	07-13-2020	N	1304.61	*6.41*	174	18.9	<0.1	13	<0.5		<10	<0.5							<0.05			<0.005			
B-919U	11-02-2020	N	1304.91	7.15	151	7.7	<0.1	11	0.61		<10	<0.5		<0.0005					<0.05			<0.005			
B-919U	04-19-2021	N	1304.49	6.96	151	10.2	<0.1	8.2	0.56		<10	<0.5		<0.0005					0.15			<0.005			
B-919U	05-27-2021	N	1304.45	7.03	128	13.2	<0.1	7.5	0.75		<10	<0.5	<0.001	<0.001	0.0076	<0.001	<0.001	0.0014	<0.05		<0.001	<0.005		<0.001	<0.001
B-919U	07-07-2021	N	1303.61	6.51	120	13.8	<0.1	7.5	0.74		<10	<0.5	<0.001	<0.0005	0.0072	<0.001	<0.001	0.0012	<0.05		<0.001	<0.005		<0.001	<0.001
B-919U	09-29-2021	N	1303.52	6.54	119	12	<0.1	5.9	0.82		<10	<0.5	<0.001	<0.0005	0.024	<0.001	<0.001	0.0012	<0.05		<0.001	<0.005		<0.001	<0.001
B-919U	11-01-2021	N	1303.66	*6.1*	114	10.9	<0.1	7.1	0.89		<10	<0.5	<0.001	<0.0005	0.0071	<0.001	<0.001	0.0011	<0.05		<0.001	<0.005		<0.001	<0.001
B-919U	02-22-2022	N	1303.28	6.8	144	12.9	<0.1	10	2.3		<10	<0.5	<0.001	<0.0005	0.0085	<0.001	<0.001	0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-919U	04-18-2022	N	1304.65	6.57	134	11.5	<0.1	6.4	1.2		<10	<0.5	<0.001	<0.0005	0.0072	<0.001	<0.001	0.0029	<0.05		0.0032	<0.005		0.0021	<0.001
B-919U	06-08-2022	N	1304.47	*6.16*	266	15.9	<0.1	11	1.2		<10	<0.5	<0.001	<0.0005	0.0071	<0.001	<0.001	0.001	<0.05		<0.001	<0.005		0.0014	<0.001
B-919U	07-11-2022	N	1303.84	6.64	390	13.8	<0.1	9.8	0.96		<10	<0.5							0.1			0.005			
B-919U	11-02-2022	N	1303.79	*6.49*	136	11	<0.1	5.3	1.3		<10	<0.5	<0.001	<0.0005	0.01	<0.001	<0.001	0.0011	<0.05		<0.001	<0.005		<0.001	<0.001
B-919U	04-18-2023	N	1304.13	6.77	108	10.2	<0.1	4	<0.5		<10	<0.5		0.00056					<0.05			<0.005			
B-919U	07-11-2023	N	1304.36	7.03	136	13.9	<0.1	3	<0.5		<10	<0.5	<0.001	<0.0005	0.005	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.0013	<0.001
B-919U	11-06-2023	N	1304.31	*6.22*	103	9.9	<0.1	3.2	0.51		<10	<0.5		<0.0005					<0.05			<0.005			
B-919U	04-15-2024	N	1305.89	6.85	128	10.3	<0.1	2.8	<0.5		<10	<0.5		<0.0005					<0.05			<0.005			
B-919U	07-22-2024	N	1305.86	*6.49*	99	14.7	<0.1	2.9	<0.5		<10	<0.5							<0.05			<0.005			
B-919U	07-24-2024	N	1305.86																						
B-919M	09-11-2001	N	1291.71	*12.31*	2650	12.9	0.208	4.78			<15	0.256							<0.01			<0.005			
B-919M	11-06-2006	N	1295.08	*8.8*	190	11.1	<0.1	4.4	<0.02		<15	0.407							*0.321*			***1.93***			
B-919M	04-09-2007	N	1294.77	8.2	150	5.6	<0.1	4.53	0.031		<15	0.339							*1.33*			***1.42***			
B-919M	07-23-2007	N	1295.08	*9.1*	139	14.8	<0.1	4.2	0.584		<15	0.2	<0.002	**0.033**	0.031	<0.002	<0.002	<0.02	0.085		<0.001	*0.059*		<0.02	<0.02
B-919M	11-05-2007	N	1294.12	8.3	170	7.4	0.27	4.4	0.2		<10	0.3		**0.051**					0.137			***1.15***			
B-919M	04-21-2008	N	1294.14	*9.84*	70	14.5	<0.1	4	0.28		62	0.49		**0.03**					*0.63*			*0.14*			
B-919M	07-21-2008	N	1294.43	*8.9*	140	16.7	<0.1	4	<0.02		84	0.64							0.29			*0.16*			
B-919M	11-18-2008	N	1294.97	8.3	130	4.1	<0.1	4.4	<0.02		25	15		**0.091**					<0.02			*0.074*			
B-919M	04-07-2009	N	1295.11	*10*	190	8.5	<0.1	9	<0.5		120	5.8		**0.055**					*2.5*			***0.91***			
B-919M	07-13-2009	N	1295.35	7.03	210	18.2	<0.1	10	<0.5		150	3.9	0.002	**0.044**	0.039	<0.001	<0.001	<0.001	*0.34*		<0.001	***2.5***		0.001	<0.001
B-919M	11-10-2009	N	1294.96	8.5	230	13.2	<0.1	4	<0.5		20	<0.5		**0.04**					<0.05			***0.95***			
B-919M	04-07-2010	N	1294.75	8.28	220	18.4	<0.1	4	<0.5		<10	<0.5		**0.024**					*0.26*			*0.26*			
B-919M	07-13-2010	N	1295.26	7.2	190	18.1	<0.1	4	<0.5		<10	<0.5							<0.05			***1.3***			
B-919M	11-02-2010	N	1295.14	7.2	200	8.1	<0.1	5	<0.5		11	0.6		**0.053**					*2.1*			***2.3***			
B-919M	01-13-2011	N	1294.85																						
B-919M	04-18-2011	N	1295.26	*8.92*	230	12.4	<0.1	4	<0.5		<10	<0.5		**0.025**					0.2			*0.24*			
B-919M	07-12-2011	N	1295.90	*6.2*	170	21.2	<0.1	5	<0.5		29	1.4	<0.001	**0.045**	0.036	<0.001	<0.001	<0.001	*2*		<0.001	***3***		0.002	<0.001
B-919M	11-01-2011	N	1294.99	*8.74*	220	16.5	<0.1	4	<0.5		<10	<0.5		**0.011**					0.09			***0.9***			
B-919M	04-10-2012	N	1294.06	8.4	130	11.5	<0.1	4	<0.5		<10	<0.5		**0.024**					<0.05			*0.068*			
B-919M	07-18-2012	N	1293.78	*9.02*	180	20.3	<0.1	5	<0.5		<10	<0.5		**0.032**					0.05			*0.09*			
B-919M	11-07-2012	N	1293.41	*9.1*	130	7.9	<0.1	5	<0.5		<10	<0.5		**0.03**					0.06			*0.12*			
B-919M	11-07-2012	FD					<0.1	5	<0.5		<10	<0.5		**0.03**					<0.05			*0.12*			
B-919M	04-10-2013	N	1293.43	8.2	230	12.4	<0.1	5	<0.5		<10	<0.5		**0.017**					0.15			***0.33***			
B-919M	07-09-2013	N	1293.55	6.99	260	20.5	<0.1	4	<0.5		<10	<0.5	<0.001	**0.035**	0.059	<0.001	<0.001	<0.001	*2.8*		<0.001	***3.4***		0.003	<0.001
B-919M	11-06-2013	N	1294.34	*8.53*	430	14.5	<0.1	4	<0.5		<10	<0.5		**0.014**					0.08			***0.47***			

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| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

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North Country Environmental Services, Inc.
Bethlehem, New Hampshire
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Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-919M	04-23-2014	N	1293.98				<0.1	4	<0.5		420	3.9													
B-919M	04-25-2014	N	1256.57	6.79	210	17.9								**0.045**					*2.5*			***3***			
B-919M	07-16-2014	N	1294.16	*6.2*	210	18.8	0.6	3	<0.5		21	1.3							*6.5*			***5.2***			
B-919M	11-05-2014	N	1293.94	7.15	410	14.8	0.1	3	<0.5		<10	<0.5		**0.014**					*0.63*			***3.7***			
B-919M	04-14-2015	N	1293.25	7.12	199	14.6	0.1	3	<0.5		<10	0.6		**0.029**					*1.6*			***2.7***			
B-919M	07-22-2015	N	1293.29	7.45	279	17.5	0.3	4	<0.5		<10	<0.5	<0.001	**0.0095**	0.031	<0.001	<0.001	<0.001	<0.05		<0.001	***1.8***		0.002	<0.001
B-919M	11-10-2015	N	1292.42	7.04	230	15.9	0.2	3	<0.5		<10	<0.5		**0.023**					*1*			***3***			
B-919M	04-12-2016	N	1292.96	7.66	233	14.7	<0.1	3	<0.5		<10	0.5		**0.02**					0.11			***1.6***			
B-919M	07-12-2016	N	1291.15	7.81	173	21.2	0.1	4	<0.5		<10	<0.5							*0.51*			***1.9***			
B-919M	11-08-2016	N	1291.68	7.11	268	14.2	<0.1	3	<0.5		<10	<0.5		**0.012**					<0.05			***2.5***			
B-919M	04-04-2017	N	1290.69	7.39	212	11.5	<0.1	3	<0.5		<10	<0.5		**0.014**					0.21			***2.9***			
B-919M	07-25-2017	N	1291.03	7.55	189	18.7	<0.1	3	<0.5		<10	<0.5	<0.001	**0.0069**	0.032	<0.001	<0.001	<0.001	<0.05		<0.001	***2.4***		<0.001	<0.001
B-919M	11-07-2017	N	1289.99	6.92	199	14.6	<0.1	3	<0.5		180	<0.5		**0.015**					*0.74*			***3.5***			
B-919M	04-23-2018	N	1292.52	7.31	193	18.4																			
B-919M	04-24-2018	N					<0.1	2.7	<0.5		<10	<0.5		**0.014**					*0.71*			***3***			
B-919M	07-10-2018	N	1290.53	7.89	207	21.7	<0.1	3.2	<0.5		<10	<0.5							*0.38*			***1.2***			
B-919M	11-06-2018	N	1292.20	6.86	173	15.1	<0.1	2.3	<0.5		<10	<0.5		**0.025**					*2.9*			***2.9***			
B-919M	04-23-2019	N	1292.28	7.72	246	14.6	<0.1	2.4	<0.5		<10	<0.5		**0.02**					*1.2*			***2***			
B-919M	07-09-2019	N	1291.22	7.03	199	18.7	<0.1	2.5	<0.5		<10	<0.5	<0.001	**0.034**	0.026	<0.001	<0.001	<0.001	*4.7*		<0.001	***4.4***		<0.001	<0.001
B-919M	11-05-2019	N	1292.56	7	211	14.5	<0.1	2.5	<0.5		<10	<0.5		**0.013**					*0.47*			***2.9***			
B-919M	04-20-2020	N	1293.04	6.97	211	15.7	<0.1	3.1	<0.5		<10	<0.5		**0.0076**					0.14			***0.78***			
B-919M	07-13-2020	N	1293.18				<0.1	2.9	<0.5		<10	<0.5							*2.5*			***3.5***			
B-919M	07-15-2020	N		6.87	160	18.5																			
B-919M	11-04-2020	N	1292.62	7.57	178	11.8	<0.1	2.7	<0.5		<10	<0.5		**0.027**					*2.9*			***3***			
B-919M	04-22-2021	N	1292.56	7.29	143	13	<0.1	2.4	<0.5		<10	<0.5		0.0026					0.066			***2.5***			
B-919M	05-27-2021	N	1290.67	7.42	171	16.5	<0.1	2.5	<0.5		<10	<0.5	<0.001	**0.032**	0.024	<0.001	<0.001	<0.001	*5.9*		<0.001	***4.4***		<0.001	<0.001
B-919M	07-07-2021	N	1292.29	6.5	150	17.1	<0.1	2.5	<0.5		<10	<0.5	<0.001	0.0047	0.0056	<0.001	<0.001	<0.001	0.062		<0.001	***8.1***		0.0014	<0.001
B-919M	09-29-2021	N	1291.95	6.81	187	15	<0.1	1.9	<0.5		<10	<0.5	<0.001	**0.0062**	0.0051	<0.001	<0.001	<0.001	*1.2*		<0.001	***4.6***		<0.001	<0.001
B-919M	11-02-2021	N	1291.78	6.66	117	14.4	<0.1	2.2	<0.5		<10	1.1	<0.001	**0.02**	0.012	<0.001	<0.001	<0.001	*4.5*		<0.001	***6.1***		0.0013	<0.001
B-919M	02-22-2022	N	1291.57	7	112	16.4	<0.1	2.6	<0.5		<10	<0.5	<0.001	**0.0086**	0.0042	<0.001	<0.001	<0.001	*0.5*		<0.001	***0.45***		<0.001	<0.001
B-919M	04-18-2022	N	1291.85	6.85	147	14.1	<0.1	2.4	<0.5		<10	<0.5	<0.001	**0.043**	0.016	<0.001	<0.001	<0.001	*7.6*		<0.001	***4.5***		<0.001	<0.001
B-919M	06-08-2022	N	1292.16	6.62	398	18.5	<0.1	2.7	<0.5		<10	<0.5	<0.001	**0.06**	0.016	<0.001	<0.001	<0.001	*10*		<0.001	***4.5***		0.0021	<0.001
B-919M	07-11-2022	N	1291.86	6.64	164	18.6	<0.1	2.6	<0.5		<10	<0.5							*8.3*			***4.2***			
B-919M	11-02-2022	N	1291.50	6.81	154	14.4	<0.1	2.9	<0.5		<10	<0.5	<0.001	**0.045**	0.016	<0.001	<0.001	<0.001	*9.4*		<0.001	***4.5***		0.001	<0.001
B-919M	04-18-2023	N	1292.47	6.87	149	15.3	<0.1	2.8	<0.5		<10	<0.5		**0.053**					*8.6*			***3.5***			
B-919M	07-11-2023	N	1292.75	6.77	147	19.2	<0.1	2.6	<0.5		<10	<0.5	<0.001	**0.032**	0.01	<0.001	<0.001	<0.001	*8.2*		<0.001	***3.7***		0.0025	<0.001
B-919M	11-06-2023	N	1293.03	6.8	139	15.1	<0.1	2.7	<0.5		<10	<0.5		**0.043**					*7*			***3.1***			
B-919M	04-15-2024	N	1294.14	6.76	146	14.8	<0.1	2.2	<0.5		<10	<0.5		**0.051**					*9*			***3.9***			
B-919M	07-22-2024	N	1294.12	6.99	181	18.3	<0.1	2.5	<0.5		<10	<0.5							0.071			***1.9***			
B-919M	07-24-2024	N	1294.13																						
B-919D	09-11-2001	N	1291.61	*6.07*	99	13	<0.1	<2.5			<15	0.099							0.017			0.022			
B-919D	11-06-2006	N	1294.59																						
B-919D	04-09-2007	N	1294.14																						
B-919D	07-23-2007	N	1294.31	7.7	84	18.1	<0.1	<2.5	<0.02		<15	<0.05							0.049			0.029			
B-919D	11-05-2007	N	1293.54																						
B-919D	04-21-2008	N	1293.35																						
B-919D	07-21-2008	N	1293.88	*6.1*	140	14.1	<0.1	<2.5	<0.02		<10	<0.1							0.08			0.03			

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
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Bethlehem, New Hampshire
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| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

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			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-919D	11-18-2008	N	1294.63																						
B-919D	04-07-2009	N	1294.95																						
B-919D	07-13-2009	N	1295.10																						
B-919D	11-10-2009	N	1294.49																						
B-919D	04-07-2010	N	1294.70																						
B-919D	07-15-2010	N	1294.89	*6.1*	100	16.8	<0.1	2	<0.5		<10	<0.5							0.08			0.035			
B-919D	11-02-2010	N	1294.71																						
B-919D	01-13-2011	N	1295.42																						
B-919D	04-18-2011	N	1295.21																						
B-919D	07-12-2011	N	1295.43																						
B-919D	11-01-2011	N	1294.43																						
B-919D	04-10-2012	N	1293.43																						
B-919D	07-18-2012	N	1293.27	6.8	80	15.3	<0.1	2	<0.5		<10	<0.5							0.07			0.022			
B-919D	11-07-2012	N	1293.05																						
B-919D	04-10-2013	N	1293.04																						
B-919D	07-08-2013	N	1293.39																						
B-919D	11-06-2013	N	1293.94																						
B-919D	04-23-2014	N	1293.71																						
B-919D	07-16-2014	N	1293.82	7.3	92	14.5	<0.1	2	<0.5		<10	<0.5							0.07			0.027			
B-919D	11-04-2014	N	1293.40																						
B-919D	04-13-2015	N	1292.78																						
B-919D	07-20-2015	N	1293.12																						
B-919D	11-09-2015	N	1292.73																						
B-919D	04-11-2016	N	1292.91																						
B-919D	07-11-2016	N	1292.93	7.85	130	14.4	<0.1	2	<0.5		<10	<0.5							0.09			0.022			
B-919D	11-07-2016	N	1292.29																						
B-919D	04-03-2017	N	1291.98																						
B-919D	07-24-2017	N	1292.67																						
B-919D	11-07-2017	N	1292.69																						
B-919D	04-23-2018	N	1292.66	6.71	103	15.9																			
B-919D	07-09-2018	N	1293.03	7.11	150	16.8	<0.1	2.1	<0.5		<10	<0.5							0.068			0.024			
B-919D	11-05-2018	N	1292.37																						
B-919D	04-22-2019	N	1292.33																						
B-919D	07-08-2019	N	1293.03	7.81	149	15																			
B-919D	11-04-2019	N	1292.74																						
B-919D	04-20-2020	N	1293.11																						
B-919D	07-13-2020	N	1293.12	6.84	85	16.8	<0.1	2.2	<0.5		<10	<0.5								*0.83*			0.047		
B-919D	11-02-2020	N	1292.86																						
B-919D	04-19-2021	N	1292.47																						
B-919D	05-27-2021	N	1292.61	6.91	94	13.1	<0.1	2.2	<0.5		<10	<0.5	<0.001	0.0013	0.024	<0.001	<0.001	<0.001	0.091		<0.001	0.03		<0.001	<0.001
B-919D	07-07-2021	N	1292.27	7.14	97	15	<0.1	2.3	<0.5		<10	<0.5	<0.001	0.0013	0.013	<0.001	<0.001	<0.001	0.076		<0.001	0.031		<0.001	<0.001
B-919D	09-29-2021	N	1291.85	7.09	93	12.6	<0.1	1.8	<0.5		<10	<0.5	<0.001	0.0012	0.013	<0.001	<0.001	<0.001	0.088		<0.001	0.027		<0.001	<0.001
B-919D	11-01-2021	N	1291.77	6.59	79	12.2	<0.1	2.1	<0.5		<10	<0.5	<0.001	0.0012	0.014	<0.001	<0.001	<0.001	0.091		<0.001	0.026		<0.001	<0.001
B-919D	02-22-2022	N	1291.53	7.5	90	13.3	<0.1	2.1	<0.5		<10	<0.5	<0.001	0.0013	0.012	<0.001	<0.001	<0.001	0.073		<0.001	0.023		<0.001	<0.001
B-919D	04-18-2022	N	1291.74	6.96	217	12.1	<0.1	2.2	<0.5		<10	<0.5	<0.001	0.0014	0.012	<0.001	<0.001	0.0014	0.088		0.0028	0.027		0.0014	<0.001
B-919D	06-08-2022	N	1292.07	6.94	100	14.7	<0.1	2.5	<0.5		<10	<0.5	<0.001	0.0012	0.012	<0.001	<0.001	<0.001	0.07		<0.001	0.027		0.0013	<0.001
B-919D	07-11-2022	N	1291.84	7	113	15.5	<0.1	2.3	<0.5		<10	<0.5							0.079			0.025			
B-919D	11-02-2022	N	1291.44	7.06	96	13.8	<0.1	2.3	<0.5		<10	<0.5	<0.001	0.0012	0.013	<0.001	<0.001	<0.001	0.076		<0.001	0.026		<0.001	<0.001

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			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-919D	04-18-2023	N	1292.42																						
B-919D	07-11-2023	N	1292.73	7.47	102	14.7																			
B-919D	11-06-2023	N	1293.05																						
B-919D	04-15-2024	N	1294.19																						
B-919D	07-22-2024	N	1294.22	7	92	15.3	<0.1	2.4	<0.5		<10	<0.5							0.15			0.03			
B-923U	11-08-2016	N	1318.11	*9.01*	71	7.6	<0.1	<1	0.9		<10	<0.5	<0.001	<0.001	0.011	<0.001	<0.001	<0.001	*0.36*		<0.001	0.05		0.001	<0.001
B-923U	12-01-2016	N	1317.94																						
B-923U	01-04-2017	N	1317.80																						
B-923U	02-02-2017	N	1317.54																						
B-923U	03-02-2017	N	1317.43																						
B-923U	04-05-2017	N	1317.40	7.89	66	6.9	<0.1	<1	<0.5		<10	<0.5	<0.001	<0.0005	0.006	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-923U	07-25-2017	N	1318.94																						
B-923U	11-08-2017	N	1318.50																						
B-923U	04-25-2018	N	1318.65	7.68	120	8.3	<0.1	<1	<0.5		<10	<0.5							0.14			<0.005			
B-923U	07-10-2018	N	1319.58	6.58	77	13.9	<0.1	1	<0.5		<10	<0.5	<0.001	<0.0005	0.0047	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-923U	11-06-2018	N	1318.45	7.48	64	8.3	<0.1	<1	0.64		<10	<0.5							<0.05			<0.005			
B-923U	04-23-2019	N	1318.16																						
B-923U	07-09-2019	N	1319.67																						
B-923U	11-05-2019	N	1318.77																						
B-923U	04-21-2020	N	1319.09	7.96	68	6.5	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-923U	07-16-2020	N	1319.41	7.61	56	9.1	<0.1	<1	<0.5		<10	<0.5	<0.001	<0.0005	0.019	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-923U	11-04-2020	N	1318.51	6.96	60	6.2	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-923U	04-20-2021	N	1318.40																						
B-923U	07-07-2021	N	1318.57																						
B-923U	11-02-2021	N	1317.71																						
B-923U	04-20-2022	N	1317.40	7.13	63	4.7	<0.1	1.6	<0.5		<10	0.55							<0.05			<0.005			
B-923U	07-12-2022	N	1318.20	7.32	55	9.1	<0.1	<1	<0.5		<10	<0.5	<0.001	<0.0005	0.0035	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.0027	<0.001
B-923U	11-02-2022	N	1317.39	7.49	60	8.1	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-923U	04-19-2023	N	1318.38																						
B-923U	07-12-2023	N	1318.82																						
B-923U	11-06-2023	N	1319.20																						
B-923U	04-16-2024	N	1320.27	7.42	59	6.5	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-923U	07-23-2024	N	1320.06	7.29	75	14.1	<0.1	1.1	<0.5	7.4	<10	<0.5	<0.001	<0.0005	0.0037	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-924U	11-08-2016	N	1330.27	7.16	121	8.1	<0.1	<1	<0.5		<10	<0.5	<0.001	<0.001	0.015	<0.001	<0.001	<0.001	<0.05		<0.001	*0.073*		<0.001	<0.001
B-924U	12-01-2016	N	1329.96																						
B-924U	01-04-2017	N	1329.65																						
B-924U	02-02-2017	N	1328.77																						
B-924U	03-02-2017	N	1328.87																						
B-924U	04-05-2017	N	1328.40	7.43	101	7.1	<0.1	<1	<0.5		<10	<0.5	<0.001	<0.0005	0.014	<0.001	<0.001	<0.001	<0.05		<0.001	0.013		<0.001	<0.001
B-924U	07-25-2017	N	1331.76	7.33	91	7.7																			
B-924U	11-08-2017	N	1331.05	7.35	106	5.5	<0.1	<1	1.1		<10	<0.5							<0.05			<0.005			
B-924U	04-25-2018	N	1331.45																						
B-924U	07-10-2018	N	1333.90																						
B-924U	11-06-2018	N	1331.40																						
B-924U	04-23-2019	N	1329.94	*6.45*	82	8.9	<0.1	<1	1.8		<10	0.92							<0.05			<0.005			
B-924U	07-09-2019	N	1334.11	6.63	92	10.4	<0.1	<1	1		<10	<0.5	<0.001	<0.0005	0.0061	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

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North Country Environmental Services, Inc.
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Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-924U	11-05-2019	N	1331.95	6.81	104	7.8	<0.1	1	2.5		<10	<0.5							<0.05			<0.005			
B-924U	04-21-2020	N	1332.73																						
B-924U	07-16-2020	N	1333.89	6.74	82	9.3																			
B-924U	11-04-2020	N	1330.89																						
B-924U	04-20-2021	N	1329.90	6.73	78	7.6	<0.1	1	0.68		<10	0.53							<0.05			<0.005			
B-924U	07-07-2021	N	1329.30	7.13	96	11.6	<0.1	<1	1.2		<10	<0.5	<0.001	<0.0005	0.0081	<0.001	<0.001	0.0012	<0.05		<0.001	<0.005		<0.001	<0.001
B-924U	09-29-2021	N	1329.41	7.32	98	6.9																			
B-924U	11-02-2021	N	1328.46	6.68	83	7.2	<0.1	<1	1.2		<10	<0.5							<0.05			<0.005			
B-924U	04-20-2022	N	1327.68																						
B-924U	07-12-2022	N	1329.07																						
B-924U	11-02-2022	N	1327.45																						
B-924U	04-19-2023	N	1329.02	6.98	90	7	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-924U	07-12-2023	N	1330.34	6.87	92	10.3	<0.1	<1	<0.5		<10	<0.5	<0.001	<0.0005	0.0063	<0.001	<0.001	0.0017	<0.05		<0.001	<0.005		0.0017	<0.001
B-924U	11-07-2023	N	1332.04	*6.46*	91	7.8	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-924U	04-16-2024	N	1334.09																						
B-924U	07-23-2024	N	1334.90																						
B-924L	11-08-2016	N	1316.96	*10.48*	204	9.3	<0.1	2	<0.5		<10	<0.5							<0.05			<0.005			
B-924L	12-01-2016	N	1316.89																						
B-924L	01-04-2017	N	1316.77																						
B-924L	02-02-2017	N	1316.40																						
B-924L	03-02-2017	N	1316.35																						
B-924L	04-05-2017	N	1316.22	*9.52*	136	8.5	<0.1	1	<0.5		<10	<0.5							<0.05			<0.005			
B-924L	07-25-2017	N	1317.46																						
B-924L	11-08-2017	N	1317.24																						
B-924L	04-25-2018	N	1317.41																						
B-924L	07-10-2018	N	1318.31	*10.09*	122	12.1	<0.1	1.2	<0.5		<10	<0.5							<0.05			<0.005			
B-924L	11-06-2018	N	1317.38																						
B-924L	04-23-2019	N	1316.90																						
B-924L	07-09-2019	N	1318.22																						
B-924L	11-05-2019	N	1317.57																						
B-924L	04-21-2020	N	1317.84																						
B-924L	07-16-2020	N	1318.19	*9.28*	105	9.1	<0.1	<1	<0.5		<10	<0.5							<0.05			0.0087			
B-924L	11-04-2020	N	1317.32																						
B-924L	04-20-2021	N	1317.20																						
B-924L	07-07-2021	N	1317.26																						
B-924L	11-02-2021	N	1316.50																						
B-924L	04-20-2022	N	1316.10																						
B-924L	07-12-2022	N	1316.89	*6.32*	61	15.4	<0.1	<1	<0.5		<10	<0.5							0.066			0.0099			
B-924L	11-02-2022	N	1316.07																						
B-924L	04-19-2023	N	1316.96																						
B-924L	07-12-2023	N	1317.40																						
B-924L	11-06-2023	N	1317.94																						
B-924L	04-16-2024	N	1319.12																						
B-924L	07-23-2024	N	1319.29	*8.9*	113	9.3	<0.1	<1	<0.5		<10	<0.5							<0.05			0.0094			
B-925U	11-08-2016	N	1333.43	7.33	154	8.4	<0.1	<1	<0.5		<10	0.5	<0.001	0.001	0.009	<0.001	<0.001	<0.001	0.06		<0.001	0.031		<0.001	<0.001
B-925U	12-01-2016	N	1333.13																						

TABLE B.2
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Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-925U	01-04-2017	N	1332.51																						
B-925U	02-02-2017	N	1331.77																						
B-925U	03-02-2017	N	1331.41																						
B-925U	04-05-2017	N	1330.88	8.16	112	6.8	<0.1	<1	<0.5		<10	<0.5	<0.001	0.0011	0.014	<0.001	<0.001	0.001	0.28		<0.001	*0.15*		0.001	<0.001
B-925U	07-25-2017	N	1334.27																						
B-925U	11-08-2017	N	1333.81																						
B-925U	04-25-2018	N	1334.07	7.57	87	7.9	<0.1	<1	<0.5		<10	<0.5							*0.64*			*0.19*			
B-925U	07-10-2018	N	1337.02	6.96	118	12	<0.1	1.1	1		<10	<0.5	<0.001	<0.0005	0.012	<0.001	<0.001	<0.001	0.11		<0.001	*0.067*		<0.001	<0.001
B-925U	11-06-2018	N	1334.39	6.97	61	7.2	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-925U	04-23-2019	N	1333.04																						
B-925U	07-09-2019	N	1338.08																						
B-925U	11-05-2019	N	1335.30																						
B-925U	04-21-2020	N	1335.86	7.51	78	7.1	<0.1	<1	<0.5		<10	<0.5							0.064			<0.005			
B-925U	07-16-2020	N	1337.06	7.68	70	9.8	<0.1	<1	<0.5		<10	<0.5	<0.001	<0.0005	0.025	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-925U	11-04-2020	N	1334.63	7.62	58	6.2	<0.1	<1	<0.5		<10	<0.5							0.065			<0.005			
B-925U	04-20-2021	N	1334.44																						
B-925U	07-07-2021	N	1335.38																						
B-925U	11-02-2021	N	1333.26																						
B-925U	04-20-2022	N	1332.50	6.95	65	5.6	<0.1	<1	<0.5		<10	0.58							<0.05			<0.005			
B-925U	07-12-2022	N	1334.17	6.5	60	11.6	<0.1	<1	<0.5		<10	<0.5	<0.001	<0.0005	0.0082	<0.001	<0.001	0.0014	0.16		<0.001	0.0059		0.0021	<0.001
B-925U	11-02-2022	N	1331.98	6.73	61	7.6	<0.1	<1	<0.5		<10	<0.5							*0.41*			0.015			
B-925U	04-19-2023	N	1334.70																						
B-925U	07-12-2023	N	1336.08																						
B-925U	11-06-2023	N	1337.20																						
B-925U	04-15-2024	N	1343.03	6.89	70	7.5	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-925U	07-23-2024	N	1340.13	7.54	67	8.7	<0.1	1.4	<0.5	2.4	<10	<0.5	<0.001	<0.0005	0.0033	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-925L	11-08-2016	N	1317.81	7.53	253	8	<0.1	7	<0.5		24	<0.5							<0.05			0.029			
B-925L	12-01-2016	N	1317.77																						
B-925L	01-04-2017	N	1317.64																						
B-925L	02-02-2017	N	1317.21																						
B-925L	03-02-2017	N	1317.19																						
B-925L	04-05-2017	N	1317.02	8.19	186	6.4	<0.1	4	<0.5		20	<0.5							<0.05			0.021			
B-925L	07-25-2017	N	1318.25																						
B-925L	11-08-2017	N	1318.05																						
B-925L	04-25-2018	N	1318.26																						
B-925L	07-10-2018	N	1319.09	*8.98*	160	12.7	<0.1	1.8	<0.5		14	<0.5							<0.05			0.0058			
B-925L	11-06-2018	N	1318.23																						
B-925L	04-23-2019	N	1317.79																						
B-925L	07-09-2019	N	1319.03																						
B-925L	11-05-2019	N	1318.44																						
B-925L	04-21-2020	N	1318.70																						
B-925L	07-16-2020	N	1318.99	*8.69*	109	10	<0.1	1.1	<0.5		<10	<0.5							<0.05			0.022			
B-925L	11-04-2020	N	1318.14																						
B-925L	04-20-2021	N	1318.05																						
B-925L	07-07-2021	N	1318.12																						
B-925L	11-02-2021	N	1317.39																						
B-925L	04-20-2022	N	1317.12																						

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			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-925L	07-13-2022	N	1317.78	7.75	125	9.1	<0.1	1.3	<0.5		<10	<0.5							0.08			0.036			
B-925L	11-02-2022	N	1316.99																						
B-925L	04-19-2023	N	1317.92																						
B-925L	07-12-2023	N	1318.35																						
B-925L	11-06-2023	N	1318.89																						
B-925L	04-15-2024	N	1320.31																						
B-925L	07-23-2024	N	1320.24	7.75	122	9.1	<0.1	1.3	<0.5		<10	<0.5							0.17			*0.072*			
B-926U	11-08-2017	N	1309.75	6.56	357	7.6	0.1	60	<0.5		<10	<0.5							<0.05			***2.1***			
B-926U	04-24-2018	N	1310.95	*5.26*	299	12.3	0.22	66	<0.5		<10	<0.5							<0.05			***3.8***			
B-926U	07-10-2018	N	1310.55	*5.21*	367	13	0.14	84	<0.5		14	<0.5							0.055			***5.7***			
B-926U	11-06-2018	N	1307.79	*6.24*	147	9.2	<0.1	34	<0.5		15	<0.5							0.07			***0.94***			
B-926U	04-23-2019	N	1308.41	*5.69*	125	8.9	<0.1	12	<0.5		<10	<0.5							<0.05			***0.88***			
B-926U	07-09-2019	N	1310.36	*5.52*	174	10.4	<0.1	20	<0.5		11	<0.5	<0.001	0.00071 U	0.014	<0.001	<0.001	<0.001	<0.05		<0.001	***3***		<0.001	<0.001
B-926U	11-05-2019	N	1309.45	*6.06*	192	8.8	<0.1	31	<0.5		17	<0.5							0.1			***2.2***			
B-926U	04-21-2020	N	1309.31	*5.96*	179	8	<0.1	24	<0.5		28	1							0.065			***2.2***			
B-926U	07-15-2020	N	1308.40	6.51	186	10.5	<0.1	18	<0.5		48	1.4							0.14			***2.7***			
B-926U	11-02-2020	N	1306.88	*6.41*	195	5.9	<0.1	29	<0.5		33	1							<0.05			***2.6***			
B-926U	04-20-2021	N	1307.54	*6.03*	216	8.4	0.11	14	<0.5		24	1							<0.05			***4.2***			
B-926U	07-06-2021	N	1301.19	*6.02*	273	14.7	0.14	14	<0.5		32	0.84	<0.001	0.001	0.0095	<0.001	<0.001	<0.001	0.057		<0.001	***4.9***		<0.001	<0.001
B-926U	09-29-2021	N	1306.41																						
B-926U	11-02-2021	N	1306.15	*6.1*	226	8.4	<0.1	25	<0.5		16	0.76							<0.05			***4.9***			
B-926U	02-22-2022	N	1305.41																						
B-926U	04-18-2022	N	1306.86																						
B-926U	04-20-2022	N	1306.95	*6.21*	244	7.2	0.12	13	<0.5		11	<0.5							<0.05			***4.2***			
B-926U	06-08-2022	N	1307.44																						
B-926U	07-12-2022	N	1306.58	*5.73*	264	11.1	<0.1	12	<0.5		<10	<0.5							<0.05			***3.9***			
B-926U	11-01-2022	N	1305.15	*6.08*	172	10.6	<0.1	11	<0.5		<10	<0.5							<0.05			***2.6***			
B-926U	04-18-2023	N	1306.97	*6.04*	254	9.1	0.2	8.5	<0.5		<10	<0.5							<0.05			***3.1***			
B-926U	07-12-2023	N	1307.45	*5.94*	250	11.5	0.13	5.3	<0.5		12	<0.5	<0.001	<0.0005	0.0088	<0.001	<0.001	<0.001	<0.05		<0.001	***2.5***		<0.001	<0.001
B-926U	11-06-2023	N	1307.43	*6.15*	250	8.7	0.19	4.3	<0.5		21	<0.5							<0.05			***2.3***			
B-926U	04-16-2024	N	1309.43	*6.35*	203	7.9	<0.1	3	<0.5		14	<0.5							<0.05			***2.2***			
B-926U	07-23-2024	N	1308.75	*5.87*	242	10.6	0.12	3.9	<0.5		18	<0.5							<0.05			***4***			
B-926L	11-08-2017	N	1301.77	*6.2*	340	8	<0.1	60	<0.5		<10	<0.5							<0.05			<0.005			
B-926L	04-24-2018	N	1301.94	*6.27*	287	13.2	<0.1	62	<0.5		<10	<0.5							<0.05			<0.005			
B-926L	07-10-2018	N	1302.62	6.5	323	12.8	<0.1	63	<0.5		<10	<0.5							<0.05			<0.005			
B-926L	11-06-2018	N	1301.49	*6.47*	254	8	<0.1	62	<0.5		<10	<0.5							<0.05			<0.005			
B-926L	04-23-2019	N	1301.50	*6.31*	299	8.7	<0.1	64	<0.5		<10	<0.5							<0.05			<0.005			
B-926L	07-09-2019	N	1302.61	*5.96*	321	10.5	<0.1	68	<0.5		<10	<0.5	<0.001	<0.0005	0.032	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.0012	<0.001
B-926L	11-05-2019	N	1301.96	*6.24*	321	8.3	<0.1	61	<0.5		<10	<0.5							<0.05			<0.005			
B-926L	04-21-2020	N	1302.47	6.63	309	8.4	<0.1	58	<0.5		<10	<0.5							<0.05			<0.005			
B-926L	07-15-2020	N	1302.28	6.52	301	9.5	<0.1	60	<0.5		<10	<0.5							<0.05			<0.005			
B-926L	11-02-2020	N	1301.61	*6.49*	275	7.1	<0.1	56	<0.5		<10	<0.5							<0.05			<0.005			
B-926L	04-20-2021	N	1301.40	*6.22*	257	8.6	<0.1	52	<0.5		<10	<0.5							<0.05			<0.005			
B-926L	07-06-2021	N	1307.60	*6.28*	298	9.5	<0.1	54	<0.5		<10	<0.5	<0.001	<0.0005	0.028	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-926L	09-29-2021	N	1300.73																						
B-926L	11-02-2021	N	1300.48	*6.33*	244	7.7	<0.1	46	<0.5		<10	0.75							<0.05			<0.005			

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-926L	04-20-2022	N	1300.53	*6.19*	291	7	<0.1	47	0.56		<10	<0.5							<0.05			<0.005			
B-926L	07-12-2022	N	1300.88	*6.01*	258	11.4	<0.1	45	<0.5		<10	<0.5							<0.05			<0.005			
B-926L	11-01-2022	N	1300.39	*6.16*	251	9	<0.1	43	<0.5		<10	<0.5							<0.05			<0.005			
B-926L	04-18-2023	N	1301.39	*6.38*	254	8.6	<0.1	42	<0.5		<10	<0.5							<0.05			<0.005			
B-926L	07-12-2023	N	1301.73	*6.38*	257	11	<0.1	41	<0.5		<10	<0.5	<0.001	<0.0005	0.019	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.0017	<0.001
B-926L	11-06-2023	N	1302.06	*6.3*	236	7.9	<0.1	38	<0.5		<10	<0.5							<0.05			<0.005			
B-926L	04-16-2024	N	1303.29	*6.16*	198	7.9	<0.1	32	0.54		<10	<0.5							<0.05			<0.005			
B-926L	07-23-2024	N	1301.23	*6.19*	222	9.2	<0.1	30	<0.5		<10	<0.5							<0.05			<0.005			
B-927U	11-07-2017	N	1300.71	7.06	439	9.6	<0.1	26	2		<10	<0.5	<0.001	0.0008	0.036	<0.001	<0.001	0.004	<0.05		<0.001	***0.34***		0.003	<0.001
B-927U	04-24-2018	N	1301.19	*6.19*	264	17.8	<0.1	33	2.8		12	<0.5							0.13			*0.12*			
B-927U	07-09-2018	N	1301.88	*5.53*	315	20.4	<0.1	34	3.1		<10	<0.5							<0.05			0.034			
B-927U	11-06-2018	N	1300.31	*6.48*	255	11.7	<0.1	44	3.1		<10	<0.5							<0.05			0.031			
B-927U	04-22-2019	N	1302.28																						
B-927U	08-05-2019	N	1301.79	*5.97*	584	14	<0.1	40	2.4		<10	<0.5	<0.001	<0.0005	0.028	<0.001	<0.001	<0.001	<0.05		<0.001	0.011		0.0015	<0.001
B-927U	11-04-2019	N	1301.26	*6.25*	351	10.7	<0.1	50	2.4		<10	<0.5							<0.05			0.0065			
B-927U	04-20-2020	N	1302.24	*6.08*	482	11.9	<0.1	63	2.5		<10	<0.5							<0.05			0.0087			
B-927U	07-13-2020	N	1302.09	*6.35*	332	18	<0.1	60	1.9		<10	<0.5							*0.73*			0.027			
B-927U	11-02-2020	N	1300.79	6.9	350	7.8	<0.1	61	1.7		<10	<0.5							<0.05			0.0087			
B-927U	04-19-2021	N	1301.02	*6.23*	423	13.5	<0.1	66	1.1		<10	<0.5							<0.05			0.0073			
B-927U	07-05-2021	N	1300.98	6.63	567	14.6	<0.1	72	1.6		<10	<0.5	<0.001	<0.0005	0.034	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.003	<0.001
B-927U	09-29-2021	N	1300.10																						
B-927U	11-01-2021	N	1299.60	*6.17*	331	12.8	<0.1	57	0.72		<10	<0.5							0.25			0.016			
B-927U	02-22-2022	N	1299.09																						
B-927U	04-18-2022	N	1299.45	*6.2*	470	13.6	<0.1	55	0.61		<10	<0.5							<0.05			<0.005			
B-927U	06-08-2022	N	1300.07																						
B-927U	07-11-2022	N	1299.76	*6*	412	15.1	<0.1	54	0.56		<10	<0.5							0.11			0.0068			
B-927U	11-01-2022	N	1298.65	*6.21*	334	15.4	<0.1	48	<0.5		<10	<0.5							<0.05			<0.005			
B-927U	04-18-2023	N	1299.79	*6.45*	356	10.6	<0.1	54	0.54		<10	<0.5							<0.05			<0.005			
B-927U	07-11-2023	N	1300.21	*6.29*	387	16.5	<0.1	58	0.68		<10	<0.5	<0.001	<0.0005	0.032	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.0025	<0.001
B-927U	11-06-2023	N	1300.87	*6.16*	406	10.9	<0.1	63	1.1		<10	<0.5							<0.05			<0.005			
B-927U	04-15-2024	N	1303.18	6.63	406	11.2	<0.1	64	2.1		<10	<0.5							<0.05			0.0054			
B-927U	07-22-2024	N	1303.66	*6.01*	359	16.7	<0.1	51	2.6		<10	<0.5							<0.05			<0.005			
B-927M	11-07-2017	N	1297.14	7.25	93	14	<0.1	2	<0.5		47	<0.5	<0.001	**0.0066**	0.031	<0.001	<0.001	<0.001	*2.1*		0.003	*0.2*		0.002	<0.001
B-927M	04-24-2018	N	1298.14	6.51	96	19.4	<0.1	2.6	<0.5		48	0.65							*2.5*			*0.22*			
B-927M	07-09-2018	N	1298.85	*6.27*	110	18.1	<1	<10	<0.5		64	<0.5							*0.87*			*0.15*			
B-927M	11-06-2018	N	1297.45	6.52	89	12.1	<0.1	2.6	<0.5		73	<0.5							0.22		<0.001	*0.099*			
B-927M	04-22-2019	N	1301.79																						
B-927M	08-05-2019	N	1299.53	6.91	125	15.8	<0.1	3.1	<0.5		84	<0.5	<0.001	0.0043	0.028	<0.001	<0.001	<0.001	*3.5*		<0.001	*0.22*		0.0016	<0.001
B-927M	11-04-2019	N	1298.05	6.83	102	14.4	<0.5	5.3	<3		58	<0.5							*2.4*			*0.2*			
B-927M	04-20-2020	N	1298.86	6.95	114	14.3	<0.1	3.2	<0.5		54	<0.5							*3.2*			*0.21*			
B-927M	07-13-2020	N	1298.91	6.92	91	22.8	<0.1	3.4	<0.5		79	<0.5							*2.4*			*0.23*			
B-927M	11-02-2020	N	1297.96	7.12	107	13.1	<0.1	3.8	<0.5		57	<0.5							*3.6*			*0.22*			
B-927M	04-19-2021	N	1298.10	7.07	130	16.6	<0.1	4	<0.5		42	<0.5							*3.6*			*0.23*			
B-927M	07-05-2021	N	1298.26	7.2	128	17	<0.1	3.8	<0.5		44	<0.5	<0.001	**0.0051**	0.027	<0.001	<0.001	<0.001	*4.9*		<0.001	*0.25*		0.0028	<0.001
B-927M	09-29-2021	N	1297.14																						
B-927M	11-01-2021	N	1296.81	6.96	109	15.5	<0.1	3.5	<0.5		16	<0.5							*4.1*			*0.25*			

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Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-927M	04-18-2022	N	1296.95	6.94	144	14.4	<0.1	3.5	<0.5		63	0.91							*2.1*			*0.23*			
B-927M	07-11-2022	N	1297.14	6.94	167	17.9	<0.1	3.5	<0.5		62	<0.5							*3.5*			*0.23*			
B-927M	11-01-2022	N	1296.32	7.19	134	17	<0.1	3.4	<0.5		66	<0.5							*3.6*			*0.25*			
B-927M	04-18-2023	N	1297.46	7.37	140	14.4	<0.1	3.6	<0.5		48	0.68							*3.3*			*0.26*			
B-927M	07-11-2023	N	1297.76	7.06	153	20.2	<0.1	3.4	<0.5		61	0.61	<0.001	**0.0056**	0.041	<0.001	<0.001	<0.001	*3.6*		<0.001	*0.26*		0.0053	<0.001
B-927M	11-06-2023	N	1298.10	6.93	135	16.6	<0.1	3.8	<0.5		73	<0.5							*2.5*			*0.2*			
B-927M	04-15-2024	N	1300.07	7.07	150	15.2	<0.1	3.8	<0.5		44	0.53							*4.3*			*0.28*			
B-927M	07-22-2024	N	1300.13	6.67	170	19.1	<0.1	4.2	<0.5		41	<0.5							*3*			*0.2*			
B-927L	11-07-2017	N	1291.09	8.36	120	10.5	<0.1	2	<0.5		10	<0.5							<0.05			0.048			
B-927L	04-24-2018	N	1291.47																						
B-927L	07-09-2018	N	1291.60	7.17	108	14.8	<0.1	1.5	<0.5		<10	<0.5							0.14			*0.23*			
B-927L	11-06-2018	N	1291.05																						
B-927L	04-22-2019	N	1290.82																						
B-927L	08-05-2019	N	1291.20																						
B-927L	11-04-2019	N	1291.01																						
B-927L	04-20-2020	N	1291.46																						
B-927L	07-13-2020	N	1291.48	7.28	92	14.4	<0.1	1.2	<0.5		19	<0.5							0.053			*0.25*			
B-927L	11-02-2020	N	1291.07																						
B-927L	04-19-2021	N	1290.80																						
B-927L	07-05-2021	N	1290.56																						
B-927L	09-29-2021	N	1290.14																						
B-927L	11-01-2021	N	1290.02																						
B-927L	04-18-2022	N	1290.15																						
B-927L	07-11-2022	N	1290.24	7.11	115	16.1	<0.1	1.4	<0.5		18	<0.5							*1.9*			*0.3*			
B-927L	11-01-2022	N	1290.14																						
B-927L	04-18-2023	N	1291.01																						
B-927L	07-11-2023	N	1291.29																						
B-927L	11-06-2023	N	1291.58																						
B-927L	04-15-2024	N	1292.66																						
B-927L	07-22-2024	N	1292.61	7.22	103	16.7	<0.1	1.7	<0.5		11	<0.5							0.16			*0.17*			
B-928U	09-29-2021	N	1285.42	*6.32*	238	9.8	0.11	29	0.65		<10	<0.5	<0.001	<0.0005	0.019	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-928U	11-01-2021	N	1283.92	6.63	197	9.7	<0.1	29	0.71		<10	<0.5	<0.001	<0.0005	0.017	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-928U	02-22-2022	N	1285.38	6.7	253	9.2	0.12	32	1.5		<10	<0.5	<0.001	<0.0005	0.019	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-928U	04-18-2022	N	1288.64	*6.2*	211	11.3	0.11	25	1.3		<10	<0.5	<0.001	<0.0005	0.018	<0.001	<0.001	0.0018	<0.05		0.0026	<0.005		0.002	<0.001
B-928U	06-08-2022	N	1289.58	*6.21*	305	13.6	<0.1	20	1.4		<10	<0.5	<0.001	<0.0005	0.018	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.0021	<0.001
B-928U	07-11-2022	N	1288.54																						
B-928U	11-02-2022	N	1286.30	6.51	216	10.8	<0.1	22	1.5		<10	<0.5	<0.001	<0.0005	0.016	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-928U	04-18-2023	N	1289.30	6.5	151	9.2	<0.1	9.2	0.61		<10	<0.5							<0.05			<0.005			
B-928U	07-11-2023	N	1288.73	*6.24*	158	12.5	<0.1	10	0.92		<10	<0.5	<0.001	<0.0005	0.012	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-928U	11-06-2023	N	1288.60	*6.43*	157	9.5	<0.1	9.7	0.82		<10	<0.5							<0.05			<0.005			
B-928U	04-15-2024	N	1290.11	6.51	159	9.8	<0.1	11	1.1		<10	<0.5							<0.05			<0.005			
B-928U	07-22-2024	N	1289.03	*5.8*	156	11.9	<0.1	9.9	0.87	13	<10	<0.5		<0.0005	0.0094		<0.001	<0.001	<0.05		<0.001	<0.005			
B-928D	09-29-2021	N	1281.83	6.52	308	10.5	0.16	35	0.8		<10	<0.5	<0.001	<0.0005	0.023	<0.001	<0.001	<0.001	<0.05		<0.001	0.034		0.0017	<0.001
B-928D	11-01-2021	N	1281.14	*6.31*	259	10.4	0.18 U	37	0.7		<10	<0.5	<0.001	<0.0005	0.023	<0.001	<0.001	<0.001	0.19		<0.001	0.018		0.0014	<0.001

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Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-928D	02-22-2022	N	1282.05	*6*	295	10.3	0.16	36	1.2		<10	<0.5	<0.001	<0.0005	0.02	<0.001	<0.001	0.002	<0.05		<0.001	<0.005		<0.001	<0.001
B-928D	04-18-2022	N	1283.95	*6.4*	306	10.7	0.21	39	1.2		<10	<0.5	<0.001	<0.0005	0.02	<0.001	<0.001	0.0013	<0.05		<0.001	<0.005		<0.001	<0.001
B-928D	06-08-2022	N	1284.93	*6.22*	312	12.4	0.18	35	1.5		<10	<0.5	<0.001	<0.0005	0.019	<0.001	<0.001	0.0011	0.13		<0.001	0.006		0.0023	<0.001
B-928D	07-11-2022	N	1284.29																						
B-928D	11-02-2022	N	1282.34	*6.28*	283	10.8	0.16	31	1.3		<10	0.64	<0.001	<0.0005	0.017	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-928D	04-18-2023	N	1284.88	6.72	233	9.6	<0.1	20	0.94		<10	<0.5							<0.05			<0.005			
B-928D	07-11-2023	N	1284.46	6.76	220	13.3	<0.1	14	1		<10	<0.5	<0.001	<0.0005	0.012	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		0.0014	<0.001
B-928D	11-06-2023	N	1284.49	6.58	206	9.6	<0.1	14	1		<10	<0.5							<0.05			<0.005			
B-928D	12-15-2023	N	1283.99	7.15	202	9.9																			
B-928D	04-15-2024	N	1285.70	6.71	178	9.8	<0.1	12	1.1		<10	<0.5							<0.05			<0.005			
B-928D	07-22-2024	N	1284.97	*6.34*	190	13.2	<0.1	11	0.91	13	<10	<0.5		<0.0005	0.011		<0.001	<0.001	<0.05		<0.001	<0.005			
B-929U	11-02-2022	N	1332.93																						
B-929U	12-01-2022	N	1332.52	*5.29*	68	3.86	<0.1	1.2	1.6	6.2	<10	<0.5	<0.001	<0.0005	0.01	<0.001	<0.001	0.0011	<0.05		<0.001	0.0099		<0.001	<0.001
B-929U	03-20-2023	N	1333.52	6.57	84	7.7	<0.1	1.8	1.9	7	<10	<0.5	<0.001	<0.0005	0.0065	<0.001	<0.001	0.0013	<0.05		<0.001	<0.005		<0.001	<0.001
B-929U	04-19-2023	N	1333.67																						
B-929U	07-12-2023	N	1334.15	6.76	88	11.9	<0.1	1.5	2.6		<10	<0.5	<0.001	<0.0005	0.01	<0.001	<0.001	0.0013	<0.05		<0.001	<0.005		<0.001	<0.001
B-929U	11-07-2023	N	1335.67	*6.21*	84	7.4	<0.1	1.4	3		<10	<0.5							<0.05			<0.005			
B-929U	04-15-2024	N	1336.05	7.05	85	8	<0.1	1.1	3.2		<10	<0.5							<0.05			<0.005			
B-929U	07-23-2024	N	1337.02	6.96	84	9.1	<0.1	1.2	2.3		<10	<0.5							<0.05			<0.005			
B-929L	11-02-2022	N	1328.95																						
B-929L	12-01-2022	N	1329.02	*6.47*	101	5.59	<0.1	1.6	1.4	6.8	15	<0.5	<0.001	0.00051	0.015	<0.001	<0.001	<0.001	<0.05		<0.001	0.046		<0.001	<0.001
B-929L	03-20-2023	N	1329.12	6.93	83	7.1	<0.1	1.7	1.3	6.9	<10	<0.5	<0.001	<0.0005	0.009	<0.001	<0.001	0.0012	0.091		<0.001	0.0095		<0.001	<0.001
B-929L	04-19-2023	N	1326.74																						
B-929L	07-12-2023	N	1327.81																						
B-929L	11-07-2023	N	1330.14																						
B-929L	04-15-2024	N	1330.91																						
B-929L	07-23-2024	N	1331.93	7.02	79	11.1	<0.1	1.8	0.51		<10	<0.5							<0.05			<0.005			
B-930U	12-01-2022	N	1334.60	7.32	87	5.87	<0.1	1.3	<0.5	7.6	<10	<0.5	<0.001	<0.0005	0.013	<0.001	<0.001	0.0012	0.089		<0.001	0.018		<0.001	<0.001
B-930U	03-20-2023	N	1334.36	7.26	96	6.5	<0.1	<1	<0.5	7.7	<10	<0.5	<0.001	<0.0005	0.0084	<0.001	<0.001	0.0019	<0.05		<0.001	<0.005		<0.001	<0.001
B-930U	04-19-2023	N	1334.55																						
B-930U	07-12-2023	N	1335.20	6.76	99	12.9	<0.1	<1	<0.5		<10	<0.5	<0.001	<0.0005	0.008	<0.001	<0.001	0.0018	<0.05		<0.001	0.0065		<0.001	<0.001
B-930U	11-07-2023	N	1336.52	7.14	99	8.4	<0.1	<1	<0.5		<10	<0.5							<0.05			0.0067			
B-930U	04-15-2024	N	1336.46	6.7	96	7.4	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-930U	07-23-2024	N	1337.01	7.01	94	10.2	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005			
B-930L	12-01-2022	N	1307.68	7.99	102	5.73	<0.1	<1	<0.5	5.7	<10	<0.5	<0.001	**0.0051**	0.013	<0.001	<0.001	<0.001	<0.05		<0.001	*0.099*		<0.001	<0.001
B-930L	03-20-2023	N	1308.26	7.72	113	6.4	<0.1	<1	<0.5	4.7	<10	<0.5	<0.001	**0.0051**	0.0096	<0.001	<0.001	<0.001	<0.05		<0.001	*0.071*		<0.001	<0.001
B-930L	04-19-2023	N	1308.34																						
B-930L	07-12-2023	N	1308.64																						
B-930L	11-07-2023	N	1309.56																						
B-930L	04-15-2024	N	1310.70																						
B-930L	07-23-2024	N	1311.28	7.27	103	10.3	<0.1	1.5	<0.5		<10	<0.5							<0.05			0.017			
B-931U	11-02-2022	N	1304.54																						

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																						
			ft	SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Groundwater Elevation	pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Sulfate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Silver
		Fraction	N	N	N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	T	D	D	T	D	D
		GW-1 (AGQS)							10	500			0.006	0.005	2	0.004	0.005	0.1			0.015	0.3	0.3	0.1	0.1
		SMCL		6.5-8.5				250		250									0.3	0.3		0.05	0.05		0.1
B-931U	12-01-2022	N	1304.55	7.14	79	6.61	<0.1	2	<0.5	5.7	<10	<0.5	<0.001	0.00051	0.0089	<0.001	<0.001	<0.001	0.11		<0.001	0.0076		<0.001	<0.001
B-931U	03-20-2023	N	1305.01	7.62	95	7.1	<0.1	1.9	<0.5	5.9	<10	<0.5	<0.001	0.00068	0.0035	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001
B-931U	04-19-2023	N	1305.17																						
B-931U	07-12-2023	N	1305.48	7.29	87	14.1	<0.1	1.9	<0.5		<10	<0.5		0.00052	0.0033		<0.001	<0.001	<0.05		<0.001	0.0092			
B-931U	11-07-2023	N	1306.23	6.95	84	9.2	<0.1	1.7	<0.5		<10	<0.5		<0.0005					<0.05			<0.005			
B-931U	04-15-2024	N	1307.85	6.98	84	8	<0.1	1.6	<0.5		<10	<0.5		<0.0005					<0.05			0.006			
B-931U	07-23-2024	N	1308.16	7.48	85	12.4	<0.1	1.5	<0.5		<10	<0.5							<0.05			<0.005			
B-931L	11-02-2022	N	1304.40																						
B-931L	12-01-2022	N	1304.49	7.02	86	7.26	<0.1	2.2	<0.5	9.5	<10	<0.5	<0.001	<0.0005	0.013	<0.001	<0.001	<0.001	<0.05		<0.001	*0.17*		<0.001	<0.001
B-931L	03-20-2023	N	1305.00	7.27	107	5.6	<0.1	2.1	<0.5	7.7	<10	<0.5	<0.001	<0.0005	0.0077	<0.001	<0.001	<0.001	<0.05		<0.001	*0.065*		<0.001	<0.001
B-931L	04-19-2023	N	1305.17																						
B-931L	07-12-2023	N	1305.58	7.38	92	11.7	<0.1	1.9	<0.5		<10	<0.5		<0.0005	0.0067		<0.001	<0.001	<0.05		<0.001	*0.06*			
B-931L	11-07-2023	N	1306.37																						
B-931L	04-15-2024	N	1307.55																						
B-931L	07-23-2024	N	1307.97	7.32	88	11.9	<0.1	1.6	<0.5		<10	<0.5							<0.05			0.012			
B-932U	07-02-2024	N	1276.91																						
B-932U	07-22-2024	N	1277.09	6.72	87	12.2	<0.1	6	<0.5	13	<10	<0.5	<0.001	<0.0005	0.0099	<0.001	<0.001	<0.001	<0.05		<0.001	*0.081*		<0.001	<0.001
B-932L	07-02-2024	N	1277.19																						
B-932L	07-22-2024	N	1275.99	7.54	157	12.3	<0.1	3.5	<0.5	9.1	<10	<0.5	<0.001	0.0015	0.0083	<0.001	<0.001	0.0014	<0.05		<0.001	0.019		<0.001	<0.001

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

| Sample Location | Sample Date | Sample Type | Volatile Organic Compounds | | |

Appendix B.3

Surface Water Analytical Results

TABLE B.3
Summary of Monitoring Data – Surface Water Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																	Volatile Organic Compounds																
			SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Arsenic	Barium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Acetone	Benzene	Butanone (2-) (MEK)	Dichlorodifluoromethane (CFC12)	Dichloroethane (1,1-)	Dioxane (1,4-)	Ethylbenzene	Hexanone (2-)	Isopropyltoluene (p-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethene (TCE)	Xylene (m,p-)	Xylene (o-)	Xylenes (total)
		Fraction	N	N	N	N	N	N	N	N	T	T	T	T	D	T	T	D	T	T	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Aquatic Life Fresh Acute					860				0.34[d,i]											5300		11000			32000				11000	5280		17500	45000			
		Aquatic Life Fresh Chronic					230				0.15[d,i]				1	1															840			21900			
		Human Health Water & Fish						10			0.000018[b,c]	1	[l]	[l] [l]	0.3[j]	0.3[j]		0.05[j]	0.05[j]	0.61		2.2		6900			530				20	10		1300	2.5			
		Human Health Fish Only									0.00014[b,c]							0.1	0.1	4.6		58		570000			2100				1000	29		15000	30			
		GW-1 (AGQS)						10			0.005	2	0.005	0.1			0.015	0.3	0.3	0.1	6000	5	4000	1000	81	0.32	700		260	2000	5	5	600	1000	5	10000	10000	10000
Seep S-1	09-17-1984	N	6.7				1		<50							*3.9*			***0.62***															Tr				
Seep S-1	09-27-1984	N	6.6				17		<50							*12*			***2.5***																		
Seep S-1	02-15-1985	N					12									*4.1*			***10***		78	Tr	260								5			60				
Seep S-1	06-24-1985	N					7									*50*			***8.7***		90		240		5		Tr						Tr	70				Tr
Seep S-1	09-13-1985	N					5		44							*29*			***4.8***		90		120											20				Tr
Seep S-1	02-26-1986	N		210			9.3		50							*24*			***5.9***						Tr									43				
Seep S-1	06-05-1986	N					12		78							*66*			***11***				150		6		Tr						Tr	57				Tr
Seep S-1	11-15-1986	N	5.8				1.5		55							*3.6*			***1.4***																			
Seep S-1	03-03-1987	N	6.5				1.2		<20							*1.4*			***0.39***																			
Seep S-1	06-11-1987	N	6.8	80	13.3		0.97		5.8							*2.6*			***0.58***																			
Seep S-1	09-21-1987	N	6.5	90	9		1.4		6.5							*2.2*			***0.49***															40				
Seep S-1	12-29-1987	N	5.7	90	0.5		1.2		8.6							*2.7*			***0.61***																			
Seep S-1	03-29-1988	N					1		5							*1.5*			***0.36***																			
Seep S-1	07-13-1988	N	6.7	116	15.9		1.2		26							0.1			0.028																			
Seep S-1	10-17-1988	N	6.4	132	10.9		<2		<5							*2*			***0.43***															7				
Seep S-1	12-20-1988	N	6.7	640	7.7		8.2		110							*82*			***8.1***		140				Tr		Tr			8				69				
Seep S-1	04-26-1989	N	6.2	166	7.4		6.7		24							*13*			***1.6***															Tr				
Seep S-1	07-27-1989	N	6	146	13.8		3		7							*11*			***1.2***																			
Seep S-1	10-26-1989	N	6.4	139	7.6		<1		7		<0.01		<0.005	<0.01		*17*	<0.005		***1.6***																			
Seep S-1	02-06-1990	N	6.5	57	4.7		6.5		230		***0.02***		<0.005	<0.01		*110*	*0.005*		***7.4***		25				Tr									38				
Seep S-1	05-23-1990	N	7	268	7.3		2.8		17		<0.01		<0.005	<0.01		*36*	<0.005		***2.9***															9				
Seep S-1	08-29-1990	N	8.05	253	16		2.6		41		<0.01		<0.005	<0.01		*30*	<0.005		***2.6***															10				
Seep S-1	12-03-1990	N	6.11	264	16		2		22		<0.01		<0.005	<0.01		*28*	<0.005		***2.7***		39													12				
Seep S-1	02-28-1991	N	7.5	128	7.4		3		<5		<0.01		<0.005	<0.01		*0.48*	<0.005		0.009																			
Seep S-1	07-08-1991	N	6.2	156			3.5		<5		<0.01		<0.005	<0.01		*0.78*	<0.005		***0.44***																			
Seep S-1	09-09-1991	N	6.8	68	19.8		2		<10		<0.01		<0.001	<0.002		<0.01	<0.01		0.006																			
Seep S-1	01-02-1992	N	6.3	248	2.6		7		10		<0.01		<0.001	<0.002		*30*	<0.01		***2.3***															5				
Seep S-1	03-19-1992	N	6.3	13000			4		50		<0.05		<0.005	<0.01		*49*	<0.05		***3***		30		50				1							24				3
Seep S-1	04-10-1992	N	6.6	317	14		23		56		<0.01		**0.009**	<0.002		*56*	<0.01		***3.5***																			
Seep S-1	05-26-1992	N					2		<10		<0.01		<0.001	<0.002		*0.67*	<0.01		*0.14*																			
Seep S-1	07-08-1992	N	6.6	176	13.4		3		<10		<0.01		<0.001	<0.002		*29*	<0.01		***1.8***		20													7				
Seep S-1	09-14-1992	N	5.8	79			2		<10		<0.01		<0.001	<0.002		*1.2*	<0.01		*0.12*																			
Seep S-1	10-07-1992	N					3		25		<0.01		<0.001	<0.002		0.04	<0.01		<0.005															12				1
Seep S-1	11-20-1992	N	5.7	31			2	<0.5	<10	<0.2	<0.01	<0.05	<0.001	<0.002		*2.3*	<0.01		*0.23*																			
Seep S-1	12-17-1992	N					3	0.6	13	<0.5	<0.01	<0.05	<0.001	<0.002		*5.5*	<0.01		***0.7***																			
Seep S-1	01-11-1993	N	5.8	79			2	<0.5	55	<0.5						*0.96*			*0.17*																			
Seep S-1	02-09-1993	N	5.5	79			2	<0.5	<10	<0.5	<0.01	0.06	<0.001	<0.002		*5.2*	<0.01		*0.22*																			
Seep S-1	03-31-1993	N	5.7	77			2	0.8	<10	<0.5	<0.01	<0.05	<0.001	<0.002		0.15	<0.01		*0.28*																			

TABLE B.3
Summary of Monitoring Data – Surface Water Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																	Volatile Organic Compounds																
			SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Arsenic	Barium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Acetone	Benzene	Butanone (2-) (MEK)	Dichlorodifluoromethane (CFC12)	Dichloroethane (1,1-)	Dioxane (1,4-)	Ethylbenzene	Hexanone (2-)	Isopropyltoluene (p-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethene (TCE)	Xylene (m,p-)	Xylene (o-)	Xylenes (total)
		Fraction	N	N	N	N	N	N	N	N	T	T	T	T	D	T	T	D	T	T	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Aquatic Life Fresh Acute					860				0.34[d,i]											5300		11000			32000				11000	5280		17500	45000			
		Aquatic Life Fresh Chronic					230				0.15[d,i]				1	1															840			21900			
		Human Health Water & Fish						10			0.000018[b,c]	1	[l]	[l] [l]	0.3[j]	0.3[j]		0.05[j]	0.05[j]	0.61		2.2		6900			530				20	10		1300	2.5			
		Human Health Fish Only									0.00014[b,c]							0.1	0.1	4.6		58		570000			2100				1000	29		15000	30			
		GW-1 (AGQS)						10			0.005	2	0.005	0.1			0.015	0.3	0.3	0.1	6000	5	4000	1000	81	0.32	700		260	2000	5	5	600	1000	5	10000	10000	10000
Seep S-1	04-15-1993	N	6.7	111	5.8		2	<0.5	<10	<0.5						0.09			<0.005		<50		<10		<2		<1	<10					<1				<1
Seep S-1	06-03-1993	N	6	91			2	<0.5	<10	<0.5						*4.2*			***0.39***		<50		<10		<2		<1	<10					<1				<1
Seep S-1	06-22-1993	N	6	85			2	<0.5	<10	<0.5						*2.4*			*0.28*		<50		<10		<2		<1	<10					<1				<1
Seep S-1	07-15-1993	N					3	<0.5	11	<0.5						*0.65*			*0.13*		<50		<10		<2		<1	<10					<1				<1
Seep S-1	08-26-1993	N	6.4	110			2	<0.5	<10	<0.5						*5.3*			***0.51***		<50		<10		<2		<1	<10					<1				<1
Seep S-1	10-06-1993	N	6.2	250			7	<0.5	44	0.5						*65*			***3.9***		50		<10		<2		1	<10					34				4
Seep S-1	11-24-1993	N	7.2	355	6		3	<0.5	<10	<0.5						*36*			***2.2***		<50		<10		<2		<1	<10					19				2
Seep S-1	12-29-1993	N	6	88			1	<0.5	<10	<0.5						*1.2*			*0.14*		<50		<10		<2		<1	<10					<1				<1
Seep S-1	01-28-1994	N	6.2	230			7	<0.5	39	<0.5						*64*			***4.6***		<50		<10		<2		<1	<10					31				2
Seep S-1	02-28-1994	N	6.6	140			3	<0.5	<10	<0.5						*23*			***1.6***		<50		<10		<2		<1	<10					11				<1
Seep S-1	03-29-1994	N	6.4	92			2	<0.5	<10	<0.5						*1.7*			*0.18*		<50		<10		<2		<1	<10					<1				<1
Seep S-1	04-13-1994	N	6.7	675	9.1		11	<0.5	94	0.9						*120*			***7.6***		<50		<10		4		2	<10					85				7
Seep S-1	05-27-1994	N	6.4	240			8	<0.5	75	0.7						*52*			***3.4***		50		30		2		1	<10					38				2
Seep S-1	06-30-1994	N	6	130			3	<0.5	<10	<0.5						*1.4*			***0.38***		<50		<10		<2		<1	<10					<1				<1
Seep S-1	07-07-1994	N	6.5	166	25.2		5	<0.5	<10	<0.5	<0.01	<0.05	0.002	<0.002		*14*	<0.01		***1***		<50		20		<2		<1	<10					13				<1
Seep S-1	08-25-1994	N	6.1	500			21	<0.5	300	0.7						*220*			***14***		420	1	460		3		3	10		10			260				8
Seep S-1	09-29-1994	N	6.4	630			26	<0.5	470	1						*200*			***14***		480	1	540		8		3	10		10			390				10
Seep S-1	10-31-1994	N	6.3	310			9	<0.5	140	0.7						*73*			***4.6***		280		290		3		1	10					150				4
Seep S-1	11-28-1994	N	6.7	558	8.9		8	<0.5	63	<0.5						*60*			***4***		100		150		<2		<1	<10					74				2
Seep S-1	12-29-1994	N	6.3	340			15	<0.5	110	0.8						*77*			***5***		100		160		<2		1	<10					100				2
Seep S-1	01-31-1995	N	6.4	180			5	<0.5	27	<0.5						*13*			***1.3***		<50		30		<2		<1	<10					21				<1
Seep S-1	02-27-1995	N	6.4	310			9	<0.5	52	<0.5						*44*			***3.4***		100		100		<2		<1	<10					68				2
Seep S-1	03-29-1995	N	6.3	190			6	<0.5	41	0.6						*22*			***2***		50		60		<2		<1	<10					34				<1
Seep S-1	04-03-1995	N	6.4	893	5.2		27	<0.5	230	1						*140*			***9.4***		320		450		5		2	30		20			240				7
Seep S-1	05-05-1995	N																			400		400		4		1	<10					250				8
Seep S-1	05-10-1995	N	6.3	310			15	<0.5	99	<0.5						*68*			***5.1***		100		130		2		1	<10					130				3
Seep S-1	06-29-1995	N	6.2	500			21	<0.5	170	0.8						*83*			***8.5***		<50		270		3		2	<10					170				5
Seep S-1	07-13-1995	N	6.7	540	20		16	<0.5	130	<0.5						*57*			***5.6***		240		250		2		1	20					120				3
Seep S-1	08-31-1995	N	6.4	220			7	<0.5	41	<0.5						*26*			***2.5***		<50		50		<2		<1	<10					40				<1
Seep S-1	09-29-1995	N	6.4	155			3	<0.5	<10	<0.5						*3.5*			***0.53***		<50		<10		<2		<1	<10					6				<1
Seep S-1	10-26-1995	N	6.4	150			2	<0.5	<10	<0.5						*0.34*			*0.24*		<50		<10		<2		<1	<10					<1				<1
Seep S-1	11-13-1995	N	6.2	161	4.7		2	<0.5	<10	<0.5						*1.4*			*0.24*		<50		<10		<2		<1	<10					4				<1
Seep S-1	12-21-1995	N	7.9	170			3	<0.5	<10	<0.5						*3.6*			***0.62***		<50		<10		<2		<1	<10					4				<1
Seep S-1	01-23-1996	N	6.3	240			8	<0.5	33	<0.5						*12*			***1.3***		<50		10		<2		<1	<10					30				<1
Seep S-1	02-27-1996	N	6.2	230			6	<0.5	<10	<0.5						*6.7*			***1.3***		<50		<10		<2		<1	<10					4				<1
Seep S-1	03-29-1996	N	6.3	390			14	<0.5	56	0.7						*48*			***5.1***		80		40		<2		<1	<10					88				2
Seep S-1	04-15-1996	N	6.5	240	5.4		6	<0.5	21	<0.5						*19*			***2.5***		<50		<10		<2		<1	<10					20				<1
Seep S-1	05-31-1996	N	6.2	190			4	<0.5	<10	<0.5						*7.5*			***1.5***		<50		<10		<2		<1	<10					7				<1

TABLE B.3
Summary of Monitoring Data – Surface Water Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																	Volatile Organic Compounds																
			SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Arsenic	Barium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Acetone	Benzene	Butanone (2-) (MEK)	Dichlorodifluoromethane (CFC12)	Dichloroethane (1,1-)	Dioxane (1,4-)	Ethylbenzene	Hexanone (2-)	Isopropyltoluene (p-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethene (TCE)	Xylene (m,p-)	Xylene (o-)	Xylenes (total)
		Fraction	N	N	N	N	N	N	N	N	T	T	T	T	D	T	T	D	T	T	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Aquatic Life Fresh Acute					860				0.34[d,i]											5300		11000			32000				11000	5280		17500	45000			
		Aquatic Life Fresh Chronic					230				0.15[d,i]				1	1															840			21900			
		Human Health Water & Fish						10			0.000018[b,c]	1	(l)	(l) (l)	0.3[j]	0.3[j]		0.05[j]	0.05[j]	0.61		2.2		6900			530				20	10		1300	2.5			
		Human Health Fish Only									0.00014[b,c]							0.1	0.1	4.6		58		570000			2100				1000	29		15000	30			
		GW-1 (AGQS)						10			0.005	2	0.005	0.1			0.015	0.3	0.3	0.1	6000	5	4000	1000	81	0.32	700		260	2000	5	5	600	1000	5	10000	10000	10000
Seep S-1	06-28-1996	N	6.3	150			2	<0.5	<10	<0.5						*4*			***0.92***		<50		<10		<2		<1	<10						4				<1
Seep S-1	07-09-1996	N	6.6	300	14		8	<0.5	30	<0.5						*30*			***2.5***		<50		<10		<2		<1	<10						40				<1
Seep S-1	08-14-1996	N	6.2	250			7	<0.5	36	0.6						*31*			***2.9***		<50		<10		<2		<1	<10						32				1
Seep S-1	09-20-1996	N	6.2	200			65	<0.5	30	<0.5						*20*			***2.5***		<50		<10		<2		<1	<10						27				<1
Seep S-1	10-30-1996	N	6.3	270			7	<0.5	22	<0.5						*24*			***2.9***		<50		<10		<2		<1	<10						31				<1
Seep S-1	11-11-1996	N	6.7	310	0.7		9	<0.5	40	0.5						*29*			***3.5***		<50		<10		<2		<1	<10						44				<1
Seep S-1	12-19-1996	N	6.2	190			4	<0.5	<10	<0.5						*7.2*			***1.6***		<50		<10		<2		<1	<10						9				<1
Seep S-1	01-20-1997	N	6.5	260			8	<0.5	34	0.5						*34*			***4.3***		<50		<10		<2		<1	<10						35				<1
Seep S-1	02-17-1997	N	6.5	250			7	<0.5	23	0.7						*0.82*			***3***		<50		<10		<2		<1	<10						20				<1
Seep S-1	03-25-1997	N	6.1	270			7	<0.5	45	0.7						*30*			***3.7***		<50		<10		<2		<1	<10						24				<1
Seep S-1	04-07-1997	N	6.7	30	10.7		7	<0.1	<20	0.27						*31.4*			***3.3***		<10		<10		<1		<1	<10						10				<2
Seep S-1	05-28-1997	N	6.6	189			6	<0.1	<20	0.63						*16*			***2***		<10		<10	5.9	<1		<1	<10						5		<2	<2	<0
Seep S-1	06-16-1997	N	6.6	213			8	<0.1	<20	0.98						*31*			***2.8***		<10		<10	8.7	<1		<1	<10						4.4		<2	<2	<0
Seep S-1	07-07-1997	N	4.5	152	15.4		7	<0.1	<20	0.36						*22.3*			***2.42***		<10		<10		1.2		<1	<10						15				<2
Seep S-1	11-11-1997	N	6.9	160	2.4		7	<0.1	<20	0.52						*31*			***2.9***		<20		<20	13	<1		<1	<10						10				<2
Seep S-1	04-13-1998	N	6.4	258	10		7	<0.1	<20	0.99						*27*			***2.7***		<10		<10	3.1	<1		<1	<10						12				<2
Seep S-1	07-13-1998	N	6.5	180	17.2		5	<0.1	<20	0.76						*13*			***1.8***		<10		<10	5	<1		<1	<10	<1					<1				<2
Seep S-1	11-16-1998	N	6.6	240	7.9		5	<0.1	<20	0.83						*18*			***1.8***		<10		<10	2.9	<1		<1	<10	<1					<1				<2
Seep S-1	04-05-1999	N	6.5	240	9.6		4	<0.1	<20	0.42						*22*			***2.1***		<10		<10	4.1	<1		<1	<10	<1					<1				<2
Seep S-1	07-27-1999	N	6.2	172	9		3	<0.1	<20	0.41						*22*			***2.3***		<10		<10	<1	<1		<1	<10	<1					<1				<2
Seep S-1	11-17-1999	N	6.9	206	4.8		4.21	0.116	<15	0.243						*19.5*			***1.93***		<20		<20	<10	<1		<1	<20	<1					<1				<2
Seep S-1	04-10-2000	N	7.3	120	5		<4	0.065	<15	0.226						*4*			***1.05***		<20		<20	<10	<1		<1	<20	<1					<1				<2
Seep S-1	07-17-2000	N	6.6	180	13.9		<4	2.12	<15	0.637						*13.5*			***1.62***		<20		<20	<10	<1		<1	<20	<1					<1				<2
Seep S-1	11-13-2000	N	7.6	154	4.7		2.63	0.145	<15	0.252						*8.49*			***1.45***		<20		<20	<10	<1		<1	<20	<1					<1				<2
Seep S-1	04-02-2001	N	7.1	145	8.6	<0.1	2.57	0.059	<15	0.416						*11.1*			***1.58***		<20		<20	<10	<1		<1	<20	<1					<1				<2
Seep S-1	07-09-2001	N	6.6	175	14.8		2.98	0.038	<15	0.191						*13.1*			***1.64***		<20		<20	<10	<1		<1	<20	<1					<1				<2
Seep S-1	11-05-2001	N	6.6	194	7.1		2.84	0.092	<15	0.302						*10.8*			***1.62***		<20		<20	<10	<1		<1	<20	<1					<1				<2
Seep S-1	04-15-2002	N	6.6	168	14		3.25	0.179	<15	0.532						*11*			***1.49***		<20		<20	<10	<1		<1	<20	<1					<1				<2
Seep S-1	07-15-2002	N	6.7	140	14.2		2.7	0.216	<15	0.452						*7.57*			***1.14***		<20		<20	<10	<1		<1	<20	<1					<1				<2
Seep S-1	11-18-2002	N	6.4	138	5	<0.1	3.61	0.28	103	0.26						*9.37*			***1.21***		<20		<20	<10	<1		<1	<20	<1					<1				<2
Seep S-1	04-07-2003	N	6.5	130	7.1		3.79	0.288	16	0.329						*9.62*			***1.17***		<20		<20	<10	<1		<1	<20	<1					<1				<2
Seep S-1	07-14-2003	N	6.4	137	9.2		3.26	0.226	<15	0.44	***0.006***	<0.02	<0.003	<0.01		*9.45*	<0.002		***0.975***	<0.02	<10		<10	<5	<1		<1	<10	<1					<1				<2
Seep S-1	11-03-2003	N	7.4	111	6.2	<0.1	3.73	0.346	<15	0.328						*8.1*			***1.09***		<10		<10	<5	<1		<1	<10	<1					<1				<2
Seep S-1	04-05-2004	N	6.2	114	8	<0.1	3.6	0.352	<15	0.295						*8.4*			***1.02***		<10		<10	<5	<1		<1	<10	<1					<1				<2
Seep S-1	07-06-2004	N	7	132	12.2		4.36	0.518	<15	0.498						*73.4*			***1.12***		<10		<10	<5	<1		<1	<10	<1					<1				<2
Seep S-1	11-08-2004	N	7.5	130	5.9	<0.1	4.08	0.372	<15	0.2						*2*			***0.497***		<10		<10	<5	3.2		<1	<10	<1					<1				<2
Seep S-1	04-11-2005	N	5.8	300	5.3		25.6	1.1	106	4.6						*2160*			***20.6***		81.8		<10	<5	<1		<1	<10	1.2					2.6				<2
Seep S-1	07-11-2005	N	7.2	3	9.6		4.79	0.346	<15	0.212						*24.6*			***1.05***		<10		<10	<5	<1		<1	<10	<1					<1				<2

TABLE B.3
Summary of Monitoring Data – Surface Water Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																	Volatile Organic Compounds																
			SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Arsenic	Barium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Acetone	Benzene	Butanone (2-) (MEK)	Dichlorodifluoromethane (CFC12)	Dichloroethane (1,1-)	Dioxane (1,4-)	Ethylbenzene	Hexanone (2-)	Isopropyltoluene (p-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethene (TCE)	Xylene (m,p-)	Xylene (o-)	Xylenes (total)
		Fraction	N	N	N	N	N	N	N	N	T	T	T	T	D	T	T	D	T	T	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Aquatic Life Fresh Acute					860				0.34[d,i]											5300		11000			32000				11000	5280		17500	45000			
		Aquatic Life Fresh Chronic					230				0.15[d,i]				1	1															840			21900			
		Human Health Water & Fish						10			0.000018[b,c]	1	[l]	[l] [l]	0.3[j]	0.3[j]		0.05[j]	0.05[j]	0.61		2.2		6900			530				20	10		1300	2.5			
		Human Health Fish Only									0.00014[b,c]							0.1	0.1	4.6		58		570000			2100				1000	29		15000	30			
		GW-1 (AGQS)						10			0.005	2	0.005	0.1			0.015	0.3	0.3	0.1	6000	5	4000	1000	81	0.32	700		260	2000	5	5	600	1000	5	10000	10000	10000
Seep S-1	11-01-2005	N	6.1	150	11.8		4.04	0.537	<15	<0.04						*2.2*			***0.5***		<10		<10	<5	<1		<1	<10	<1					<1				<2
Seep S-1	04-10-2006	N	6.6	110	10.9		3.98	0.591	<15	0.284						*2.43*			***0.476***		<10		<10	<5	<2		<1	<10	<1					<1				<2
Seep S-1	07-10-2006	N	6.3	150	12		5.21	0.528	<15	0.2						*5.63*			***0.856***		<10		<10	<5	<1		<1	<10	<1					<1				<2
Seep S-1	11-06-2006	N	6.7	110	8.7		5.93	0.543	<15	0.176						*4.13*			***0.924***		<10		<10	<5	<1		<1	<10	<1					<1				<2
Seep S-1	04-09-2007	N	6.3	80	8.8	<0.1	4.4	1.04	<15	0.162						*1.27*			***0.413***		<10		<10	<5	<1		<1	<10	<1					<1				<2
Seep S-1	07-23-2007	N	6	80	9.6		4.08	0.662	<15	0.153						*2.61*			***0.535***		<10		<10	<5	<1		<1	<10	<1					<1				<2
Seep S-1	11-05-2007	N	6.2	160	4.9	<0.1	4.7	0.55	<10	10						*3.18*			***0.725***		<10		<10	<5	<1		<1	<10	<1					<1				<2
Seep S-1	04-21-2008	N	6.47	240	14.5		4.5	0.49	<10	0.33						*21*			***1.5***		<10		<10	<5	<1		<1	<10	<1					<1				<2
Seep S-1	07-21-2008	N	5.9	50	11.7		3.5	0.54	<10	0.14						*0.64*			*0.23*		<10		<10	<5	<1		<1	<10	<1					<1				<2
Seep S-1	11-18-2008	N	6.8	60	4		3.5	1.9	<10	<0.1						*1.2*			*0.29*		<10		<10	<5	<1		<1	<10	<1					<1				<2
Seep S-1	04-06-2009	N	6	240	7.7		5	<0.5	<10	<0.5						*3.1*			***0.48***		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	07-13-2009	N	6.1	100	10.2		5	<0.5	<10	<0.5	*0.0013*	0.01	<0.001	<0.001		*1.6*	<0.001		***0.38***	<0.001	<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	11-09-2009	N	6.2	100	6.6		4	<0.5	<10	<0.5						*1.1*			*0.25*		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	04-07-2010	N	5.64	130	11.8		6	<0.5	<10	<0.5						*2.2*			*0.25*		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	07-15-2010	N	6.4	80	10.8		4	<0.5	<10	<0.5						*0.98*			*0.24*		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	11-03-2010	N	5.8	100	6.5		6	<0.5	<10	<0.5						*15*			***0.78***		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	04-18-2011	N	5.5	80	7.4		6	<0.5	<10	<0.5						*1*			***0.41***		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	07-14-2011	N	5.7	700	14.7		6	<0.5	<10	<0.5						*78*			***0.92***		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	07-14-2011	FD					6	<0.5	<10	<0.5						*5*			***0.52***		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	11-01-2011	N	6.5	140	6		4	<0.5	<10	<0.5						0.1			*0.085*		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	04-11-2012	N	6.4	130	10.4		9	<0.5	<10	<0.5						*7.3*			***0.9***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	07-18-2012	N	6.39	150	10.1		5	<0.5	<10	<0.5						*0.58*			*0.14*		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	11-06-2012	N	6.46	90	8.3		7	<0.5	<10	<0.5						*0.54*			*0.18*		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	04-10-2013	N	6.3	700	8.1		10	<0.5	<10	<0.5						*4.5*			***0.65***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	07-09-2013	N	6.59	110	12.9		5	<0.5	<10	<0.5						*1*			*0.18*		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	11-05-2013	N	6.1	109	9.1		10	<0.5	<10	<0.5						*2.4*			***0.5***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	04-21-2014	N	6.89	120	10.8		8	<0.5	<10	<0.5						0.25			*0.12*		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	07-17-2014	N	6.45	108	9		7	<0.5	<10	<0.5						0.09			*0.059*		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	11-05-2014	N	6.51	190	8.9		8	<0.5	<10	<0.5						*1.1*			*0.21*		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	04-15-2015	N	6.98	100	9.2		8	<0.5	<10	<0.5						*0.75*			*0.15*		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	07-21-2015	N	7	109	9.5		4	<0.5	<10	<0.5	<0.0005	0.007	<0.001	<0.001		0.12	<0.001		0.038	<0.001	<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	11-10-2015	N	7.44	70	8.3		5	<0.5	<10	<0.5						*0.77*			*0.14*		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	04-11-2016	N	7.4	118	7.9		4	<0.5	<10	<0.5						*0.87*			*0.097*		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	07-12-2016	N	7.64	97	9.2		3	<0.5	<10	<0.5						0.12			*0.053*		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	11-07-2016	N	7.16	97	9.1		3	<0.5	<10	<0.5						0.16			0.044		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	04-03-2017	N	6.86	100	9.2		4	<0.5	<10	<0.5						*0.38*			*0.075*		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
Seep S-1	07-26-2017	N	7.27	98	9.1		4	0.6	<10	<0.5						*0.32*			*0.077*		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
Seep S-1	11-06-2017	N	6.91	101	9.2		2	0.7	<10	<0.5						<0.05			<0.005		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	

TABLE B.3
Summary of Monitoring Data – Surface Water Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																	Volatile Organic Compounds																
			SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Arsenic	Barium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Acetone	Benzene	Butanone (2-) (MEK)	Dichlorodifluoromethane (CFC12)	Dichloroethane (1,1-)	Dioxane (1,4-)	Ethylbenzene	Hexanone (2-)	Isopropyltoluene (p-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethene (TCE)	Xylene (m,p-)	Xylene (o-)	Xylenes (total)
		Fraction	N	N	N	N	N	N	N	N	T	T	T	T	D	T	T	D	T	T	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Aquatic Life Fresh Acute					860				0.34[d,i]											5300		11000			32000				11000	5280		17500	45000			
		Aquatic Life Fresh Chronic					230				0.15[d,i]				1	1															840			21900			
		Human Health Water & Fish						10			0.000018[b,c]	1	(l)	(l) (l)	0.3[j]	0.3[j]		0.05[j]	0.05[j]	0.61		2.2		6900			530				20	10		1300	2.5			
		Human Health Fish Only									0.00014[b,c]							0.1	0.1	4.6		58		570000			2100				1000	29		15000	30			
		GW-1 (AGQS)						10			0.005	2	0.005	0.1			0.015	0.3	0.3	0.1	6000	5	4000	1000	81	0.32	700		260	2000	5	5	600	1000	5	10000	10000	10000
Seep S-1	04-23-2018	N	6.86	104	10.9		9.7	0.52	<10	<0.5						*1.1*			*0.25*		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
Seep S-1	07-10-2018	N	6.19	130	10.8		9.6	0.57	<10	<0.5						*1.9*			***0.31***		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
Seep S-1	11-05-2018	N	6.66	111	8.8		4.4	0.63	<10	<0.5						*0.32*			*0.094*		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
Seep S-1	04-22-2019	N	7.57	252	9.5		46	<0.5	<10	<0.5						*0.76*			*0.22*		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
Seep S-1	07-08-2019	N	6.76	282	9.2		62	<0.5	<10	<0.5						*0.38*			*0.095*		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
Seep S-1	11-05-2019	N	7.24	132	8.7		9.2	0.71	<10	<0.5						*0.41*			*0.1*		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
Seep S-1	04-20-2020	N	7.28	146	9.5		11	1.1	<10	<0.5						*1*			***0.31***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
Seep S-1	07-13-2020	N	7.09	132	10.3		11	<0.5	12	<0.5	*0.0015*	0.017	<0.001	<0.001		*2.2*	<0.001		***0.42***	<0.001	<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
Seep S-1	11-03-2020	N	6.69	215	7.2		5.2	0.78	<10	<0.5						0.17			0.041		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
Seep S-1	12-15-2020	N	7.13	146	7		4.4	0.66	<10	<0.5						0.24			*0.055*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
Seep S-1	01-13-2021	N	7.32	114	8.2		5.2	0.62	<10	<0.5						0.17			*0.083*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
Seep S-1	02-15-2021	N	7.51	114	8.8		6.4	0.6	<10	<0.5						0.25			*0.11*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
Seep S-1	03-17-2021	N	7.53	114	8.7		6.7	0.68	<10	<0.5						*0.5*			*0.13*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
Seep S-1	04-19-2021	N	7.1	118	9.5		7.8	<0.5	<10	<0.5						*0.51*			*0.12*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
Seep S-1	07-05-2021	N	6.61	121	10.3		6.1	0.78	<10	<0.5						*0.54*			*0.077*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
Seep S-1	11-02-2021	N	6.36	98	9		7.5	0.53	<10	<0.5						0.22			*0.079*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
Seep S-1	04-18-2022	N	7.88	135	9.4		4.2	<0.5	<10	<0.5						0.083			0.025		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
Seep S-1	07-11-2022	N	7.25	121	9.1		5.1	0.55	<10	<0.5						0.16			0.032		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
Seep S-1	11-02-2022	N	6.7	102	9.3		5.2	<0.5	<10	<0.5						0.12			0.046		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
Seep S-1	04-18-2023	N	7.39	93	9.3		3.3	<0.5	<10	<0.5						*1.6*			*0.094*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
Seep S-1	07-12-2023	N	7.09	100	11		4.7	0.51	<10	<0.5						0.091			0.046		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
Seep S-1	08-22-2023	N	6.86	98	10	<0.1																															
Seep S-1	11-06-2023	N	6.99	93	9.1		3.9	<0.5	<10	<0.5						0.25			*0.085*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
Seep S-1	04-16-2024	N	6.38	74	9.4		1.9	<0.5	<10	<0.5					0.11	0.25		*0.1*	*0.12*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
Seep S-1	07-22-2024	N	7.01	94	9.4		2.3	<0.5	<10	<0.5						0.29			*0.098*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
SF-1	07-09-1996	N	6.8	200	16.3		6	<0.5	16	<0.5						*9.4*			***1.7***		80		60														
SF-1	11-11-1996	N	6.9	170	0.8		5	<0.5	<10	<0.5						*4.1*			***1.3***		<50		<10														
SF-1	04-07-1997	N	5.2	110	11.3		8	0.1	<20	0.39						*9.5*			***1.18***		<10		<10														
SF-1	07-07-1997	N	4.6	153	11.2		5	0.1	<20	0.75						*16*			***1.21***		<10		<10														
SF-1	11-11-1997	N	6.9	50	1.8		1	0.1	<20	0.15						0.05			<0.02		<10		<10														
SF-1	04-13-1998	N	6.4	220	10.8		4	0.2	<20	0.38						*2.8*			***0.72***		<10		<10														
SF-1	07-13-1998	N	6.7	120	15		3	0.1	<20	0.29						*2.3*			***0.78***		<20		<20														
SF-1	11-16-1998	N	6.7	160	7		4	0.1	<20	0.28						*2.2*			***0.65***		<10		<10														
SF-1	04-05-1999	N	7.2	130	8		2	0.1	<20	0.32						*6.1*			***0.66***		<10		<10														
SF-1	07-27-1999	N	6.9	152	12		2	0.1	<20	0.43						*2.3*			***0.6***		<10		<10														
SF-1	11-17-1999	N	7.8	155	4.1		2.8	0.203	<15	<0.04						*3.05*			***0.508***		<20		<20														
SF-1	04-10-2000	N	7.2	148	5.9		<4	0.206	<15	0.496						*1.93*			***0.62***																		

TABLE B.3
Summary of Monitoring Data – Surface Water Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																	Volatile Organic Compounds																
			SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Arsenic	Barium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Acetone	Benzene	Butanone (2-) (MEK)	Dichlorodifluoromethane (CFC12)	Dichloroethane (1,1-)	Dioxane (1,4-)	Ethylbenzene	Hexanone (2-)	Isopropyltoluene (p-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethene (TCE)	Xylene (m,p-)	Xylene (o-)	Xylenes (total)
		Fraction	N	N	N	N	N	N	N	N	T	T	T	T	D	T	T	D	T	T	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Aquatic Life Fresh Acute					860				0.34[d,i]											5300		11000			32000				11000	5280		17500	45000			
		Aquatic Life Fresh Chronic					230				0.15[d,i]				1	1															840			21900			
		Human Health Water & Fish						10			0.000018[b,c]	1	[l]	[l] [l]	0.3[j]	0.3[j]		0.05[j]	0.05[j]	0.61		2.2		6900			530				20	10		1300	2.5			
		Human Health Fish Only									0.00014[b,c]							0.1	0.1	4.6		58		570000			2100				1000	29		15000	30			
		GW-1 (AGQS)						10			0.005	2	0.005	0.1			0.015	0.3	0.3	0.1	6000	5	4000	1000	81	0.32	700		260	2000	5	5	600	1000	5	10000	10000	10000
SF-1	07-17-2000	N	7.3	116	14.5		<4	0.938	<15	0.365						*1.79*			***0.661***		<20		<20															
SF-1	11-13-2000	N	8.3	125	4.8		2.46	0.218	<15	0.204						*47.4*			***1.81***		<20		<20															
SF-1	04-02-2001	N	6.7	175	9.5	<0.1	<2.5	0.179	<15	0.192						*4.42*			***0.616***		<20		<20															
SF-1	07-09-2001	N	7	133	15		3.74	0.145	<15	0.287						*286*			***3.6***		<20		<20															
SF-1	11-05-2001	N	6.9	145	6.9		2.8	0.194	<15	0.271						*1.44*			***0.603***		<20		<20															
SF-1	04-15-2002	N	7.1	140	14.2		2.53	0.225	<15	0.247						*1.46*			***0.462***		<20		<20															
SF-1	07-15-2002	N	7	158	19.5		2.72	0.286	<15	0.254						*8.56*			***0.939***		<20		<20															
SF-1	11-18-2002	N	6.6	112	4	<0.1	3.34	0.307	16	0.157						*3.31*			***0.658***		<20		<20															
SF-1	04-07-2003	N	7.1	80	5.2		3.4	0.342	16	0.258						*2.81*			***0.579***		<20		<20															
SF-1	07-14-2003	N	6.8	106	11.5		3.23	0.357	<15	0.187	*0.002*	<0.02	<0.003	<0.01		*4.84*	<0.002		***0.515***	<0.02	<10		<10															
SF-1	11-03-2003	N	7.4	120	6.1	<0.1	3.69	0.437	<15	0.227						*1.33*			***0.473***		<10		<10															
SF-1	04-05-2004	N	6.6	106	7.5	<0.1	4.07	0.47	<15	0.196						*3.73*			***0.622***		<10		<10															
SF-1	07-06-2004	N	6.9	106	11.8		3.95	0.505	<15	0.358						*7.8*			***0.54***		<10		<10															
SF-1	11-08-2004	N	7.6	150	5.6	<0.1	18	0.037	87	11.8						*145*			***5.5***		<10		<10															
SF-1	04-11-2005	N	6.6	102	3.9		4.62	0.426	<15	0.873						*24.6*			***1.3***		<10		<10															
SF-1	07-11-2005	N	7.4	100	11.7		4.05	0.381	<15	<0.04						*11.9*			***0.893***		<10		<10															
SF-1	11-01-2005	N	6.4	102	10.2		4.28	0.46	<15	0.124						*2.36*			***0.453***		<10		<10															
SF-1	04-10-2006	N	6.6	100	10.3		4.48	0.53	<15	0.208						*7.01*			***0.47***		<10		<10															
SF-1	07-10-2006	N	7.1	200	12.8		5.2	0.495	<15	0.554						*29.9*			***2.33***		<10		<10															
SF-1	11-06-2006	N	7	80	8.3		4.8	0.511	<15	0.107						*2.22*			***0.419***		<10		<10															
SF-1	04-09-2007	N	6.9	80	8.7	<0.1	5.13	0.58	<15	0.222						*16.1*			***0.465***		<10		<10															
SF-1	07-23-2007	N	6.9	90	11		4.39	5.24	<15	0.405						*9.91*			***0.614***		<10		<10															
SF-1	11-05-2007	N	6.4	80	4.8	<0.1	4.6	0.52	<10	0.16						*0.888*			***0.332***		<10		<10															
SF-1	04-21-2008	N	7.32	340	12.7		4.5	0.51	11	0.22						*8.1*			***0.39***		<10		<10															
SF-1	07-21-2008	N	5.9	50	11.3		3.9	0.4	<10	0.34						*1.7*			***0.4***		<10		<10															
SF-1	11-18-2008	N	6.7	70	4		4.5	0.41	<10	0.1						*2.1*			***0.36***		<10		<10															
SF-1	04-06-2009	N	6.5	410	7.2		5	<0.5	<10	<0.5						*2.2*			***0.38***		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	07-13-2009	N	7.4	90	10.9		4	<0.5	<10	<0.5	*0.0016*	0.01	<0.001	<0.001		*3.1*	<0.001		***0.47***	<0.001	<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	11-09-2009	N	6.8	110	5.8		4	<0.5	<10	<0.5						*1.6*			***0.38***		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	04-07-2010	N	6.67	110	13.5		6	<0.5	<10	<0.5						*1.9*			*0.28*		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	07-15-2010	N	7.1	80	13.7		5	<0.5	<10	<0.5						*2.3*			***0.46***		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	11-03-2010	N	6.4	80	6.8		5	<0.5	<10	<0.5						*3*			***0.43***		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	04-18-2011	N	6.1	120	6.1		5	<0.5	<10	<0.5						*1.2*			***0.32***		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	07-14-2011	N	6.8	90	18.3		5	<0.5	14	<0.5						*6*			***0.4***		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	11-01-2011	N	7.5	230	5.1		6	<0.5	<10	<0.5						*1.6*			***0.37***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	04-11-2012	N	6.8	150	9.5		7	<0.5	<10	<0.5						*2.5*			***0.46***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	07-18-2012	N	6.96	200	12.9		6	<0.5	<10	<0.5						*4.1*			***0.45***		20	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	11-06-2012	N	7.05	111	6.3		8	<0.5	<10	<0.5						*1.8*			***0.34***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	

TABLE B.3
Summary of Monitoring Data – Surface Water Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																	Volatile Organic Compounds																
			SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Arsenic	Barium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Acetone	Benzene	Butanone (2-) (MEK)	Dichlorodifluoromethane (CFC12)	Dichloroethane (1,1-)	Dioxane (1,4-)	Ethylbenzene	Hexanone (2-)	Isopropyltoluene (p-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethene (TCE)	Xylene (m,p-)	Xylene (o-)	Xylenes (total)
		Fraction	N	N	N	N	N	N	N	N	T	T	T	T	D	T	T	D	T	T	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Aquatic Life Fresh Acute					860				0.34[d,i]											5300		11000			32000				11000	5280		17500	45000			
		Aquatic Life Fresh Chronic					230				0.15[d,i]				1	1															840			21900			
		Human Health Water & Fish						10			0.000018[b,c]	1	(l)	(l) (l)	0.3[j]	0.3[j]		0.05[j]	0.05[j]	0.61		2.2		6900			530				20	10		1300	2.5			
		Human Health Fish Only									0.00014[b,c]							0.1	0.1	4.6		58		570000			2100				1000	29		15000	30			
		GW-1 (AGQS)						10			0.005	2	0.005	0.1			0.015	0.3	0.3	0.1	6000	5	4000	1000	81	0.32	700		260	2000	5	5	600	1000	5	10000	10000	10000
SF-1	04-10-2013	N	7.47	870	6.5		8	<0.5	<10	0.7						*3.8*			***0.5***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	07-09-2013	N	7.19	120	14.2		7	<0.5	<10	<0.5						*1.1*			*0.27*		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	11-05-2013	N	7.43	125	7.5		8	<0.5	12	<0.5						*1.6*			***0.37***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	04-21-2014	N	7.6	480	10.8		8	<0.5	12	<0.5						*3.9*			***0.45***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	07-17-2014	N	7.41	117	11.2		8	<0.5	13	0.8						*2.1*			***0.41***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	11-05-2014	N	7.17	380	8.8		8	<0.5	<10	<0.5						*2.1*			*0.28*		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	04-15-2015	N	8.22	90	7.5		7	<0.5	<10	<0.5						*2.2*			***0.35***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	07-21-2015	N	7.52	130	12		7	<0.5	<10	<0.5	*0.0026*	0.01	<0.001	<0.001		*1.9*	<0.001		***0.32***	<0.001	<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	11-10-2015	N	7.64	80	6.9		7	<0.5	<10	<0.5						*1.6*			***0.33***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	04-11-2016	N	8.18	175	5.2		7	<0.5	<10	<0.5						*5.9*			***0.35***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	07-12-2016	N	7.91	157	12		11	<0.5	<10	0.6						*1.4*			***0.32***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	11-07-2016	N	7.72	145	7.9		12	<0.5	<10	<0.5						*1.1*			*0.27*		<10	<1	<10	<5	<2	0.31	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	12-01-2016	N	6.57	520	7.6		11	<0.5	<10	<0.5						*2.9*			***0.31***		<10	<1	<10	<5	<2	0.26	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	04-03-2017	N	7.04	139	6.2		10	<0.5	<10	<0.5						*3.2*			***0.5***		<10	<1	<10	<5	<2	0.28	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
SF-1	07-26-2017	N	7.47	134	10.2		10	<0.5	<10	0.7						*1.5*			***0.37***		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
SF-1	11-06-2017	N	7.01	161	10.4		9	0.6	<10	<0.5						*1.3*			***0.31***		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
SF-1	04-23-2018	N	6.86	123	10.3		11	<0.5	<10	<0.5						*2.3*			***0.34***		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
SF-1	07-10-2018	N	6.8	154	12.7		12	0.5	<10	<0.5						*2.5*			***0.44***		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
SF-1	11-05-2018	N	7.28	153	7.3		9.4	0.5	<10	<0.5						*1*			*0.29*		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
SF-1	04-22-2019	N	7.99	280	8.8		62	<0.5	<10	<0.5						*1.5*			***0.31***		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
SF-1	07-08-2019	N	6.95	278	11		53	<0.5	<10	<0.5						*1.3*			*0.29*		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
SF-1	11-05-2019	N	7.14	179	8.2		17	0.6	<10	<0.5						*1.7*			*0.28*		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
SF-1	04-20-2020	N	7.4	162	7.4		12	0.8	<10	<0.5						*1.7*			*0.3*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
SF-1	07-13-2020	N	7.22	135	12		11	<0.5	<10	<0.5	*0.0021*	0.011	<0.001	<0.001		*1.6*	<0.001		***0.34***	<0.001	<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
SF-1	11-03-2020	N	6.87	271	5.3		9.6	0.56	<10	<0.5						*1.2*			*0.27*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
SF-1	12-15-2020	N	7.31	148	3.6		8.9	0.51	11	0.7						*2.1*			*0.27*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
SF-1	01-13-2021	N	7.62	145	5.5		9	0.56	<10	<0.5						*2.5*			***0.33***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
SF-1	02-15-2021	N	7.92	134	5		9.2	0.55	<10	<0.5						*5.5*			***0.53***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
SF-1	03-17-2021	N	7.76	136	5.1		8.4	0.61	<10	<0.5						*3.3*			***0.42***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
SF-1	04-19-2021	N	7.92	135	8.6		9.3	<0.5	<10	<0.5						*1.6*			*0.27*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
SF-1	07-05-2021	N	7.27	131	11.5		8.8	0.58	<10	<0.5						*1.7*			*0.24*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
SF-1	11-02-2021	N	7.18	113	8.3		9.3	<0.5	<10	<0.5						*2.6*			*0.27*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
SF-1	04-18-2022	N	7.41	388	7.2		6.5	<0.5	<10	<0.5						*1.8*			*0.27*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
SF-1	07-11-2022	N	7.47	151	10.8		9	<0.5	<10	<0.5						*0.95*			*0.22*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
SF-1	11-02-2022	N	7.58	130	8.9		7.7	<0.5	<10	<0.5						*0.8*			*0.19*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
SF-1	04-18-2023	N	7.79	123	8.1		7.4	<0.5	17	<0.5						*6.8*			***0.53***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
SF-1	07-12-2023	N	7.39	127	13		8.8	<0.5	<10	<0.5						*8.8*			***0.85***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
SF-1	08-22-2023	N	7.11	122	10.7	<0.1																														

TABLE B.3
Summary of Monitoring Data – Surface Water Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																	Volatile Organic Compounds																
			SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Arsenic	Barium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Acetone	Benzene	Butanone (2-) (MEK)	Dichlorodifluoromethane (CFC12)	Dichloroethane (1,1-)	Dioxane (1,4-)	Ethylbenzene	Hexanone (2-)	Isopropyltoluene (p-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethene (TCE)	Xylene (m,p-)	Xylene (o-)	Xylenes (total)
		Fraction	N	N	N	N	N	N	N	N	T	T	T	T	D	T	T	D	T	T	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Aquatic Life Fresh Acute					860				0.34[d,i]											5300		11000			32000				11000	5280		17500	45000			
		Aquatic Life Fresh Chronic					230				0.15[d,i]				1	1															840			21900			
		Human Health Water & Fish						10			0.000018[b,c]	1	[l]	[l] [l]	0.3[j]	0.3[j]		0.05[j]	0.05[j]	0.61		2.2		6900			530				20	10		1300	2.5			
		Human Health Fish Only									0.00014[b,c]							0.1	0.1	4.6		58		570000			2100				1000	29		15000	30			
		GW-1 (AGQS)						10			0.005	2	0.005	0.1			0.015	0.3	0.3	0.1	6000	5	4000	1000	81	0.32	700		260	2000	5	5	600	1000	5	10000	10000	10000
SF-1	11-06-2023	N	7.47	120	7.7		7.4	<0.5	<10	<0.5						*7.2*			***0.59***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
SF-1	04-16-2024	N	7.1	91	8.4		5.9	<0.5	<10	<0.5					0.081	*3.7*		*0.14*	*0.23*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
SF-1	07-22-2024	N	7.75	116	10.4		5.8	<0.5	<10	<0.5						*1.5*			*0.21*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
AR-1	04-15-1996	N	6.8	60	4		5	<0.5	12	<0.5						*1.2*			*0.089*																		
AR-1	07-09-1996	N	7.1	40	17.1		5	<0.5	<10	5.2						0.08			0.03																		
AR-1	11-11-1996	N	7.2	20	1.6		2	<0.5	16	<0.5						0.07			0.02																		
AR-1	04-07-1997	N	7	20	14.5		1	0.1	<20	0.27						*0.8*			0.05																		
AR-1	07-07-1997	N	6.1	23	18		2	0.1	<20	0.34						0.22			0.03																		
AR-1	11-11-1997	N	7.2	20	1.2		2	<0.1	25	0.13						0.11			<0.02																		
AR-1	07-13-1998	N	7.1	30	15.5		3	0.1	<20	0.16						0.12			<0.02																		
AR-1	07-27-1999	N	6.5	56	20		6	<0.1	<20	0.32						0.15			<0.02																		
AR-1	07-17-2000	N	7.4	41	18.8		4.56	0.256	<15	0.13						0.126			0.013																		
AR-1	07-09-2001	N	6.7	65	20.7		7.5	0.914	<15	0.165						0.157			0.018																		
AR-1	07-15-2002	N	7	56	9.3		5.77	0.117	<15	0.204						0.245			0.029																		
AR-1	07-14-2003	N	7.3	60	17.5		10.5	0.165	<15	0.278	<0.002	<0.02	<0.003	<0.01		0.124	<0.002		0.014	<0.02																		
AR-1	07-06-2004	N	7.4	54	20.6		6.46	0.082	<15	0.208						0.233			0.016																		
AR-1	07-11-2005	N	6.5	44	21		5.93	0.086	<15	0.093						0.137			0.014																		
AR-1	07-10-2006	N	7.3	80	19.1		6.7	0.093	<15	0.048						0.177			0.015																		
AR-1	07-23-2007	N	7	40	20.8		6.85	0.153	<15	0.207						0.16			<0.02																		
AR-1	07-21-2008	N	6.8	10	16.7		4.4	0.07	16	0.38						0.23			0.029																		
AR-1	07-13-2009	N	6.6	10	13.9		4	<0.5	<10	<0.5	<0.0005	0.007	<0.001	<0.001		0.18	<0.001		0.019	<0.001	<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-1	07-15-2010	N	6.9	30	20.2		5	<0.5	20	0.5						*0.4*			0.028		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-1	07-14-2011	N	6.4	30	20.1		8	<0.5	<10	<0.5						0.23			0.022		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-1	07-18-2012	N	6.49	40	20		7	<0.5	13	<0.5						0.17			0.014		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-1	07-09-2013	N	7.12	30	17.2		3	<0.5	15	<0.5						0.22			0.018		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-1	07-17-2014	N	7.02	36	16.6		4	<0.5	16	1.8						0.19			0.017		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-1	07-21-2015	N	7.38	46	17.4		6	<0.5	13	<0.5	<0.0005	0.007	<0.001	<0.001		0.18	<0.001		0.015	<0.001	<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-1	07-12-2016	N	7.8	43	15.3		4	<0.5	<10	<0.5						0.1			0.016		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-1	04-03-2017	N	7.32	63	1.2		8	<0.5	<10	<0.5						0.1			0.018		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-1	07-26-2017	N	7.96	65	13.9		10	<0.5	<10	0.52						0.18			0.017		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
AR-1	07-10-2018	N	7.02	71	17.5		9.6	<0.5	<10	<0.5						0.21			0.017		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
AR-1	11-05-2018	N	6.84	37	3.7		2.6	<0.5	15	<0.5						0.15			0.025																		
AR-1	07-08-2019	N	7.7	54	16.3		8.6	<0.5	12	<0.5						0.22			0.019		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
AR-1	07-13-2020	N	7.72	36	17.5		5.6	<0.5	14	<0.5	<0.0005	0.0065	<0.001	<0.001		0.19	<0.001		0.017	<0.001	<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
AR-1	07-05-2021	N	7.46	51	18.9		7.7	<0.5	<10	<0.5						0.25			0.018		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
AR-1	07-11-2022	N	7.62	86	19.2		13	<0.5	<10	<0.5						0.18			0.015		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
AR-1	07-12-2023	N	7.87	28	18		3.1	<0.5	16	<0.5						0.21			0.021		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	

TABLE B.3
Summary of Monitoring Data – Surface Water Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																	Volatile Organic Compounds																
			SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Arsenic	Barium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Acetone	Benzene	Butanone (2-) (MEK)	Dichlorodifluoromethane (CFC12)	Dichloroethane (1,1-)	Dioxane (1,4-)	Ethylbenzene	Hexanone (2-)	Isopropyltoluene (p-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethene (TCE)	Xylene (m,p-)	Xylene (o-)	Xylenes (total)
	Fraction		N	N	N	N	N	N	N	N	T	T	T	T	D	T	T	D	T	T	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Aquatic Life Fresh Acute						860				0.34[d,i]											5300		11000			32000				11000	5280		17500	45000			
	Aquatic Life Fresh Chronic						230				0.15[d,i]				1	1															840			21900			
	Human Health Water & Fish							10			0.000018[b,c]	1	(l)	(l) (l)	0.3[j]	0.3[j]		0.05[j]	0.05[j]	0.61		2.2		6900			530				20	10		1300	2.5			
	Human Health Fish Only										0.00014[b,c]							0.1	0.1	4.6		58		570000			2100				1000	29		15000	30			
	GW-1 (AGQS)							10			0.005	2	0.005	0.1			0.015	0.3	0.3	0.1	6000	5	4000	1000	81	0.32	700		260	2000	5	5	600	1000	5	10000	10000	10000
AR-1	08-22-2023	N	7.41	45	13.8																																
AR-1	07-22-2024	N	7.73	58	17.2		9.1	<0.5	<10	<0.5						0.27			0.018		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
AR-2	07-13-1995	N	7.2	60	20		4	<0.5	16	<0.5						*0.78*			*0.12*																		
AR-2	11-13-1995	N	6.1	27	5.1		2	<0.5	12	<0.5						0.22			0.048																		
AR-2	04-15-1996	N	7.4	110	4		5	<0.5	<10	<0.5						*1.5*			*0.15*																		
AR-2	07-09-1996	N	7.1	50	17		6	<0.5	<10	0.8						0.16			*0.055*																		
AR-2	11-11-1996	N	7.1	20	0.7		2	<0.5	10	<0.5						0.08			0.025																		
AR-2	04-07-1997	N	7.1	30	12.2		1	0.7	<20	0.26						*1.15*			*0.09*																		
AR-2	07-07-1997	N	6.1	24	17.6		2	<0.1	<20	0.39						0.29			0.04																		
AR-2	11-11-1997	N	7.2	30	1.9		2	0.1	<20	0.3						*0.51*			0.03																		
AR-2	07-13-1998	N	6.9	30	16.3		3	0.7	<20	0.28						*0.46*			0.04																		
AR-2	07-27-1999	N	6.6	69	20		6	0.3	<20	0.2						*0.92*			*0.08*																		
AR-2	07-17-2000	N	7.5	46	18		<8	0.508	<15	0.137						*1.11*			*0.072*																		
AR-2	07-09-2001	N	6.7	66	21		7.47	0.136	<15	0.099						*1.46*			*0.059*																		
AR-2	07-15-2002	N	7	57	14.4		5.77	0.124	<15	0.153						*1.39*			*0.054*																		
AR-2	07-14-2003	N	7.1	73	18.2		10.4	0.285	<15	0.166	<0.002	<0.02	<0.003	<0.01		*0.364*	<0.002		0.031	<0.02																		
AR-2	07-06-2004	N	7.3	50	20.4		6.82	0.201	<15	0.352						*1.48*			*0.076*																		
AR-2	07-11-2005	N	6.5	45	21.2		6.33	0.148	<15	<0.04						*0.475*			0.045																		
AR-2	07-10-2006	N	7.1	80	19.1		6.88	0.11	38	0.127						*0.486*			0.038																		
AR-2	07-23-2007	N	6.7	30	20.2		6.83	0.185	<15	0.051						*0.355*			0.037																		
AR-2	07-21-2008	N	6.8	20	16.7		4.6	0.07	16	0.26						*0.61*			0.05																		
AR-2	07-13-2009	N	6.9	30	13.9		3	<0.5	20	<0.5	<0.0005	0.007	<0.001	<0.001		0.29	<0.001		0.023	<0.001	<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-2	07-15-2010	N	6.8	30	20.3		6	<0.5	18	<0.5						*0.51*			0.044		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-2	07-14-2011	N	6.8	20	20		8	<0.5	<10	<0.5						*0.44*			*0.053*		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-2	07-18-2012	N	7.44	70	19.4		8	<0.5	13	<0.5						0.28			0.039		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-2	07-09-2013	N	6.97	40	17.8		3	<0.5	18	<0.5						0.24			0.021		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-2	07-17-2014	N	7.31	37	16.6		4	<0.5	18	1.2						*0.43*			0.031		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-2	07-21-2015	N	7.4	48	17.1		6	<0.5	12	<0.5	<0.0005	0.008	<0.001	<0.001		0.25	<0.001		0.03	<0.001	<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-2	07-12-2016	N	8.15	46	15.4		5	<0.5	<10	<0.5						0.17			0.029		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-2	04-03-2017	N	7.63	66	1.2		9	<0.5	<10	<0.5						0.2			0.037		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-2	07-26-2017	N	7.97	65	14.2		10	<0.5	<10	<0.5						0.23			0.029		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
AR-2	07-10-2018	N	7.14	74	17.3		9.8	<0.5	<10	<0.5						0.23			0.025		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
AR-2	07-08-2019	N	7.59	57	16		8.7	<0.5	14	<0.5						0.22			0.02		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
AR-2	07-13-2020	N	7.6	36	17.5		5.6	<0.5	14	<0.5	<0.0005	0.0066	<0.001	<0.001		0.19	<0.001		0.017	<0.001	<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
AR-2	07-05-2021	N	7.52	51	18.7		7.9	<0.5	<10	<0.5						0.24			0.019		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
AR-2	07-11-2022	N	7.75	87	19.3		13	<0.5	<10	<0.5						0.19			0.016		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
AR-2	07-12-2023	N	7.34	28	17.9		3.2	<0.5	<10	<0.5						0.26			0.028		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	

TABLE B.3
Summary of Monitoring Data – Surface Water Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																	Volatile Organic Compounds																
			SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Arsenic	Barium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Acetone	Benzene	Butanone (2-) (MEK)	Dichlorodifluoromethane (CFC12)	Dichloroethane (1,1-)	Dioxane (1,4-)	Ethylbenzene	Hexanone (2-)	Isopropyltoluene (p-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethene (TCE)	Xylene (m,p-)	Xylene (o-)	Xylenes (total)
	Fraction		N	N	N	N	N	N	N	N	T	T	T	T	D	T	T	D	T	T	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Aquatic Life Fresh Acute						860				0.34[d,i]											5300		11000			32000				11000	5280		17500	45000			
	Aquatic Life Fresh Chronic						230				0.15[d,i]				1	1															840			21900			
	Human Health Water & Fish							10			0.000018[b,c]	1	(l)	(l) (l)	0.3[j]	0.3[j]		0.05[j]	0.05[j]	0.61		2.2		6900			530				20	10		1300	2.5			
	Human Health Fish Only										0.00014[b,c]							0.1	0.1	4.6		58		570000			2100				1000	29		15000	30			
	GW-1 (AGQS)							10			0.005	2	0.005	0.1			0.015	0.3	0.3	0.1	6000	5	4000	1000	81	0.32	700		260	2000	5	5	600	1000	5	10000	10000	10000
AR-2	08-22-2023	N	7.26	45	13.8																																
AR-2	07-22-2024	N	7.89	66	16.5		9.4	<0.5	<10	<0.5						0.26			0.017		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
AR-3	04-16-1996	N	6.1	60	4.7		4	<0.5	<10	<0.5						*3.6*			*0.13*																		
AR-3	07-09-1996	N	7.1	50	17.4		6	<0.5	10	<0.5						0.1			0.034																		
AR-3	11-11-1996	N	7.1	20	1		2	<0.5	<10	<0.5						0.08			0.021																		
AR-3	04-07-1997	N	7.3	30	12		2	0.1	<20	0.23						*0.83*			*0.07*																		
AR-3	07-07-1997	N	6	27	16.4		2	<0.1	<20	0.67						0.26			0.03																		
AR-3	11-11-1997	N	7.2	20	1.5		2	0.1	24	0.11						0.1			<0.02																		
AR-3	07-13-1998	N	7	30	16		3	0.1	<20	0.22						0.18			0.02																		
AR-3	07-27-1999	N	6.6	60	20		8	0.1	<20	0.23						0.14			<0.02																		
AR-3	07-17-2000	N	7.3	46	18.7		4.56	0.236	<15	0.173						0.25			0.022																		
AR-3	07-09-2001	N	6.9	67	21.5		7.52	0.228	<15	0.168						0.296			0.024																		
AR-3	07-15-2002	N	7	57	14		5.7	0.133	<15	0.186						*0.405*			0.03																		
AR-3	07-14-2003	N	7.4	75	18.7		10.3	0.147	<15	0.112	<0.002	<0.02	<0.003	<0.01		0.142	<0.002		0.02	<0.02																	
AR-3	07-06-2004	N	7.2	67	20.7		6.39	0.251	<15	0.347						*0.345*			0.031																		
AR-3	07-11-2005	N	6.7	41	21.7		5.7	0.071	<15	<0.04						0.148			0.014																		
AR-3	07-10-2006	N	7.1	30	19		6.7	0.14	<15	<0.04						0.215			0.02																		
AR-3	07-23-2007	N	6.7	30	21.2		6.87	0.122	<15	0.121						0.199			0.025																		
AR-3	07-21-2008	N	6.8	20	16.8		4.5	0.07	17	0.26						*0.39*			*0.052*																		
AR-3	07-13-2009	N	6.9	40	13.7		3	<0.5	10	<0.5	<0.0005	0.007	<0.001	<0.001		0.19	<0.001		0.021	<0.001	<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-3	07-15-2010	N	7	40	20.2		4	<0.5	15	0.6						*0.34*			0.029		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-3	07-14-2011	N	6.8	10	20.4		9	<0.5	11	<0.5						0.24			0.027		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-3	07-18-2012	N	7.62	40	19.6		8	<0.5	18	<0.5						0.16			0.017		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-3	07-09-2013	N	7.37	30	17.6		3	<0.5	17	<0.5						0.24			0.019		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-3	07-17-2014	N	7.29	40	16.2		4	<0.5	19	1						0.21			0.022		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-3	07-21-2015	N	7.31	47	17.1		5	<0.5	10	<0.5	<0.0005	0.007	<0.001	<0.001		0.12	<0.001		0.014	<0.001	<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-3	07-12-2016	N	8.06	44	15.2		5	<0.5	<10	0.6						0.11			0.018		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-3	04-03-2017	N	7.1	65	1.2		8	<0.5	<10	<0.5						0.11			0.034		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
AR-3	07-26-2017	N	8.42	64	14.2		10	<0.5	<10	<0.5						0.18			0.019		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
AR-3	07-10-2018	N	7.23	73	17		9.6	<0.5	<10	<0.5					0.068	*0.81*			0.025		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
AR-3	11-05-2018	N	6.96	41	3.8		2.5	<0.5	18	<0.5						0.16			0.028																		
AR-3	07-08-2019	N	7.78	56	15.6		8.8	<0.5	<10	<0.5						0.22			0.023		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
AR-3	07-13-2020	N	7.68	36	17.4		5.7	<0.5	14	<0.5	<0.0005	0.0067	<0.001	<0.001		0.2	<0.001		0.019	<0.001	<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
AR-3	07-05-2021	N	7.79	52	18.1		7.8	<0.5	<10	<0.5						0.23			0.022		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
AR-3	07-11-2022	N	7.54	88	19		13	<0.5	<10	<0.5						0.17			0.019		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
AR-3	07-12-2023	N	7.13	27	18.4		3.2	<0.5	11	<0.5						0.22			0.023		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
AR-3	08-22-2023	N	7.56	46	13.9																																

TABLE B.3
Summary of Monitoring Data – Surface Water Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																	Volatile Organic Compounds																
			SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Arsenic	Barium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Acetone	Benzene	Butanone (2-) (MEK)	Dichlorodifluoromethane (CFC12)	Dichloroethane (1,1-)	Dioxane (1,4-)	Ethylbenzene	Hexanone (2-)	Isopropyltoluene (p-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethene (TCE)	Xylene (m,p-)	Xylene (o-)	Xylenes (total)
		Fraction	N	N	N	N	N	N	N	N	T	T	T	T	D	T	T	D	T	T	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Aquatic Life Fresh Acute					860				0.34[d,i]											5300		11000			32000				11000	5280		17500	45000			
		Aquatic Life Fresh Chronic					230				0.15[d,i]				1	1															840			21900			
		Human Health Water & Fish						10			0.000018[b,c]	1	(l)	(l) (l)	0.3[j]	0.3[j]		0.05[j]	0.05[j]	0.61		2.2		6900			530				20	10		1300	2.5			
		Human Health Fish Only									0.00014[b,c]							0.1	0.1	4.6		58		570000			2100				1000	29		15000	30			
		GW-1 (AGQS)						10			0.005	2	0.005	0.1			0.015	0.3	0.3	0.1	6000	5	4000	1000	81	0.32	700		260	2000	5	5	600	1000	5	10000	10000	10000
AR-3	07-22-2024	N	7.6	64	17		9.4	<0.5	<10	<0.5						0.26			0.023		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-101	07-07-1997	N	6.8	63	15																																		
S-101	07-13-1998	N	7	50	14.8																																		
S-101	07-27-1999	N	6.8	84	9		1	0.1	<20	0.18						<0.03			<0.02																				
S-101	07-17-2000	N	8	58	12.7		<4	0.405	<15	<0.040						0.057			<0.005																				
S-101	07-09-2001	N	6.9	77	15		<2.5	0.268	<15	0.251						0.149			0.005																				
S-101	07-15-2002	N	6.8	75	16		<2.5	0.503	<15	0.098						0.044			<0.005																				
S-101	07-14-2003	N	6.6	108	9.6		<2.5	0.506	20	0.46	<0.002	<0.02	<0.003	<0.01		0.095	<0.002		0.007	<0.02																				
S-101	07-06-2004	N	7.1	78	10.2		<2.5	0.631	<15	0.098						0.016			<0.005																				
S-101	07-11-2005	N	7	77	9		<2.5	0.023	<15	<0.04						*0.999*			*0.07*																				
S-101	07-10-2006	N	6.7	90	10.1		<2.5	0.372	<15	<0.04						*1.16*			0.017																				
S-101	07-23-2007	N	6.4	50	9.5		<2.5	0.407	<15	<0.05						0.032			<0.02																				
S-101	07-21-2008	N	5.5	50	10.1		<2.5	0.46	<10	0.24						0.046			<0.02																				
S-101	07-13-2009	N	6.8	60	10		1	<0.5	<10	<0.5	<0.0005	0.004	<0.001	<0.001		<0.05	<0.001		<0.005	<0.001	<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-101	07-15-2010	N	7.1	30	11		<1	<0.5	<10	<0.5						0.06			<0.005		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-101	07-14-2011	N	6.7	60	16.7		<1	0.6	<10	<0.5						<0.05			<0.005		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-101	07-18-2012	N	7.25	130	9.7		2	<0.5	11	<0.5						<0.05			<0.005		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-101	07-09-2013	N	7.05	70	10.1		1	<0.5	<10	<0.5						0.14			0.016		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-101	07-17-2014	N	6.97	73	8.2		1	<0.5	<10	2.3						<0.05			<0.005		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-101	07-21-2015	N	7.52	68	8.8		1	<0.5	<10	<0.5	<0.0005	0.005	<0.001	<0.001		<0.05	<0.001		<0.005	<0.001	<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-101	07-12-2016	N	8.16	79	8.8		<1	<0.5	<10	0.8						*0.45*			0.016		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-101	04-03-2017	N	7.43	79	6.3		2	<0.5	<10	<0.5						<0.05			<0.005		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-101	07-26-2017	N	7.95	78	8		1	<0.5	<10	<0.5						<0.05			<0.005		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
S-101	07-10-2018	N	6.85	92	10		1.8	<0.5	<10	<0.5						*2.1*			*0.14*		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
S-101	11-05-2018	N	7.02	94	6.6		1.4	<0.5	<10	<0.5						<0.05			<0.005																			
S-101	07-08-2019	N	7.31	327	8.7		69	<0.5	<10	<0.5						<0.05			<0.005		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
S-101	11-05-2019	N	7.42	135	6.7		10	0.56	<10	<0.5						<0.05			<0.005		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
S-101	04-20-2020	N	7.69	113	6.6		7.3	0.61	<10	<0.5						<0.05			<0.005		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-101	07-13-2020	N	7.46	91	9		5.9	<0.5	<10	<0.5	<0.0005	0.005	<0.001	<0.001		0.069	<0.001		<0.005	<0.001	<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-101	07-05-2021	N	7.53	72	9.3		1.6	0.53	<10	<0.5						*0.54*			0.0059		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-101	07-11-2022	N	7.65	111	8.7		1.2	<0.5	<10	<0.5						<0.05			<0.005		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-101	07-12-2023	N	6.92	81	9.9		1.1	<0.5	<10	<0.5						0.27			0.013		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-101	08-22-2023	N	7.35	86	8.6	<0.1																																
S-101	07-22-2024	N	7.85	62	6.2		<1	<0.5	<10	<0.5						0.23			0.0067		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-108	05-05-1995	N																							5												
S-108	07-07-1997	N	6.9	500	24.1																				1.3												

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Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																	Volatile Organic Compounds																
			SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Arsenic	Barium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Acetone	Benzene	Butanone (2-) (MEK)	Dichlorodifluoromethane (CFC12)	Dichloroethane (1,1-)	Dioxane (1,4-)	Ethylbenzene	Hexanone (2-)	Isopropyltoluene (p-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethene (TCE)	Xylene (m,p-)	Xylene (o-)	Xylenes (total)
		Fraction	N	N	N	N	N	N	N	N	T	T	T	T	D	T	T	D	T	T	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Aquatic Life Fresh Acute					860				0.34[d,i]											5300		11000			32000				11000	5280		17500	45000			
		Aquatic Life Fresh Chronic					230				0.15[d,i]				1	1															840			21900			
		Human Health Water & Fish						10			0.000018[b,c]	1	(l)	(l) (l)	0.3[j]	0.3[j]		0.05[j]	0.05[j]	0.61		2.2		6900			530				20	10		1300	2.5			
		Human Health Fish Only									0.00014[b,c]							0.1	0.1	4.6		58		570000			2100				1000	29		15000	30			
		GW-1 (AGQS)						10			0.005	2	0.005	0.1			0.015	0.3	0.3	0.1	6000	5	4000	1000	81	0.32	700		260	2000	5	5	600	1000	5	10000	10000	10000
S-108	07-13-1998	N	6.6	320	15.5																			2.6	<1												
S-108	07-27-1999	N	6.7	309	13		11	<0.1	1900	1.8						*170*			***13***					1.3	0.9												
S-108	07-17-2000	N	7.3	277	13.2		7.03	0.464	80	0.506						*66.5*			***3.53***					<10	1.4												
S-108	07-09-2001	N	6.6	260	16.9		9.72	0.488	<15	0.364						*469*			***18.3***					<10	2												
S-108	07-15-2002	N	6.5	236	14.6		7.24	0.026	101	3.79						*20.6*			***4.2***					<10	1.3												
S-108	07-14-2003	N	7	254	13.5		12.7	0.184	340	6.7	***0.042***	0.259	<0.003	0.039		*54*	***0.077***		***21.7***	*0.023*				<5	1.1												
S-108	07-06-2004	N	6.9	255	13.5		6.64	1.94	308	2.76						*30.2*			***87.6***					<5	1												
S-108	07-11-2005	N	6.3	154	11.8		7.56	0.064	680	7.94						*139*			***197***					<5	<1												
S-108	07-10-2006	N	6.7	240	12.5		6.88	0.138	<15	10.3						*54.9*			***10.4***					<5	<1												
S-108	07-23-2007	N	6.9	160	11.1		6.46	0.503	<15	0.34						*0.415*			***7.18***					<5	<1												
S-108	07-21-2008	N	6.2	100	20.6		5.4	0.03	84	28						*19*			***8.3***					<5	<1												
S-108	07-13-2009	N	6.8	170	13		6	<0.5	140	<0.5	***0.0063***	0.16	<0.001	0.007		*10*	*0.014*		***13***	0.007	<10	<1	<10	<5	<2	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-108	07-15-2010	N	6.8	150	20.8		17	<0.5	31	<0.5						*2.4*			***2.8***		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-108	07-14-2011	N	7	130	16.1		6	<0.5	770	0.5						*39*			***16***		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-108	07-18-2012	N	7.25	370	15.7		5	<0.5	15	<0.5						*2*			***2***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-108	07-09-2013	N	6.85	190	16		6	0.7	14	<0.5						*20*			***14***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-108	07-17-2014	N	7.08	166	15.3		6	<0.5	52	0.9						*45*			***30***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-108	07-21-2015	N	7.09	208	14.7		6	<0.5	12	0.6	***0.0053***	0.071	<0.001	0.002		*5.6*	*0.006*		***7.1***	0.004	<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-108	07-12-2016	N	7.19	192	13.9		5	<0.5	<10	0.5						*1.9*			***2.3***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-108	04-03-2017	N	7.18	162	5		5	0.5	25	<0.5						*4.3*			***6.6***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-108	07-26-2017	N	8.37	165	12.8		5	3.1	71	0.65						*7.1*			***5.3***		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
S-108	07-10-2018	N	6.48	240	14.3		8.9	<0.5	350	0.69						*20*			***26***		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
S-108	07-08-2019	N	7.24	249	13.7		5.8	<0.5	38	0.92						*2.4*			***6***		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
S-108	04-20-2020	N	6.96	164	11.8																					<0.25											
S-108	07-13-2020	N	6.66	188	15.3		11	<0.5	58	<0.5	*0.0024*	0.08	<0.001	0.0046		*5.5*	*0.0033*		***7.5***	0.0048	<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-108	12-15-2020	N	7.67	154	4.8		5	<0.5	14	<0.5						0.29			***0.94***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-108	01-13-2021	N	7.68	154	6.3		5.8	<0.5	24	<0.5						0.23			***0.37***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-108	02-15-2021	N	7.81	166	4.1		9.6	0.55	140	<0.5						*2.6*			***1.5***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-108	03-17-2021	N	7.48	170	5.1		5	<0.5	<10	<0.5						0.16			*0.19*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-108	04-19-2021	N	7.34	150	9.7		6.6	<0.5	12	<0.5						*0.91*			***0.6***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-108	07-05-2021	N	6.75	168	14.7		7.5	<0.5	14	<0.5						*0.41*			*0.22*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-108	07-11-2022	N	6.87	165	13.2		6.2	<0.5	<10	<0.5						0.3			***0.36***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-108	07-12-2023	N	7.22	143	16.7		6	<0.5	14	<0.5						*2.3*			***2***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-108	08-22-2023	N	7	142	13.5	<0.1																															
S-108	07-22-2024	N	7.02	138	15		5.2	<0.5	100	<0.5						*1.3*			***1.5***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-109	05-05-1995	N																						4												
S-109	07-07-1997	N	6.9	434	8.1																			1.2												

TABLE B.3
Summary of Monitoring Data – Surface Water Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Field Parameters / Indicator Parameters / Metals																	Volatile Organic Compounds																
			SU	uS/cm	C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			pH	Specific Conductance	Temperature	Bromide	Chloride	Nitrate	Chemical Oxygen Demand	Total Kjeldahl Nitrogen (TKN)	Arsenic	Barium	Cadmium	Chromium	Iron	Iron	Lead	Manganese	Manganese	Nickel	Acetone	Benzene	Butanone (2-) (MEK)	Dichlorodifluoromethane (CFC12)	Dichloroethane (1,1-)	Dioxane (1,4-)	Ethylbenzene	Hexanone (2-)	Isopropyltoluene (p-)	Methyl-2-pentanone (4-) (MIBK)	Methylene Chloride (Dichloromethane)	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethene (TCE)	Xylene (m,p-)	Xylene (o-)	Xylenes (total)
		Fraction	N	N	N	N	N	N	N	N	T	T	T	T	D	T	T	D	T	T	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Aquatic Life Fresh Acute					860				0.34[d,i]											5300		11000			32000				11000	5280		17500	45000			
		Aquatic Life Fresh Chronic					230				0.15[d,i]				1	1															840			21900			
		Human Health Water & Fish						10			0.000018[b,c]	1	[l]	[l] [l]	0.3[j]	0.3[j]		0.05[j]	0.05[j]	0.61		2.2		6900			530				20	10		1300	2.5			
		Human Health Fish Only									0.00014[b,c]							0.1	0.1	4.6		58		570000			2100				1000	29		15000	30			
		GW-1 (AGQS)						10			0.005	2	0.005	0.1			0.015	0.3	0.3	0.1	6000	5	4000	1000	81	0.32	700		260	2000	5	5	600	1000	5	10000	10000	10000
S-109	07-13-1998	N	6.7	280	15.2																<10			2.7	1.1						<1			<1			
S-109	07-27-1999	N	6.9	271	15		5	<0.1	437	0.6						*3*			***7.3***		<10			1.6	1						<1			<1			
S-109	07-17-2000	N	7.1	245	12.4		4.13	0.94	332	0.28						*9.68*			***10.5***		<20			<10	1.3						2			1.2			
S-109	07-09-2001	N	6.5	234	16.8		6.34	0.138	<15	1.31						*110*			***40.6***		<20			<10	1.4						<1			<1			
S-109	07-15-2002	N	6.6	198	14.8		5.18	0.105	373	13.6						*16.4*			***32.6***		<20			<10	<10						<1			<1			
S-109	07-14-2003	N	7.1	220	11		6.26	<0.020	103	2.52	***0.006***	0.11	<0.003	<0.01		*4.99*	*0.008*		***11.5***	<0.02	<10			<5	1.4						<1			<1			
S-109	07-06-2004	N	7.3	180	12.8		23.2	0.29	570	179						*1130*			***2360***		<10			<5	1.1						<1			<1			
S-109	07-11-2005	N	6.4	207	10.6		5.25	0.295	133	11.9						*14.8*			***300***		49			<5	<1						<1			<1			
S-109	07-10-2006	N	7	250	13.4		5.12	0.131	<15	1.47						*7.96*			***17.8***		<10			<5	<1						<1			<1			
S-109	07-23-2007	N	6.8	130	14.9		4.55	0.063	<15	0.197						0.093			***1.07***		<10			<5	<1						<1			<1			
S-109	07-21-2008	N	6.2	90	20.1		4.6	0.04	18	0.81						*6.2*			***25***		<10			<5	<1						<1			<1			
S-109	07-13-2009	N	7.2	190	13.3		5	<0.5	<10	<0.5	*0.0012*	0.012	<0.001	0.001		*1.1*	*0.001*		***1.7***	0.001	<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-109	07-15-2010	N	7.1	140	17.2		5	<0.5	<10	<0.5						*0.37*			***0.66***		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-109	07-14-2011	N	6.9	150	21.9		5	<0.5	94	0.5						*16*			***21***		<10	<1	<10	<5	<2	<1	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-109	07-18-2012	N	6.75	390	17.3		8	<0.5	14	<0.5						*2.9*			***2.1***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-109	07-09-2013	N	7.29	170	16		5	1.2	<10	<0.5						*1.9*			***2.6***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-109	07-17-2014	N	7.18	165	14.4		5	<0.5	19	1						*0.65*			***1.5***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-109	07-21-2015	N	7.46	162	14.4		5	<0.5	<10	<0.5	***0.006***	0.11	<0.001	0.011		*8.2*	*0.01*		***14***	0.008	<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-109	07-12-2016	N	7.67	167	13.9		4	<0.5	17	0.6						*4.8*			***7.8***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-109	04-03-2017	N	6.78	152	4.8		13	<0.5	86	0.6						*24*			***43***		<10	<1	<10	<5	<2	<0.25	<1	<10	<1	<10	<5	<2	<10	<1	<2	<1	<1	
S-109	07-26-2017	N	7.89	177	14.3		4	<0.5	51	0.95						*1.8*			***1.6***		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
S-109	07-10-2018	N	7.01	193	15.1		4.4	<0.5	53	<0.5						*1.3*			***1.3***		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
S-109	07-08-2019	N	7.11	157	14		4.3	<0.5	<10	<0.5						0.28			***0.84***		<10	<1	<10	<5	<1	<0.25	<1	<10	<1	<10	<5	<1	<10	<1	<1	<1	<1	
S-109	04-20-2020	N	7.71	149	9.3																					<0.25											
S-109	07-13-2020	N	7.05	171	15.8		5.1	<0.5	<10	<0.5	<0.0005	0.0042	<0.001	<0.001		*0.4*	<0.001		***0.47***	<0.001	<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-109	12-15-2020	N	7.46	150	6.1		5	<0.5	25	<0.5						*3.5*			***5.6***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-109	01-13-2021	N	7.68	150	6.8		5.2	<0.5	95	<0.5						*0.95*			***1.8***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-109	02-15-2021	N	8.05	138	4.4		6.2	<0.5	57	<0.5						*1.6*			***0.7***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-109	03-17-2021	N	7.78	146	4.8		4.9	<0.5	18	0.73						*0.8*			***0.84***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-109	04-19-2021	N	7.6	142	10.1		5.3	<0.5	<10	<0.5						*1.5*			***0.48***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-109	07-05-2021	N	7.12	152	15.3		5.4	<0.5	<10	<0.5						*0.91*			*0.23*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-109	07-11-2022	N	7.07	165	14.3		6.7	<0.5	23	0.75						*1.8*			***3.1***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-109	07-12-2023	N	7.04	133	16.3		5.5	<0.5	<10	<0.5						<0.05			***0.41***		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	
S-109	08-22-2023	N	7.26	138	14.2	<0.1																															
S-109	07-22-2024	N	7.3	178	14.6		4.9	<0.5	<10	<0.5						0.098			*0.29*		<10	<1	<10	<2	<1	<0.25	<1	<10	<1	<10	<1	<1	<10	<1	<1	<1	<1	

Appendix C

Time-Series Plots

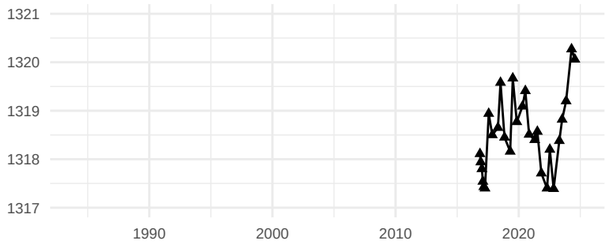
Appendix C.1

Groundwater Analytical Results
(Field and Indicator Parameters, VOCs)

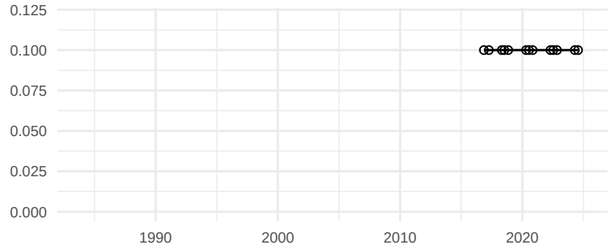
BACKGROUND WELLS

B−923U

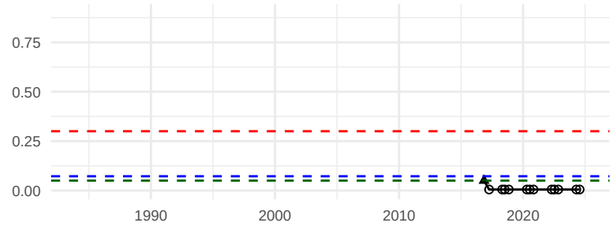
Groundwater Elevation (ft) :



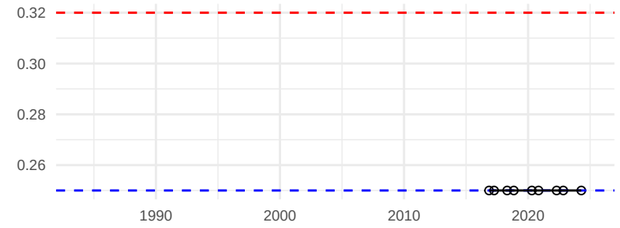
Bromide (mg/L) :



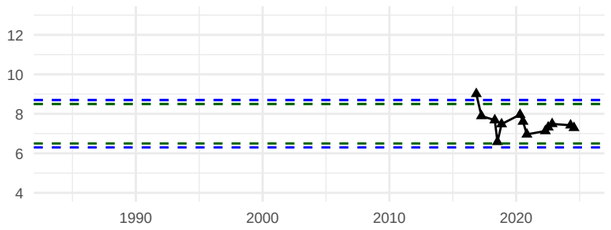
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



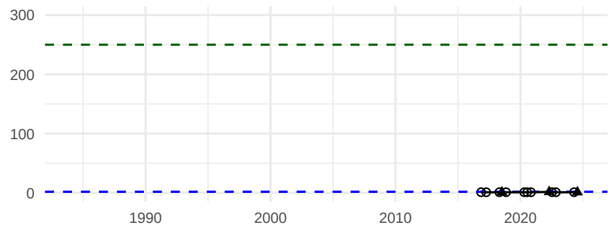
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



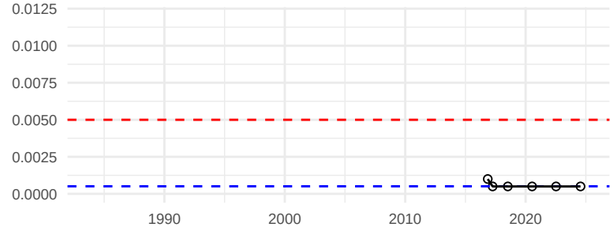
pH (SU) :
SMCL: 6.5 − 8.5 SU



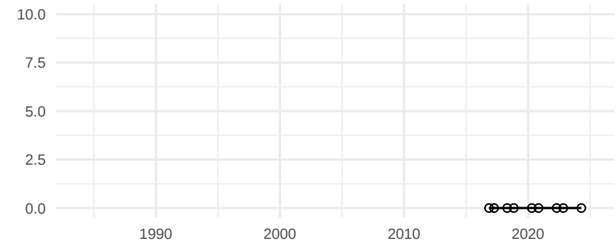
Chloride (mg/L) :
SMCL: 250 mg/L



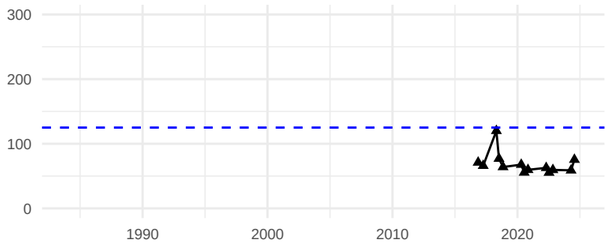
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



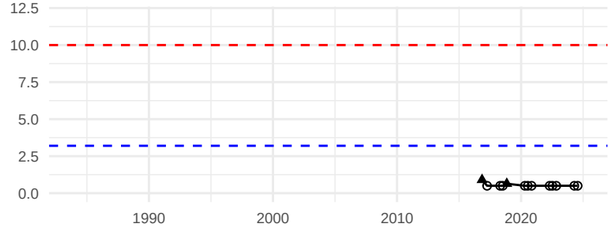
Total VOCs (ug/L) :



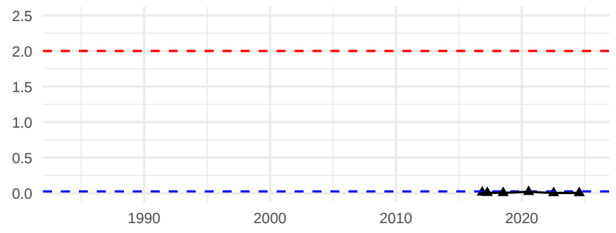
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



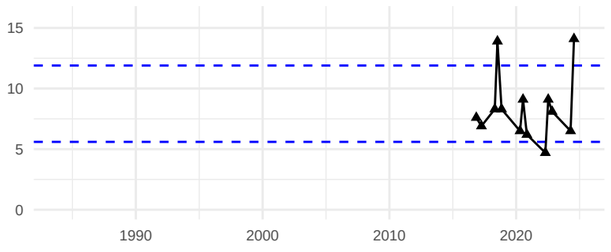
Result

- Detect
- Non−Detect

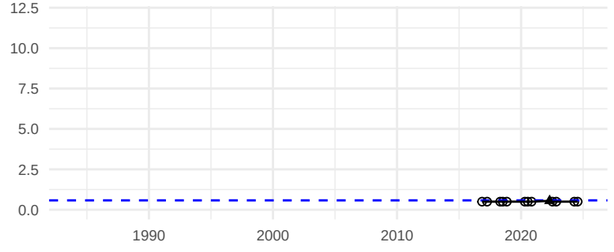
Standard

- AGQS
- SMCL
- Background

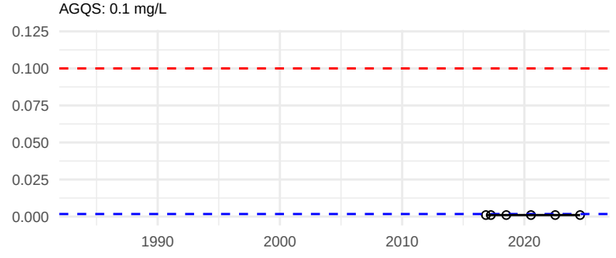
Temperature (C) :

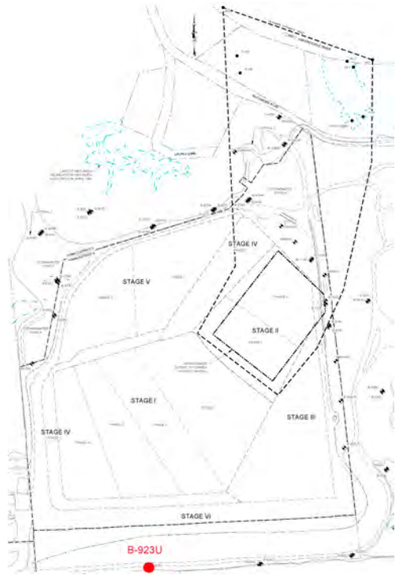


Total Kjeldahl Nitrogen (TKN) (mg/L) :

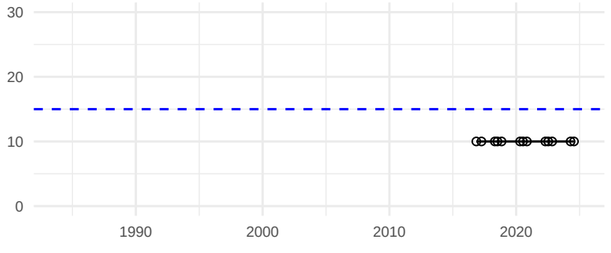


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

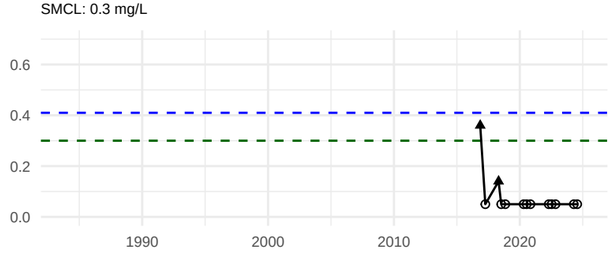




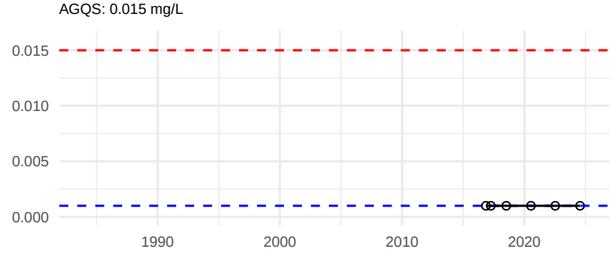
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



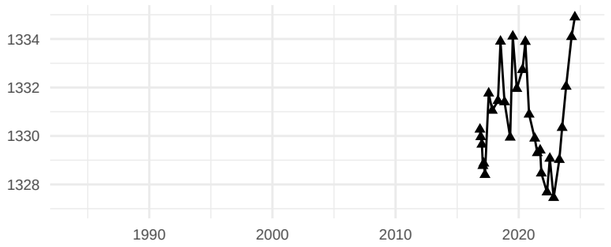
Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L



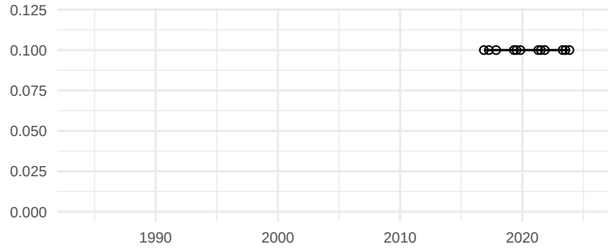
Sanborn, Head & Associates, Inc.

B−924U

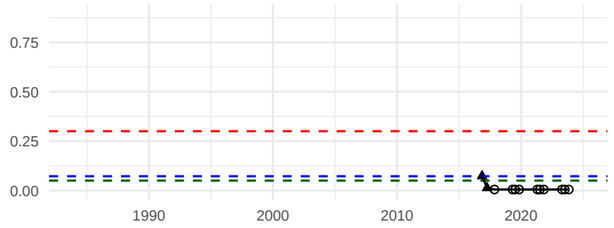
Groundwater Elevation (ft) :



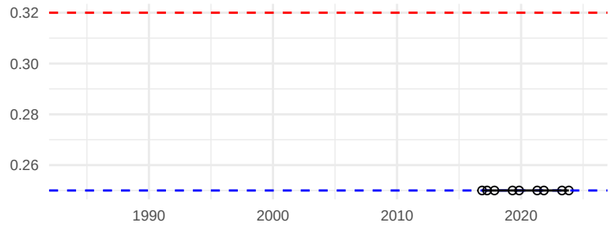
Bromide (mg/L) :



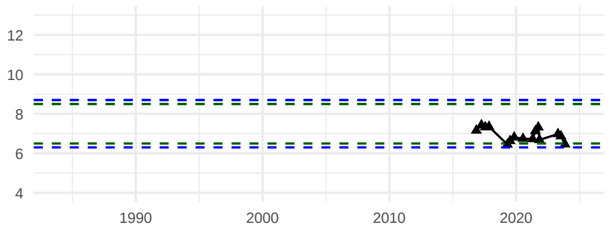
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



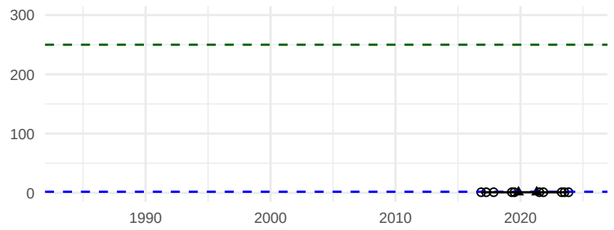
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



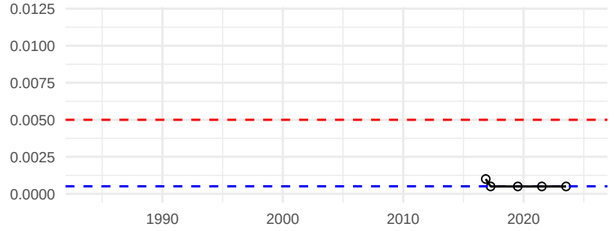
pH (SU) :
SMCL: 6.5 − 8.5 SU



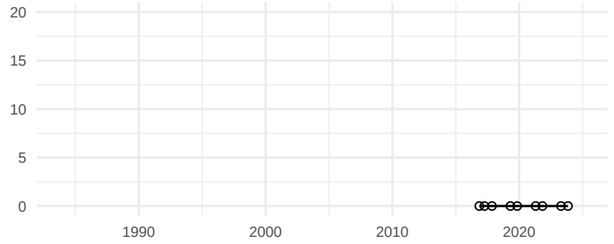
Chloride (mg/L) :
SMCL: 250 mg/L



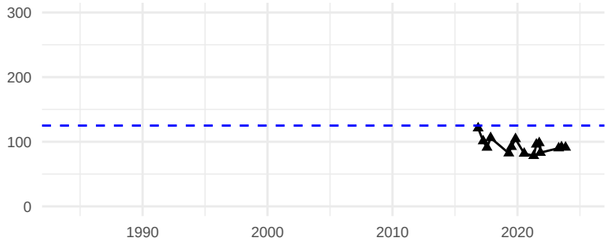
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



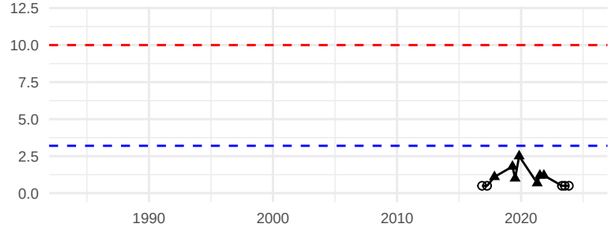
Total VOCs (ug/L) :



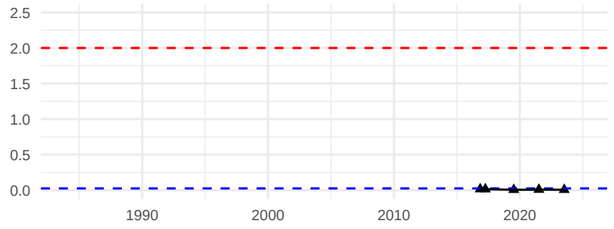
Specific Conductance (uS/cm) :



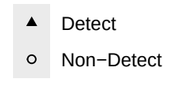
Nitrate (mg/L) :
AGQS: 10 mg/L



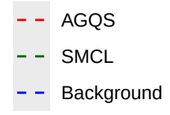
Dissolved Barium (mg/L) :
AGQS: 2 mg/L



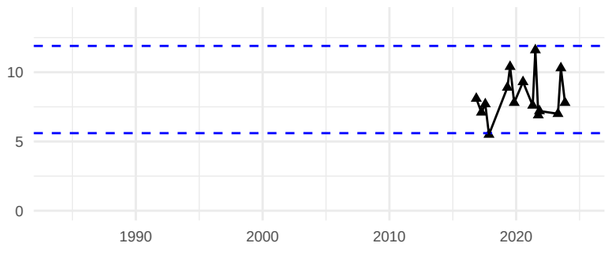
Result



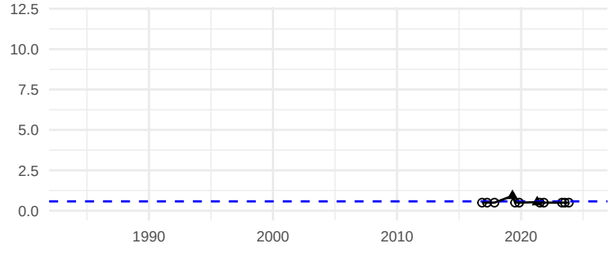
Standard



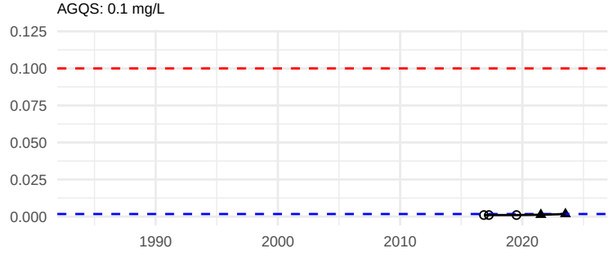
Temperature (C) :

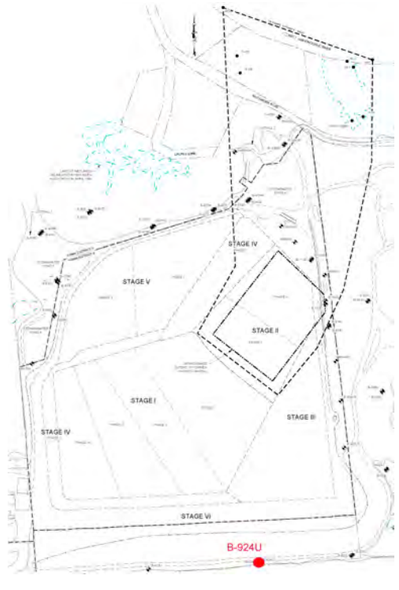


Total Kjeldahl Nitrogen (TKN) (mg/L) :

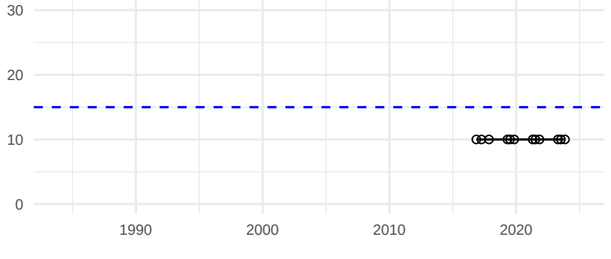


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

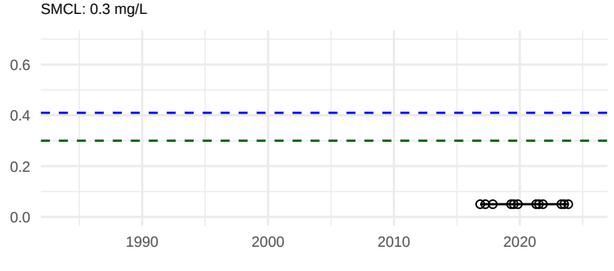




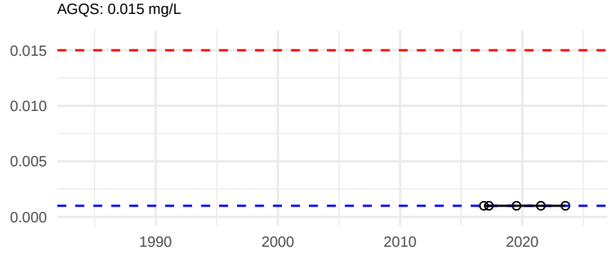
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L

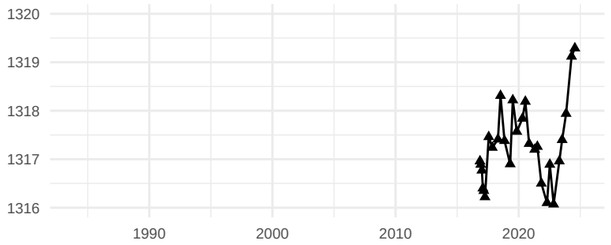


Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L

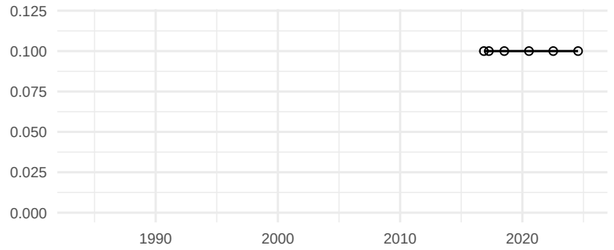


B−924L

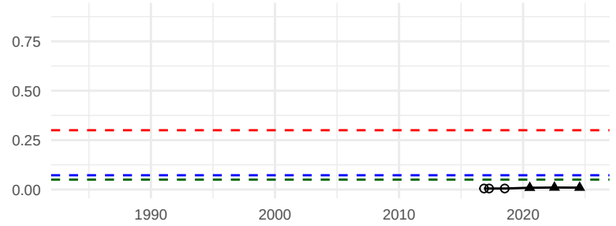
Groundwater Elevation (ft) :



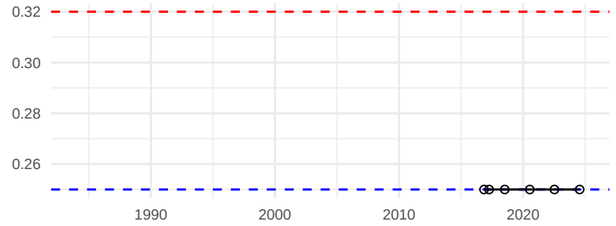
Bromide (mg/L) :



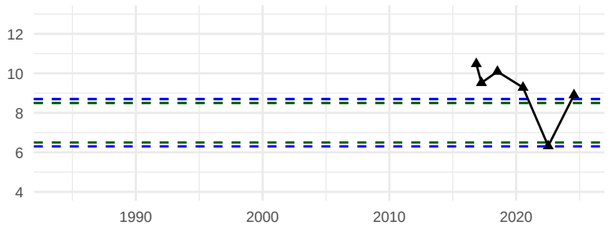
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



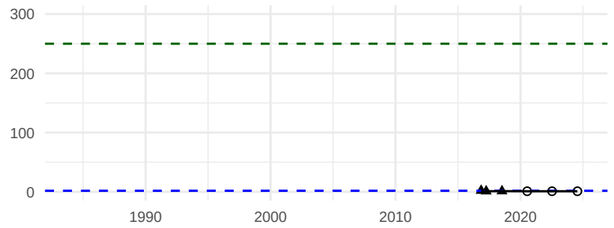
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



pH (SU) :
SMCL: 6.5 − 8.5 SU

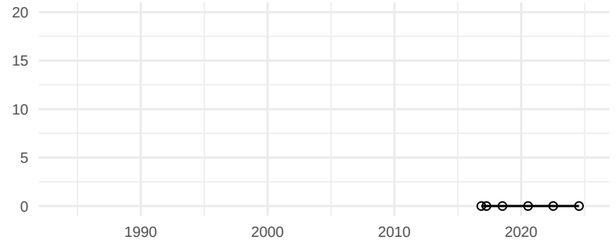


Chloride (mg/L) :
SMCL: 250 mg/L

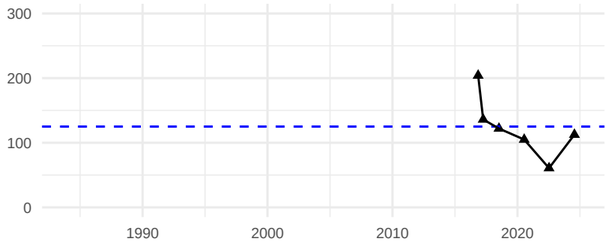


Dissolved Arsenic (mg/L) :
No Data

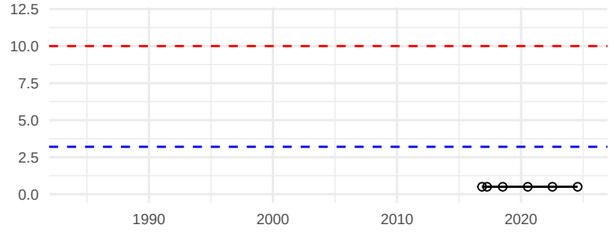
Total VOCs (ug/L) :



Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
No Data

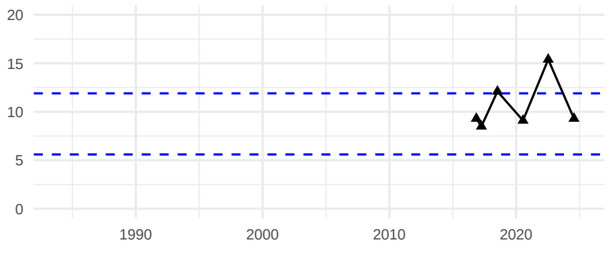
Result

- Detect
- Non−Detect

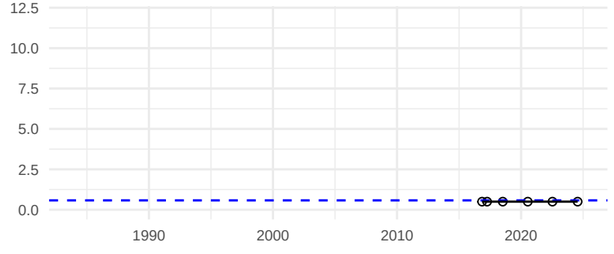
Standard

- AGQS
- SMCL
- Background

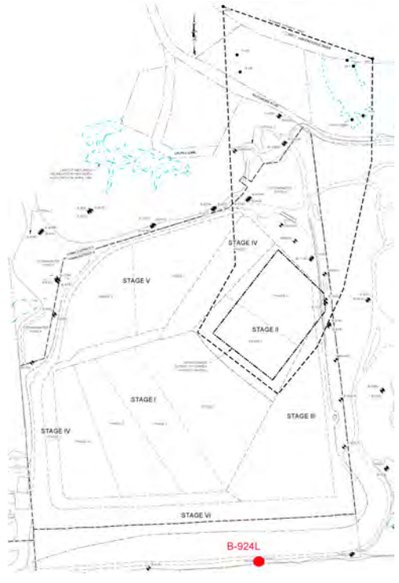
Temperature (C) :



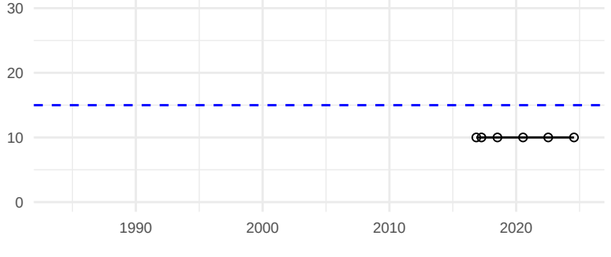
Total Kjeldahl Nitrogen (TKN) (mg/L) :



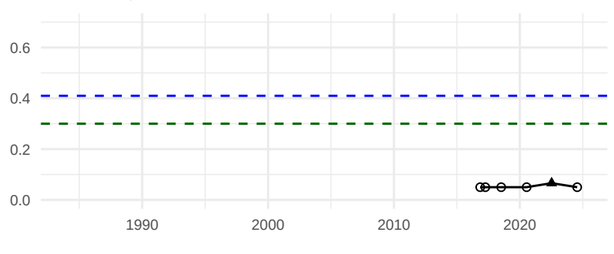
Dissolved Chromium (mg/L) :
No Data



Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
No Data

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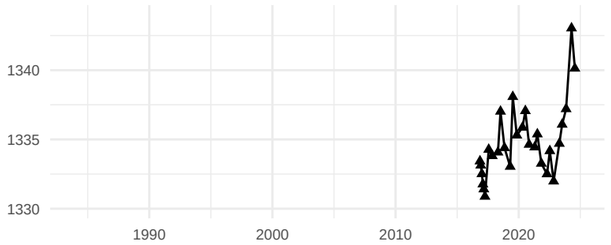
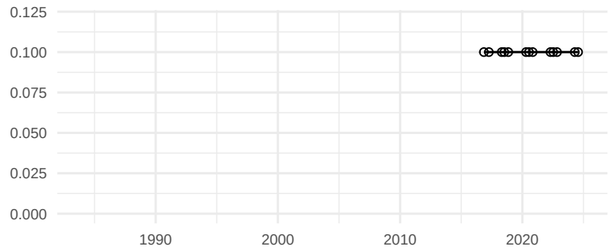
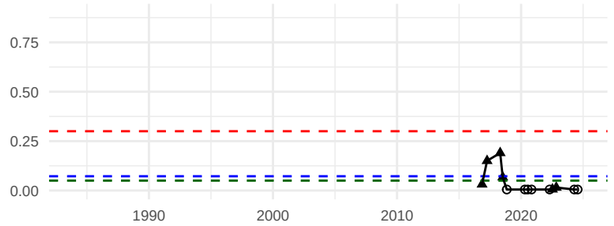
Groundwater Elevation (ft) :



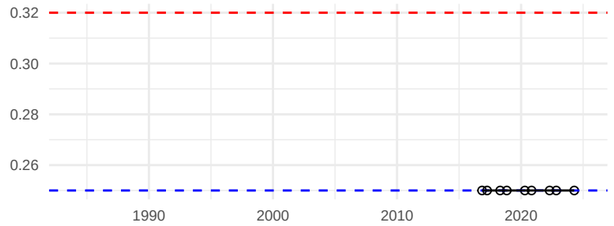
Bromide (mg/L) :



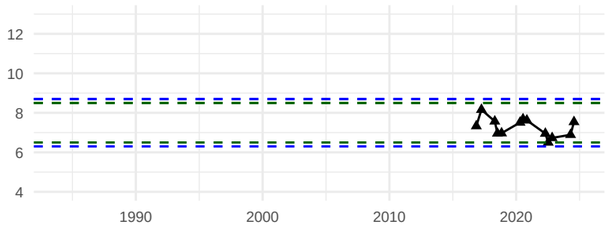
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



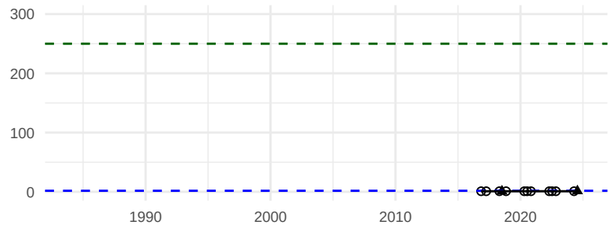
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



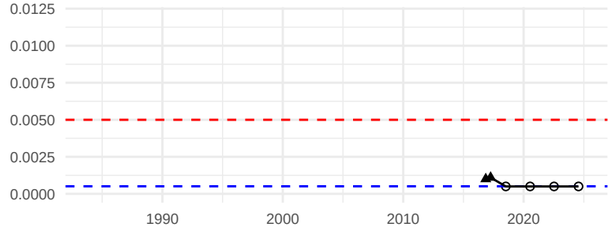
pH (SU) :
SMCL: 6.5 − 8.5 SU



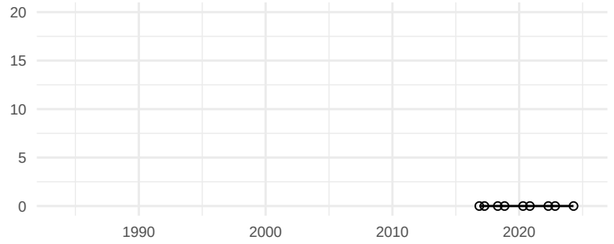
Chloride (mg/L) :
SMCL: 250 mg/L



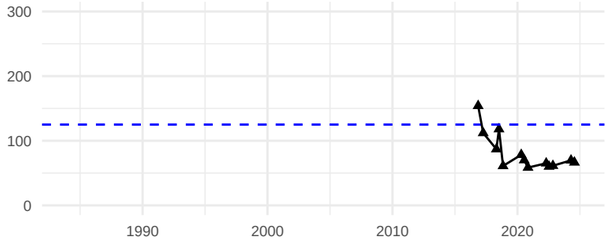
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



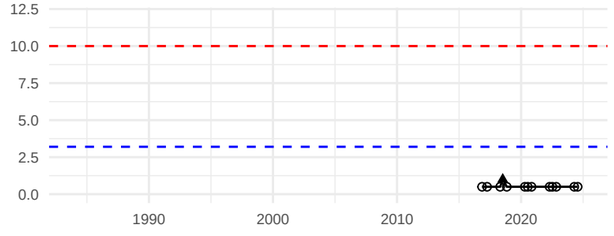
Total VOCs (ug/L) :



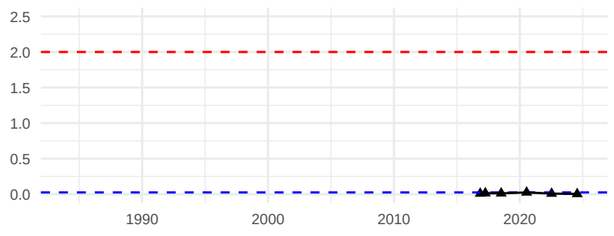
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



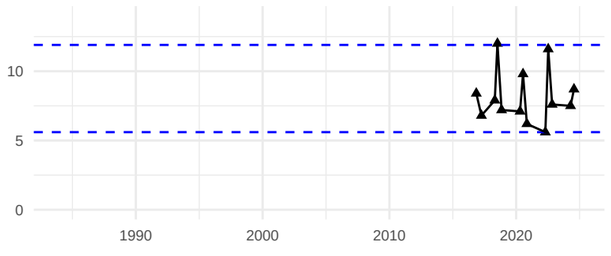
Result

- Detect
- Non−Detect

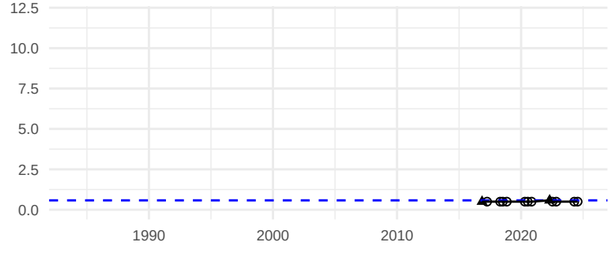
Standard

- AGQS
- SMCL
- Background

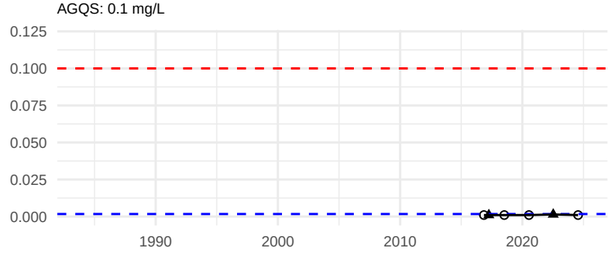
Temperature (C) :



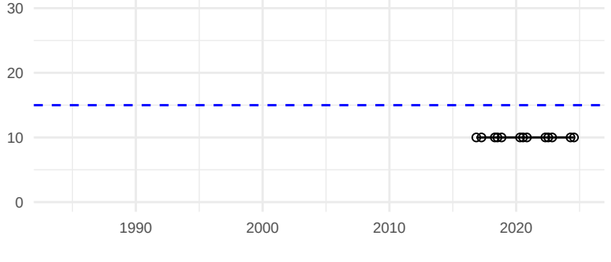
Total Kjeldahl Nitrogen (TKN) (mg/L) :



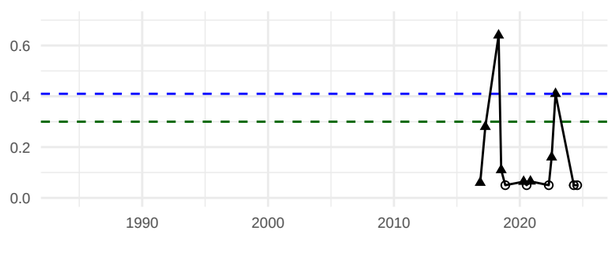
Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L



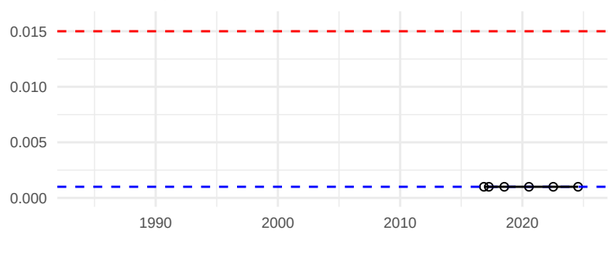
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L



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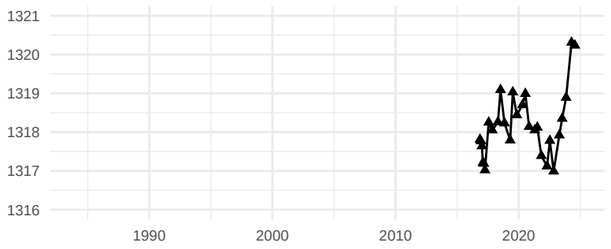
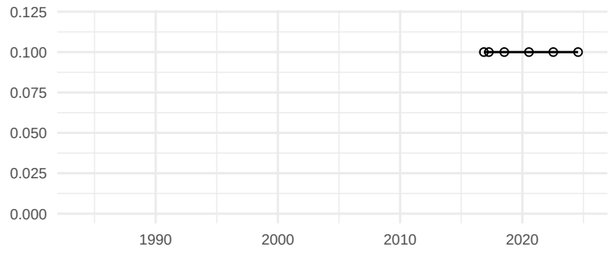
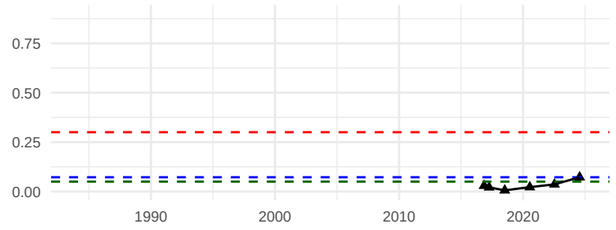
Groundwater Elevation (ft) :



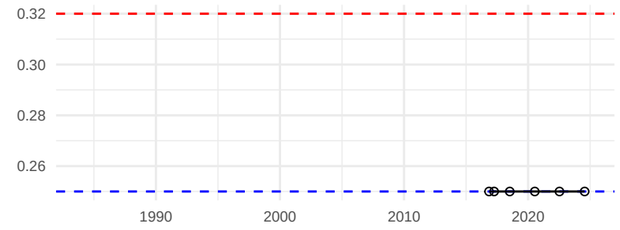
Bromide (mg/L) :



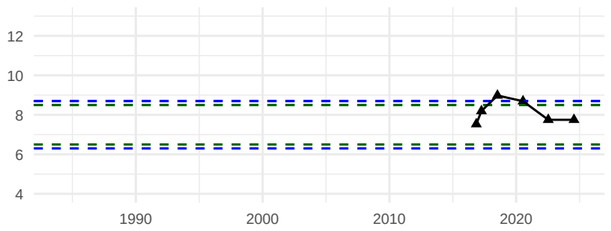
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



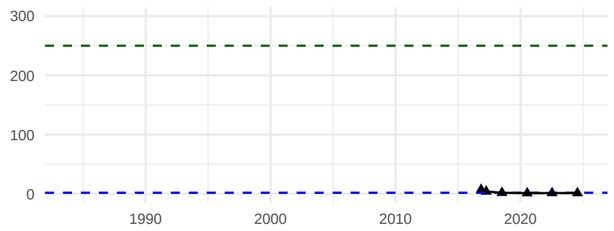
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



pH (SU) :
SMCL: 6.5 − 8.5 SU

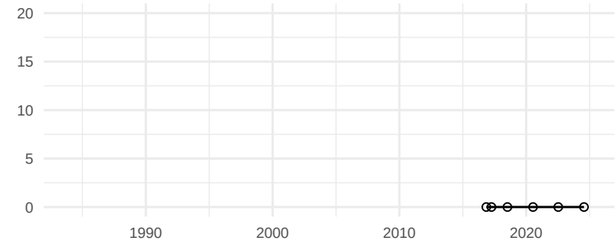


Chloride (mg/L) :
SMCL: 250 mg/L

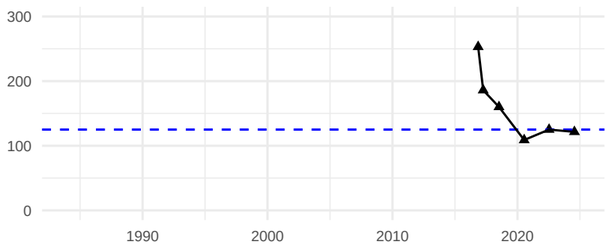


Dissolved Arsenic (mg/L) :
No Data

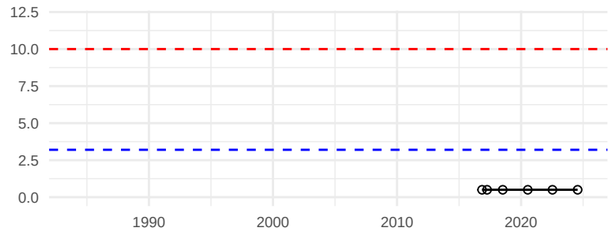
Total VOCs (ug/L) :



Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
No Data

Result

Detect

Non−Detect

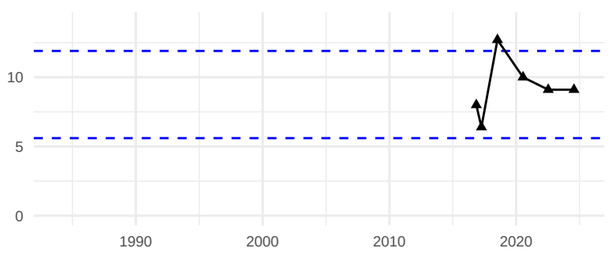
Standard

AGQS

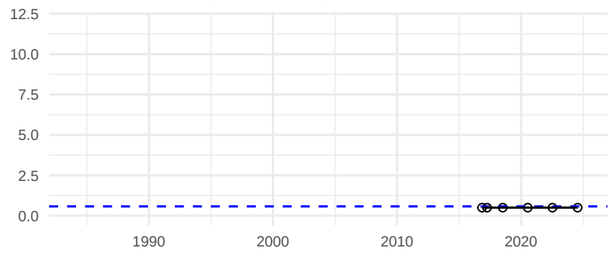
SMCL

Background

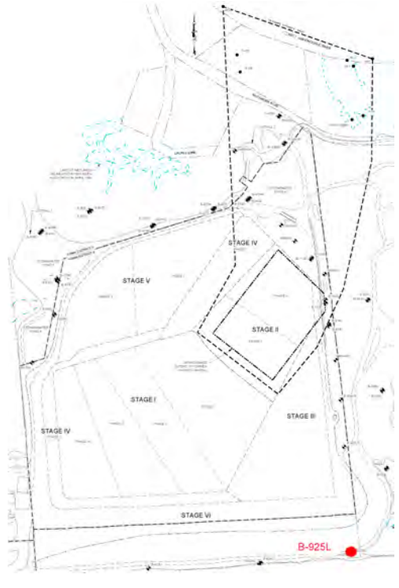
Temperature (C) :



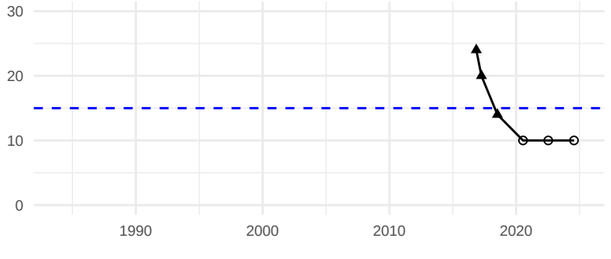
Total Kjeldahl Nitrogen (TKN) (mg/L) :



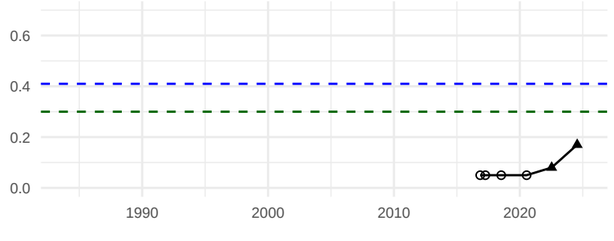
Dissolved Chromium (mg/L) :
No Data



Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
No Data

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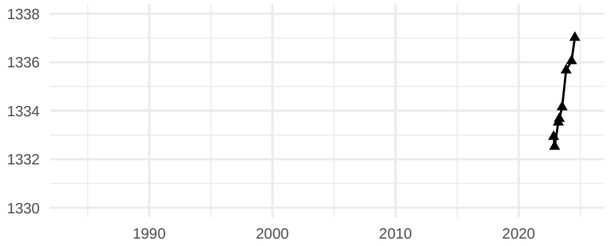
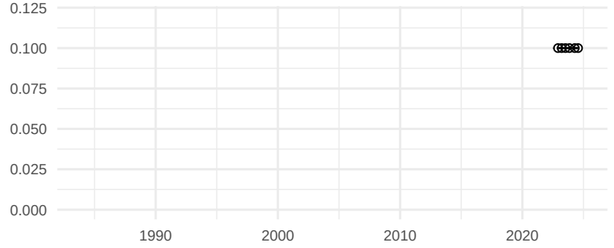
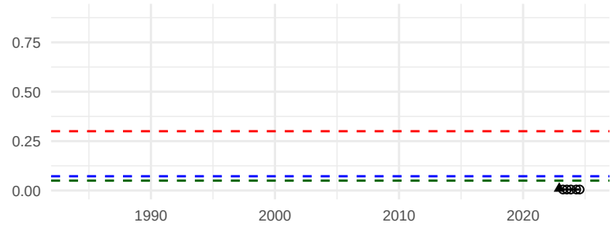
Groundwater Elevation (ft) :



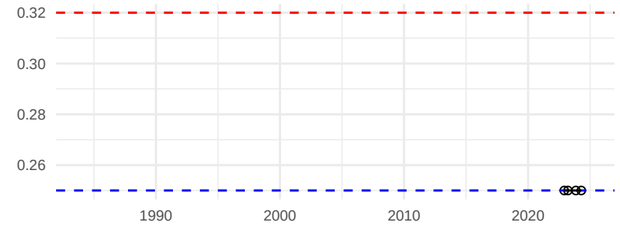
Bromide (mg/L) :



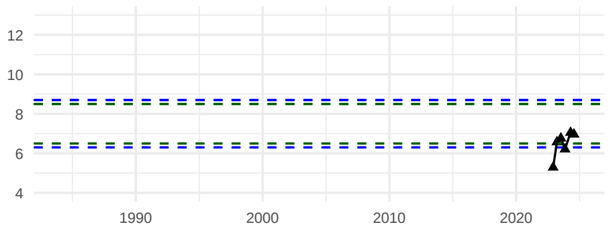
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



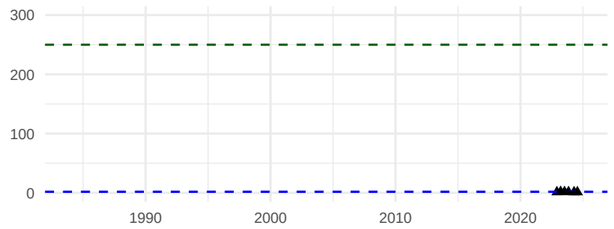
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



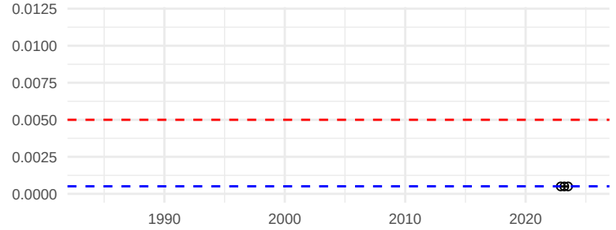
pH (SU) :
SMCL: 6.5 − 8.5 SU



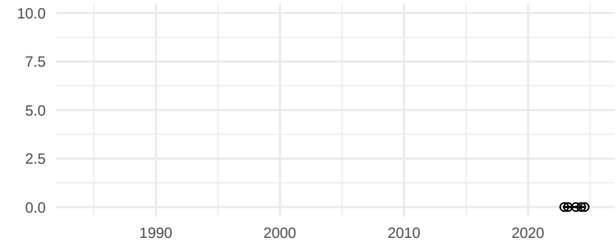
Chloride (mg/L) :
SMCL: 250 mg/L



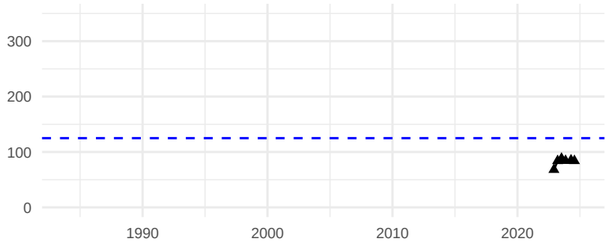
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



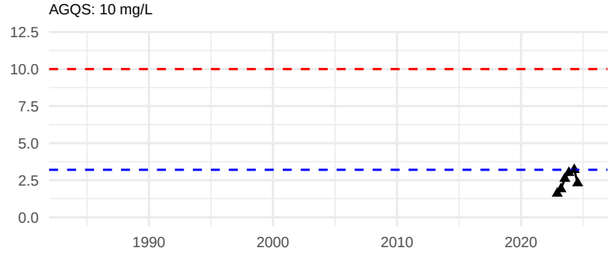
Total VOCs (ug/L) :



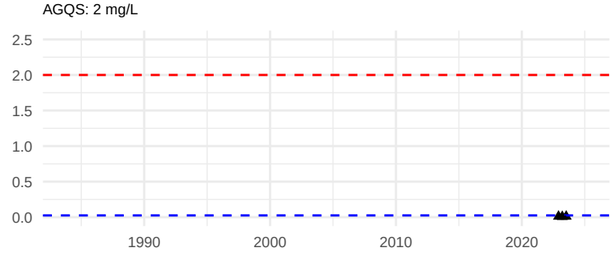
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



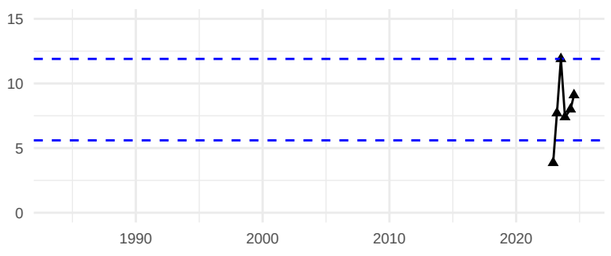
Result

- Detect
- Non−Detect

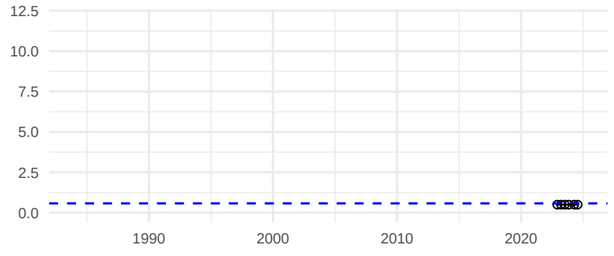
Standard

- AGQS
- SMCL
- Background

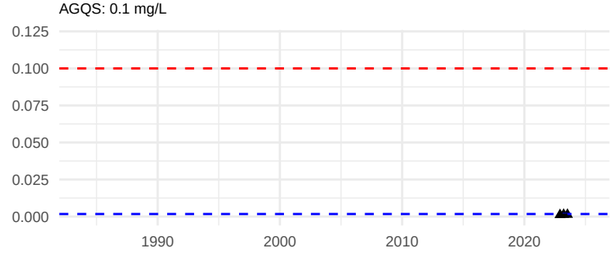
Temperature (C) :



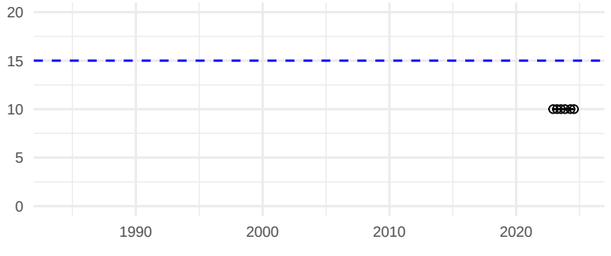
Total Kjeldahl Nitrogen (TKN) (mg/L) :



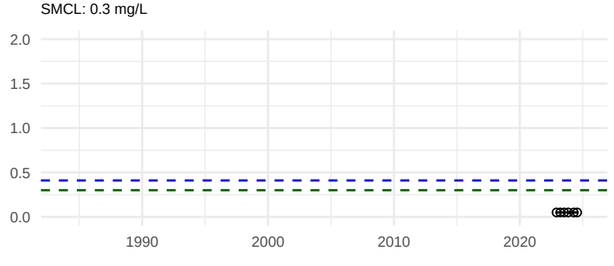
Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L



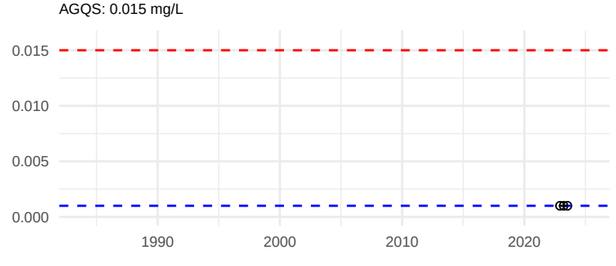
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L



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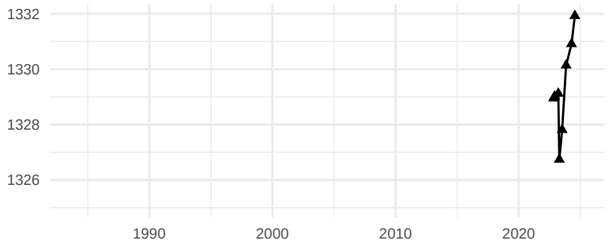
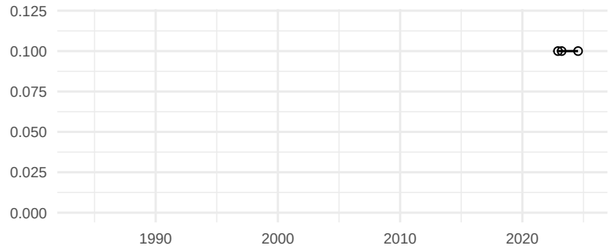
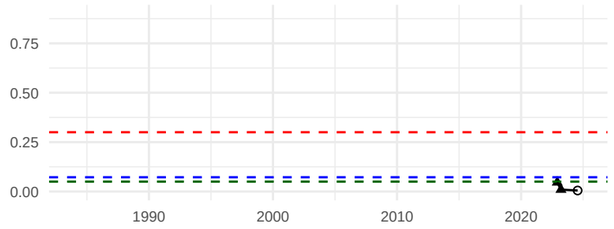
Groundwater Elevation (ft) :



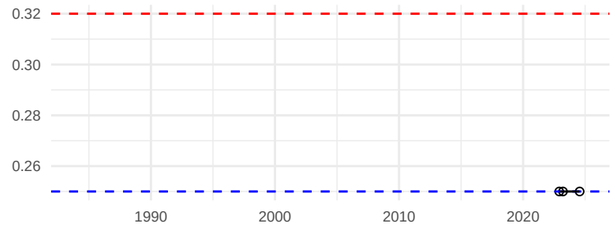
Bromide (mg/L) :



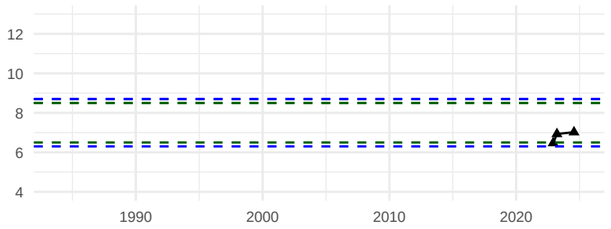
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



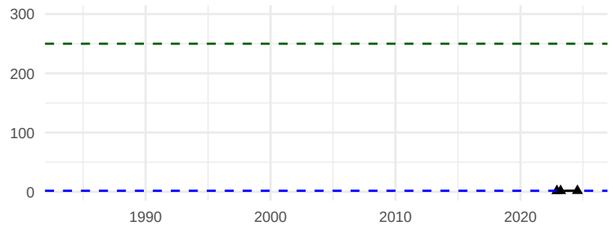
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



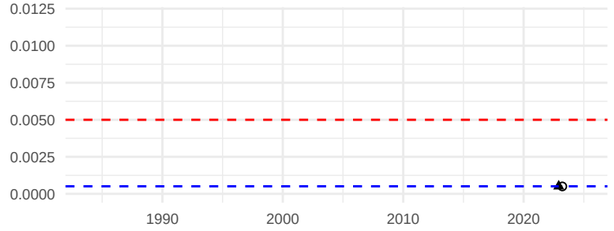
pH (SU) :
SMCL: 6.5 − 8.5 SU



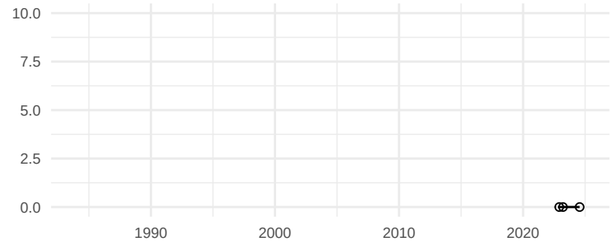
Chloride (mg/L) :
SMCL: 250 mg/L



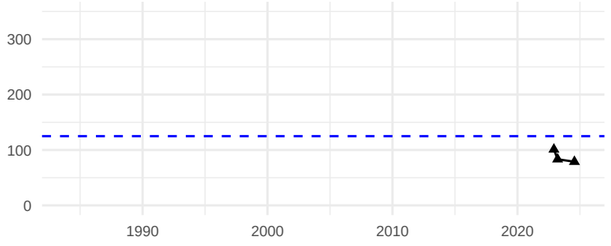
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



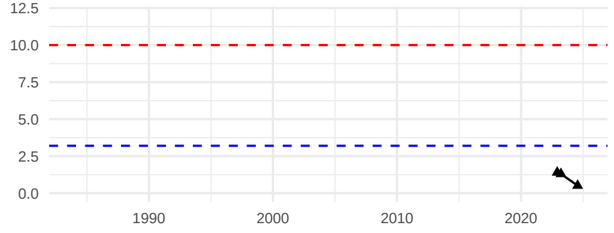
Total VOCs (ug/L) :



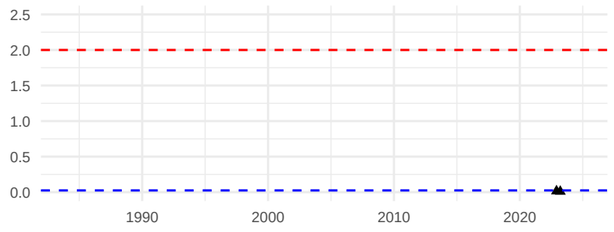
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



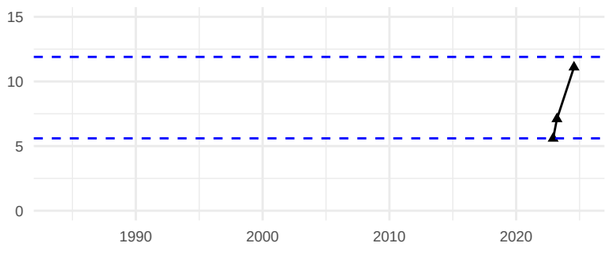
Result

- Detect
- Non−Detect

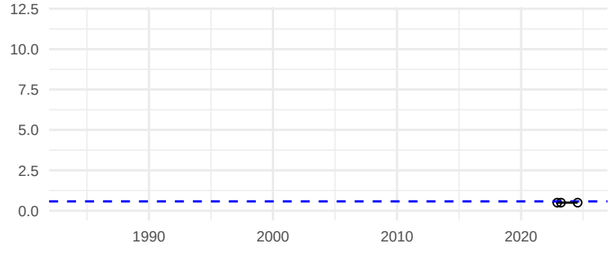
Standard

- AGQS
- SMCL
- Background

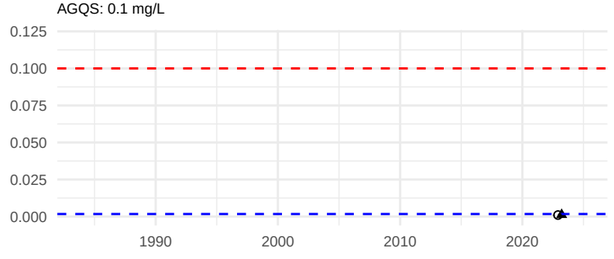
Temperature (C) :



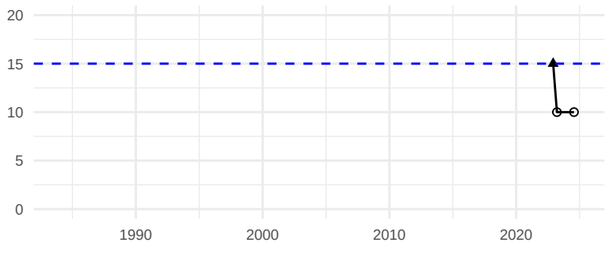
Total Kjeldahl Nitrogen (TKN) (mg/L) :



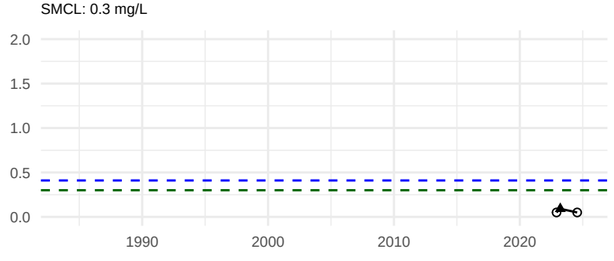
Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L



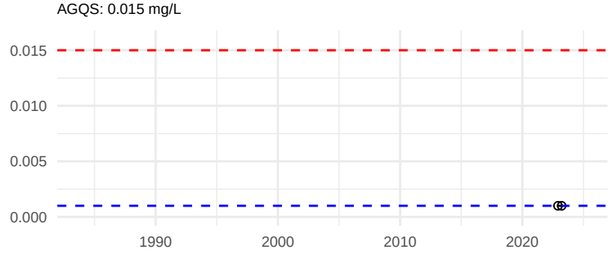
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L

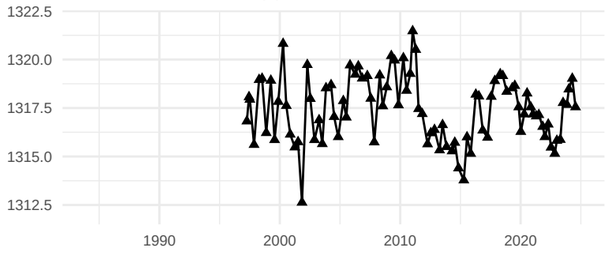


Sanborn, Head & Associates, Inc.

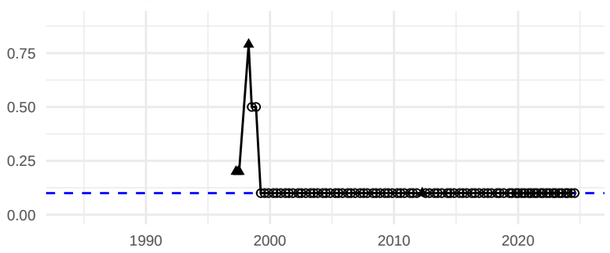
RELEASE DETECTION WELLS OUTSIDE THE GMZ

MW−701

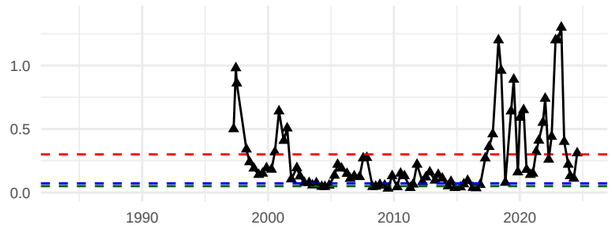
Groundwater Elevation (ft) :



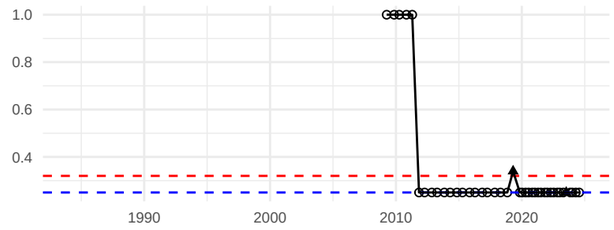
Bromide (mg/L) :



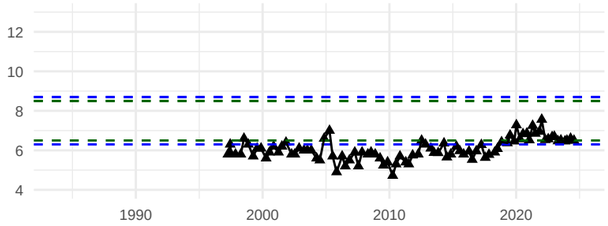
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



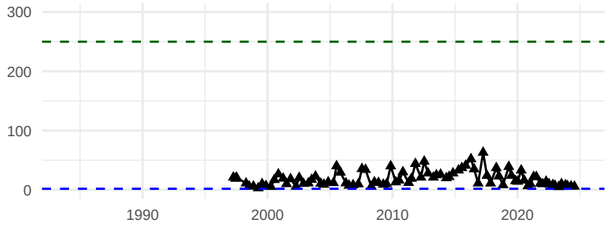
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



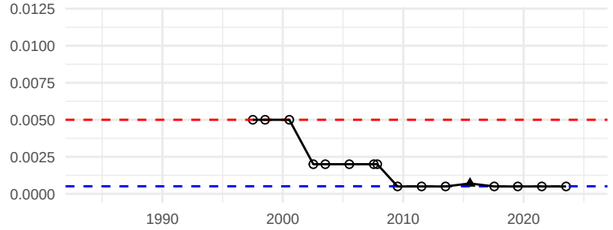
pH (SU) :
SMCL: 6.5 − 8.5 SU



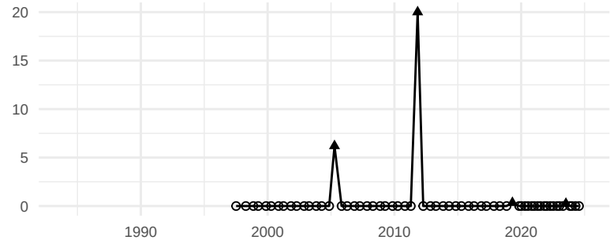
Chloride (mg/L) :
SMCL: 250 mg/L



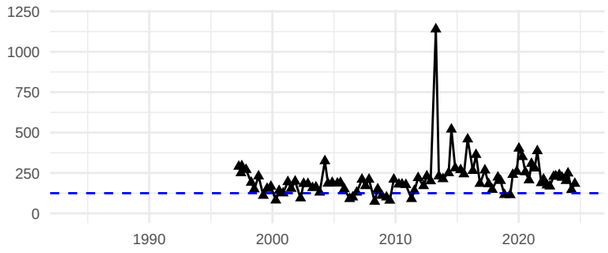
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



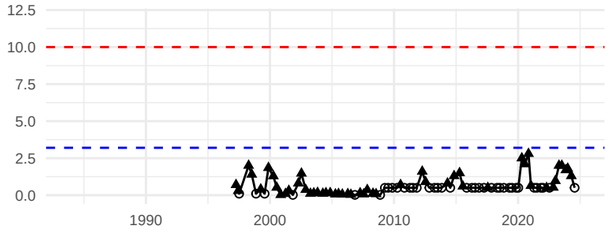
Total VOCs (ug/L) :



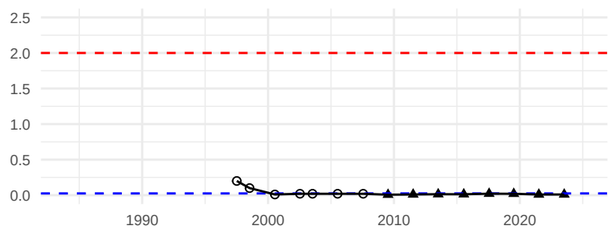
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



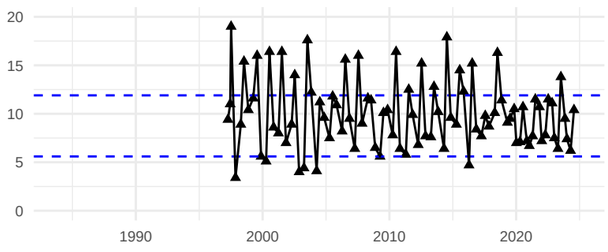
Result

- Detect
- Non−Detect

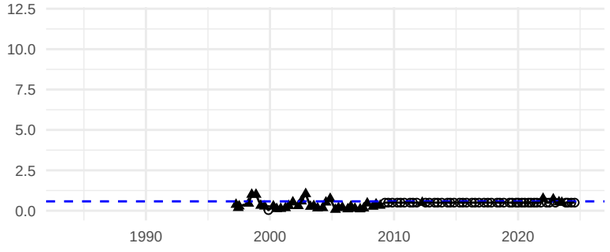
Standard

- AGQS
- SMCL
- Background

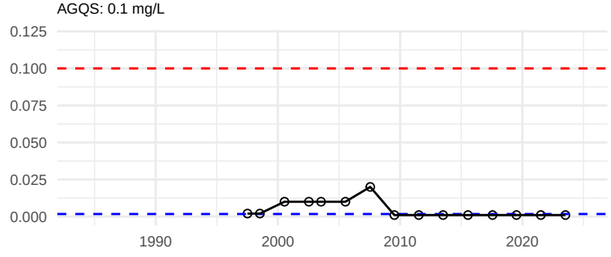
Temperature (C) :

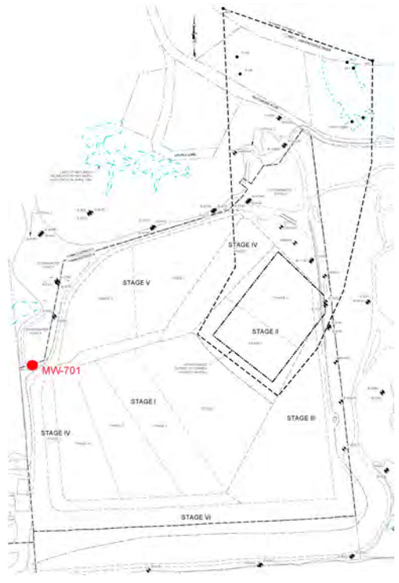


Total Kjeldahl Nitrogen (TKN) (mg/L) :

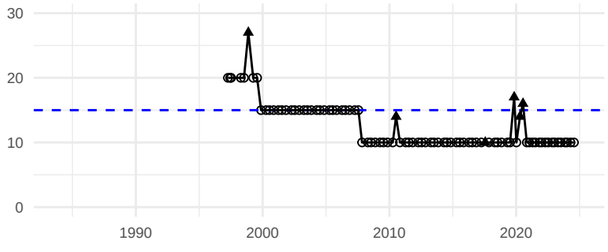


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

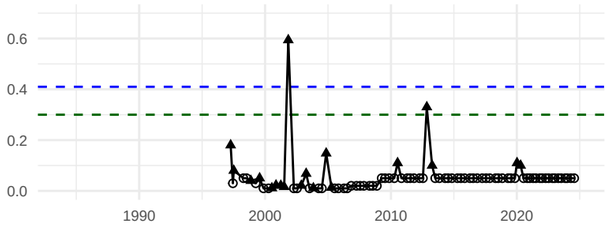




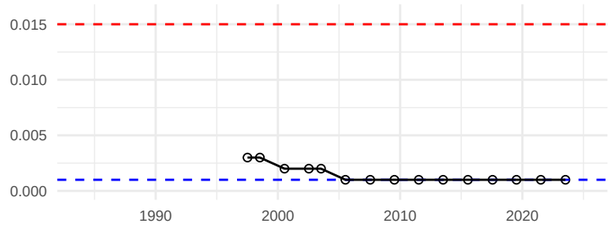
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L

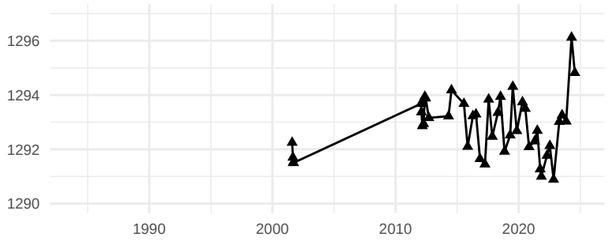


Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L

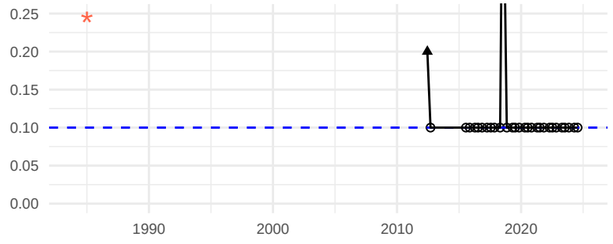


B−909

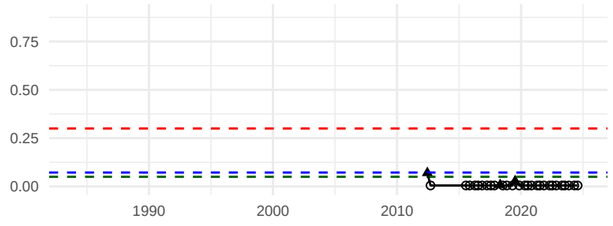
Groundwater Elevation (ft) :



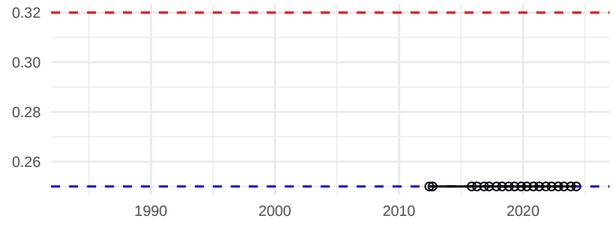
Bromide (mg/L) :



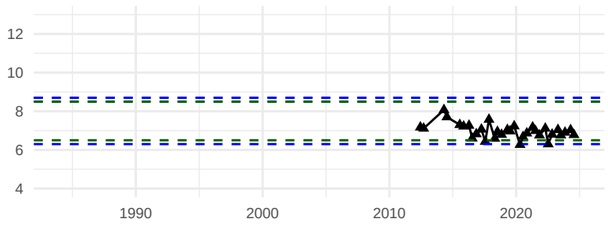
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



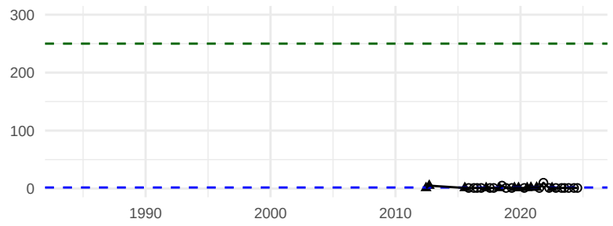
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



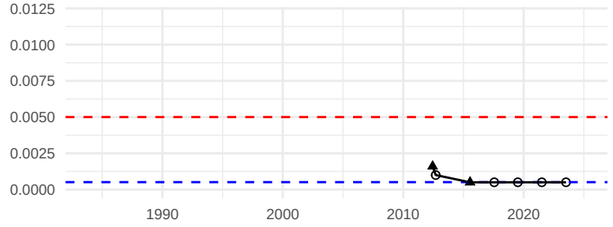
pH (SU) :
SMCL: 6.5 − 8.5 SU



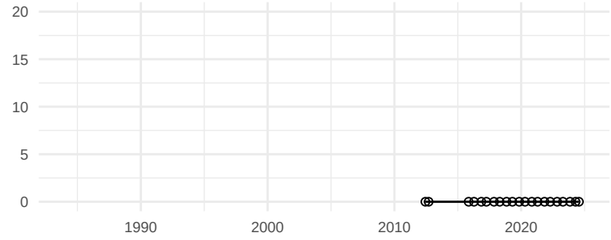
Chloride (mg/L) :
SMCL: 250 mg/L



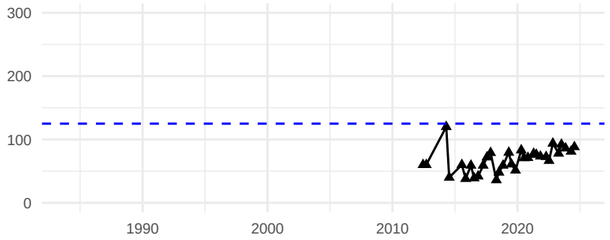
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



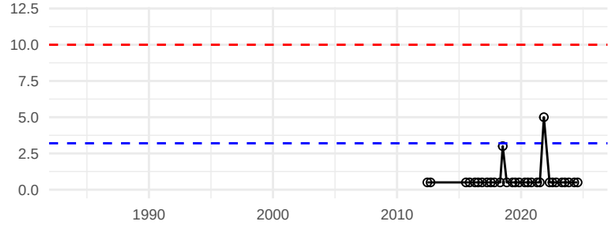
Total VOCs (ug/L) :



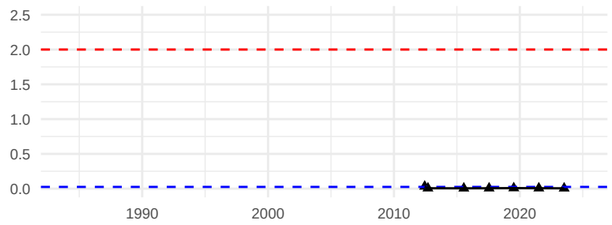
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



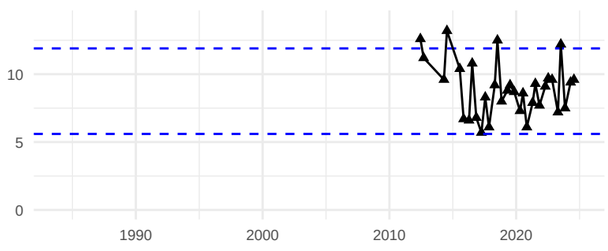
Result

- Detect
- Non−Detect

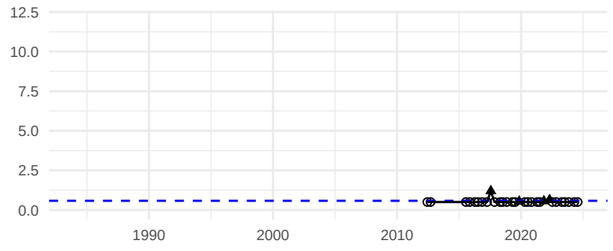
Standard

- AGQS
- SMCL
- Background

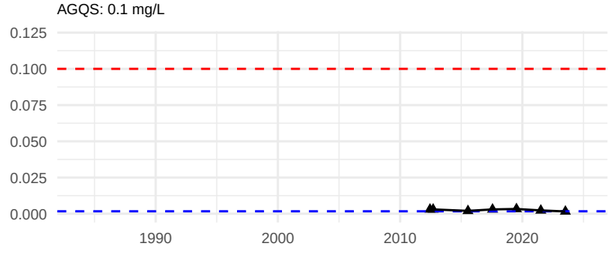
Temperature (C) :

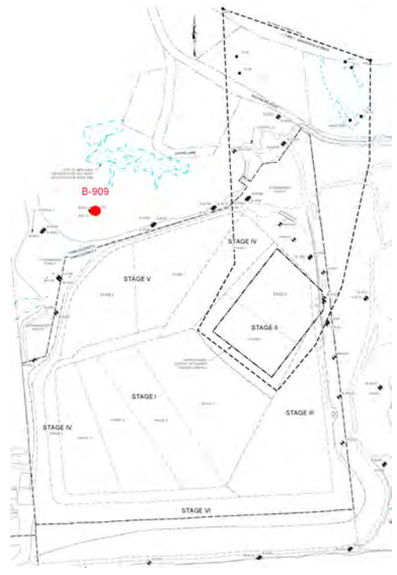


Total Kjeldahl Nitrogen (TKN) (mg/L) :

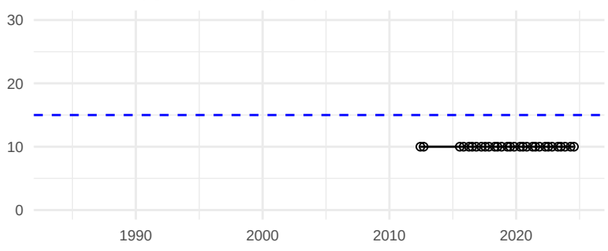


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

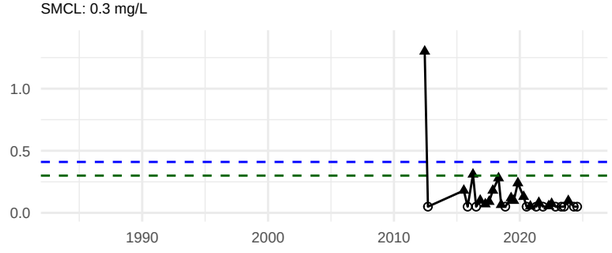




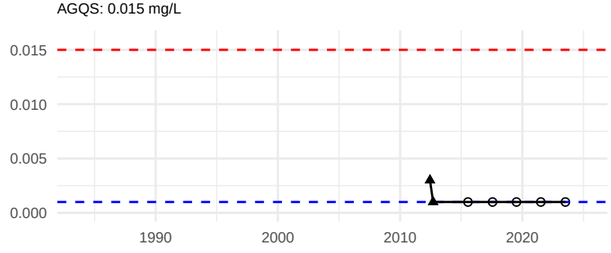
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L

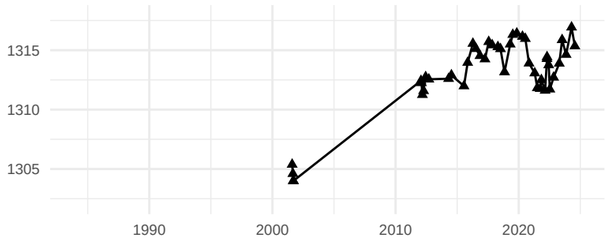


* indicates one or more data points plot outside concentration range shown

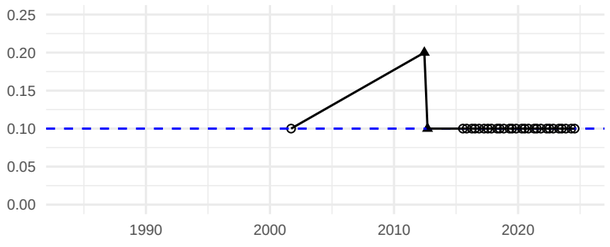
Sanborn, Head & Associates, Inc.

B−915U

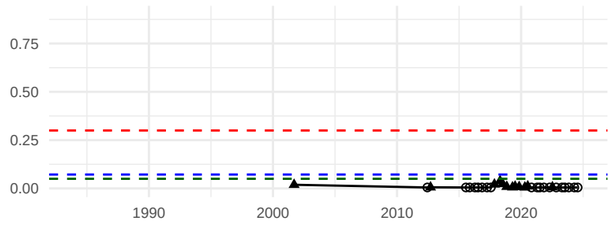
Groundwater Elevation (ft) :



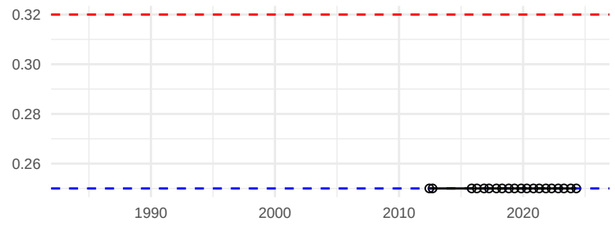
Bromide (mg/L) :



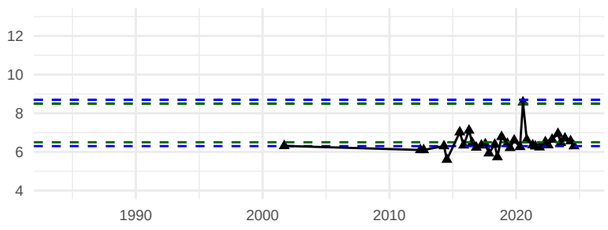
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



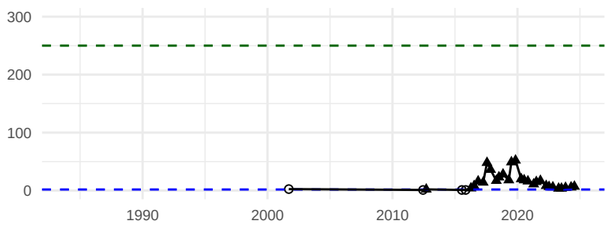
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



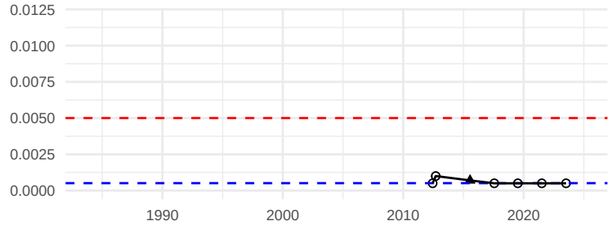
pH (SU) :
SMCL: 6.5 − 8.5 SU



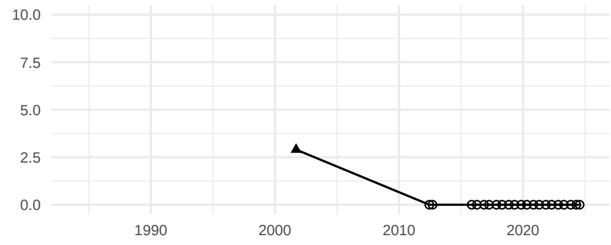
Chloride (mg/L) :
SMCL: 250 mg/L



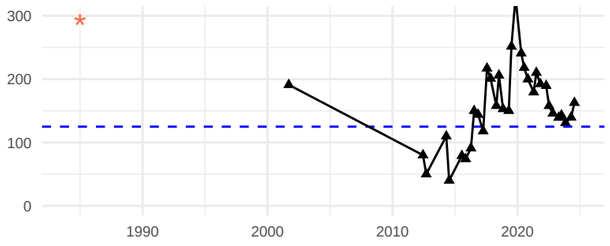
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



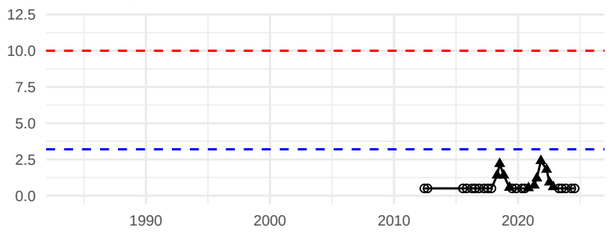
Total VOCs (ug/L) :



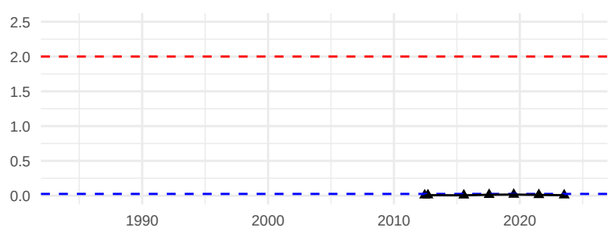
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



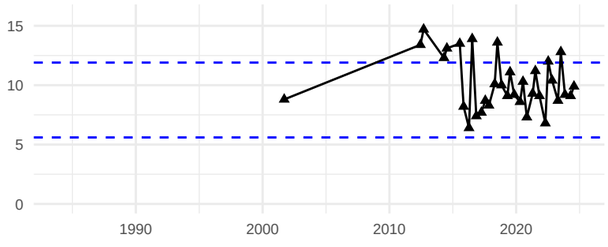
Result

- Detect
- Non−Detect

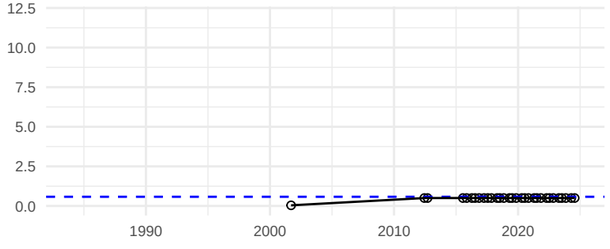
Standard

- AGQS
- SMCL
- Background

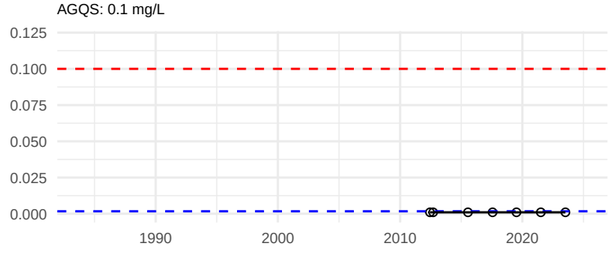
Temperature (C) :



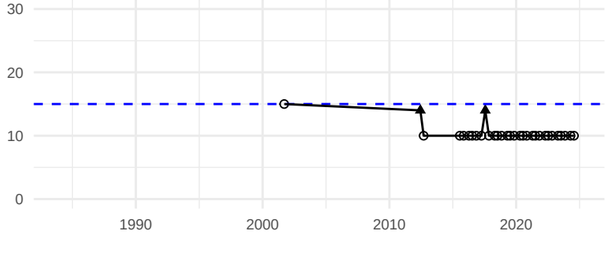
Total Kjeldahl Nitrogen (TKN) (mg/L) :



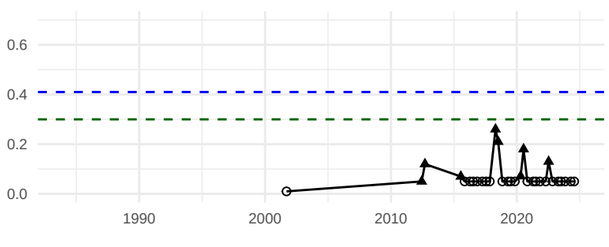
Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L



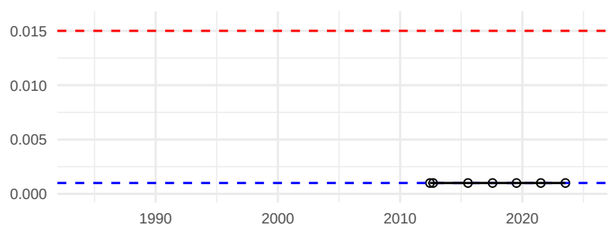
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L

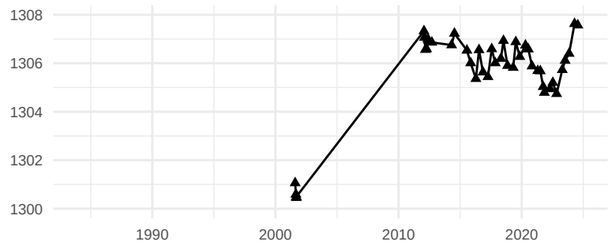


* indicates one or more data points plot outside concentration range shown

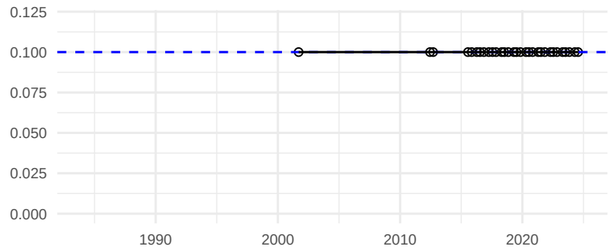
Sanborn, Head & Associates, Inc.

B−915M

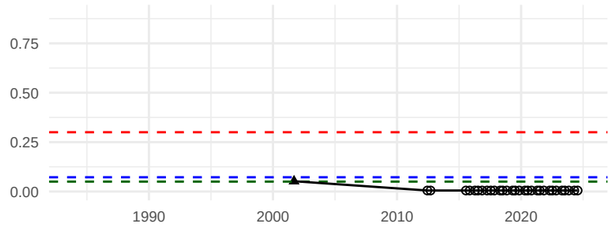
Groundwater Elevation (ft) :



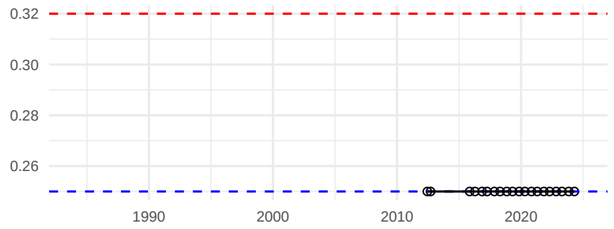
Bromide (mg/L) :



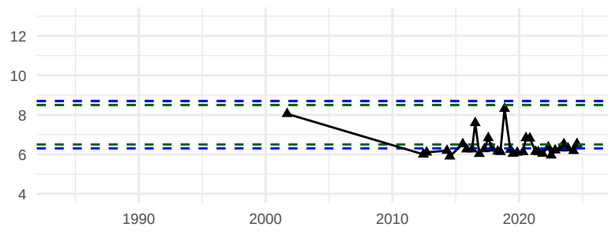
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



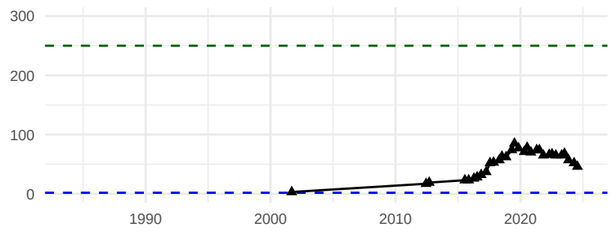
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



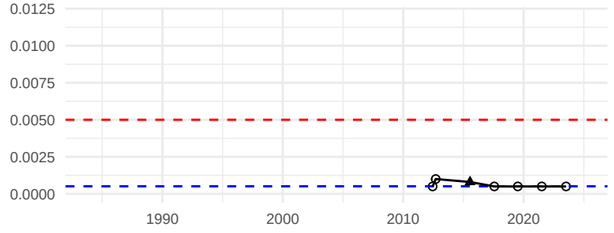
pH (SU) :
SMCL: 6.5 − 8.5 SU



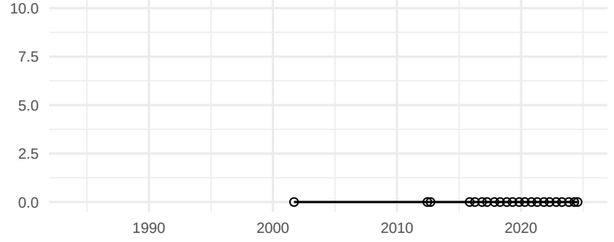
Chloride (mg/L) :
SMCL: 250 mg/L



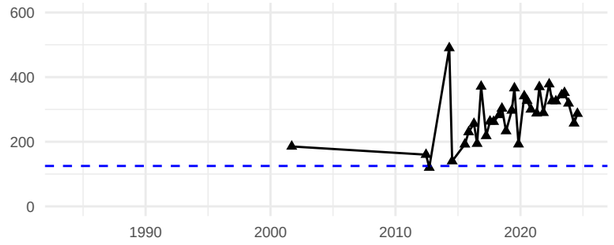
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



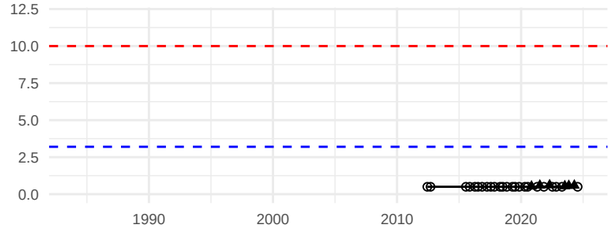
Total VOCs (ug/L) :



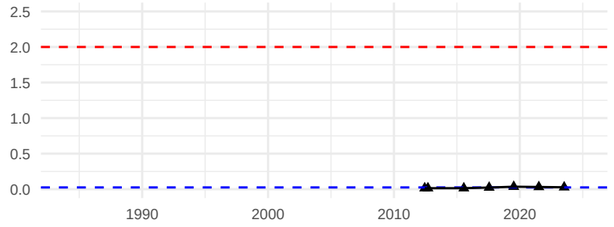
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



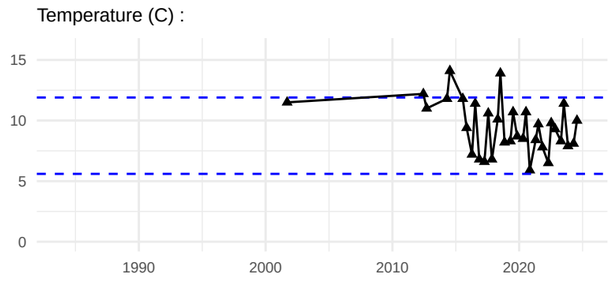
Result

- Detect
- Non−Detect

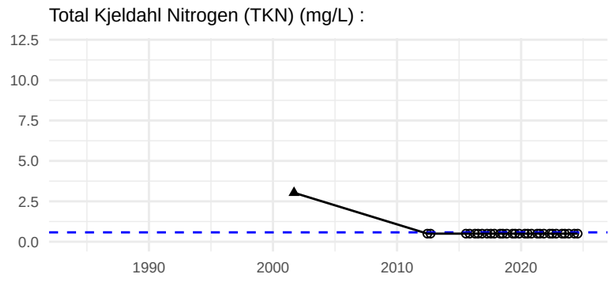
Standard

- AGQS
- SMCL
- Background

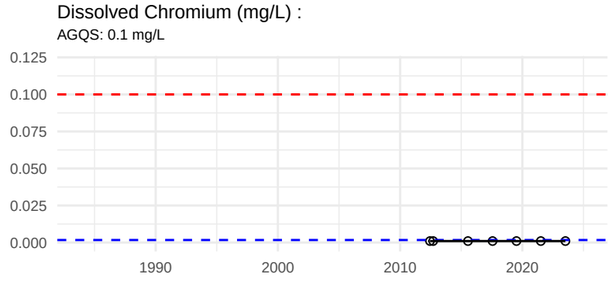
Temperature (C) :



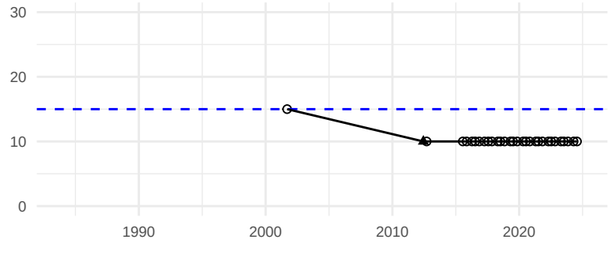
Total Kjeldahl Nitrogen (TKN) (mg/L) :



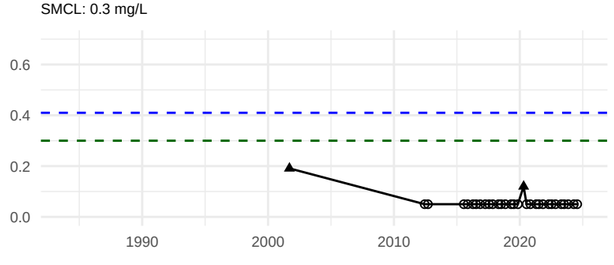
Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L



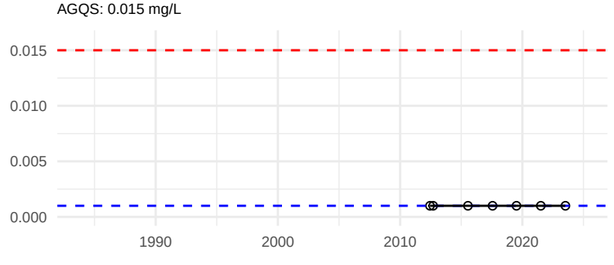
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L

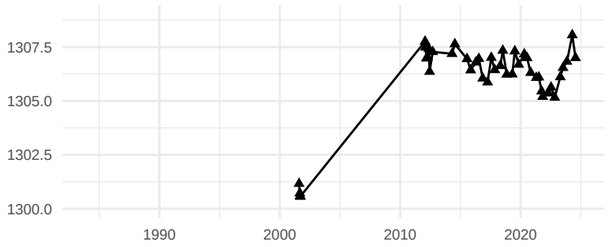


Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L

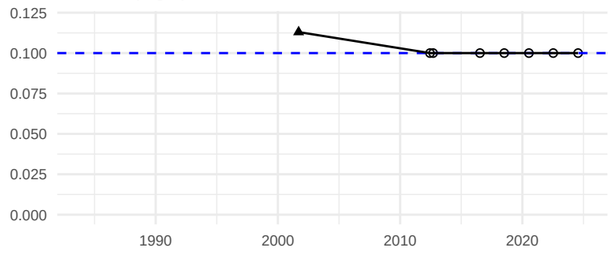


B−915D

Groundwater Elevation (ft) :

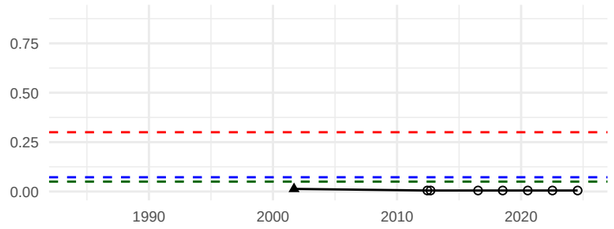


Bromide (mg/L) :



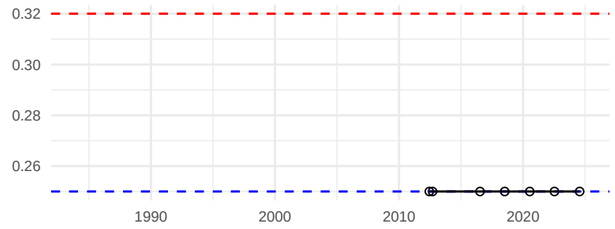
Dissolved Manganese (mg/L) :

AGQS: 0.3 mg/L SMCL: 0.05 mg/L



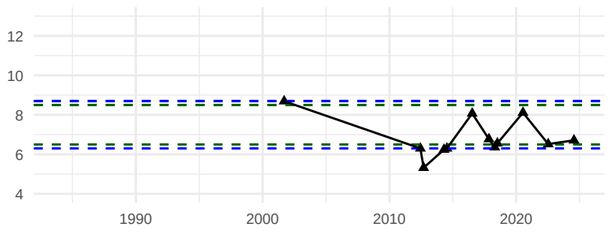
Dioxane (1,4−) (ug/L) :

AGQS: 0.32 ug/L



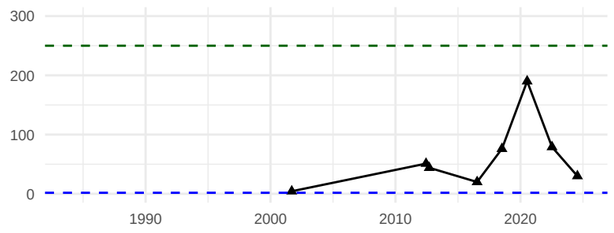
pH (SU) :

SMCL: 6.5 − 8.5 SU



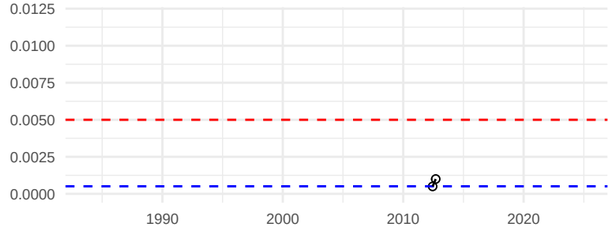
Chloride (mg/L) :

SMCL: 250 mg/L

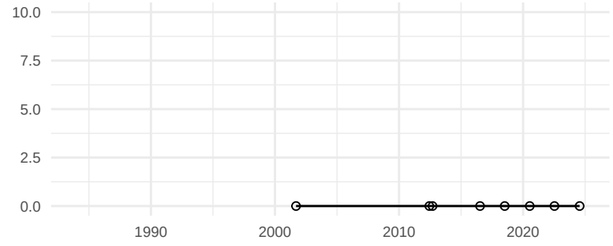


Dissolved Arsenic (mg/L) :

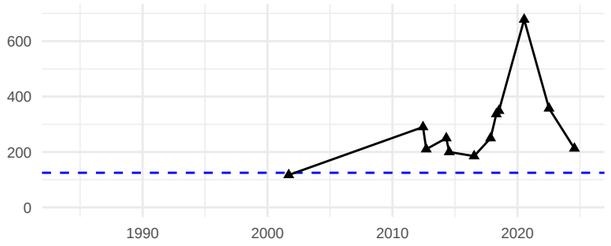
AGQS: 0.005 mg/L



Total VOCs (ug/L) :

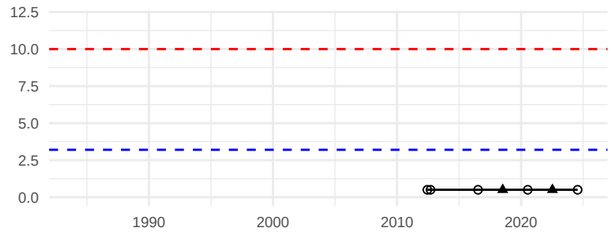


Specific Conductance (uS/cm) :



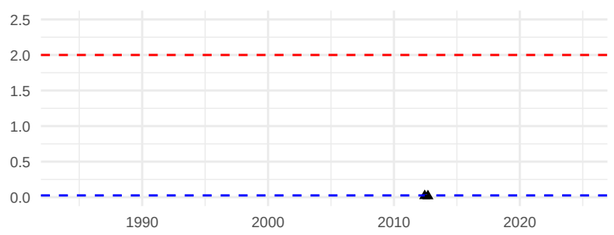
Nitrate (mg/L) :

AGQS: 10 mg/L



Dissolved Barium (mg/L) :

AGQS: 2 mg/L



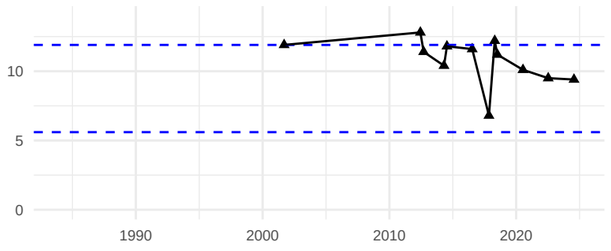
Result

- Detect
- Non−Detect

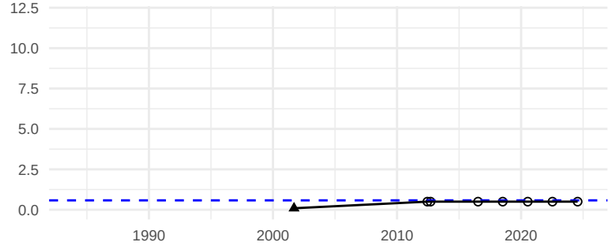
Standard

- AGQS
- SMCL
- Background

Temperature (C) :

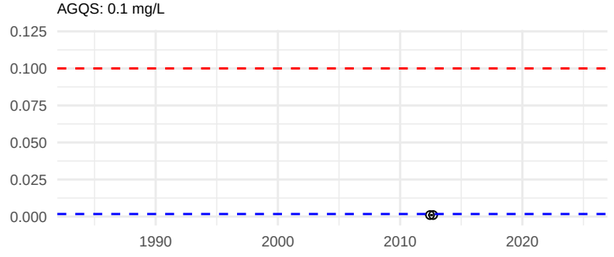


Total Kjeldahl Nitrogen (TKN) (mg/L) :

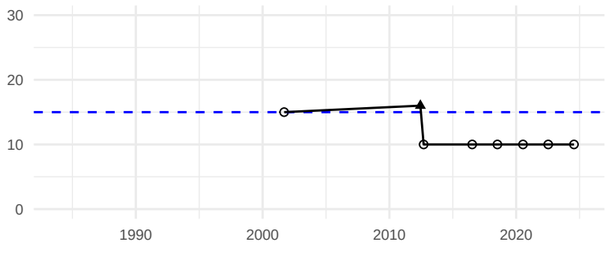


Dissolved Chromium (mg/L) :

AGQS: 0.1 mg/L

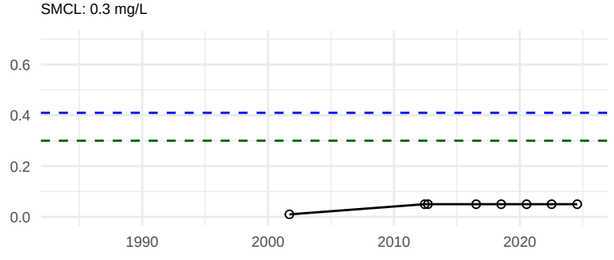


Chemical Oxygen Demand (mg/L) :



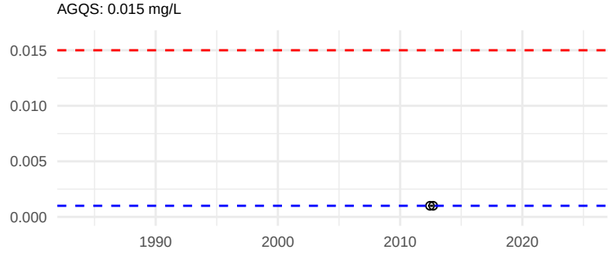
Dissolved Iron (mg/L) :

SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :

AGQS: 0.015 mg/L



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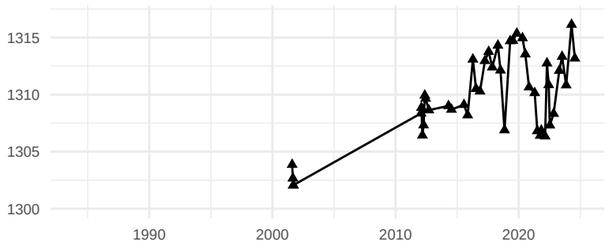
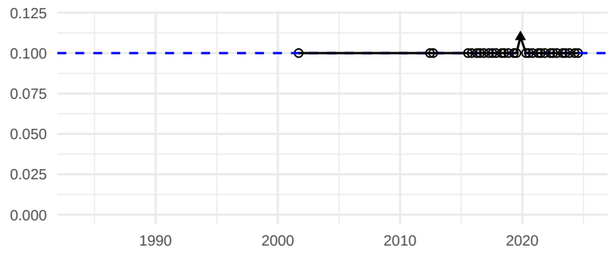
B−916U

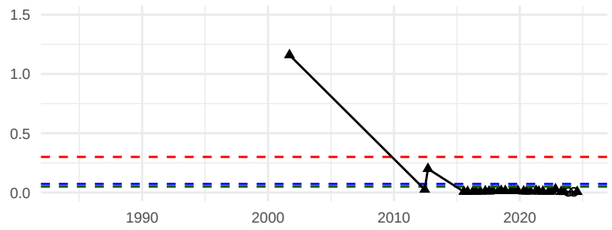
Groundwater Elevation (ft) :



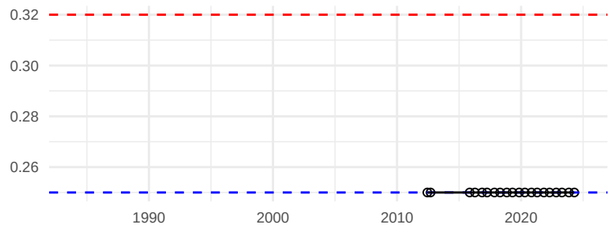
Bromide (mg/L) :



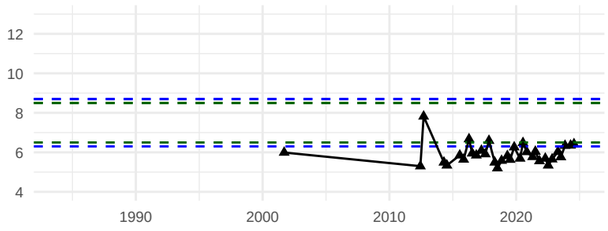
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



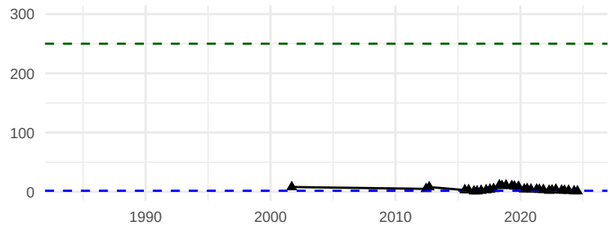
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



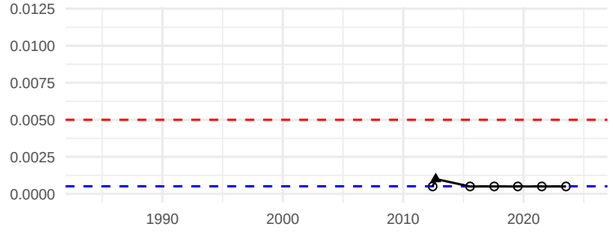
pH (SU) :
SMCL: 6.5 − 8.5 SU



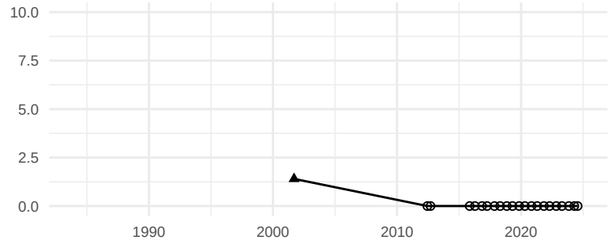
Chloride (mg/L) :
SMCL: 250 mg/L



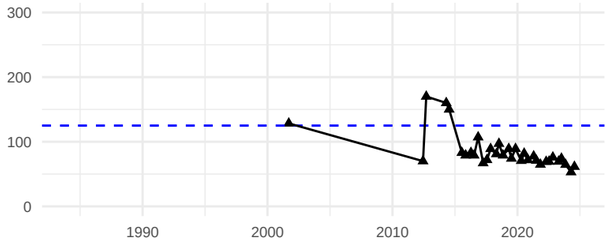
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



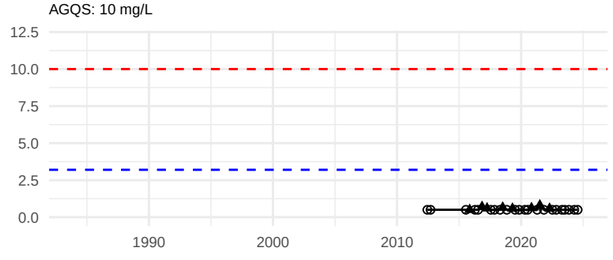
Total VOCs (ug/L) :



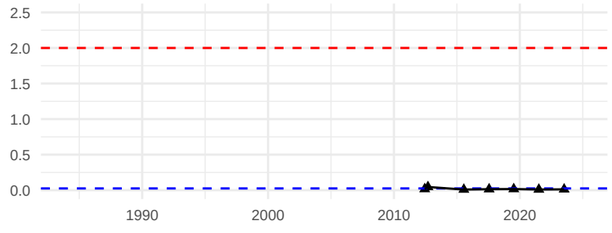
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



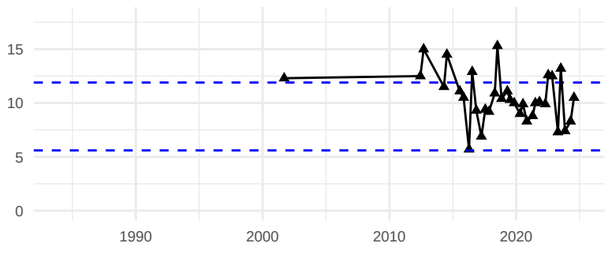
Result

- Detect
- Non−Detect

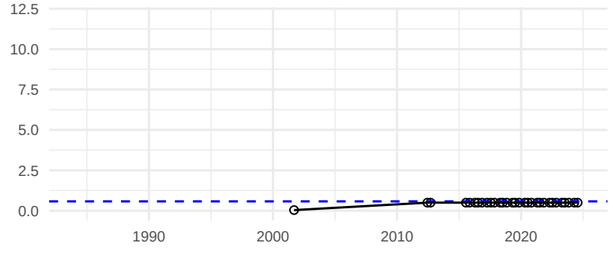
Standard

- AGQS
- SMCL
- Background

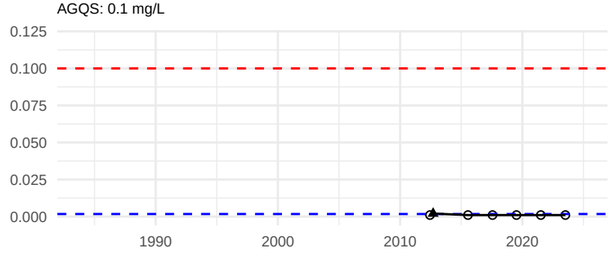
Temperature (C) :



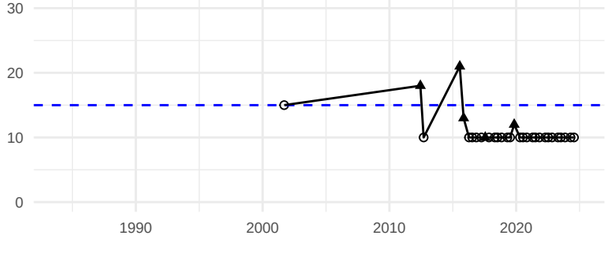
Total Kjeldahl Nitrogen (TKN) (mg/L) :



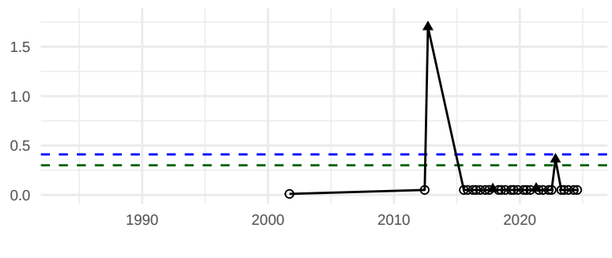
Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L



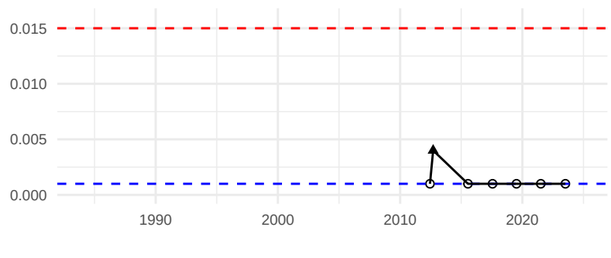
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L



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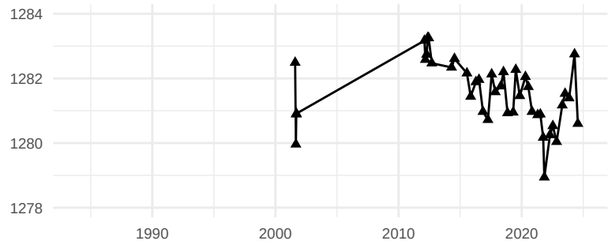
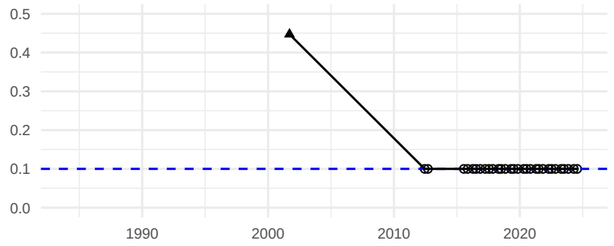
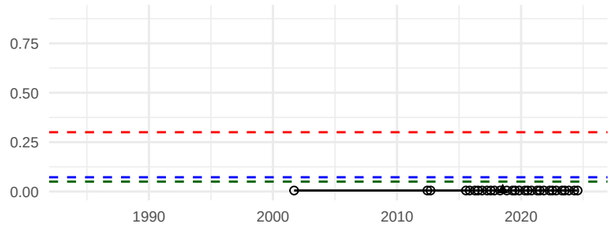
Groundwater Elevation (ft) :



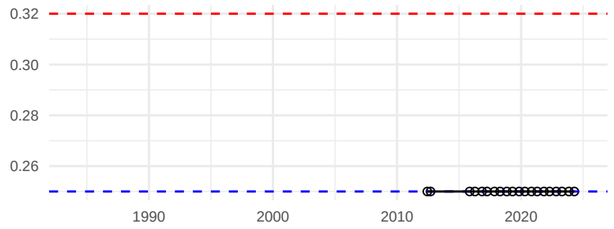
Bromide (mg/L) :



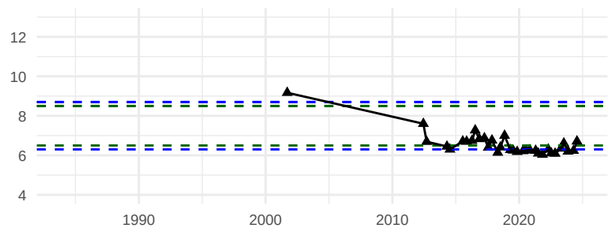
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



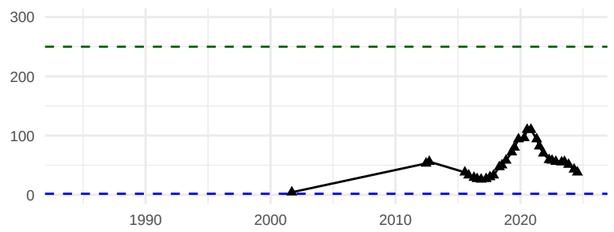
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



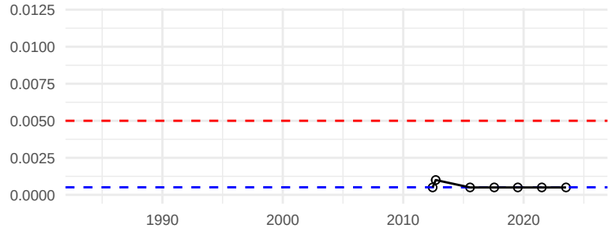
pH (SU) :
SMCL: 6.5 − 8.5 SU



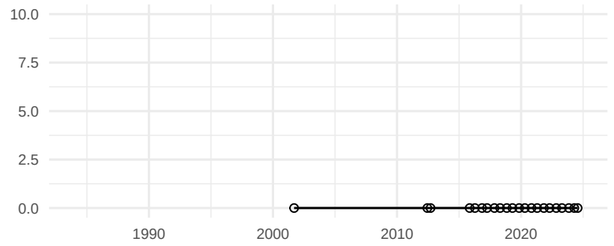
Chloride (mg/L) :
SMCL: 250 mg/L



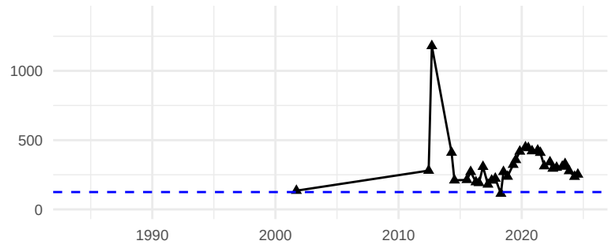
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



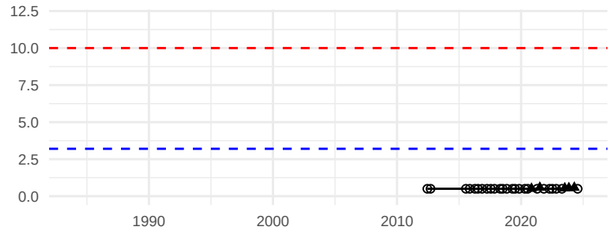
Total VOCs (ug/L) :



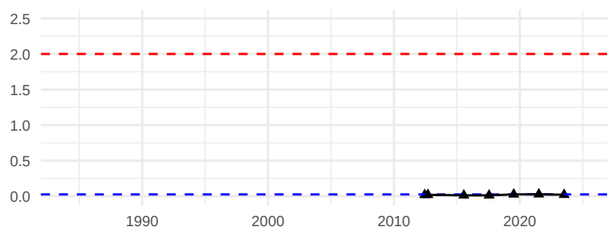
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



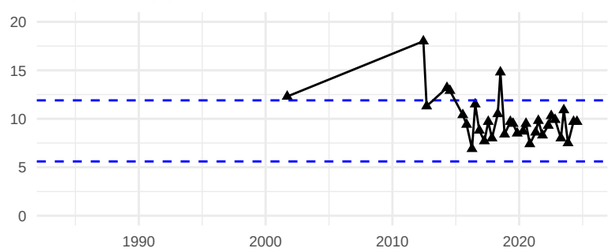
Result

- Detect
- Non−Detect

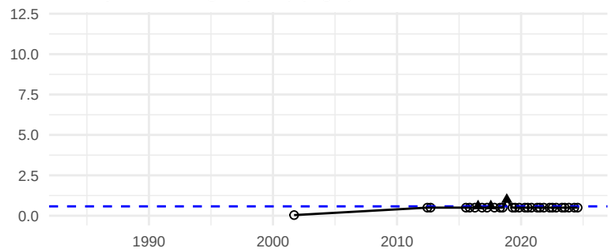
Standard

- AGQS
- SMCL
- Background

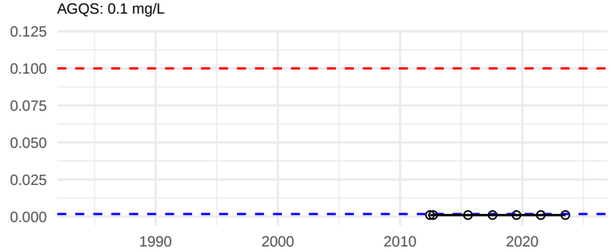
Temperature (C) :

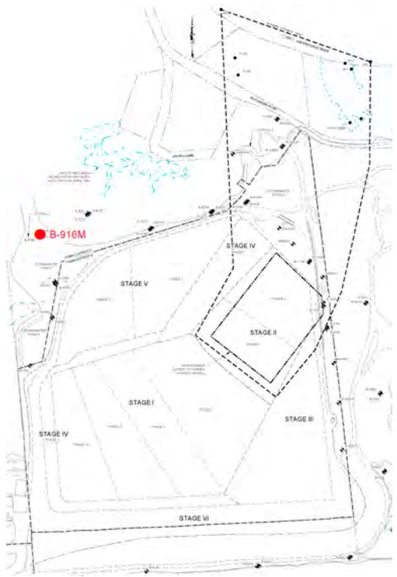


Total Kjeldahl Nitrogen (TKN) (mg/L) :

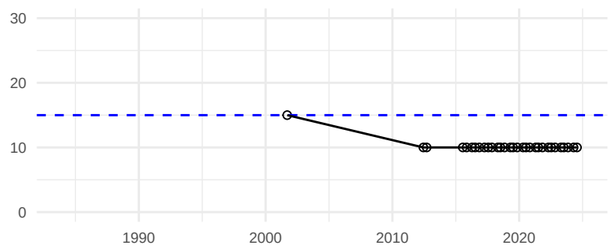


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

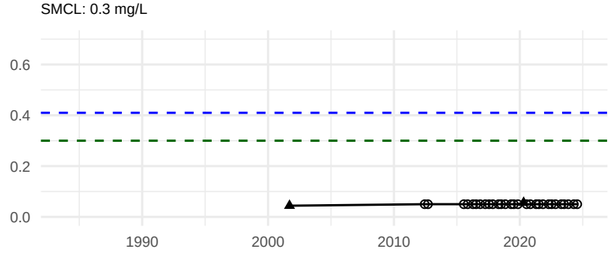




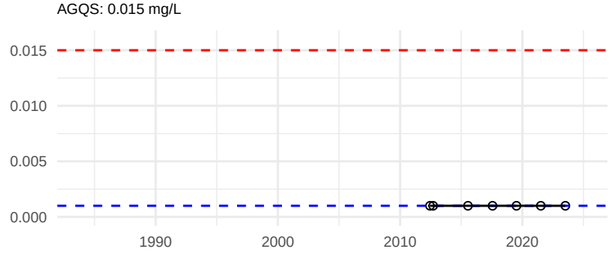
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L

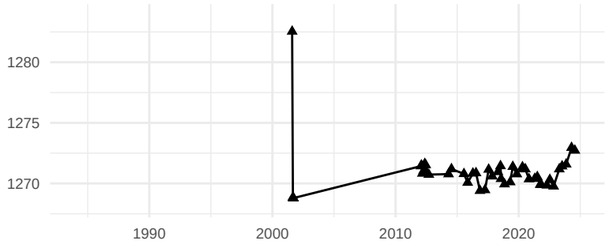


Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L

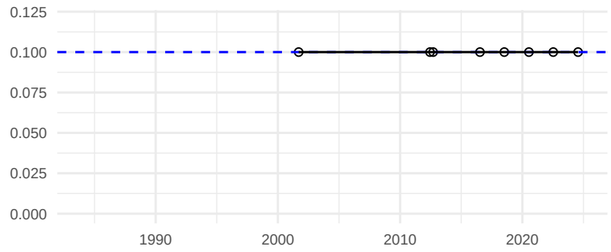


B−916D

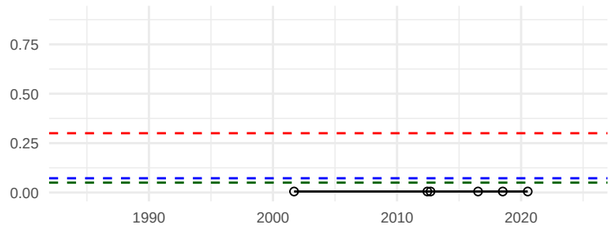
Groundwater Elevation (ft) :



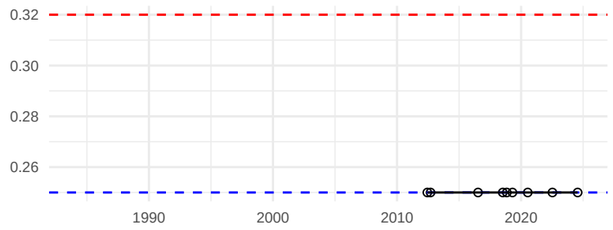
Bromide (mg/L) :



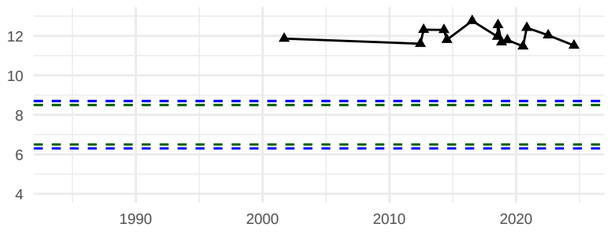
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



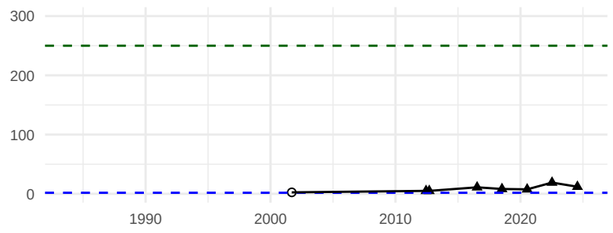
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



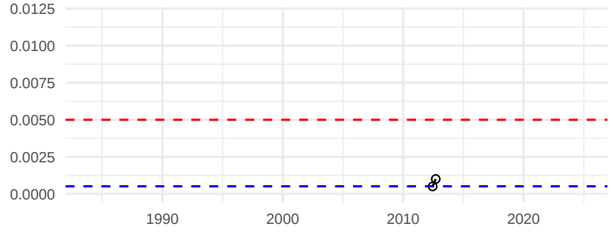
pH (SU) :
SMCL: 6.5 − 8.5 SU



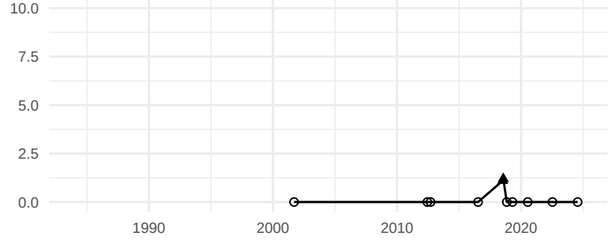
Chloride (mg/L) :
SMCL: 250 mg/L



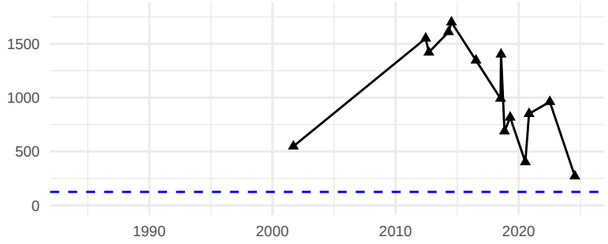
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



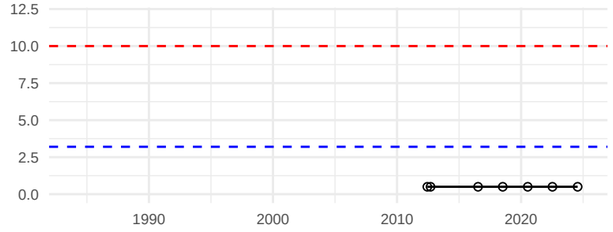
Total VOCs (ug/L) :



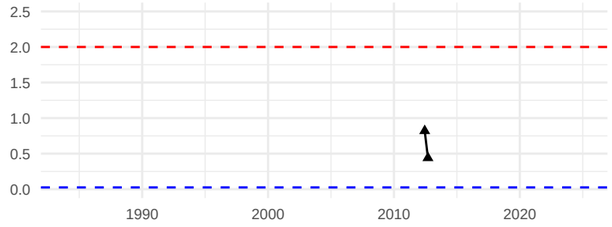
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



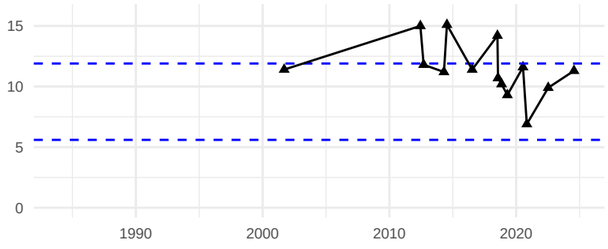
Result

- Detect
- Non−Detect

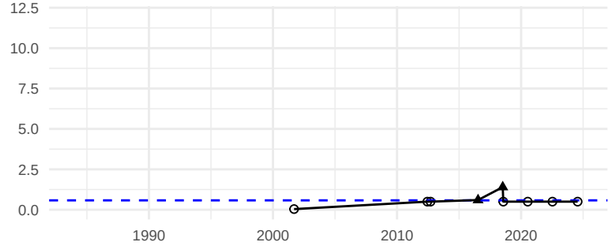
Standard

- AGQS
- SMCL
- Background

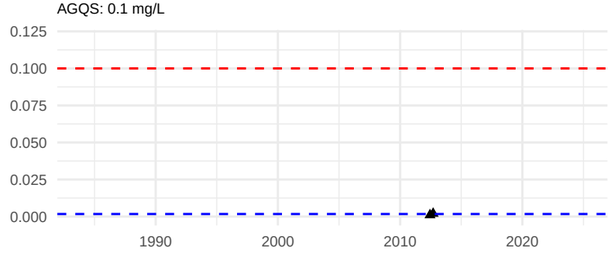
Temperature (C) :

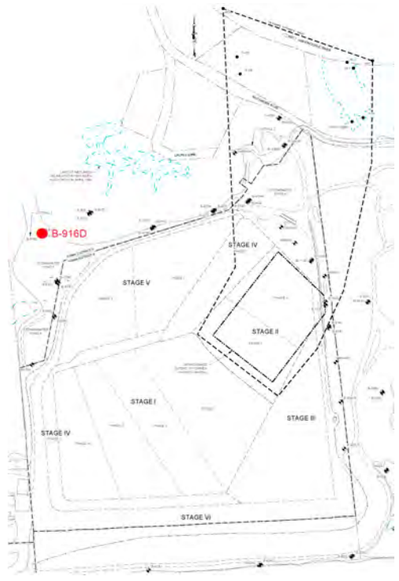


Total Kjeldahl Nitrogen (TKN) (mg/L) :

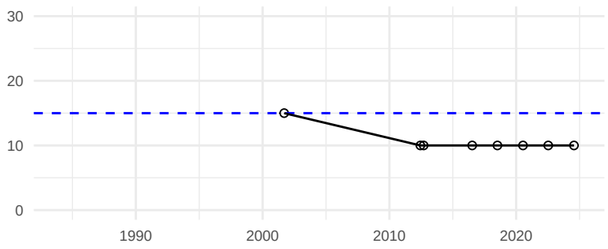


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

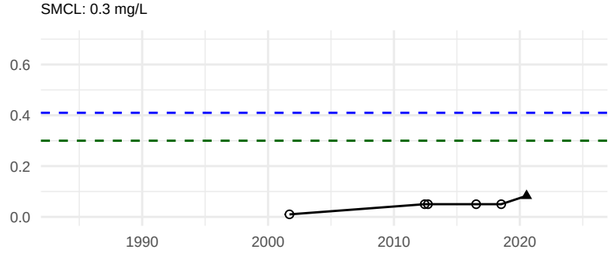




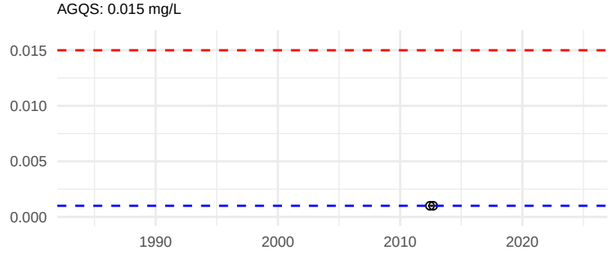
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L

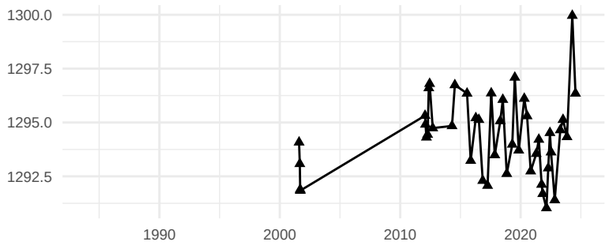


Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L

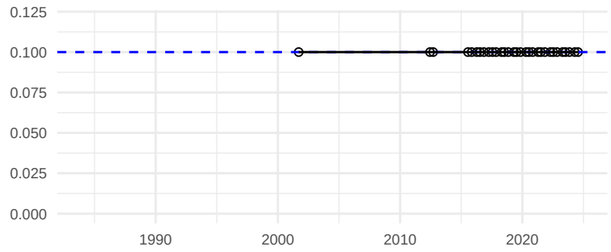


B−917U

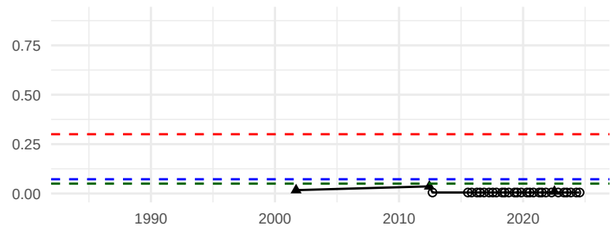
Groundwater Elevation (ft) :



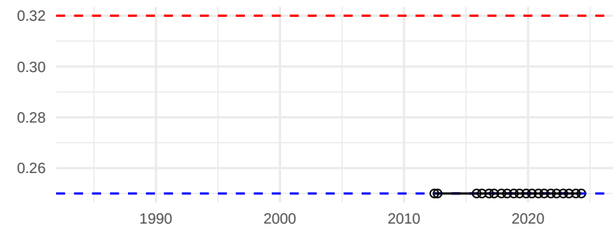
Bromide (mg/L) :



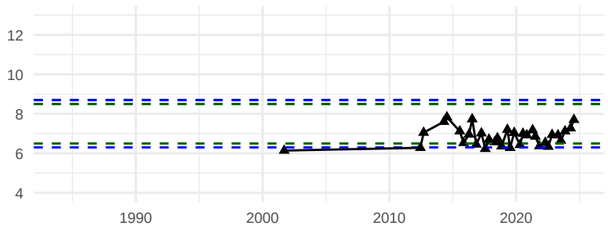
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



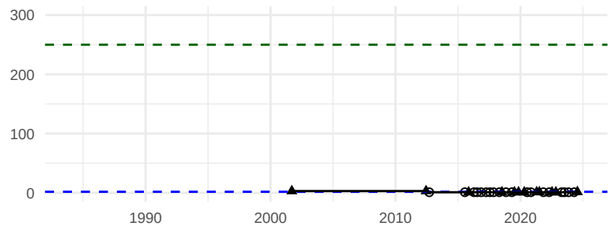
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



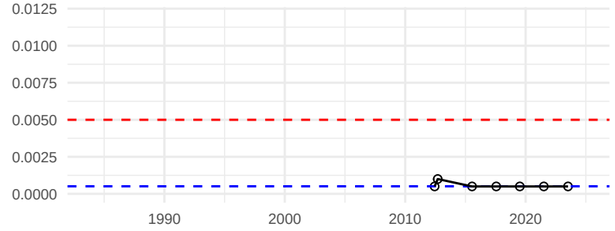
pH (SU) :
SMCL: 6.5 − 8.5 SU



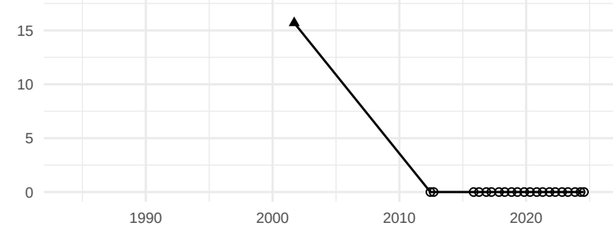
Chloride (mg/L) :
SMCL: 250 mg/L



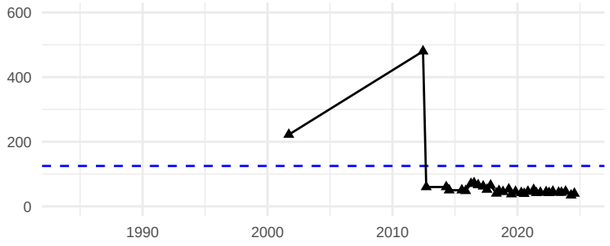
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



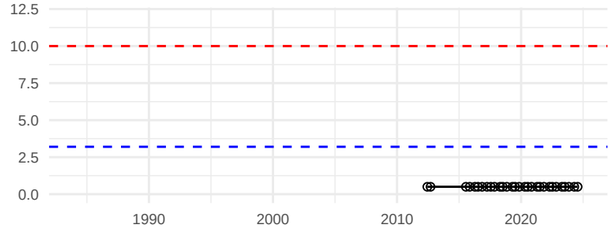
Total VOCs (ug/L) :



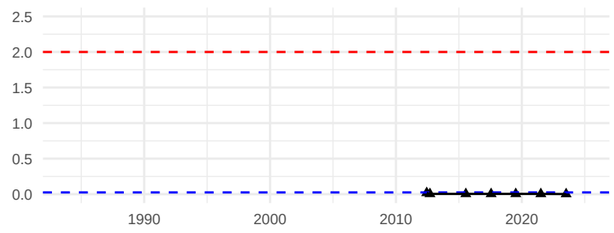
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



Result

Detect

Non−Detect

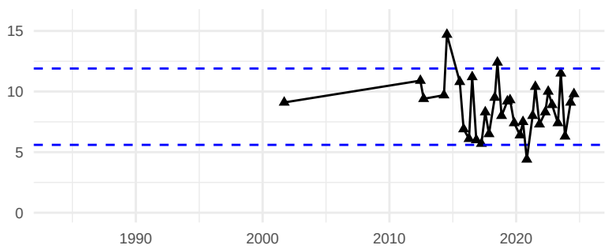
Standard

AGQS

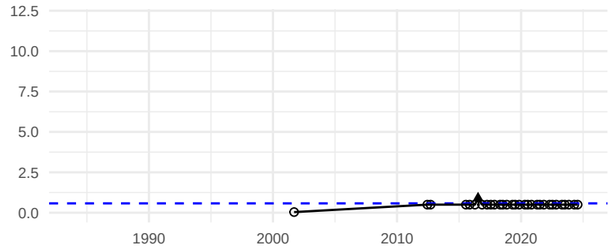
SMCL

Background

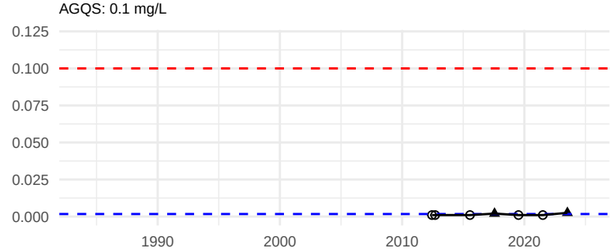
Temperature (C) :

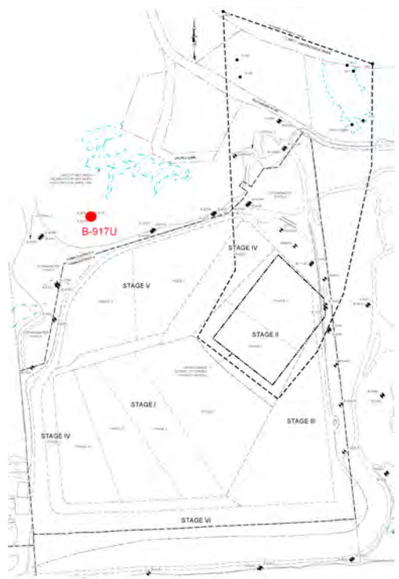


Total Kjeldahl Nitrogen (TKN) (mg/L) :

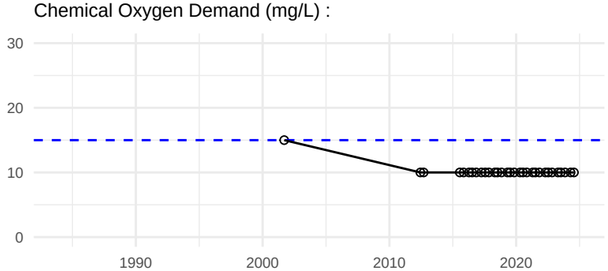


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

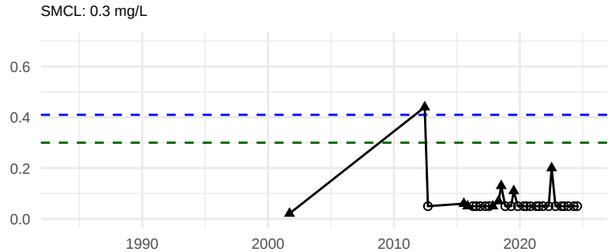




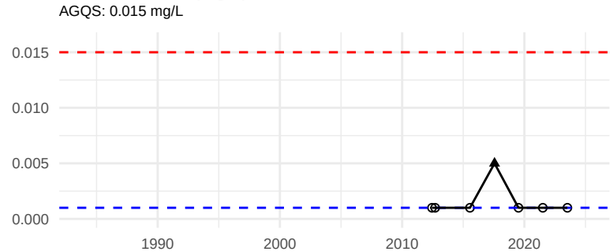
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L



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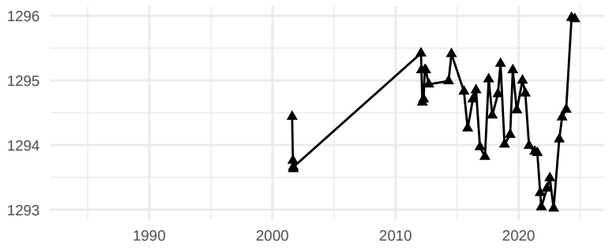
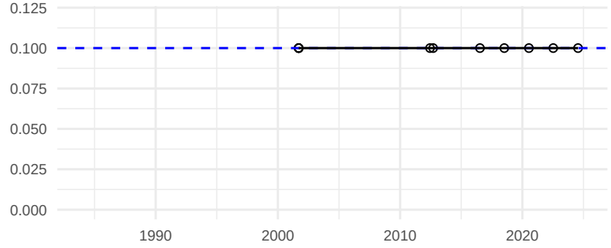
B−917D

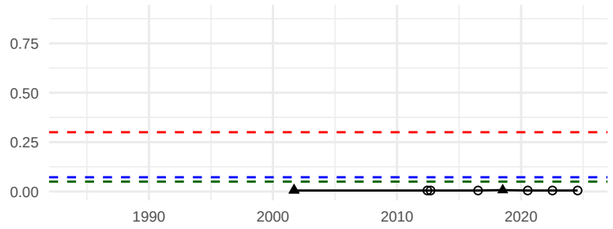
Groundwater Elevation (ft) :



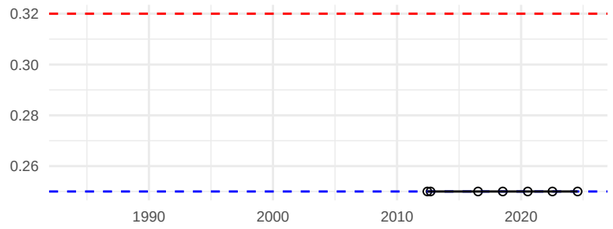
Bromide (mg/L) :



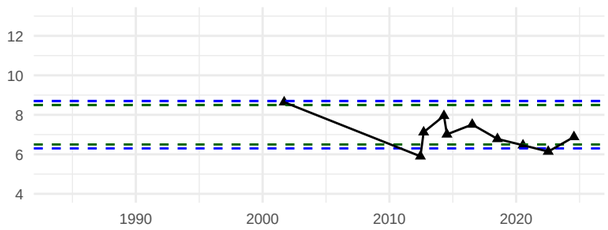
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



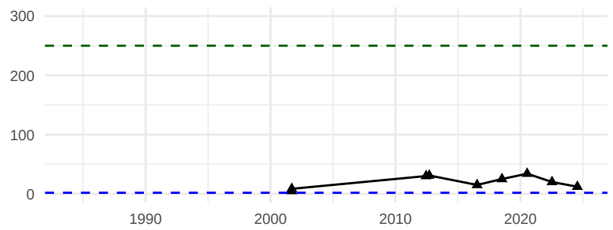
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



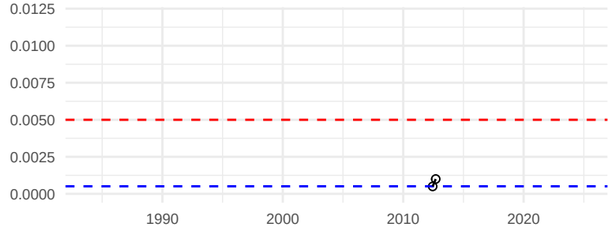
pH (SU) :
SMCL: 6.5 − 8.5 SU



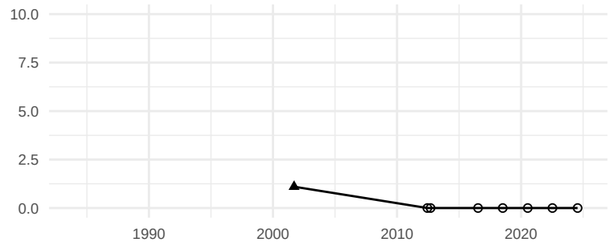
Chloride (mg/L) :
SMCL: 250 mg/L



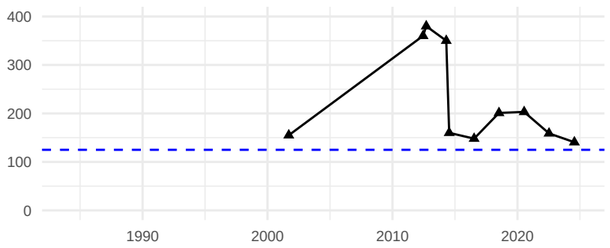
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



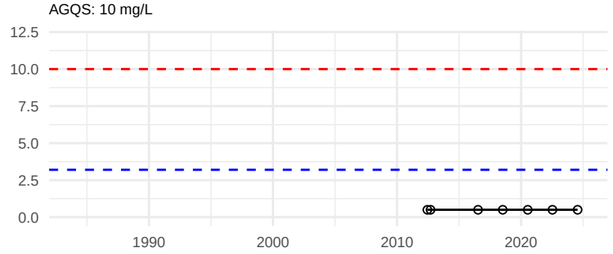
Total VOCs (ug/L) :



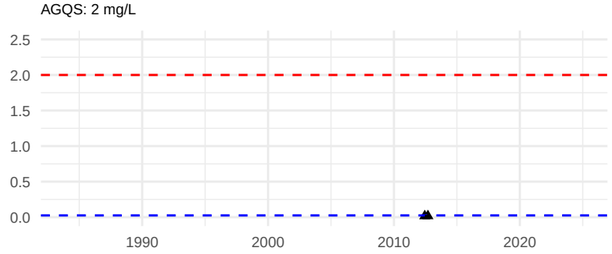
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



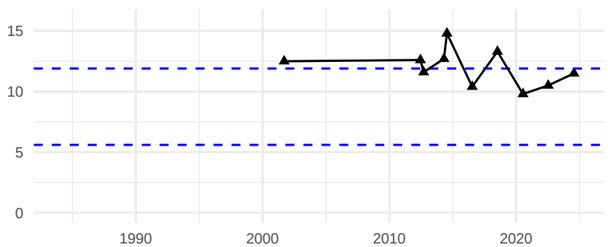
Result

- Detect
- Non−Detect

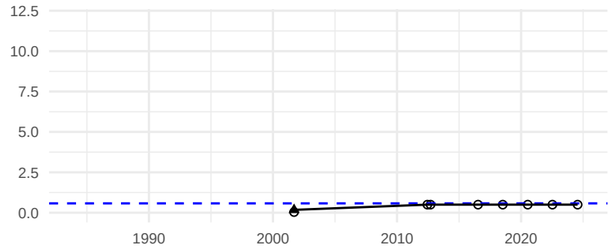
Standard

- AGQS
- SMCL
- Background

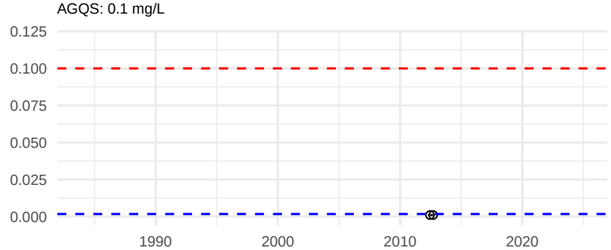
Temperature (C) :

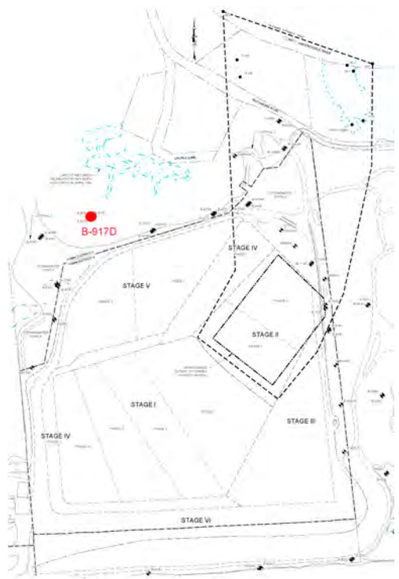


Total Kjeldahl Nitrogen (TKN) (mg/L) :

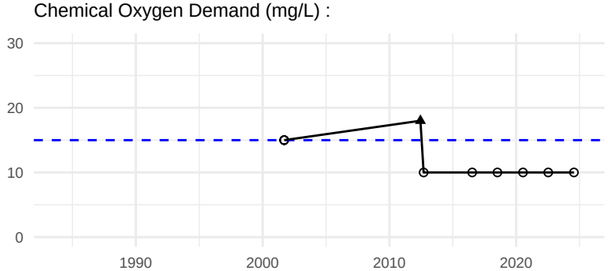


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

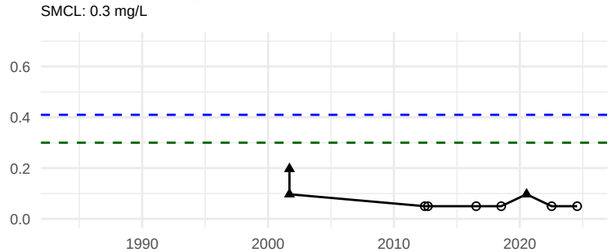




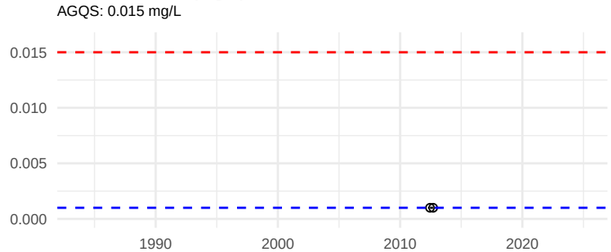
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L



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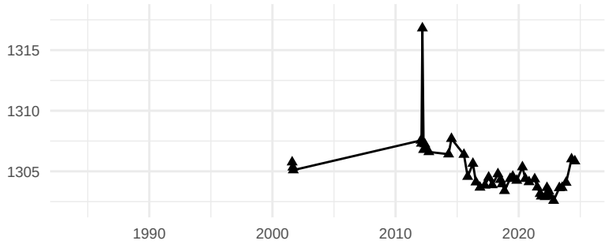
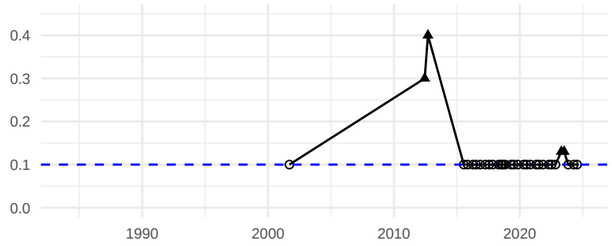
Groundwater Elevation (ft) :

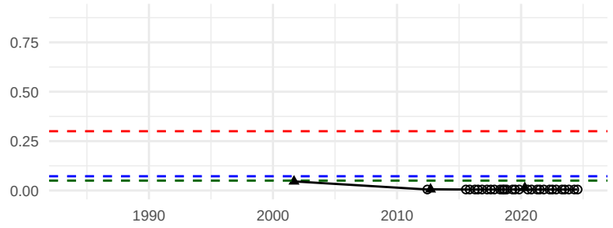


Bromide (mg/L) :



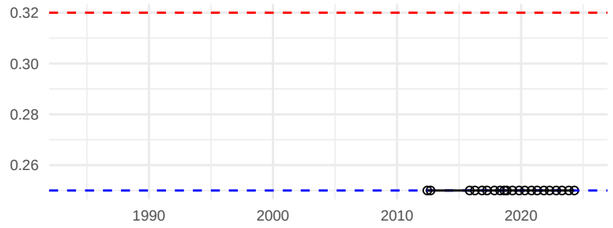
Dissolved Manganese (mg/L) :

AGQS: 0.3 mg/L SMCL: 0.05 mg/L



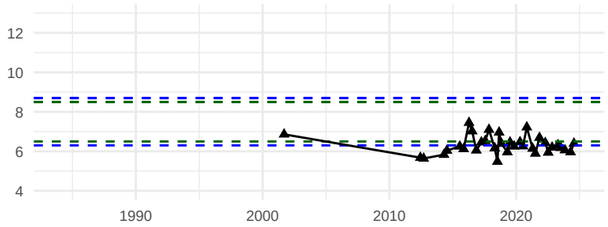
Dioxane (1,4−) (ug/L) :

AGQS: 0.32 ug/L



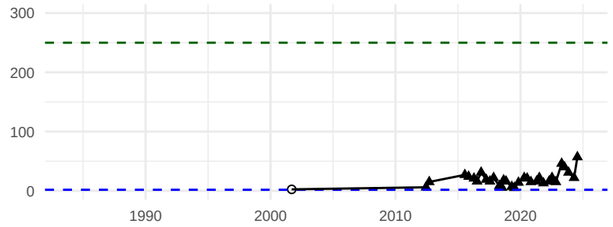
pH (SU) :

SMCL: 6.5 − 8.5 SU



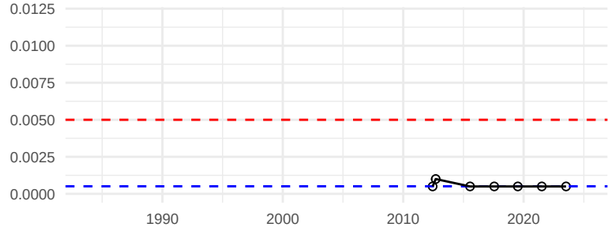
Chloride (mg/L) :

SMCL: 250 mg/L

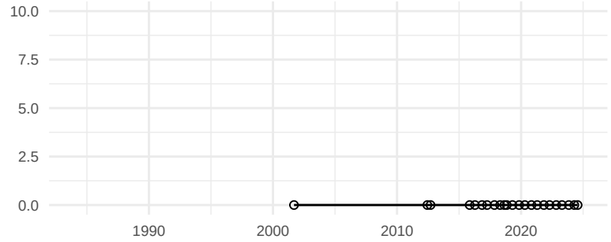


Dissolved Arsenic (mg/L) :

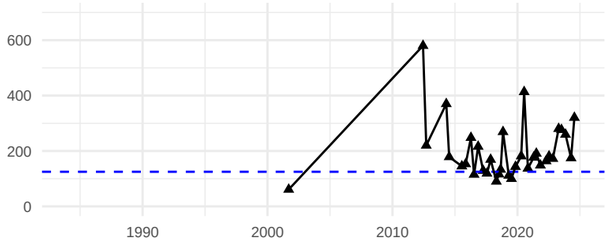
AGQS: 0.005 mg/L



Total VOCs (ug/L) :

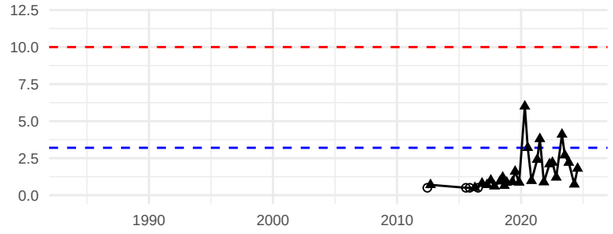


Specific Conductance (uS/cm) :



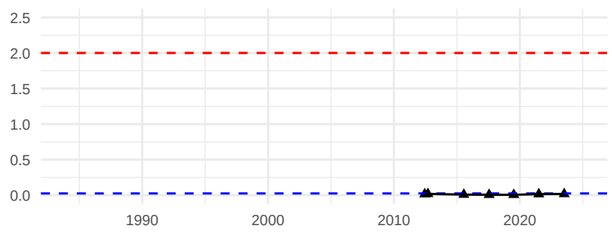
Nitrate (mg/L) :

AGQS: 10 mg/L



Dissolved Barium (mg/L) :

AGQS: 2 mg/L



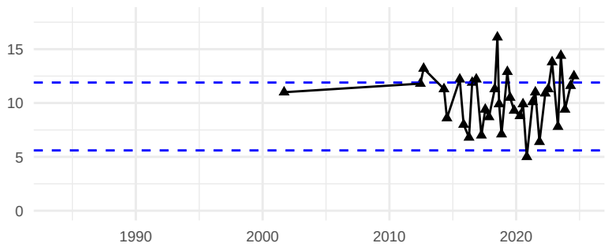
Result

- Detect
- Non−Detect

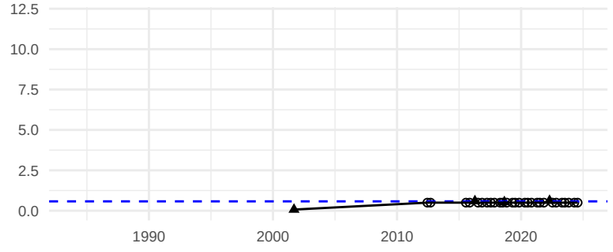
Standard

- AGQS
- SMCL
- Background

Temperature (C) :

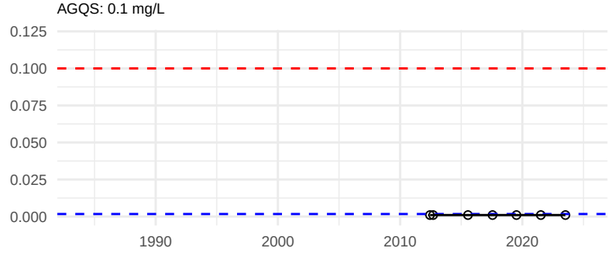


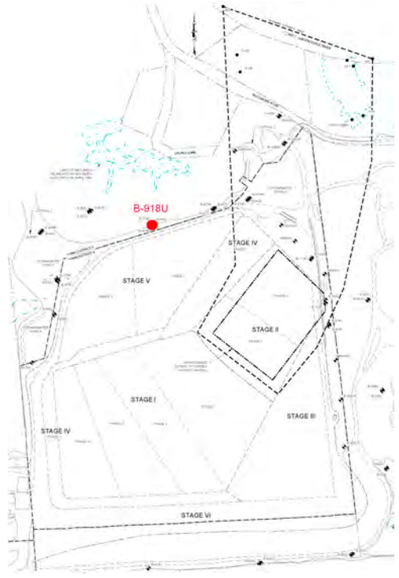
Total Kjeldahl Nitrogen (TKN) (mg/L) :



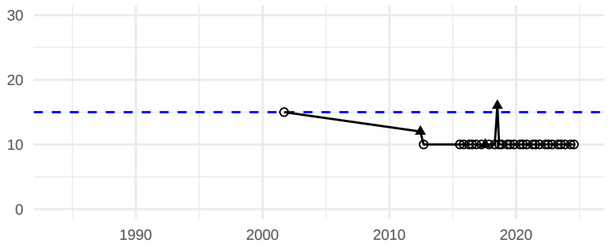
Dissolved Chromium (mg/L) :

AGQS: 0.1 mg/L



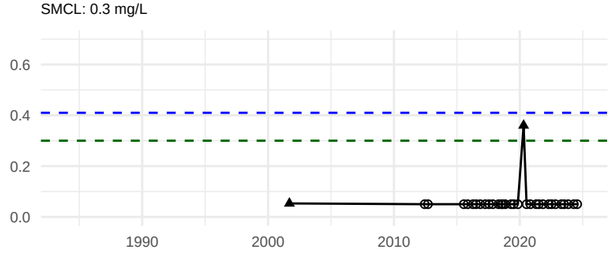


Chemical Oxygen Demand (mg/L) :



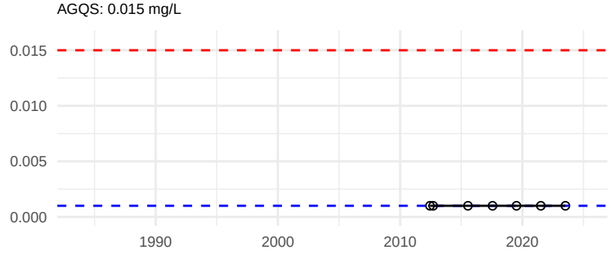
Dissolved Iron (mg/L) :

SMCL: 0.3 mg/L



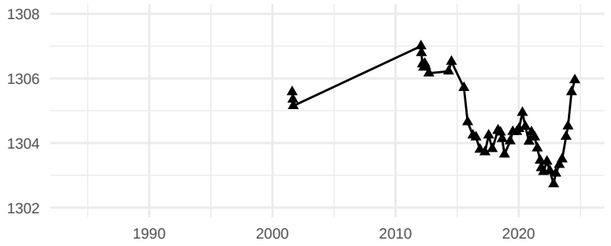
Dissolved Lead (mg/L) :

AGQS: 0.015 mg/L

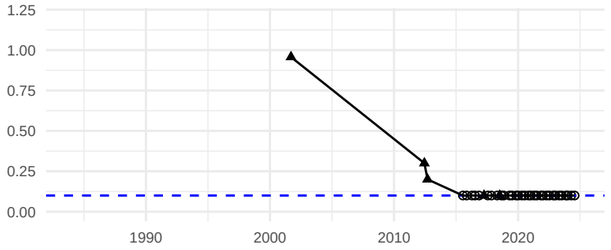


B−918M

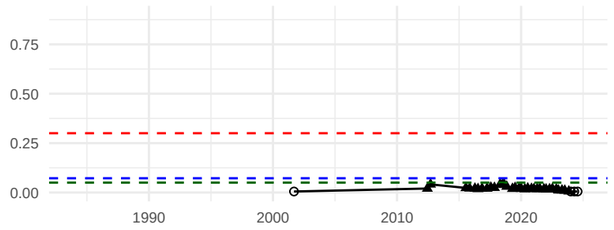
Groundwater Elevation (ft) :



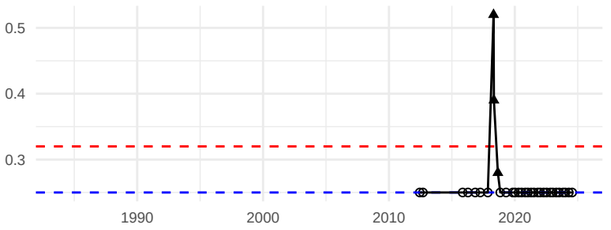
Bromide (mg/L) :



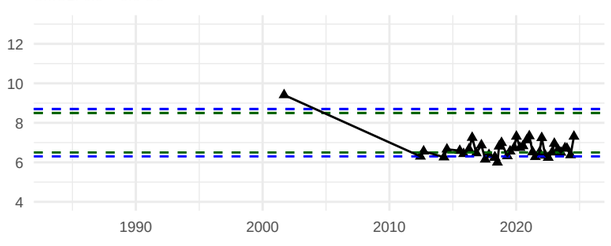
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



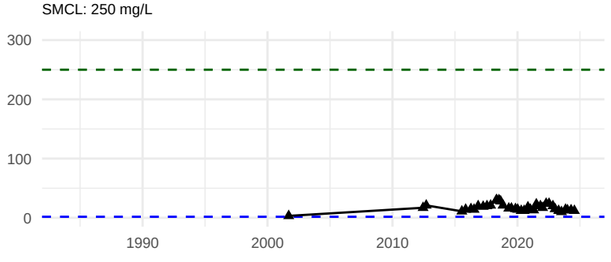
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



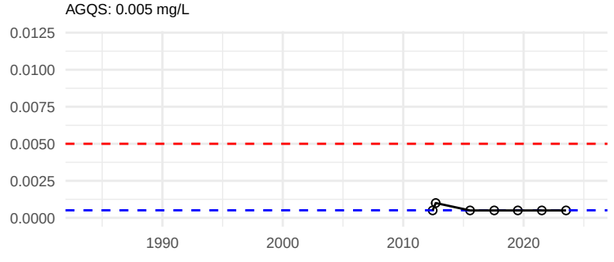
pH (SU) :
SMCL: 6.5 − 8.5 SU



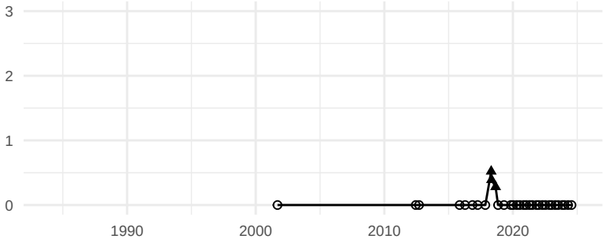
Chloride (mg/L) :
SMCL: 250 mg/L



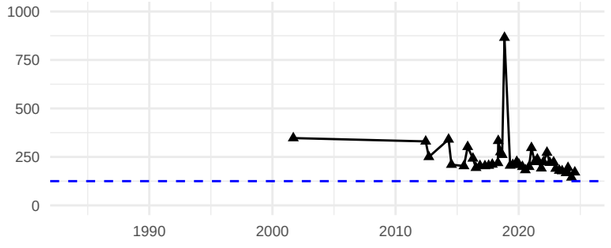
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



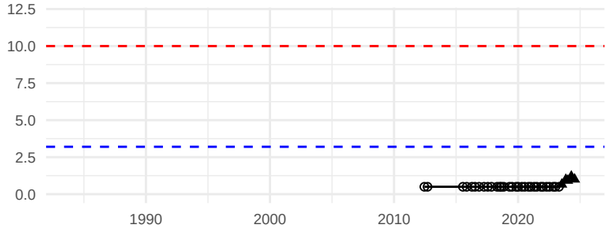
Total VOCs (ug/L) :



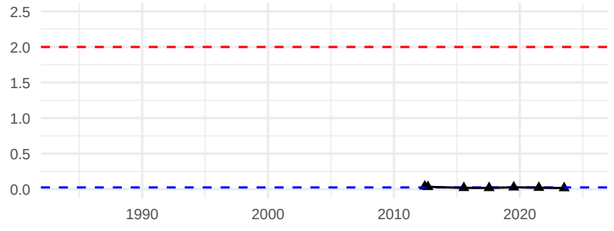
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



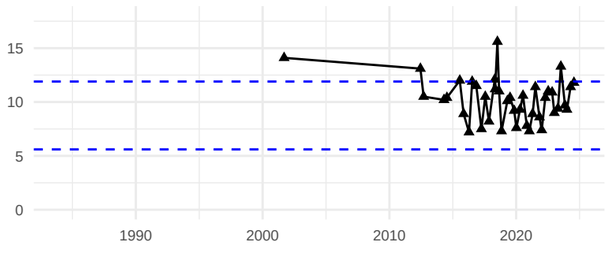
Result

- Detect
- Non−Detect

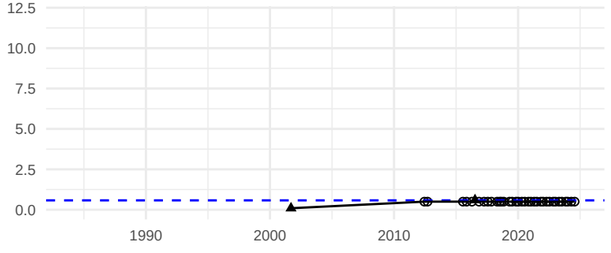
Standard

- AGQS
- SMCL
- Background

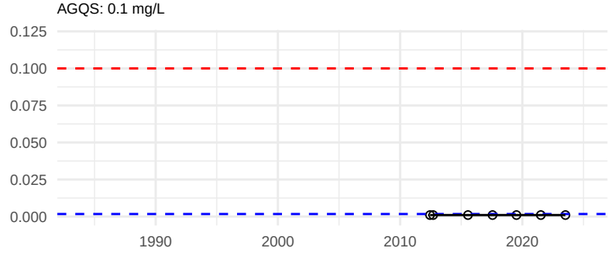
Temperature (C) :



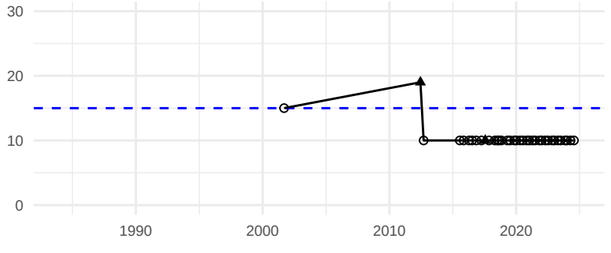
Total Kjeldahl Nitrogen (TKN) (mg/L) :



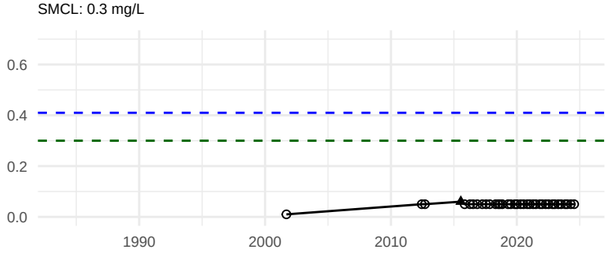
Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L



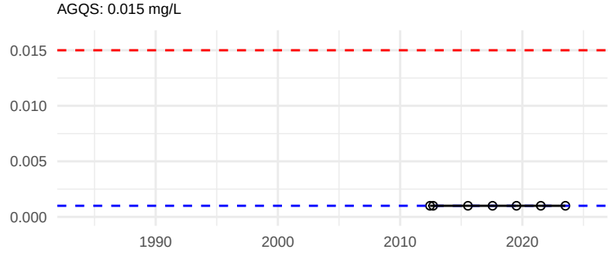
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L

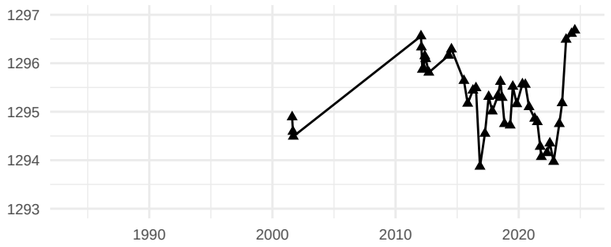


Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L

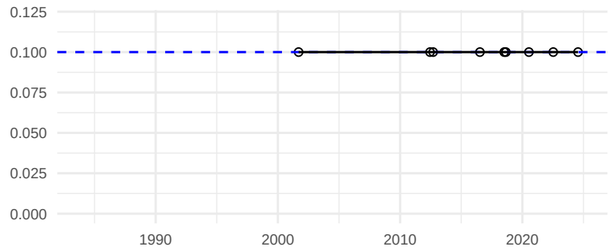


B−918D

Groundwater Elevation (ft) :

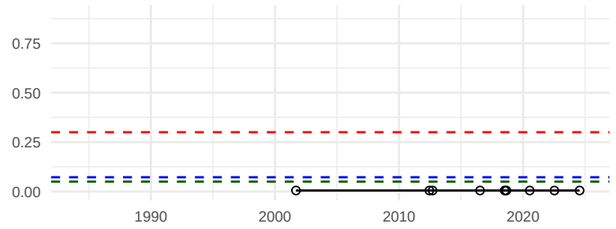


Bromide (mg/L) :



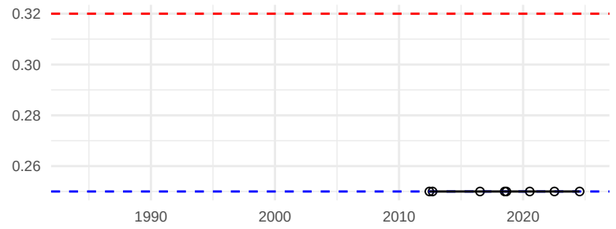
Dissolved Manganese (mg/L) :

AGQS: 0.3 mg/L SMCL: 0.05 mg/L



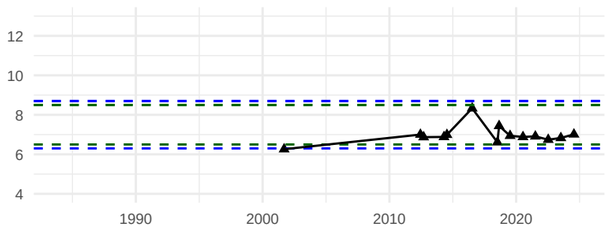
Dioxane (1,4−) (ug/L) :

AGQS: 0.32 ug/L



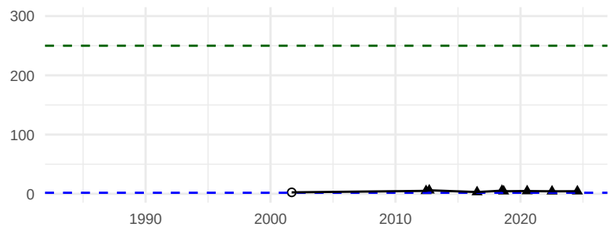
pH (SU) :

SMCL: 6.5 − 8.5 SU



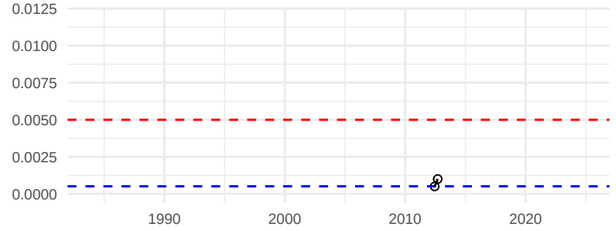
Chloride (mg/L) :

SMCL: 250 mg/L

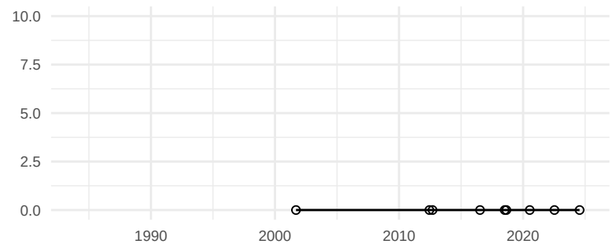


Dissolved Arsenic (mg/L) :

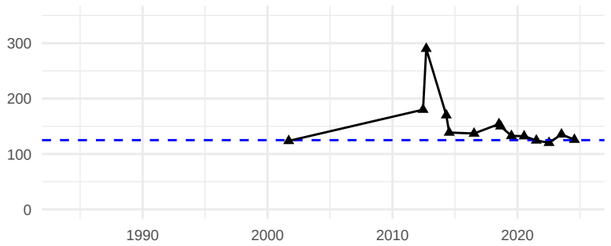
AGQS: 0.005 mg/L



Total VOCs (ug/L) :

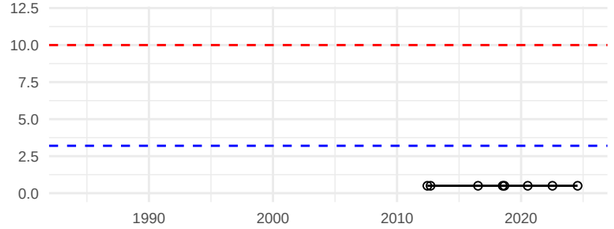


Specific Conductance (uS/cm) :



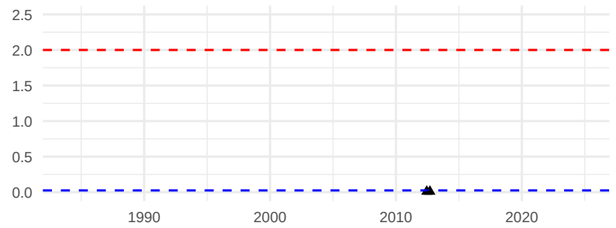
Nitrate (mg/L) :

AGQS: 10 mg/L



Dissolved Barium (mg/L) :

AGQS: 2 mg/L



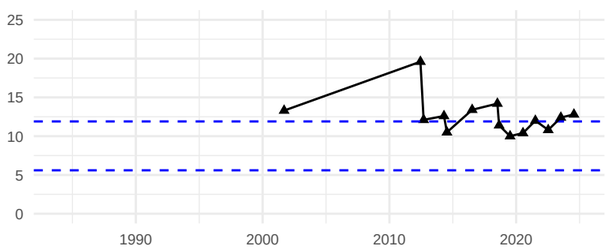
Result

- Detect
- Non−Detect

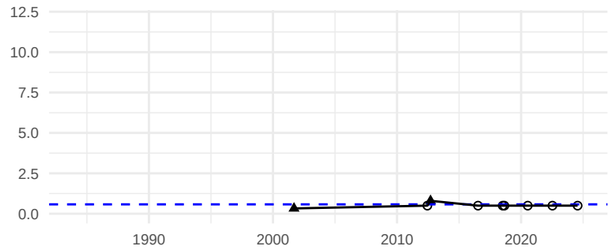
Standard

- AGQS
- SMCL
- Background

Temperature (C) :

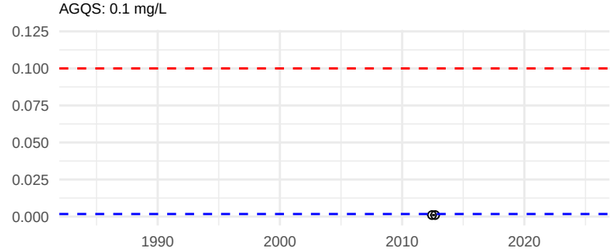


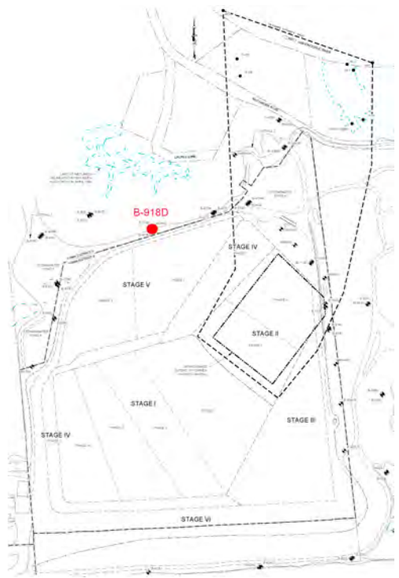
Total Kjeldahl Nitrogen (TKN) (mg/L) :



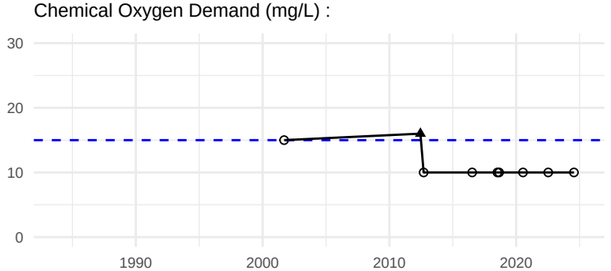
Dissolved Chromium (mg/L) :

AGQS: 0.1 mg/L



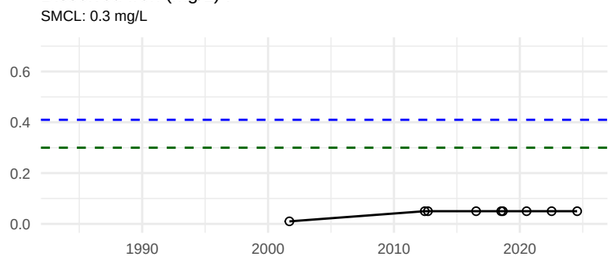


Chemical Oxygen Demand (mg/L) :



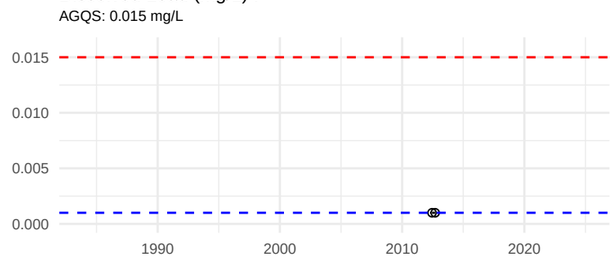
Dissolved Iron (mg/L) :

SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :

AGQS: 0.015 mg/L



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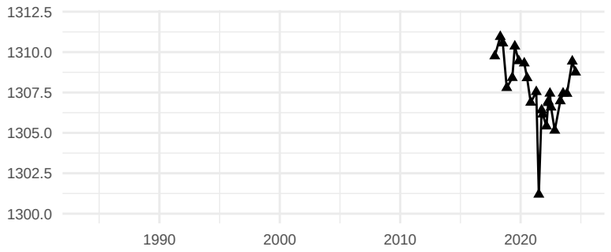
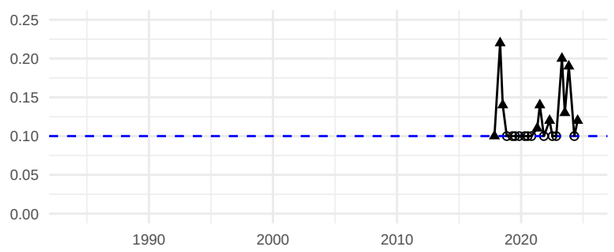
B−926U

Groundwater Elevation (ft) :

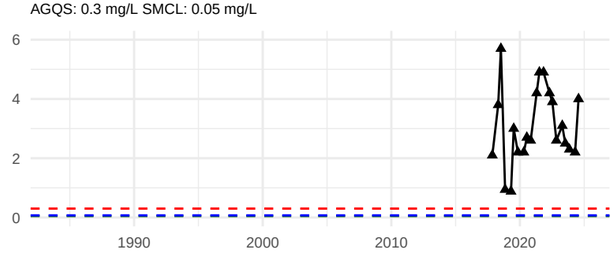


Bromide (mg/L) :



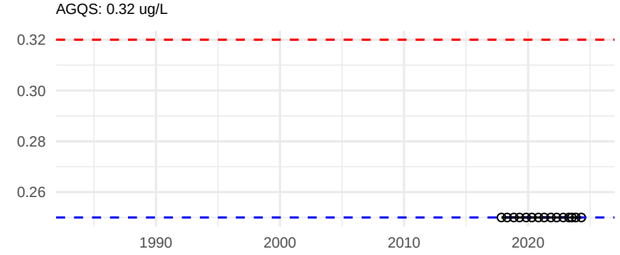
Dissolved Manganese (mg/L) :

AGQS: 0.3 mg/L SMCL: 0.05 mg/L



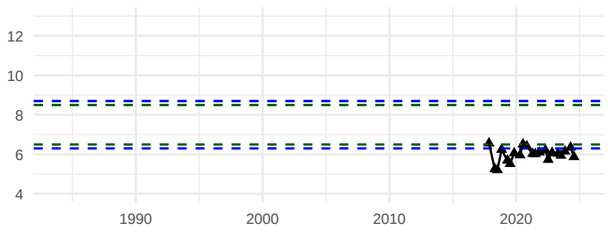
Dioxane (1,4−) (ug/L) :

AGQS: 0.32 ug/L



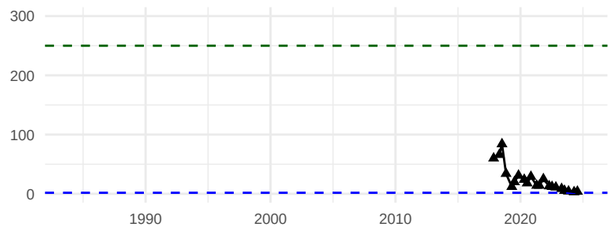
pH (SU) :

SMCL: 6.5 − 8.5 SU



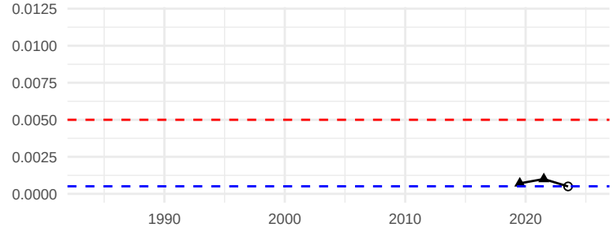
Chloride (mg/L) :

SMCL: 250 mg/L

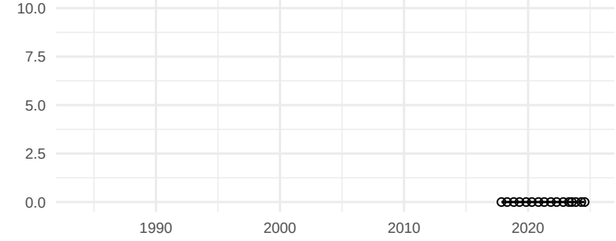


Dissolved Arsenic (mg/L) :

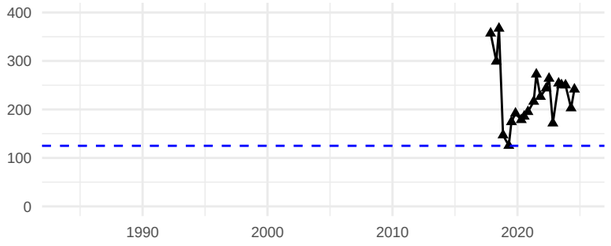
AGQS: 0.005 mg/L



Total VOCs (ug/L) :

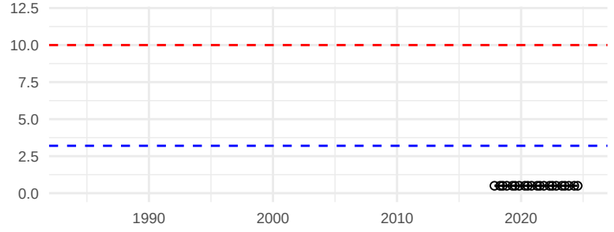


Specific Conductance (uS/cm) :



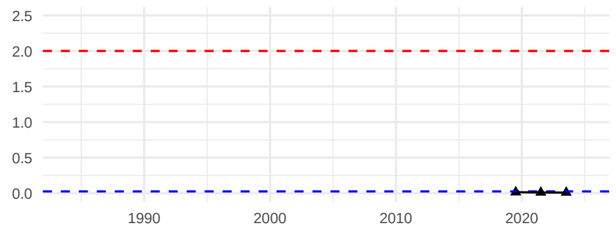
Nitrate (mg/L) :

AGQS: 10 mg/L



Dissolved Barium (mg/L) :

AGQS: 2 mg/L



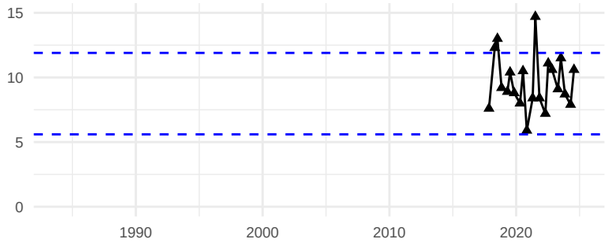
Result

- Detect
- Non−Detect

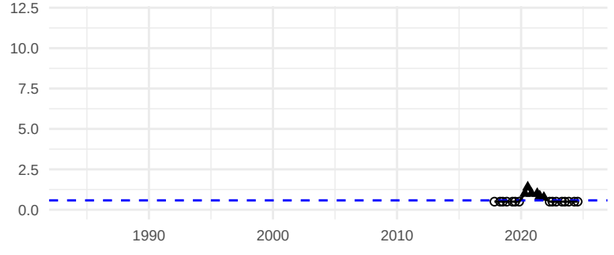
Standard

- AGQS
- SMCL
- Background

Temperature (C) :

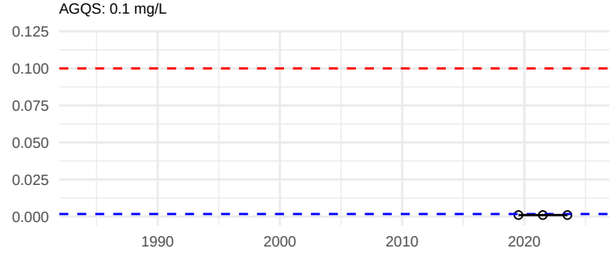


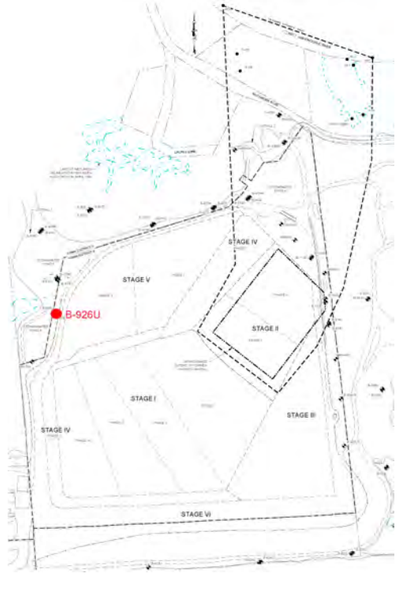
Total Kjeldahl Nitrogen (TKN) (mg/L) :



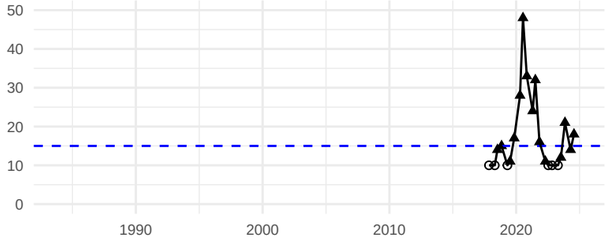
Dissolved Chromium (mg/L) :

AGQS: 0.1 mg/L



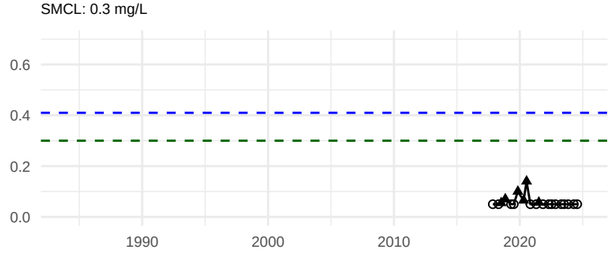


Chemical Oxygen Demand (mg/L) :



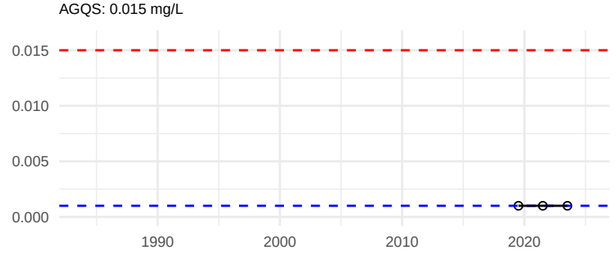
Dissolved Iron (mg/L) :

SMCL: 0.3 mg/L



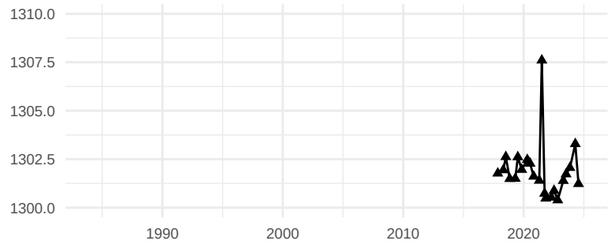
Dissolved Lead (mg/L) :

AGQS: 0.015 mg/L

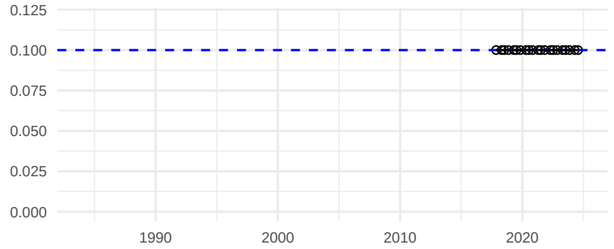


B−926L

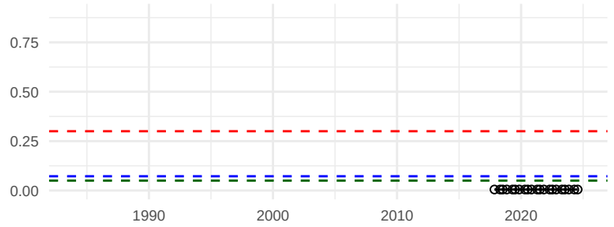
Groundwater Elevation (ft) :



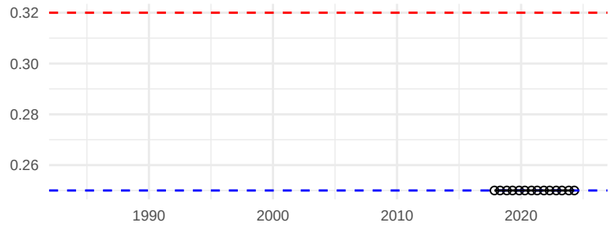
Bromide (mg/L) :



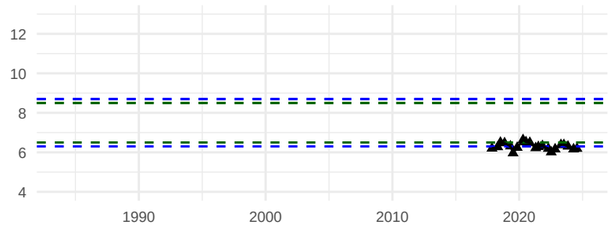
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



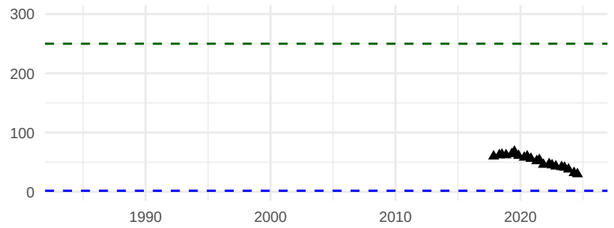
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



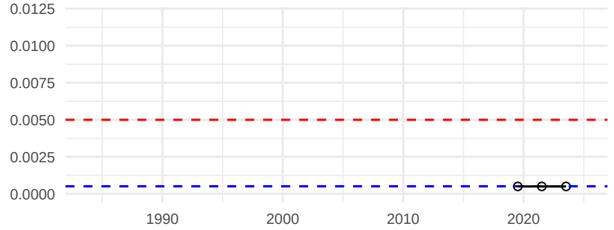
pH (SU) :
SMCL: 6.5 − 8.5 SU



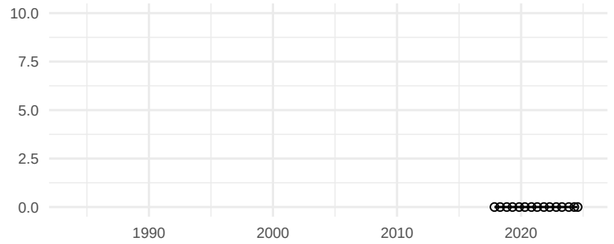
Chloride (mg/L) :
SMCL: 250 mg/L



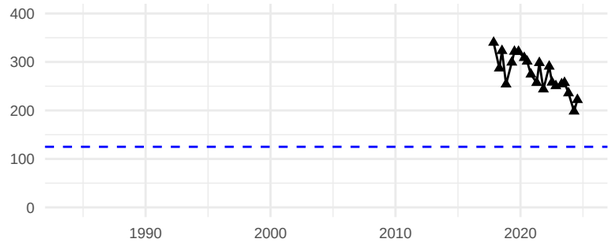
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



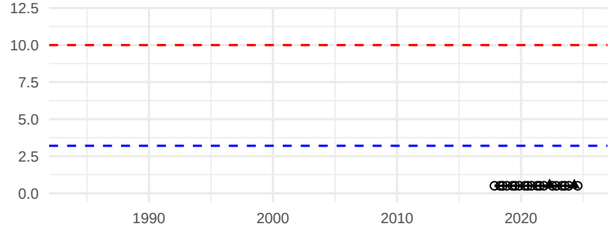
Total VOCs (ug/L) :



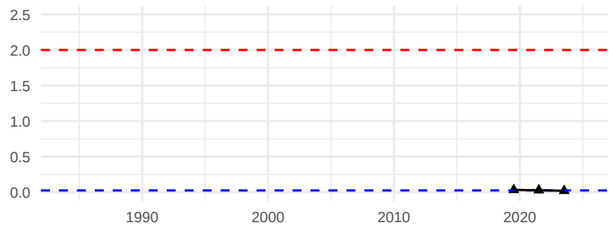
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



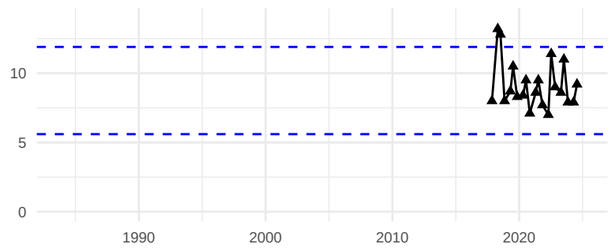
Result

- Detect
- Non−Detect

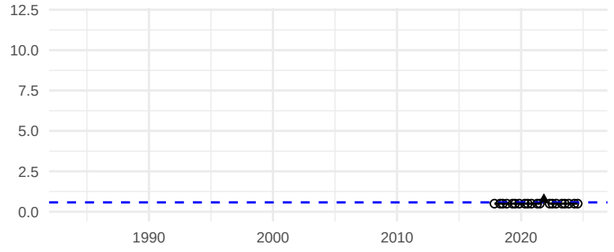
Standard

- AGQS
- SMCL
- Background

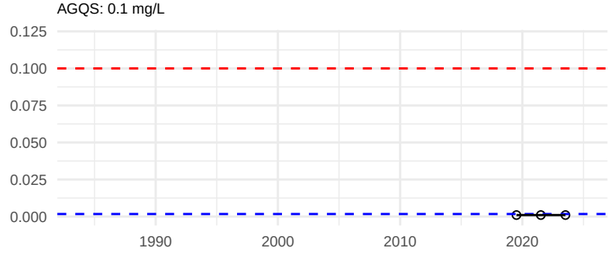
Temperature (C) :

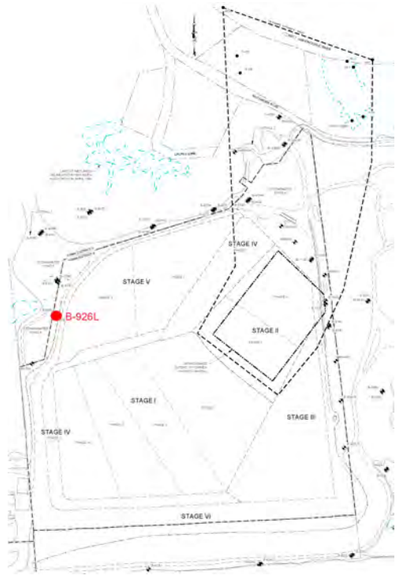


Total Kjeldahl Nitrogen (TKN) (mg/L) :

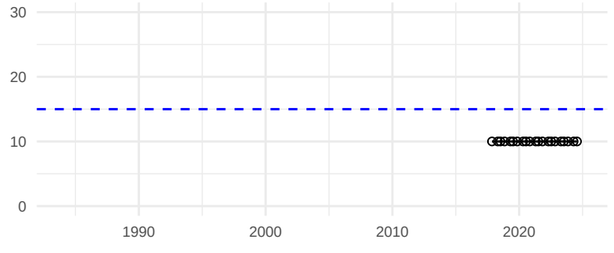


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

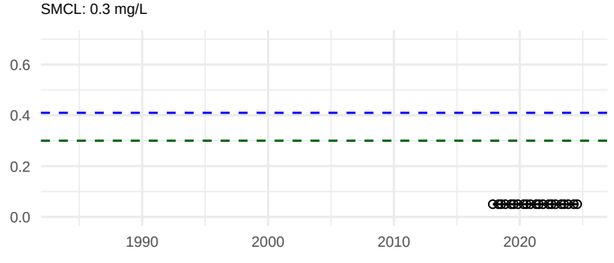




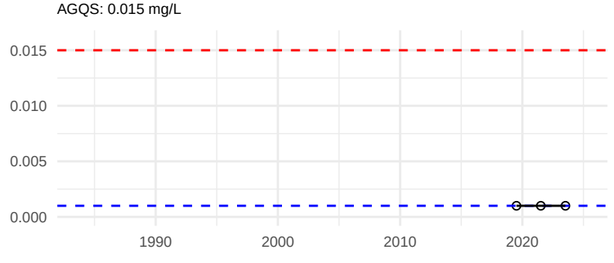
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L

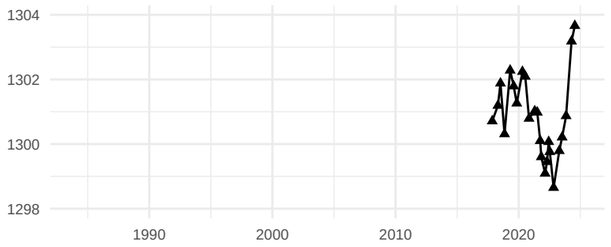


Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L

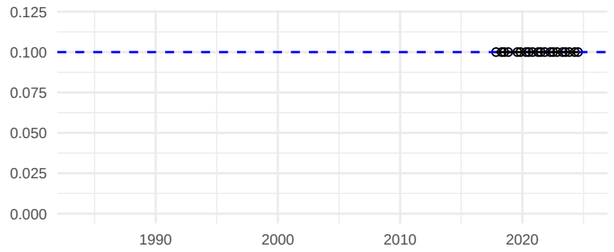


B−927U

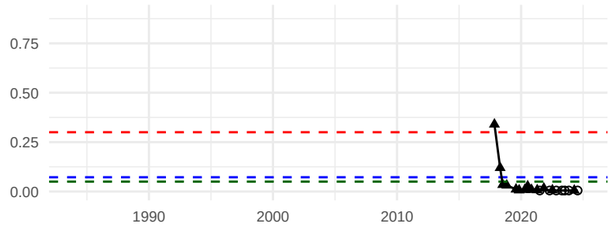
Groundwater Elevation (ft) :



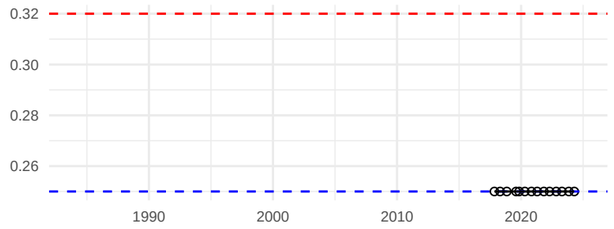
Bromide (mg/L) :



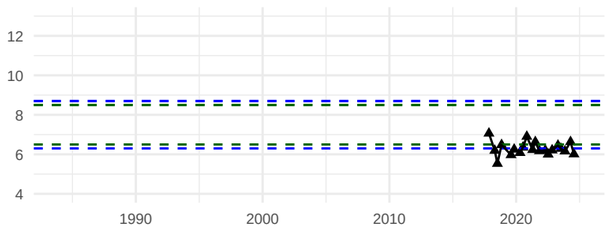
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



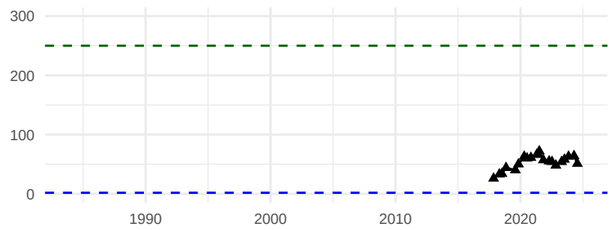
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



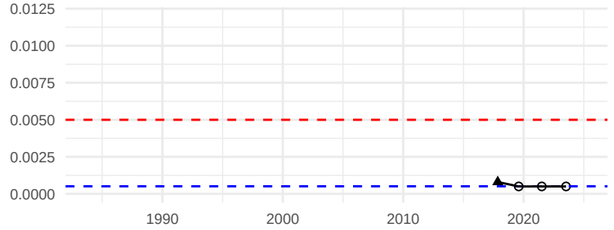
pH (SU) :
SMCL: 6.5 − 8.5 SU



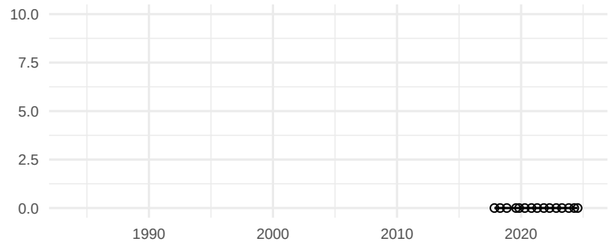
Chloride (mg/L) :
SMCL: 250 mg/L



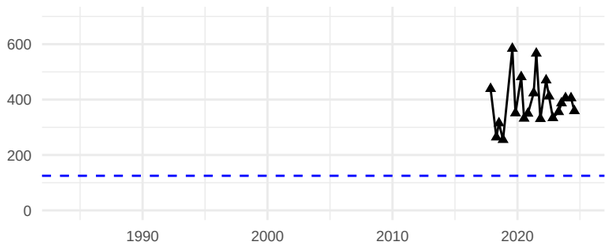
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



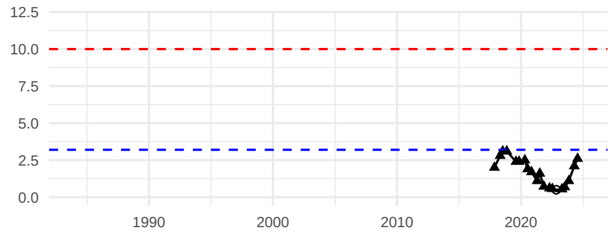
Total VOCs (ug/L) :



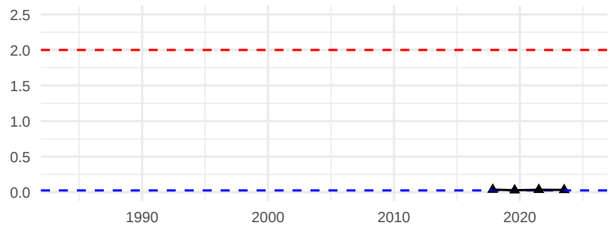
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



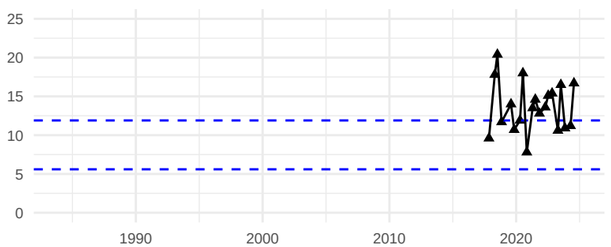
Result

- Detect
- Non−Detect

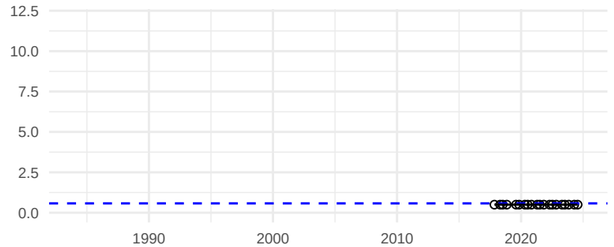
Standard

- AGQS
- SMCL
- Background

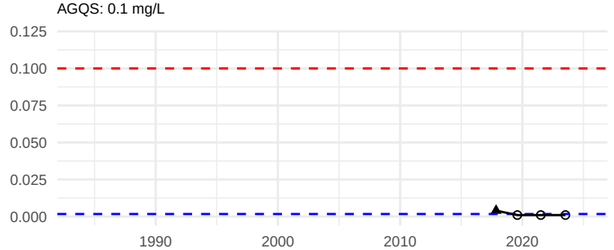
Temperature (C) :

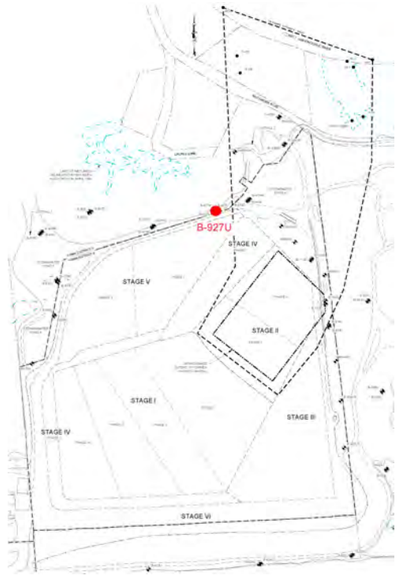


Total Kjeldahl Nitrogen (TKN) (mg/L) :

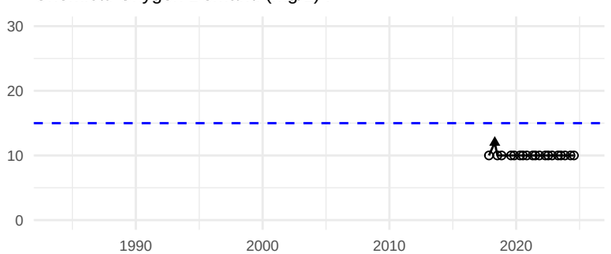


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

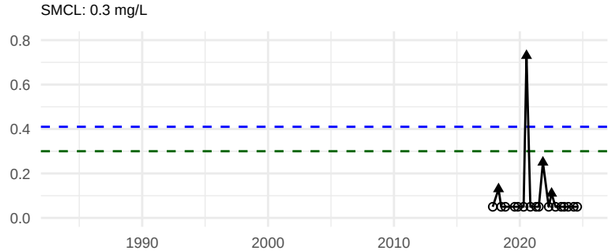




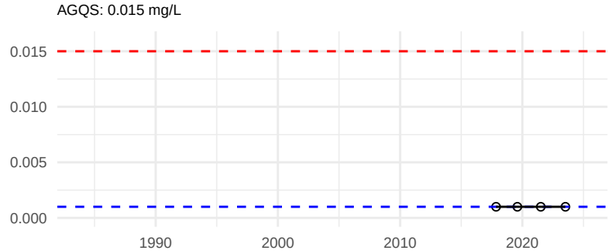
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L

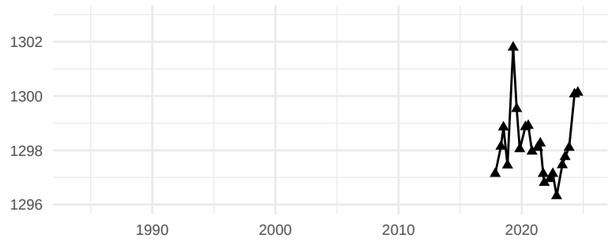


Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L

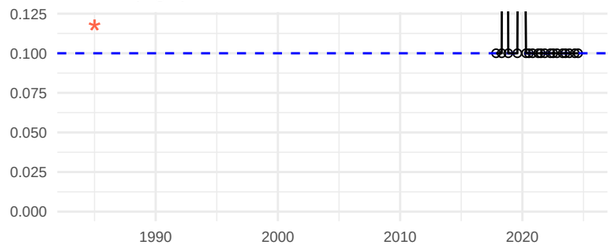


B−927M

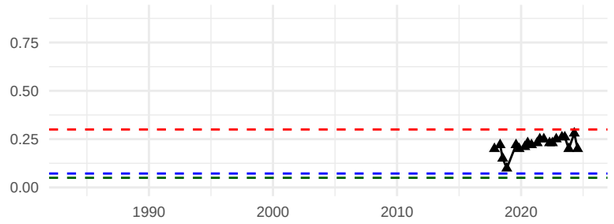
Groundwater Elevation (ft) :



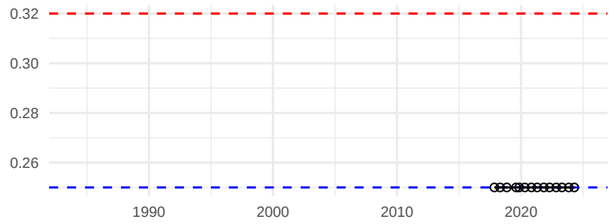
Bromide (mg/L) :



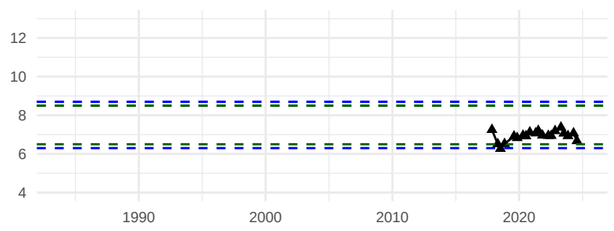
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



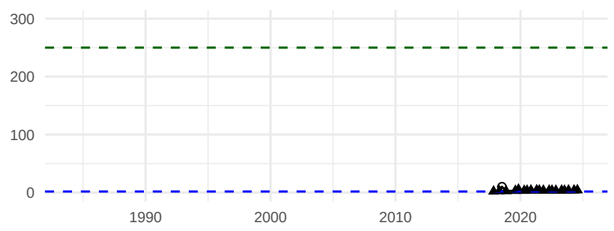
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



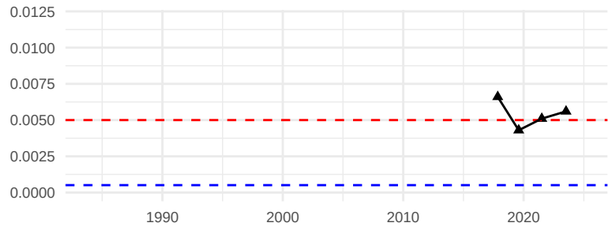
pH (SU) :
SMCL: 6.5 − 8.5 SU



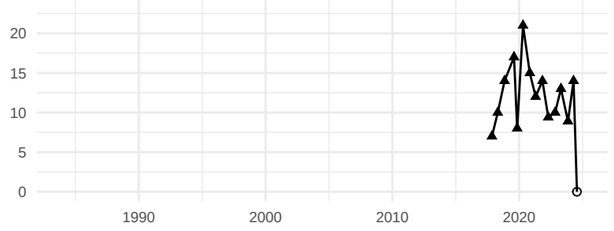
Chloride (mg/L) :
SMCL: 250 mg/L



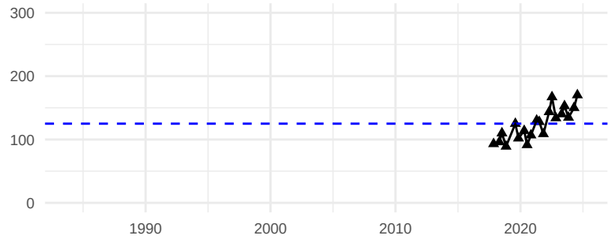
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



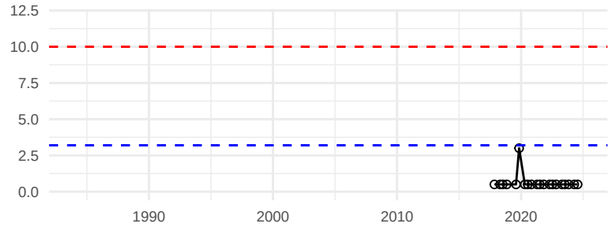
Total VOCs (ug/L) :



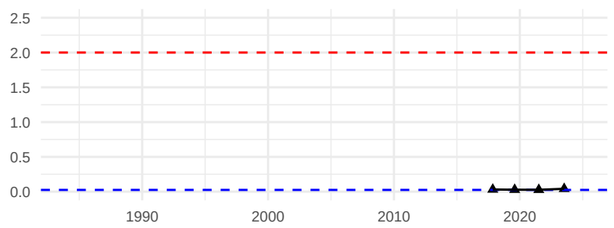
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



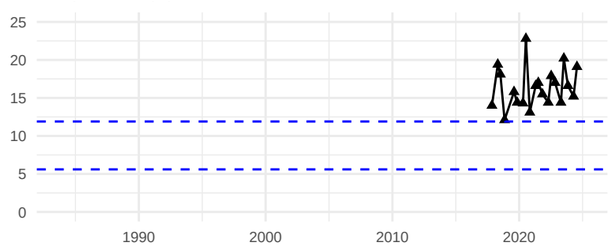
Result

- Detect
- Non−Detect

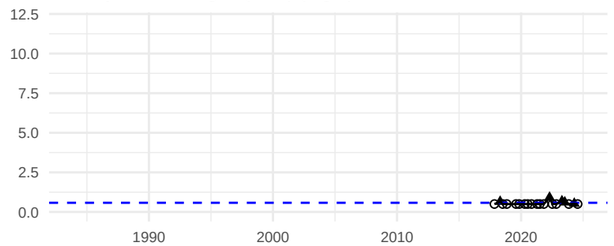
Standard

- AGQS
- SMCL
- Background

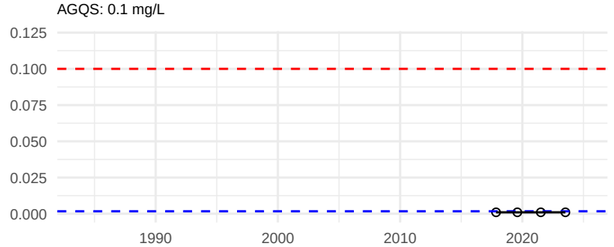
Temperature (C) :

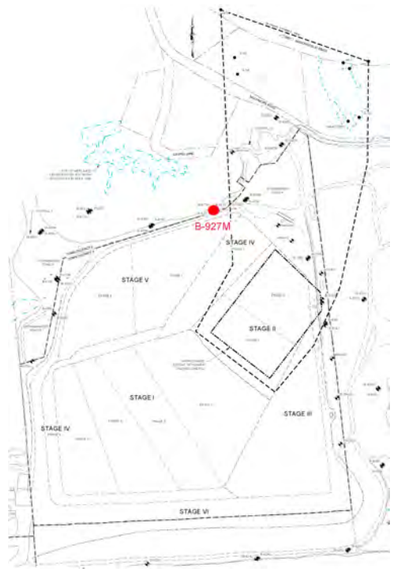


Total Kjeldahl Nitrogen (TKN) (mg/L) :

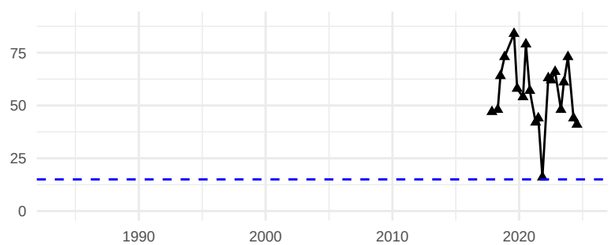


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

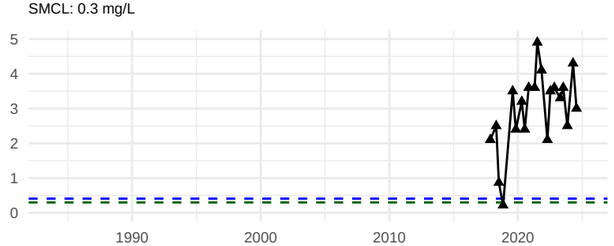




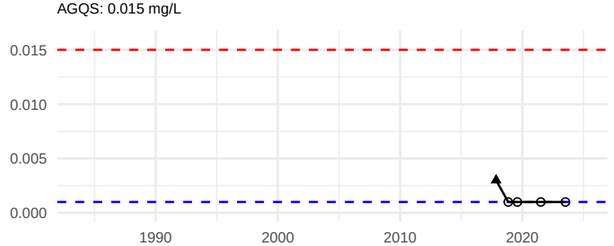
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L



* indicates one or more data points plot outside concentration range shown

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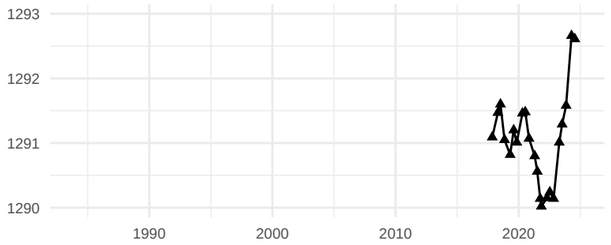
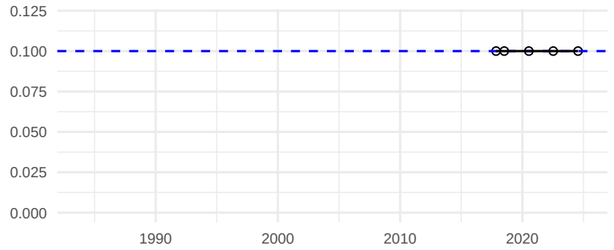
B−927L

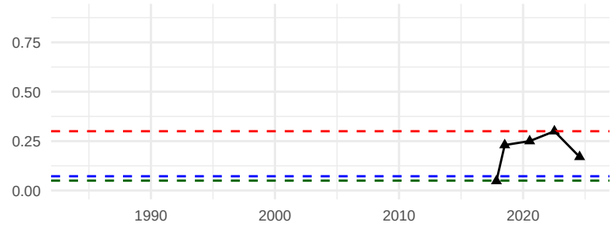
Groundwater Elevation (ft) :



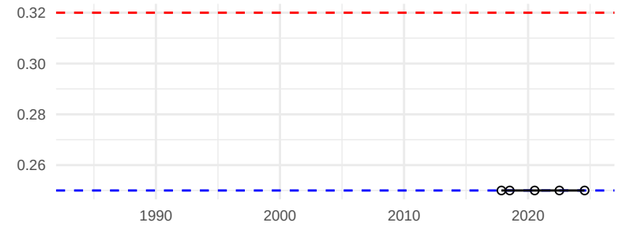
Bromide (mg/L) :



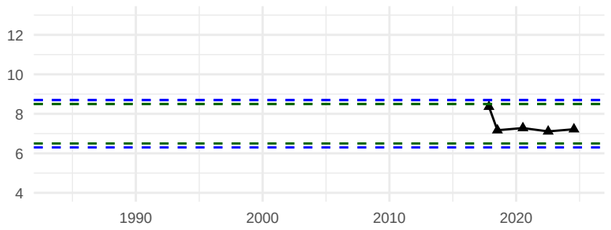
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



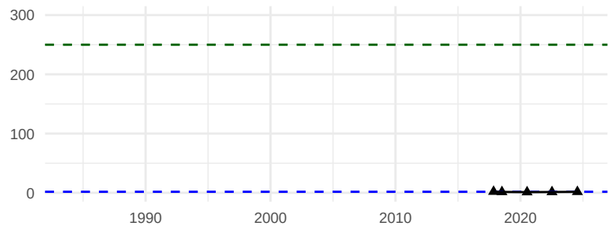
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



pH (SU) :
SMCL: 6.5 − 8.5 SU

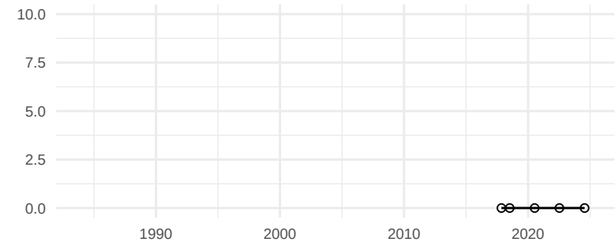


Chloride (mg/L) :
SMCL: 250 mg/L

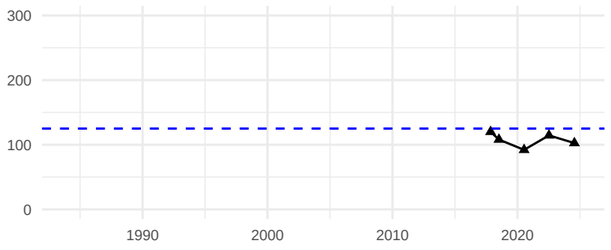


Dissolved Arsenic (mg/L) :
No Data

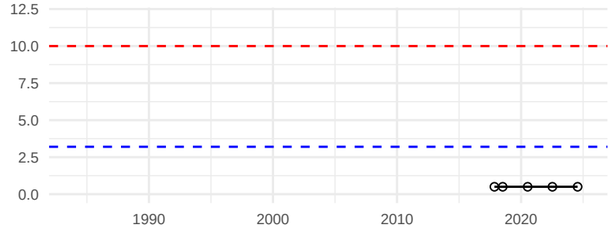
Total VOCs (ug/L) :



Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
No Data

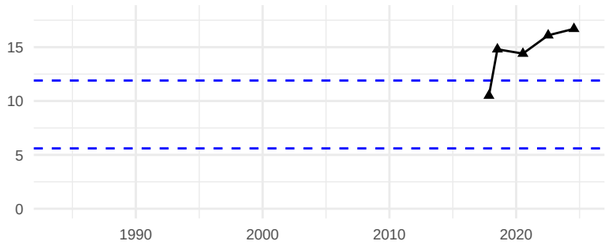
Result

- Detect
- Non−Detect

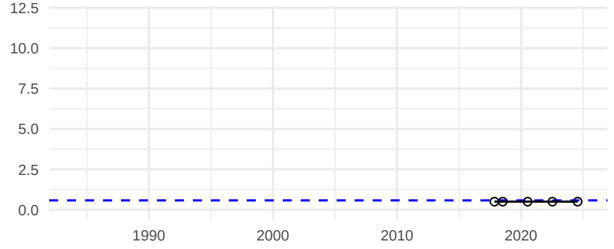
Standard

- AGQS
- SMCL
- Background

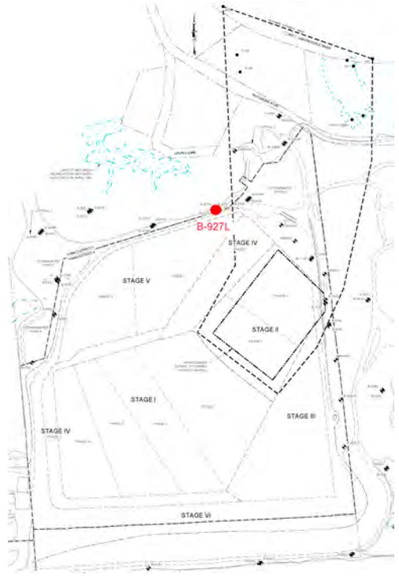
Temperature (C) :



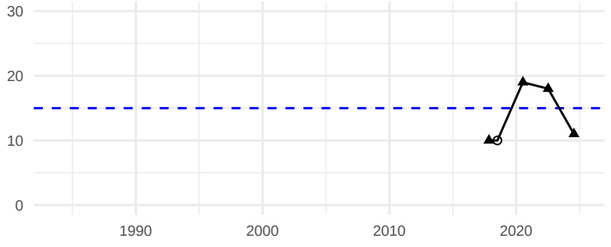
Total Kjeldahl Nitrogen (TKN) (mg/L) :



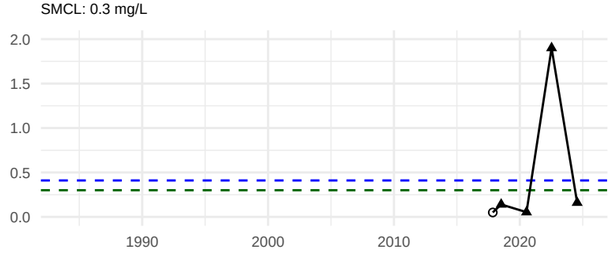
Dissolved Chromium (mg/L) :
No Data



Chemical Oxygen Demand (mg/L) :



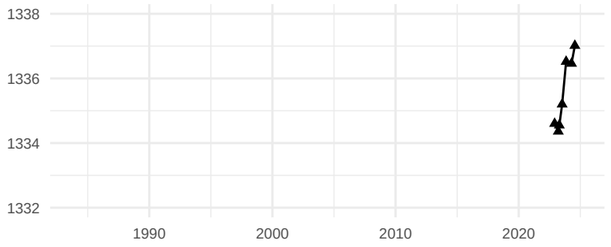
Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



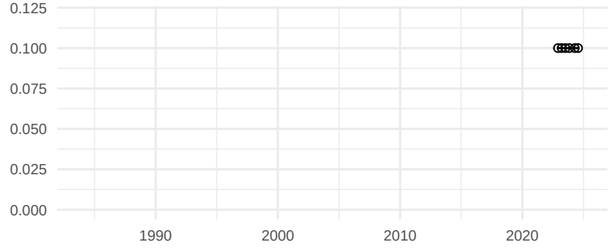
Dissolved Lead (mg/L) :
No Data

B−930U

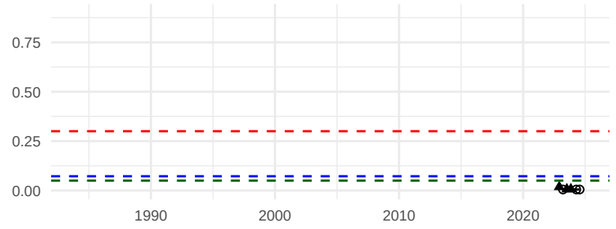
Groundwater Elevation (ft) :



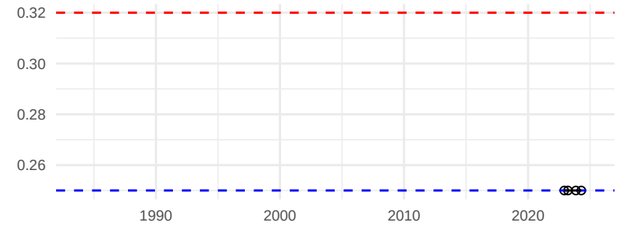
Bromide (mg/L) :



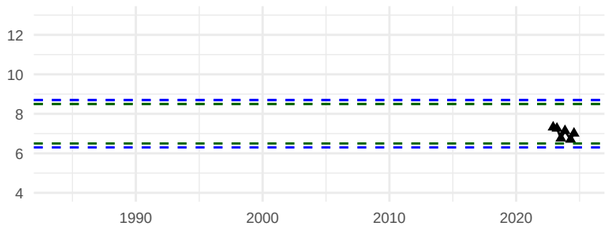
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



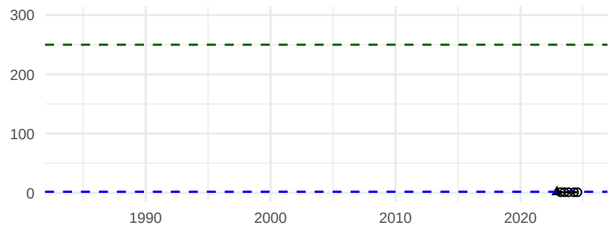
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



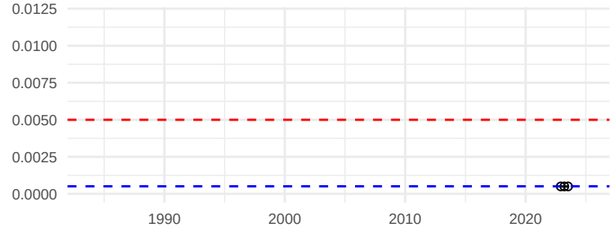
pH (SU) :
SMCL: 6.5 − 8.5 SU



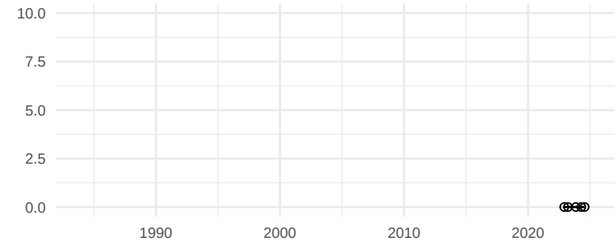
Chloride (mg/L) :
SMCL: 250 mg/L



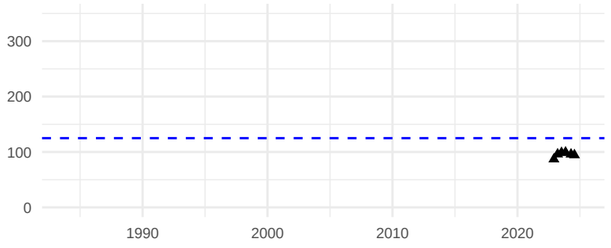
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



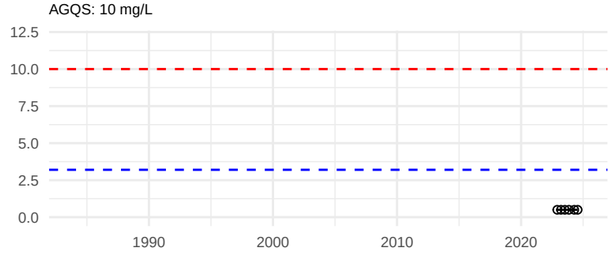
Total VOCs (ug/L) :



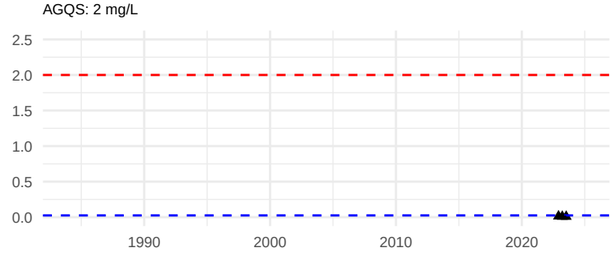
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



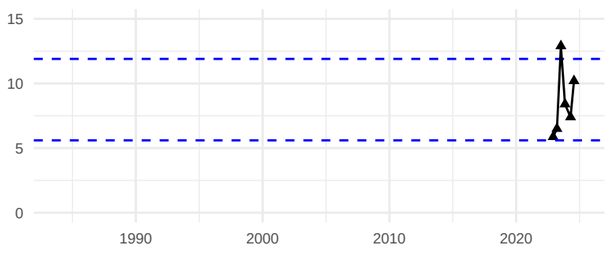
Result

- Detect
- Non−Detect

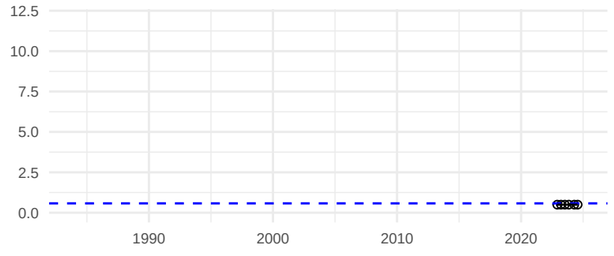
Standard

- AGQS
- SMCL
- Background

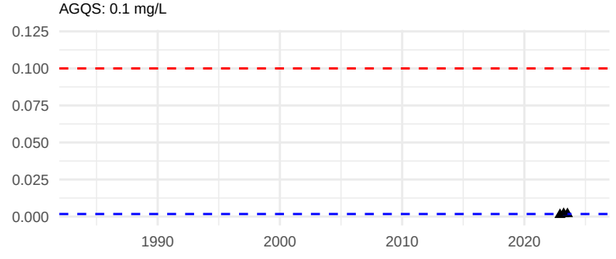
Temperature (C) :

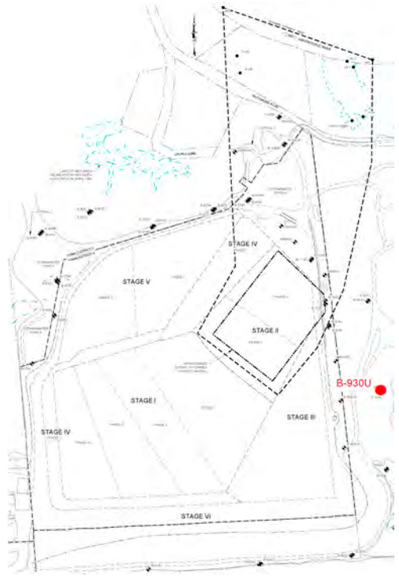


Total Kjeldahl Nitrogen (TKN) (mg/L) :

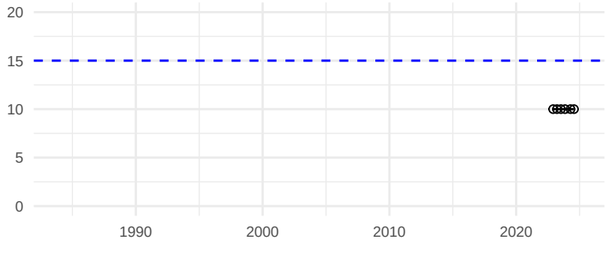


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

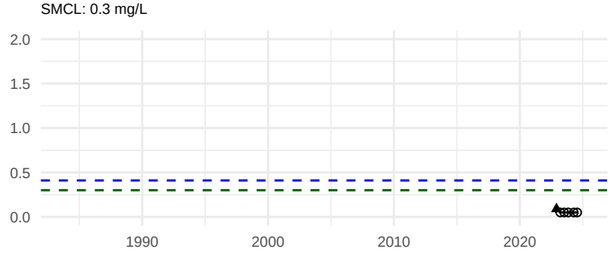




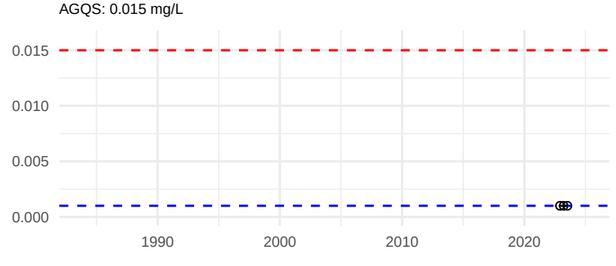
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L



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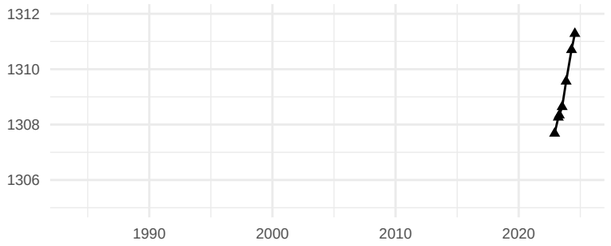
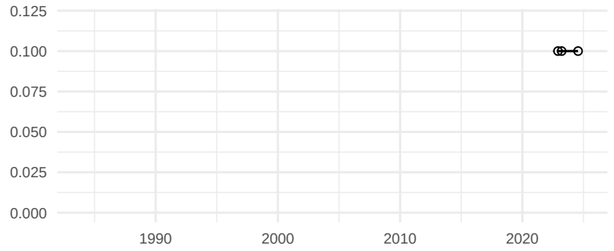
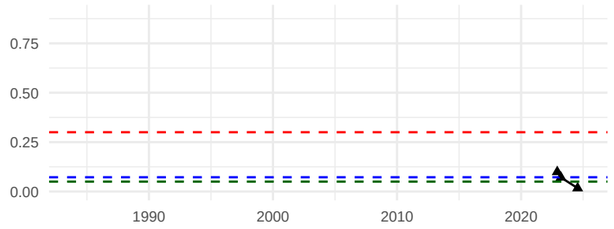
Groundwater Elevation (ft) :



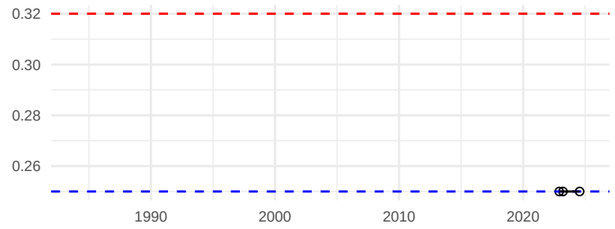
Bromide (mg/L) :



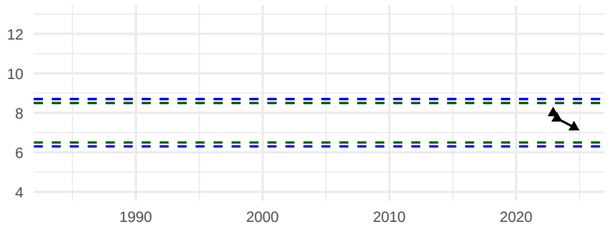
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



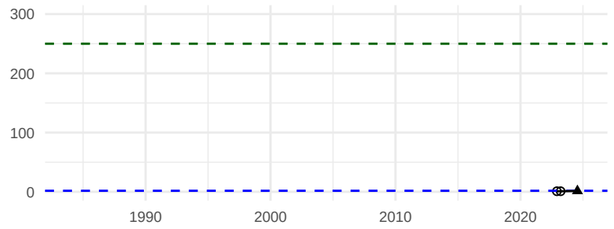
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



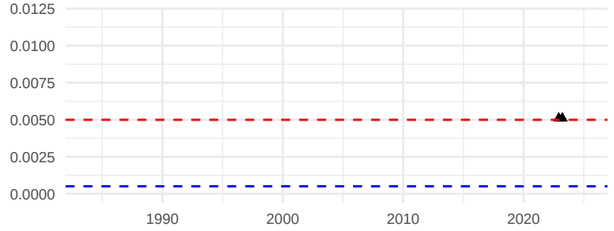
pH (SU) :
SMCL: 6.5 − 8.5 SU



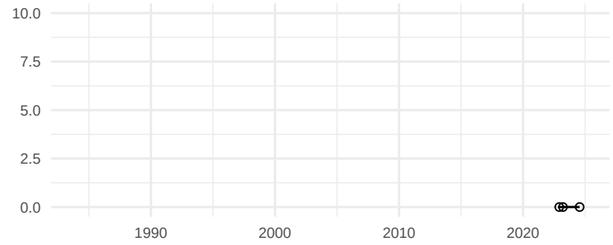
Chloride (mg/L) :
SMCL: 250 mg/L



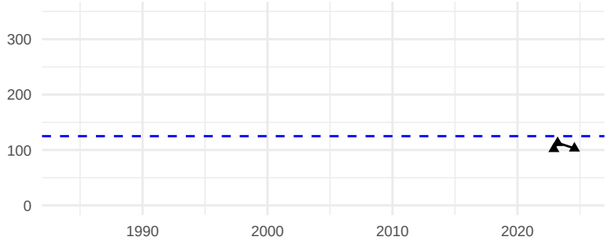
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



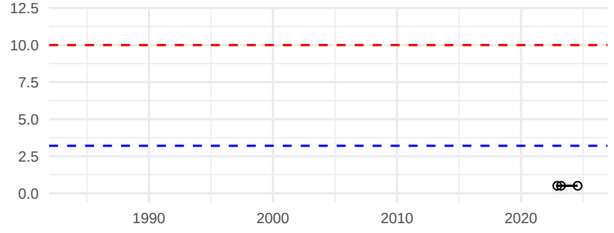
Total VOCs (ug/L) :



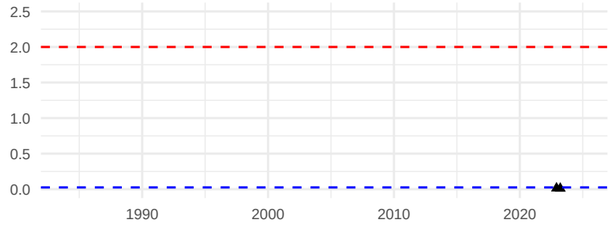
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



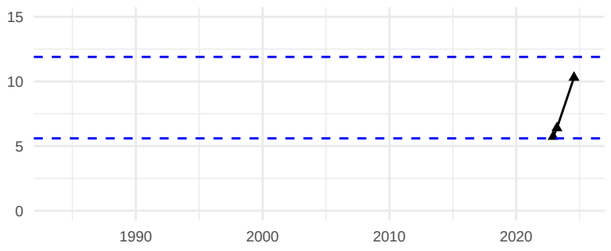
Result

- Detect
- Non−Detect

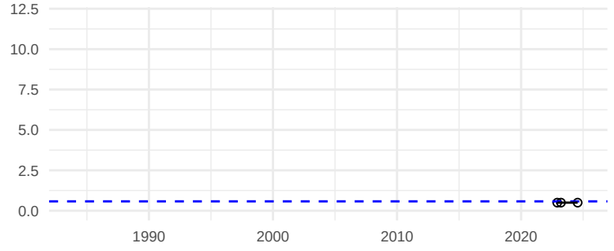
Standard

- AGQS
- SMCL
- Background

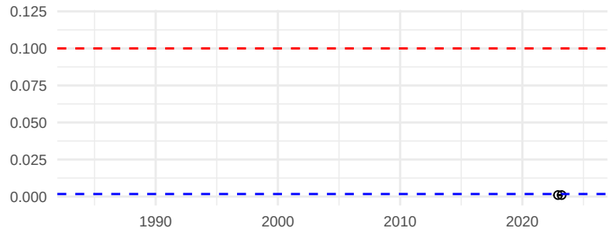
Temperature (C) :

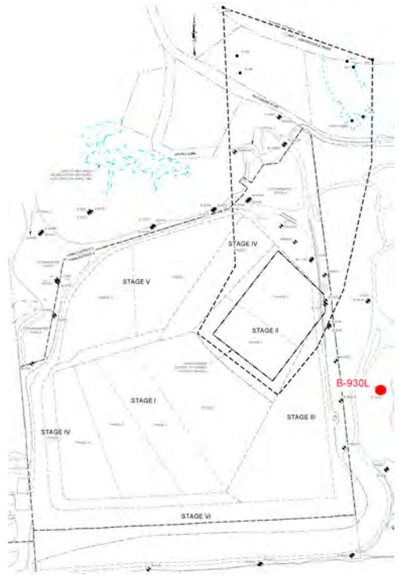


Total Kjeldahl Nitrogen (TKN) (mg/L) :

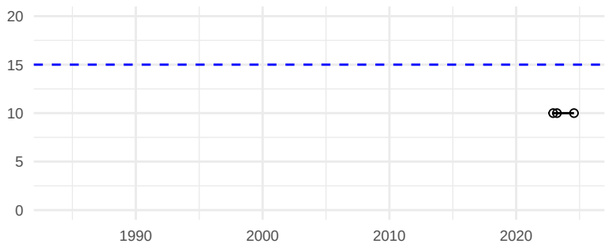


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

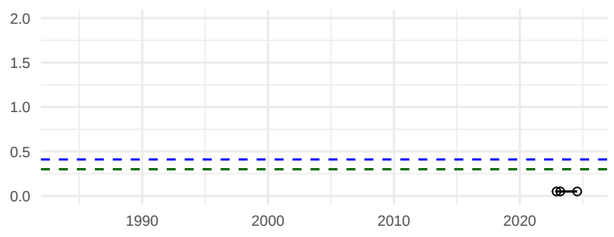




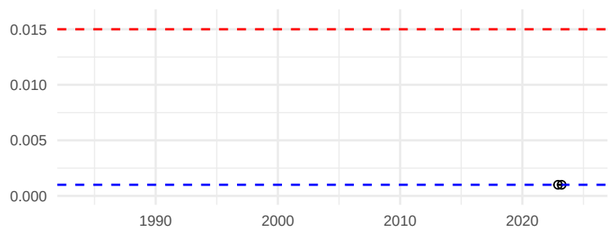
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L

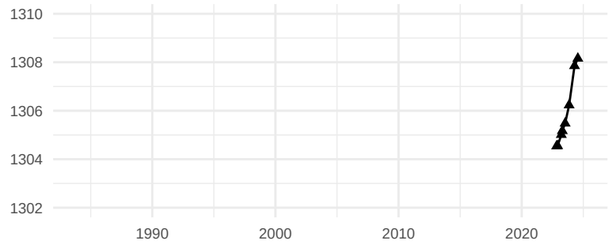


Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L

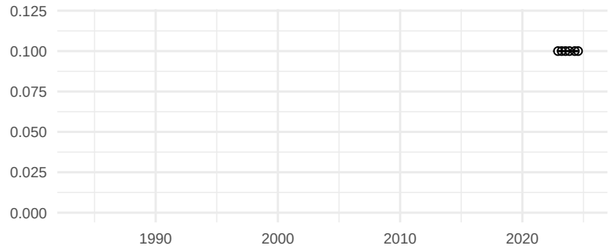


B−931U

Groundwater Elevation (ft) :

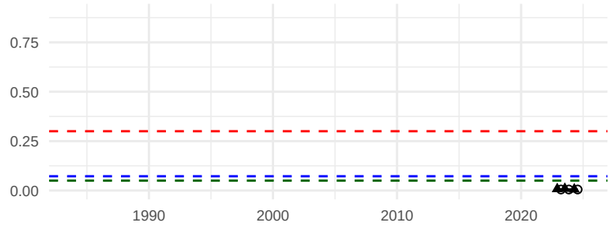


Bromide (mg/L) :



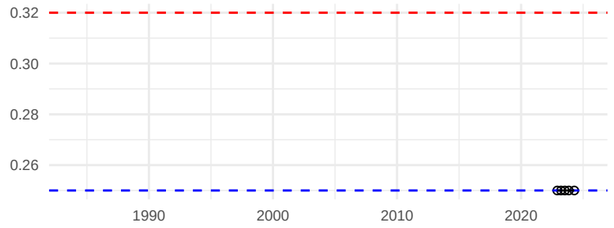
Dissolved Manganese (mg/L) :

AGQS: 0.3 mg/L SMCL: 0.05 mg/L



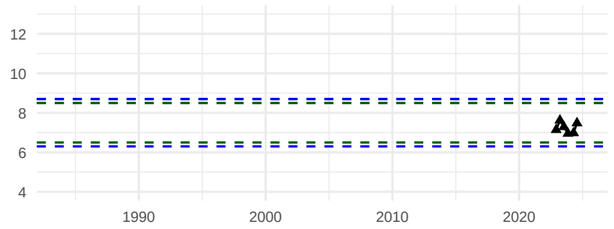
Dioxane (1,4−) (ug/L) :

AGQS: 0.32 ug/L



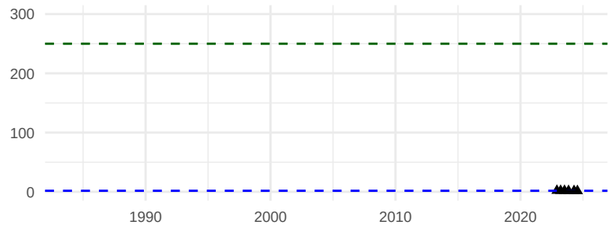
pH (SU) :

SMCL: 6.5 − 8.5 SU



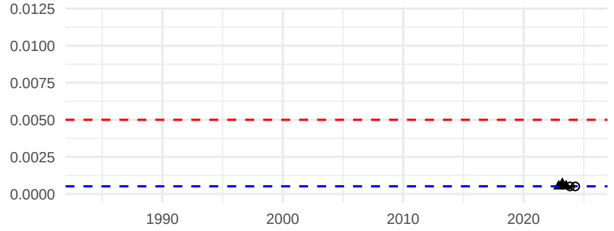
Chloride (mg/L) :

SMCL: 250 mg/L

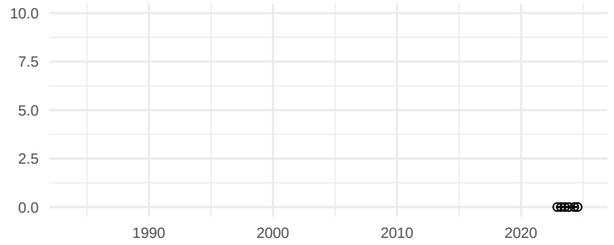


Dissolved Arsenic (mg/L) :

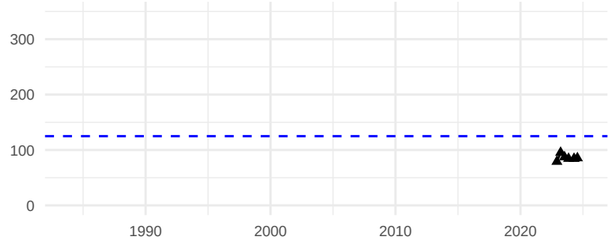
AGQS: 0.005 mg/L



Total VOCs (ug/L) :

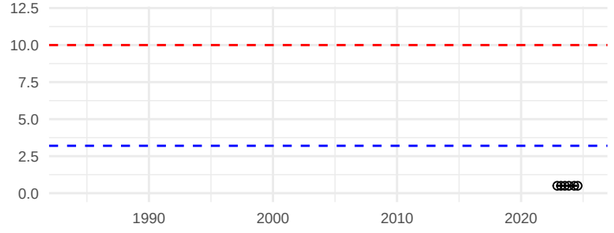


Specific Conductance (uS/cm) :



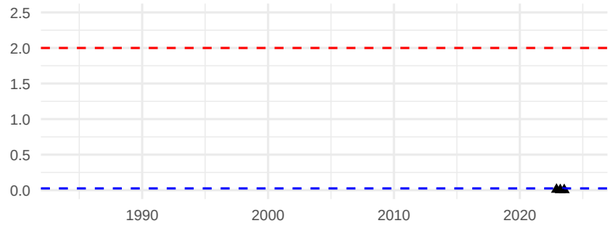
Nitrate (mg/L) :

AGQS: 10 mg/L



Dissolved Barium (mg/L) :

AGQS: 2 mg/L



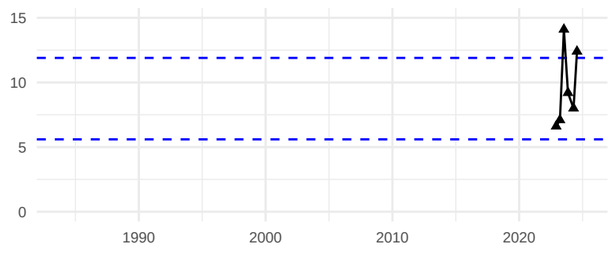
Result

- Detect
- Non−Detect

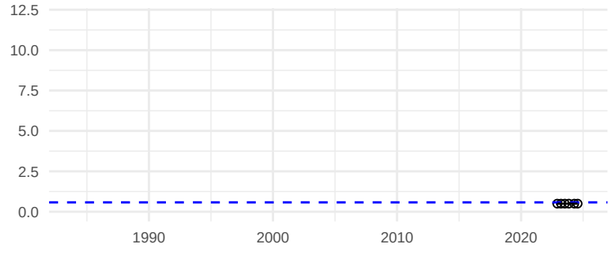
Standard

- AGQS
- SMCL
- Background

Temperature (C) :

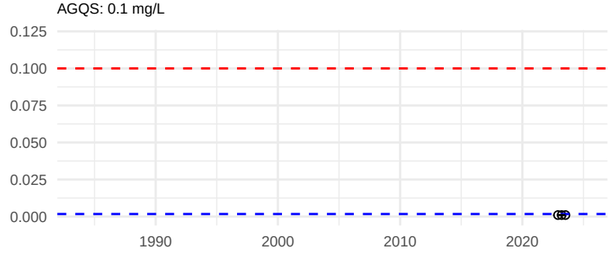


Total Kjeldahl Nitrogen (TKN) (mg/L) :

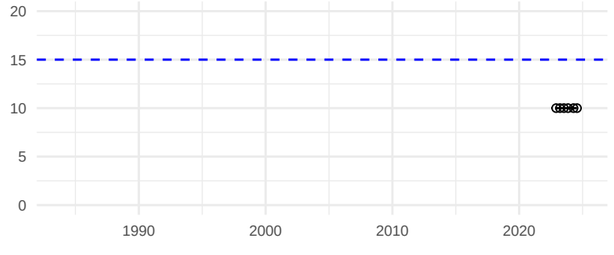


Dissolved Chromium (mg/L) :

AGQS: 0.1 mg/L

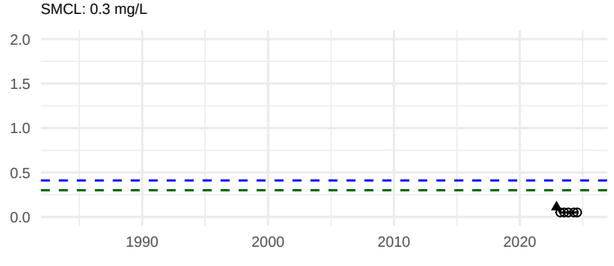


Chemical Oxygen Demand (mg/L) :



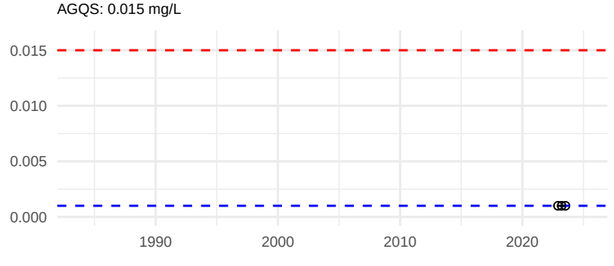
Dissolved Iron (mg/L) :

SMCL: 0.3 mg/L



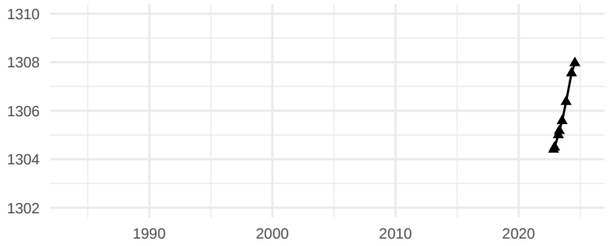
Dissolved Lead (mg/L) :

AGQS: 0.015 mg/L

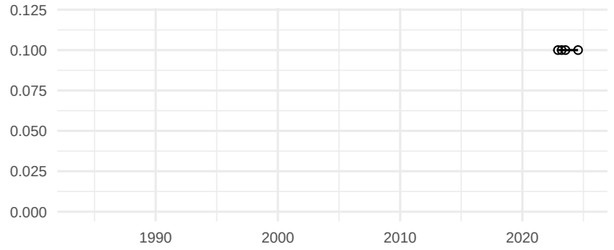


B−931L

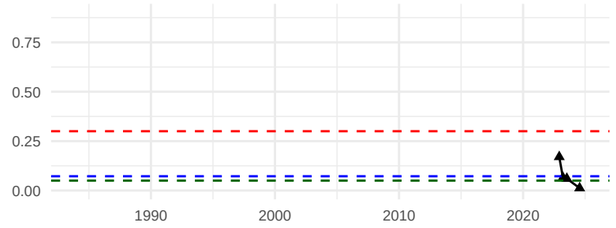
Groundwater Elevation (ft) :



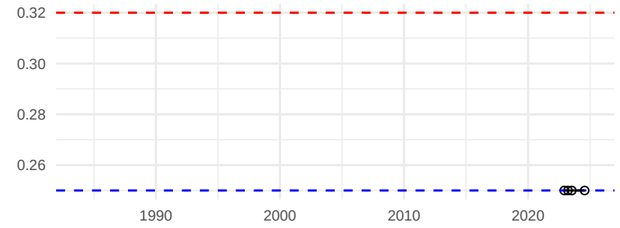
Bromide (mg/L) :



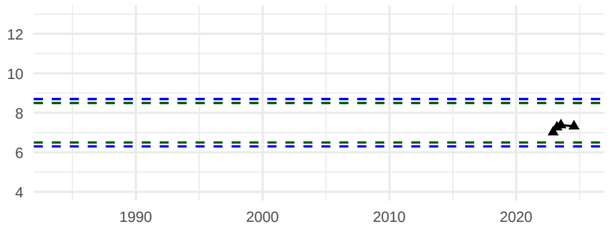
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



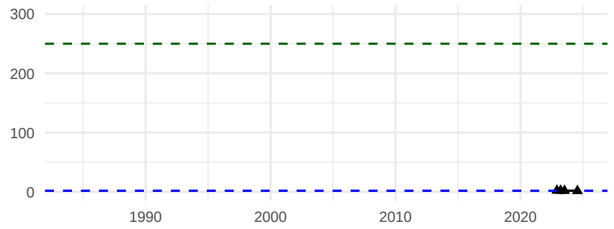
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



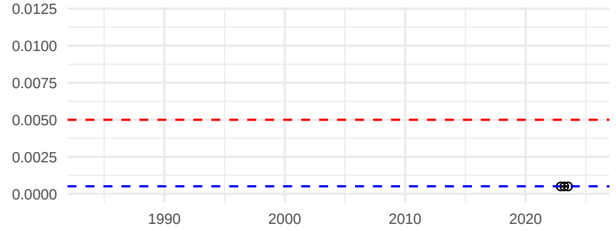
pH (SU) :
SMCL: 6.5 − 8.5 SU



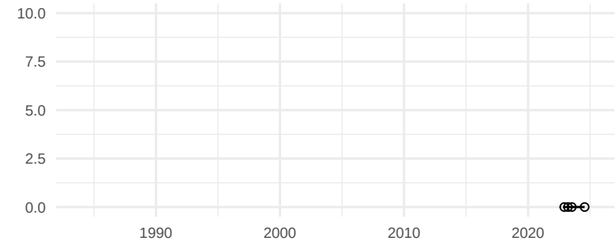
Chloride (mg/L) :
SMCL: 250 mg/L



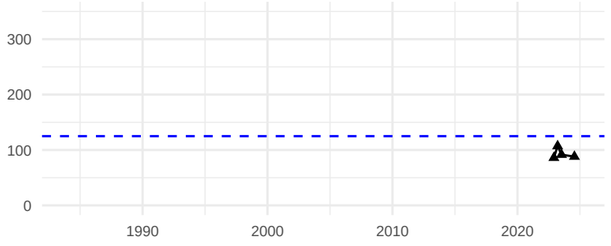
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



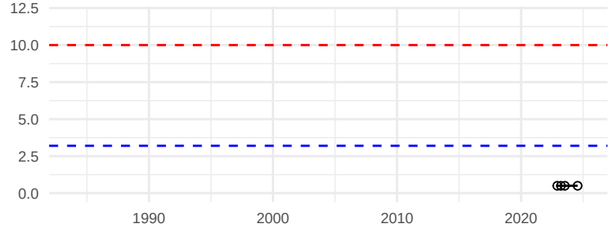
Total VOCs (ug/L) :



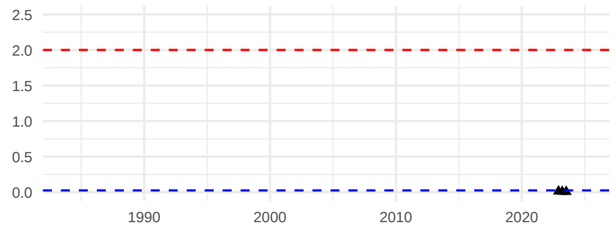
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



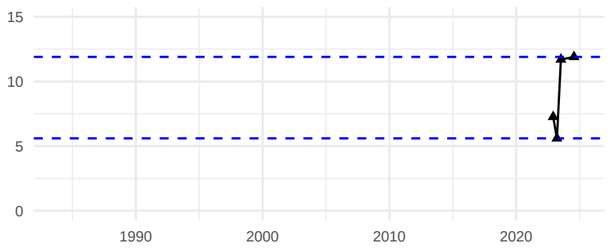
Result

- Detect
- Non−Detect

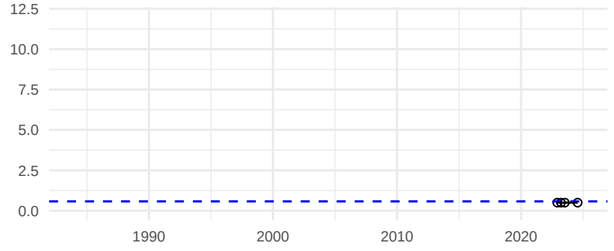
Standard

- AGQS
- SMCL
- Background

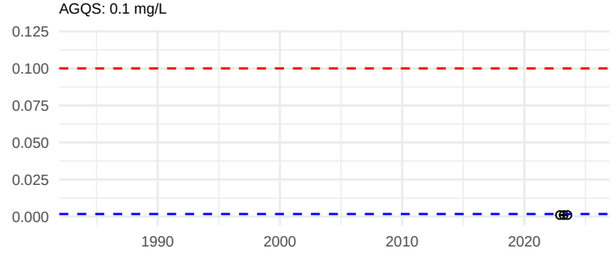
Temperature (C) :



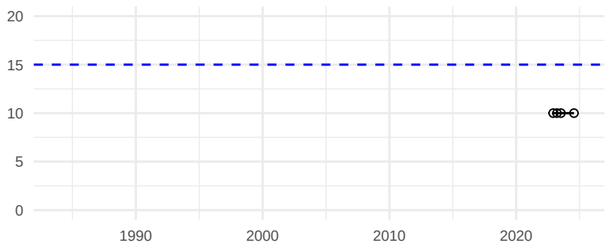
Total Kjeldahl Nitrogen (TKN) (mg/L) :



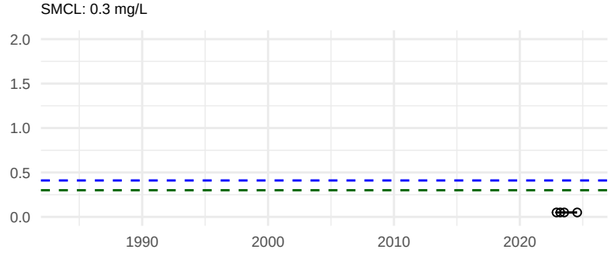
Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L



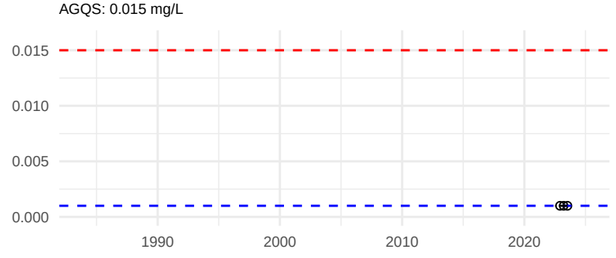
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



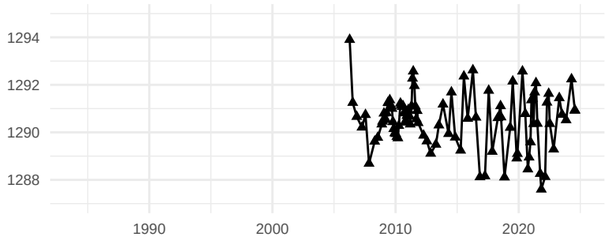
Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L



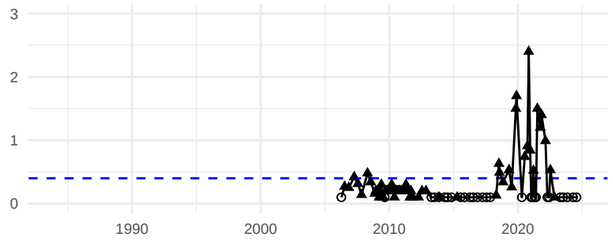
RELEASE DETECTION WELLS INSIDE THE GMZ

B−304UR

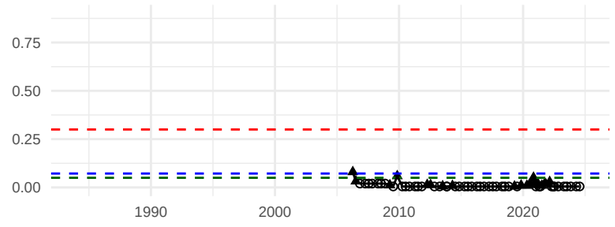
Groundwater Elevation (ft) :



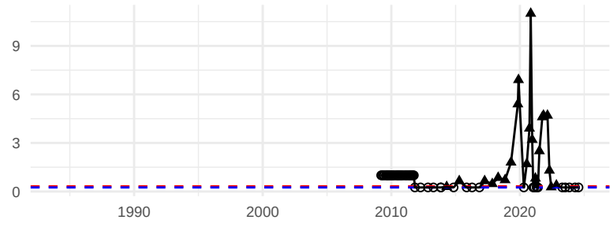
Bromide (mg/L) :



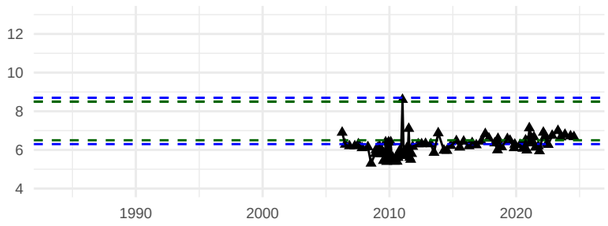
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



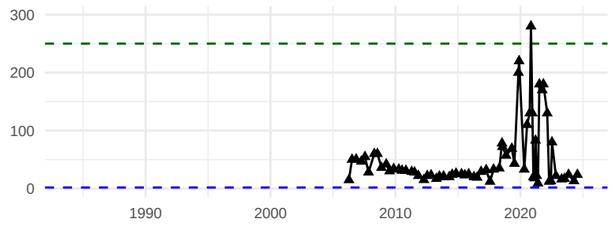
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



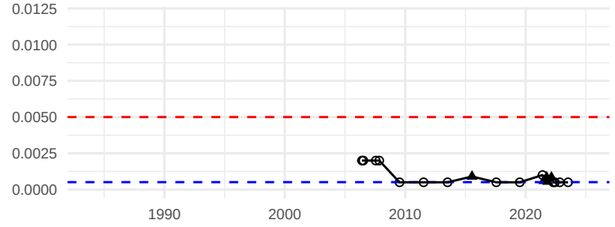
pH (SU) :
SMCL: 6.5 − 8.5 SU



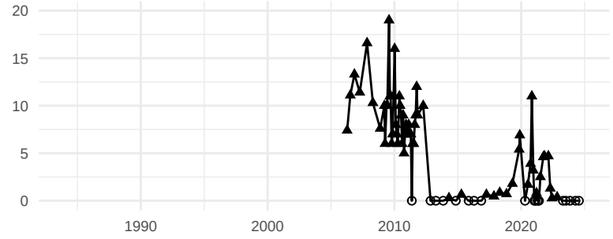
Chloride (mg/L) :
SMCL: 250 mg/L



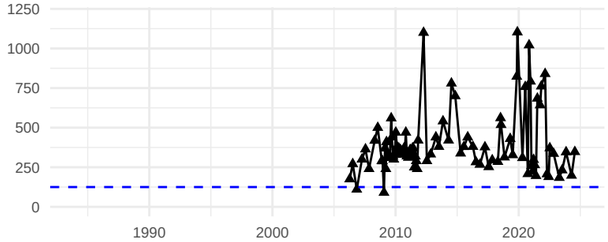
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



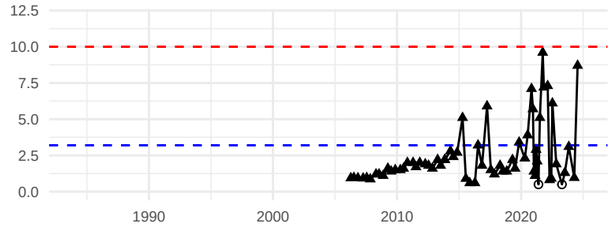
Total VOCs (ug/L) :



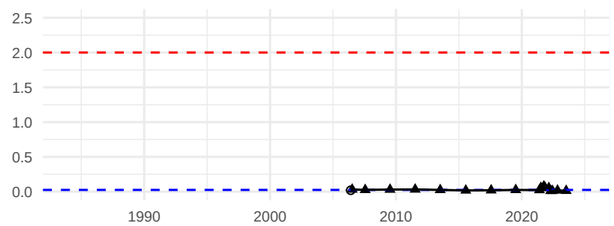
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



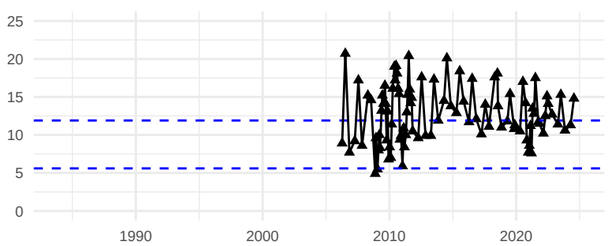
Result

- Detect
- Non−Detect

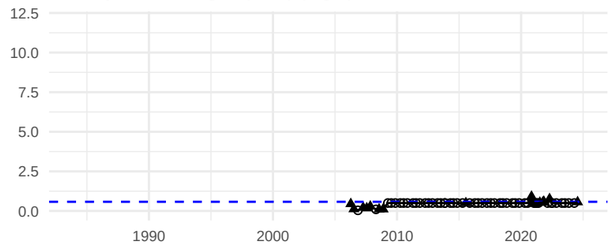
Standard

- AGQS
- SMCL
- Background

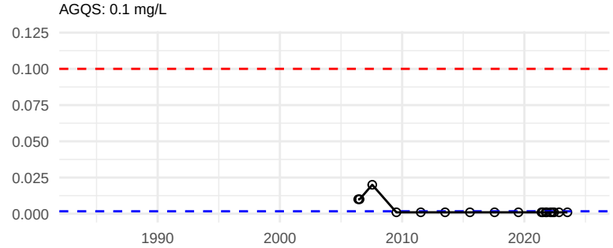
Temperature (C) :

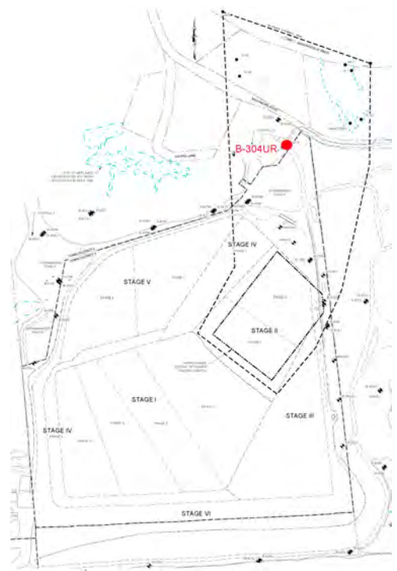


Total Kjeldahl Nitrogen (TKN) (mg/L) :

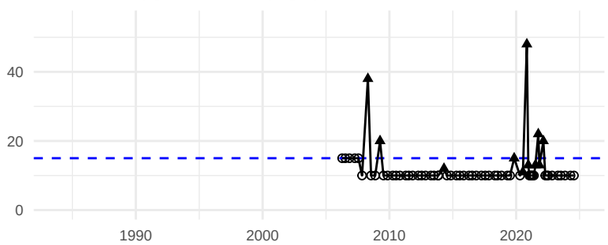


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

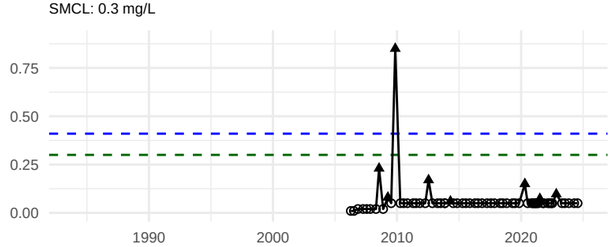




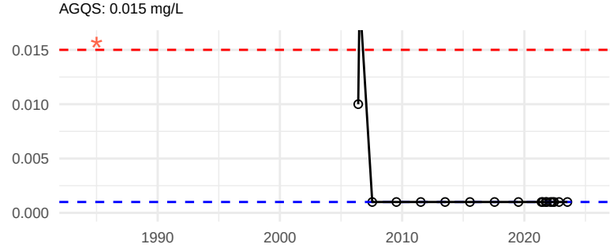
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L

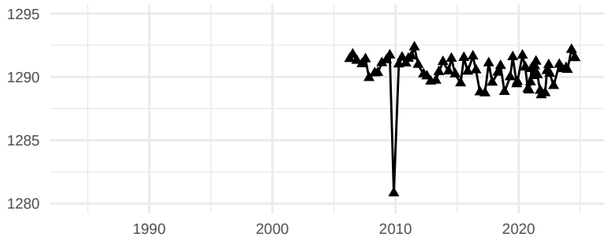


* indicates one or more data points plot outside concentration range shown

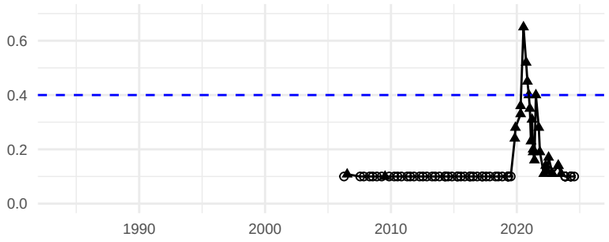
Sanborn, Head & Associates, Inc.

B−304DR

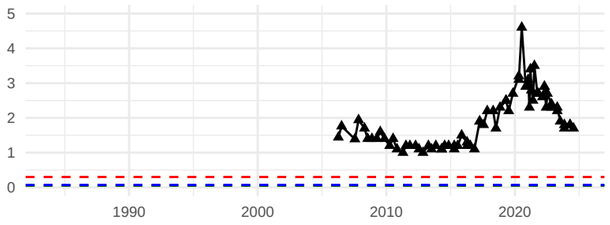
Groundwater Elevation (ft) :



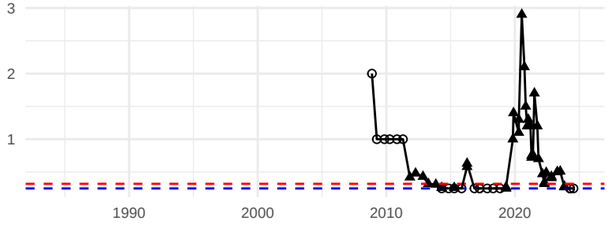
Bromide (mg/L) :



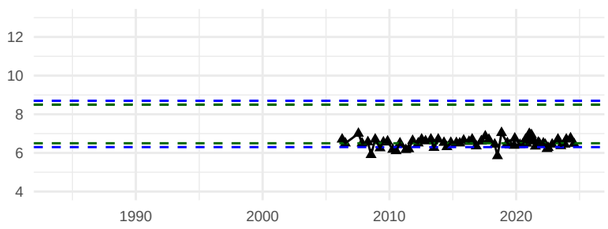
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



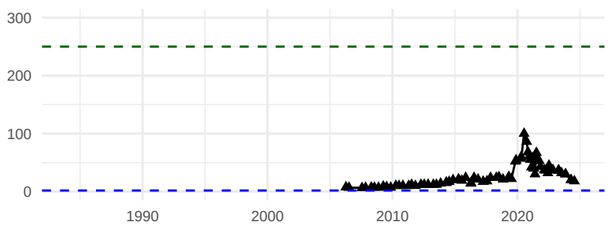
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



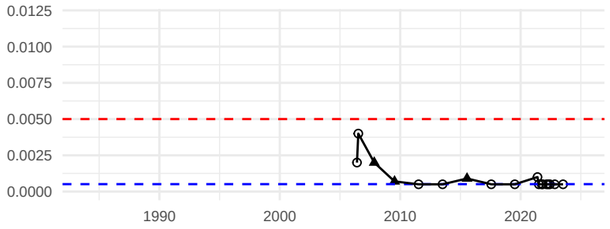
pH (SU) :
SMCL: 6.5 − 8.5 SU



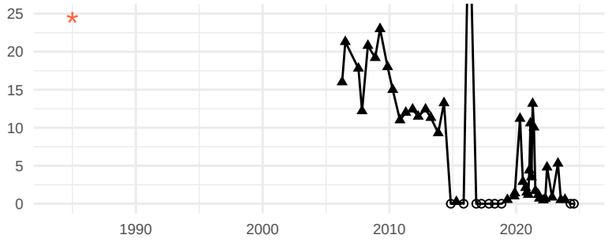
Chloride (mg/L) :
SMCL: 250 mg/L



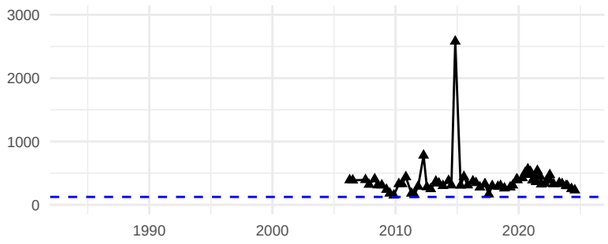
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



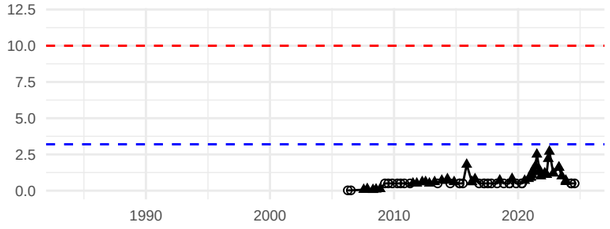
Total VOCs (ug/L) :



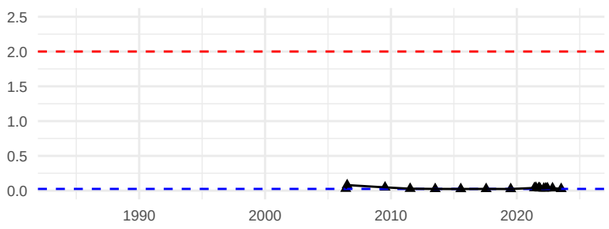
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



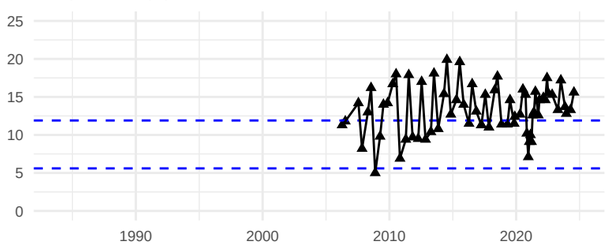
Result

- Detect
- Non−Detect

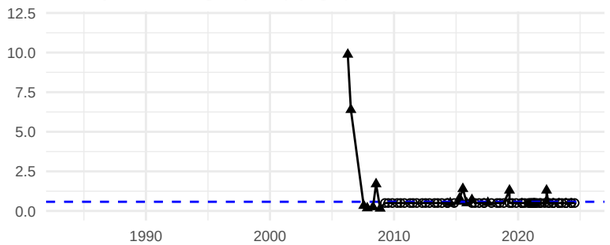
Standard

- AGQS
- SMCL
- Background

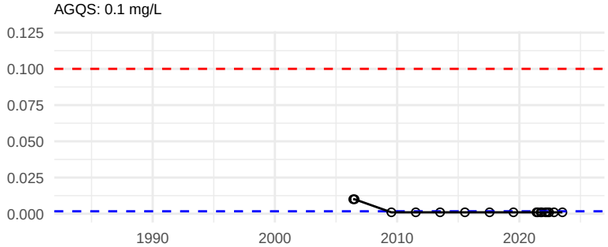
Temperature (C) :

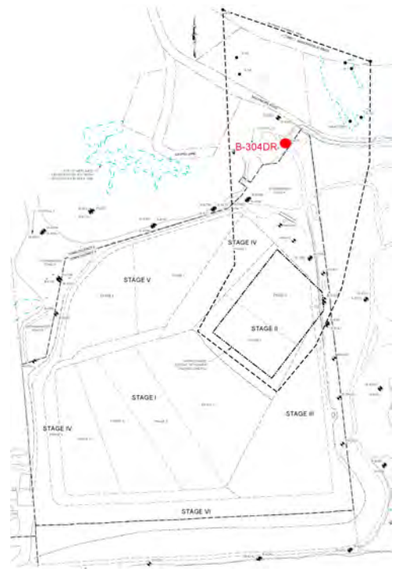


Total Kjeldahl Nitrogen (TKN) (mg/L) :

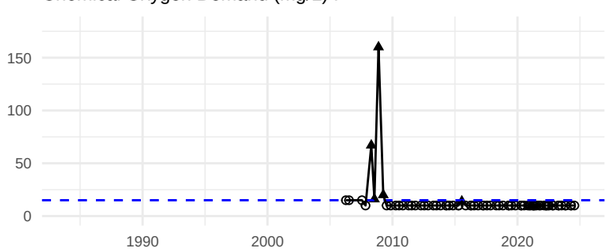


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

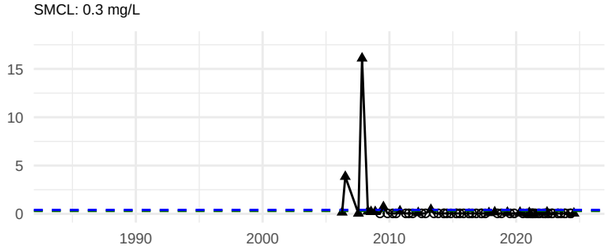




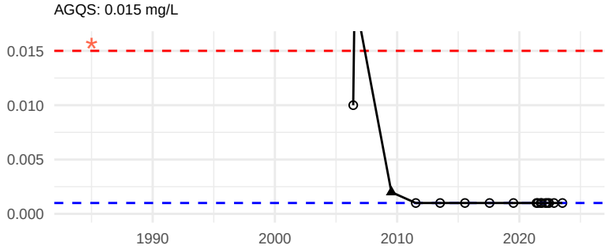
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L



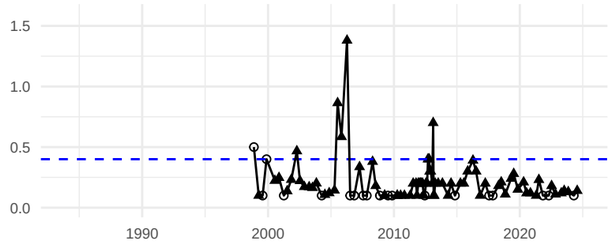
* indicates one or more data points plot outside concentration range shown

Sanborn, Head & Associates, Inc.

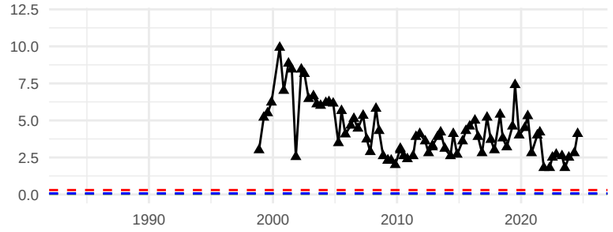
MW−802

Groundwater Elevation (ft) :

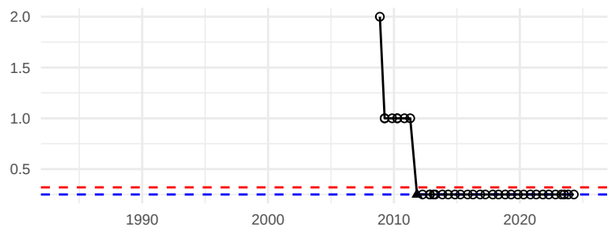
Bromide (mg/L) :



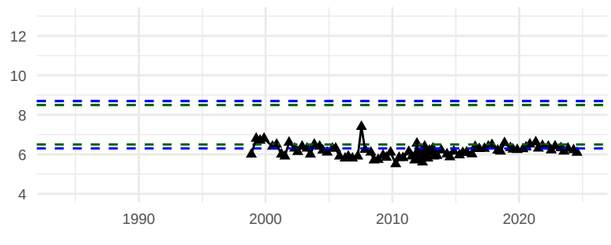
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



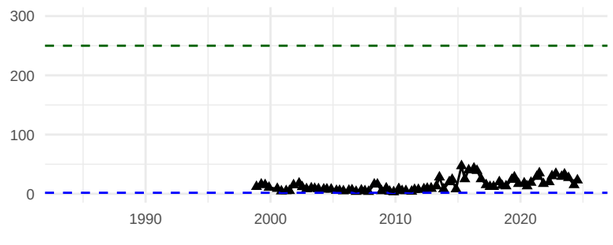
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



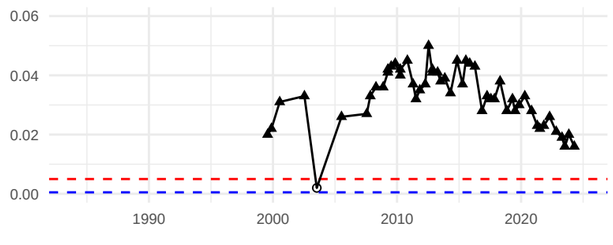
pH (SU) :
SMCL: 6.5 − 8.5 SU



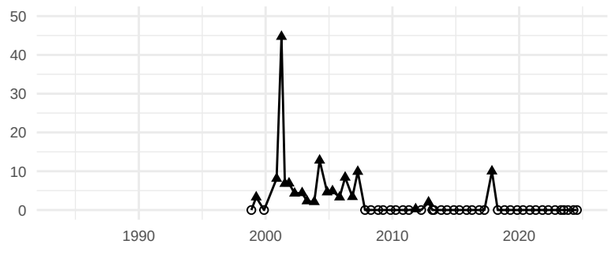
Chloride (mg/L) :
SMCL: 250 mg/L



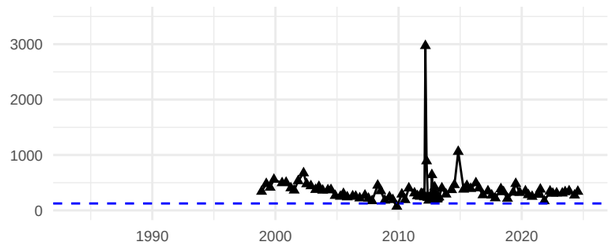
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



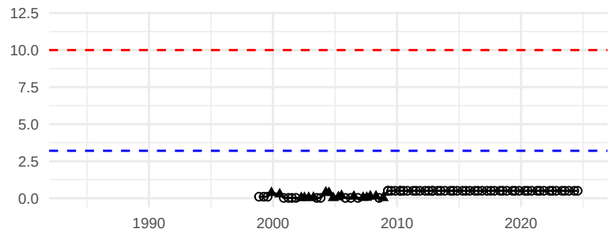
Total VOCs (ug/L) :



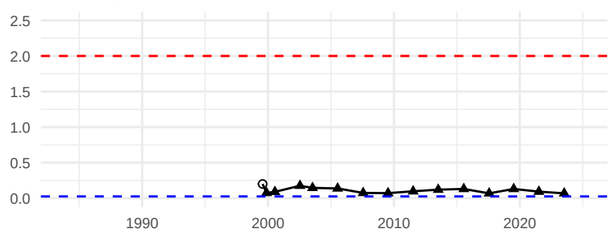
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



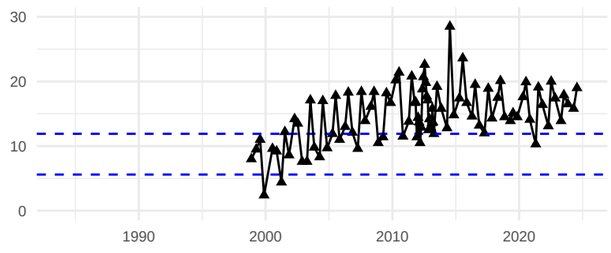
Result

- Detect
- Non−Detect

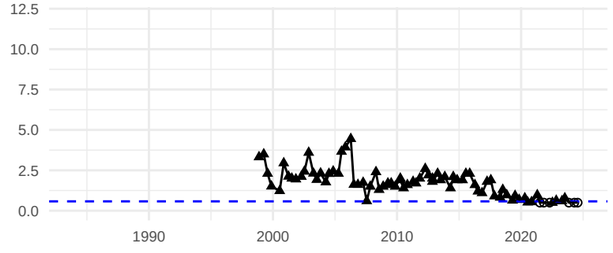
Standard

- AGQS
- SMCL
- Background

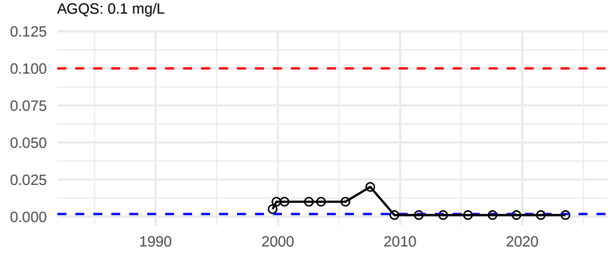
Temperature (C) :

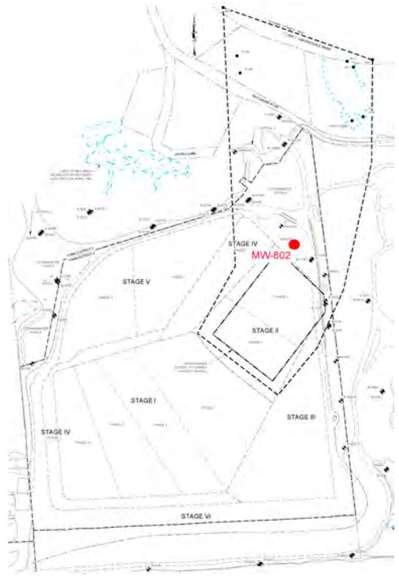


Total Kjeldahl Nitrogen (TKN) (mg/L) :

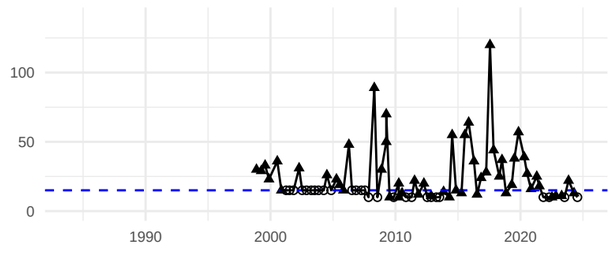


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

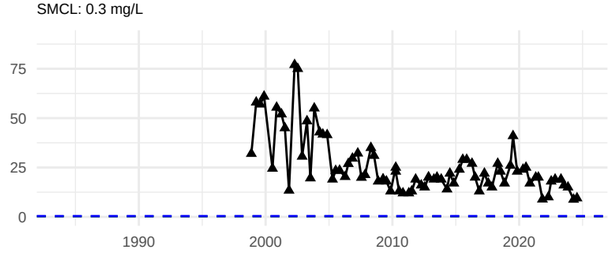




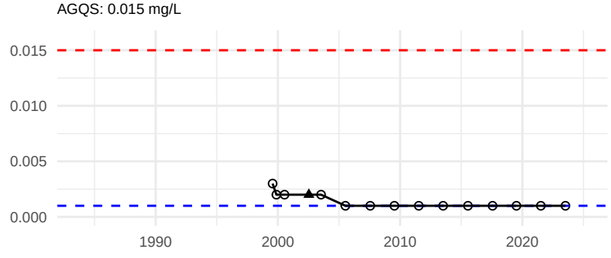
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L



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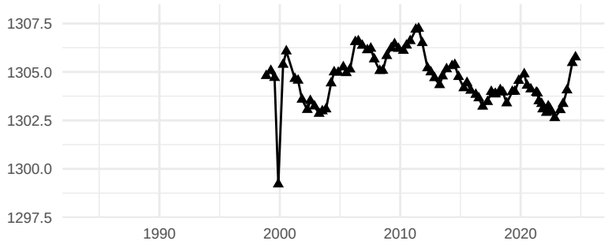
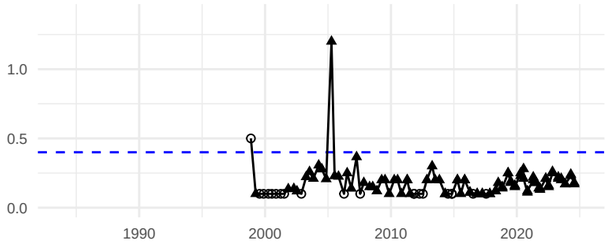
MW−803

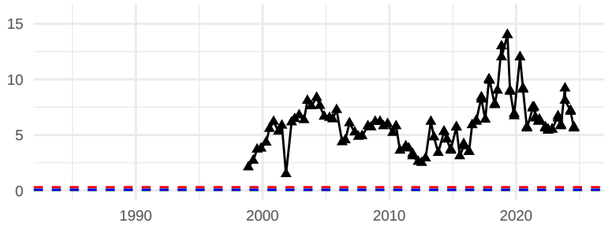
Groundwater Elevation (ft) :



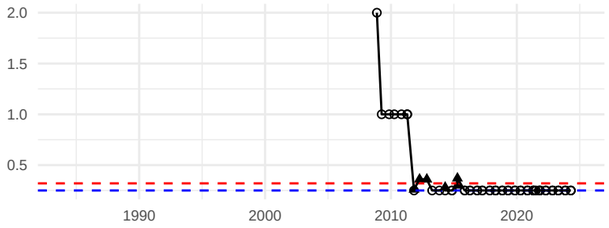
Bromide (mg/L) :



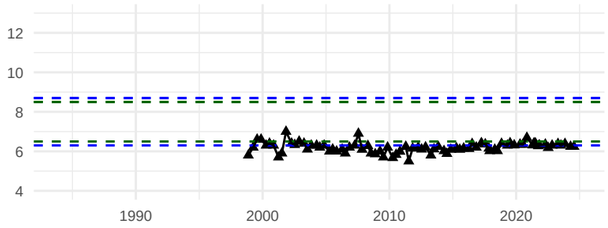
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



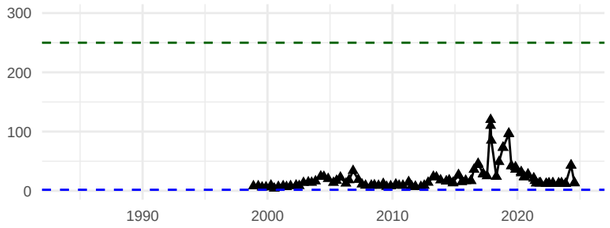
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



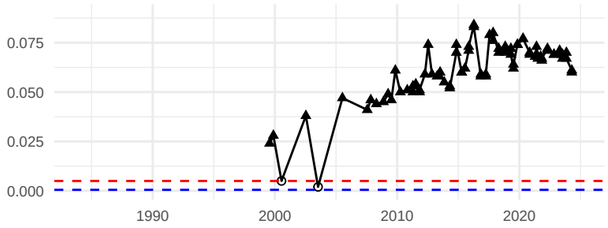
pH (SU) :
SMCL: 6.5 − 8.5 SU



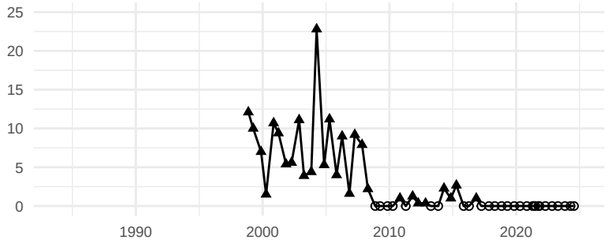
Chloride (mg/L) :
SMCL: 250 mg/L



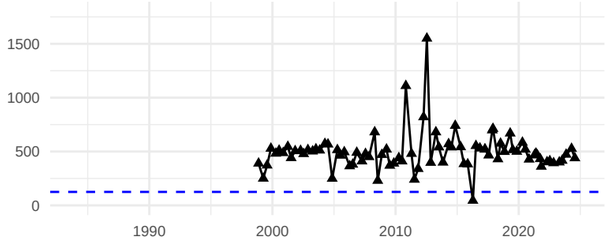
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



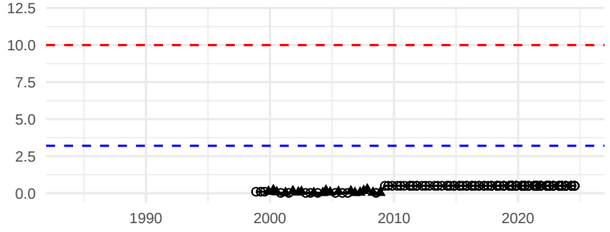
Total VOCs (ug/L) :



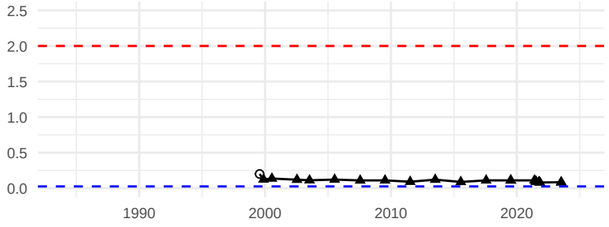
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



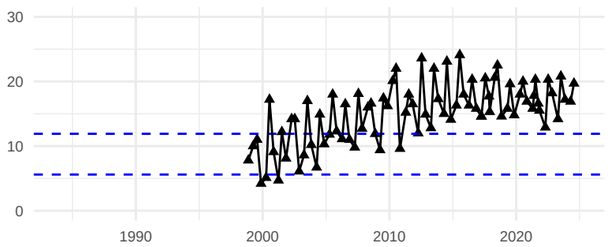
Result

- Detect
- Non−Detect

Standard

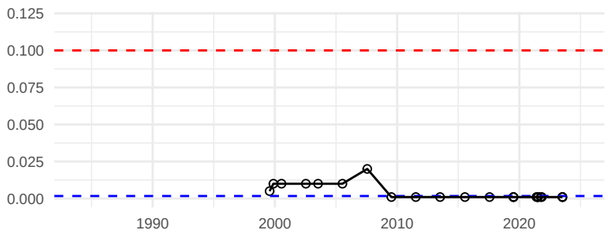
- AGQS
- SMCL
- Background

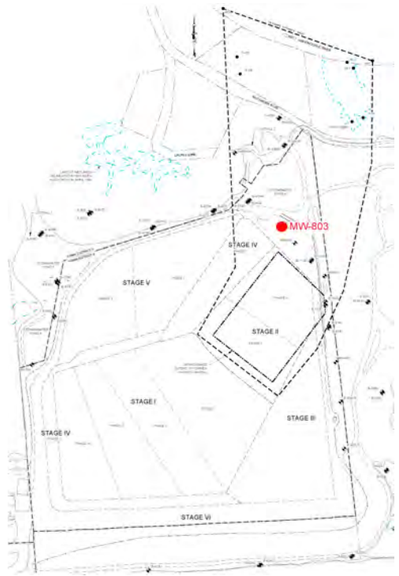
Temperature (C) :



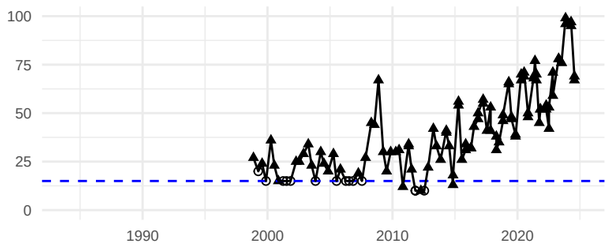
Total Kjeldahl Nitrogen (TKN) (mg/L) :

Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

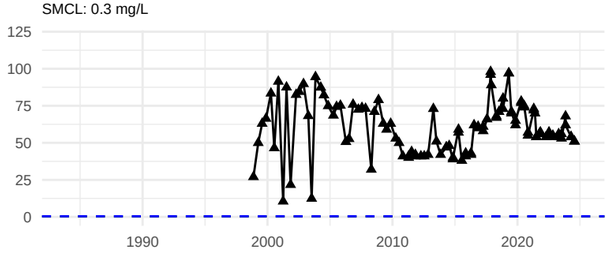




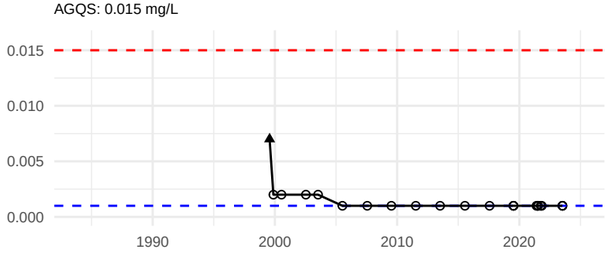
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L

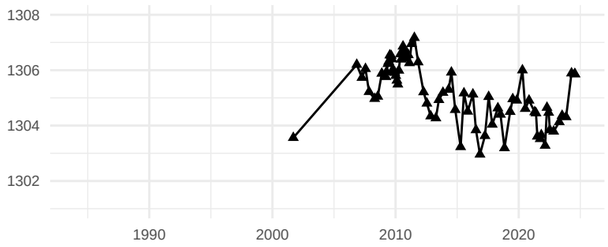


Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L

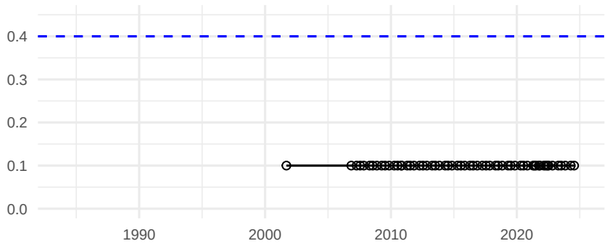


B−919U

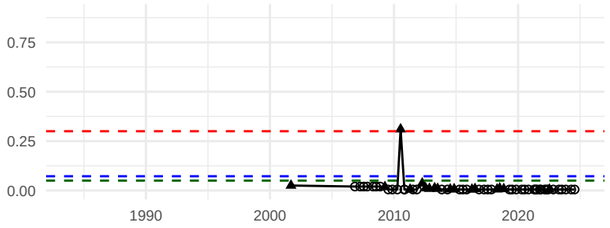
Groundwater Elevation (ft) :



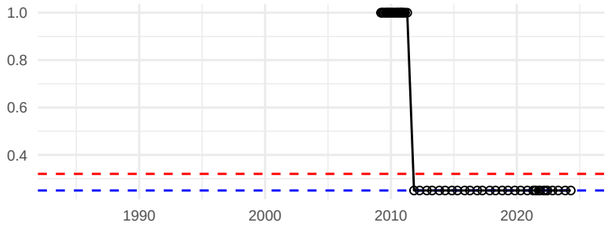
Bromide (mg/L) :



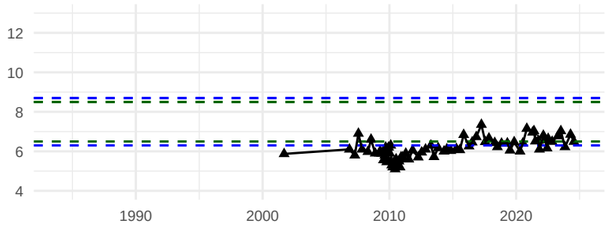
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



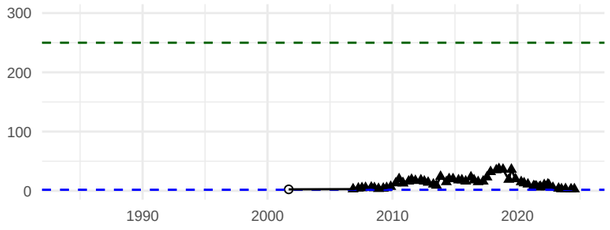
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



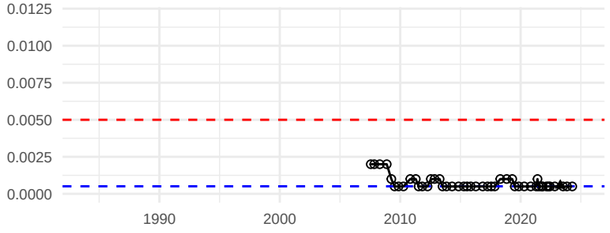
pH (SU) :
SMCL: 6.5 − 8.5 SU



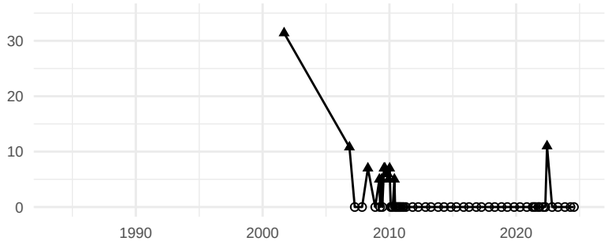
Chloride (mg/L) :
SMCL: 250 mg/L



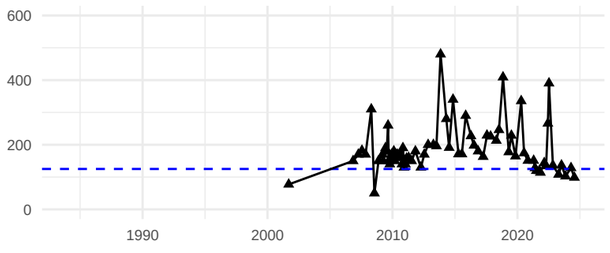
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



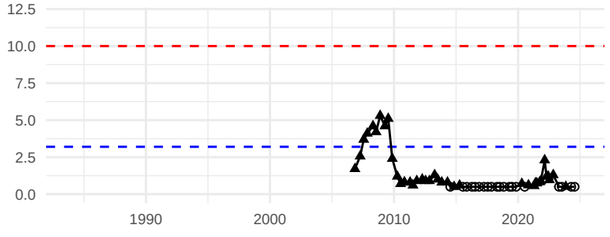
Total VOCs (ug/L) :



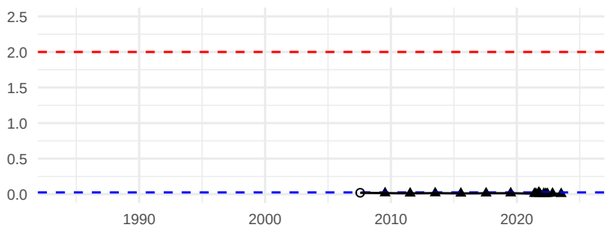
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



Result

Detect

Non−Detect

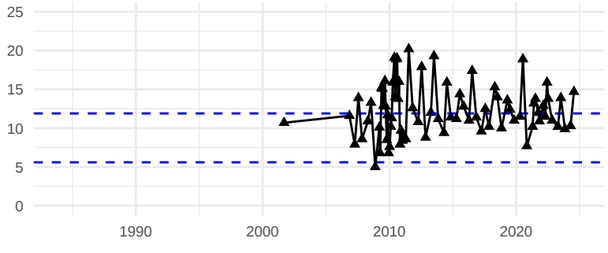
Standard

AGQS

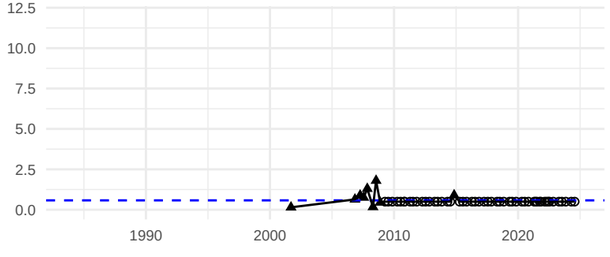
SMCL

Background

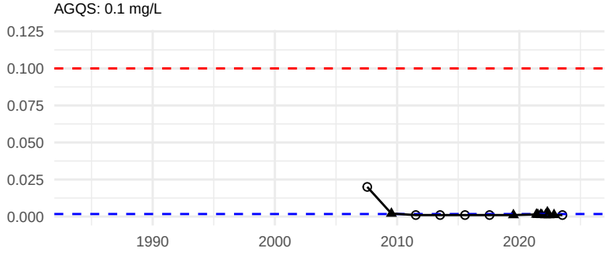
Temperature (C) :

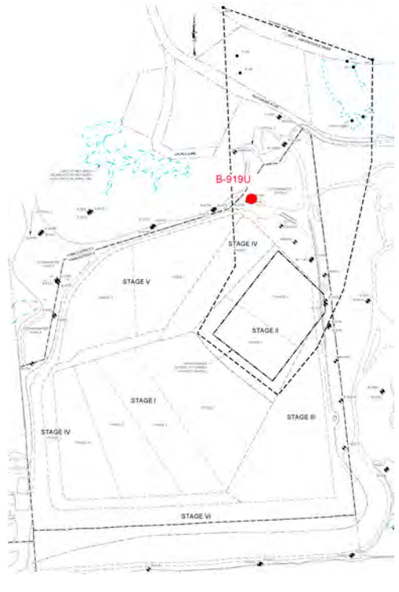


Total Kjeldahl Nitrogen (TKN) (mg/L) :

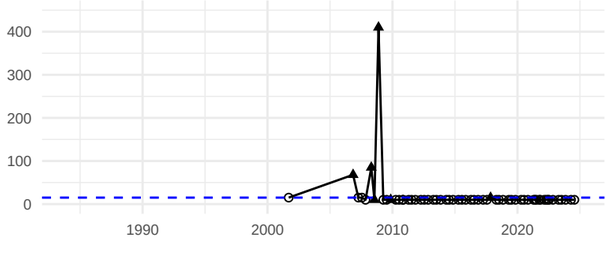


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

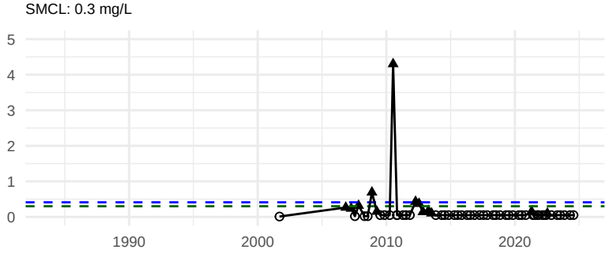




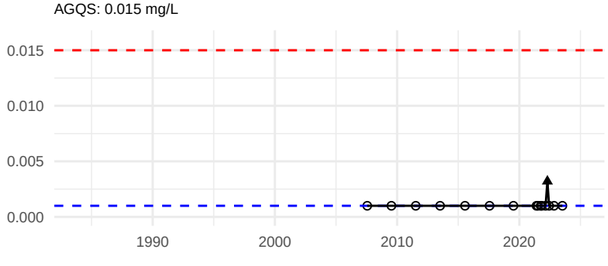
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L



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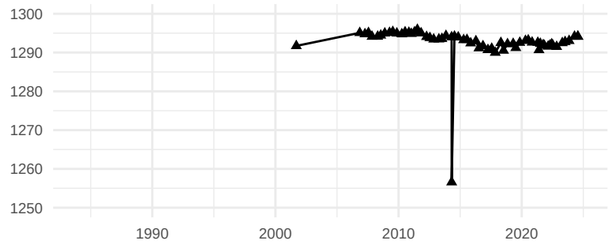
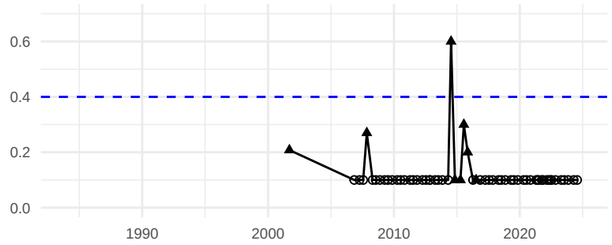
B−919M

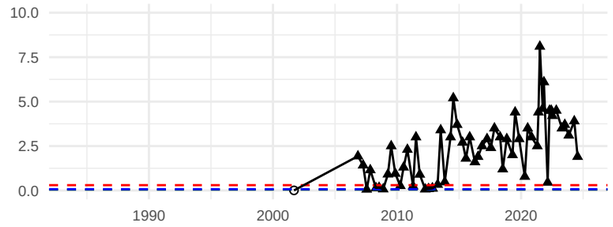
Groundwater Elevation (ft) :



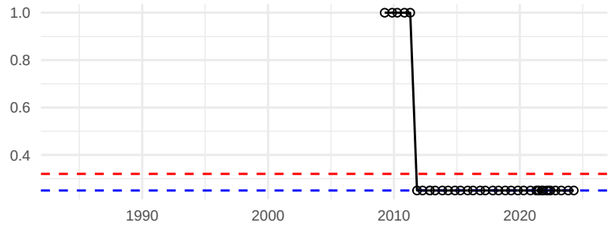
Bromide (mg/L) :



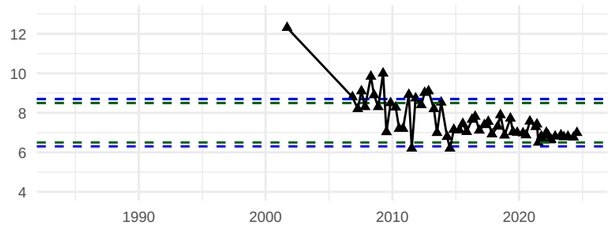
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



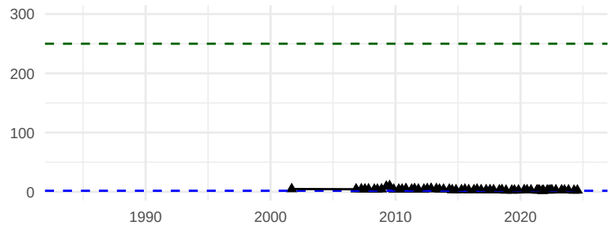
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



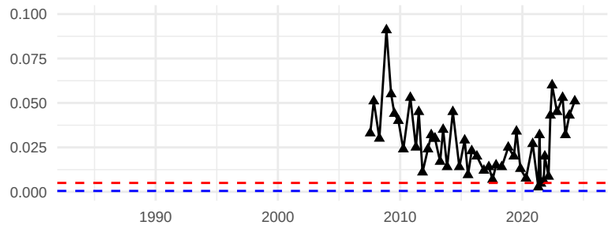
pH (SU) :
SMCL: 6.5 − 8.5 SU



Chloride (mg/L) :
SMCL: 250 mg/L

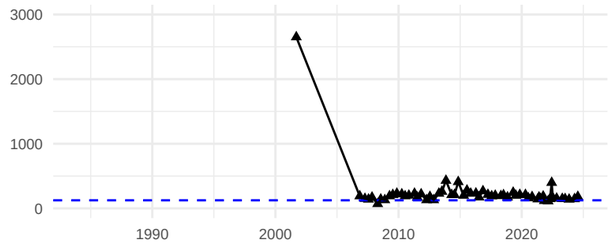


Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L

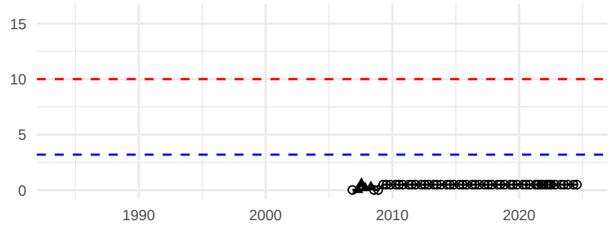


Total VOCs (ug/L) :

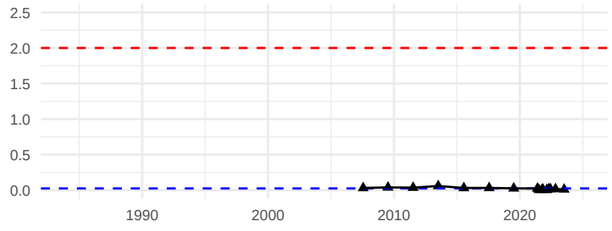
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



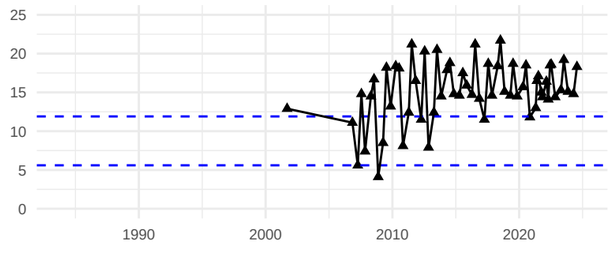
Result

- Detect
- Non−Detect

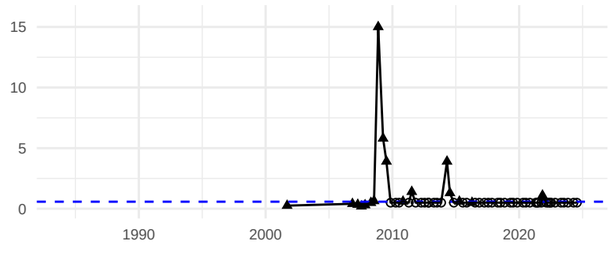
Standard

- AGQS
- SMCL
- Background

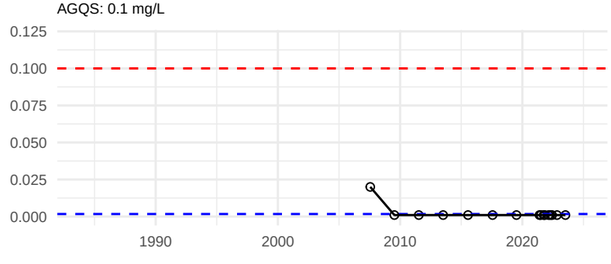
Temperature (C) :



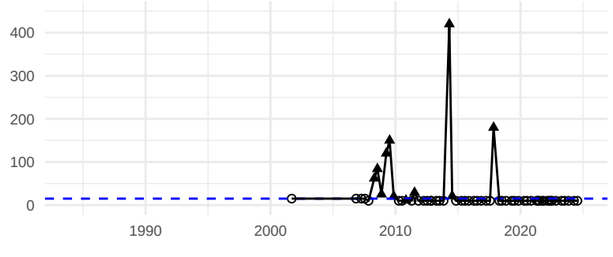
Total Kjeldahl Nitrogen (TKN) (mg/L) :



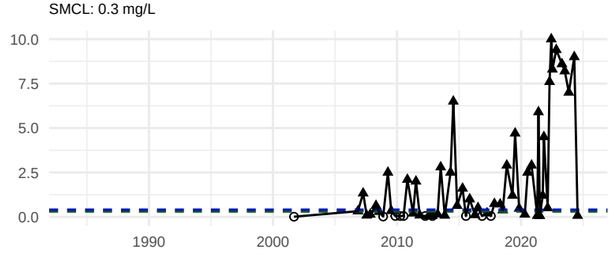
Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L



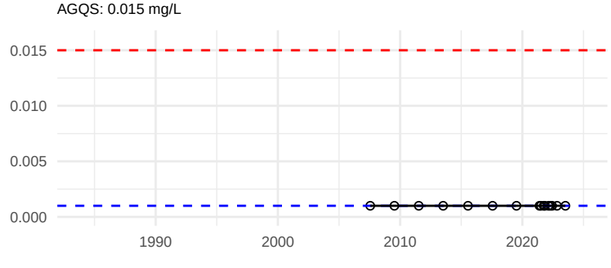
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L



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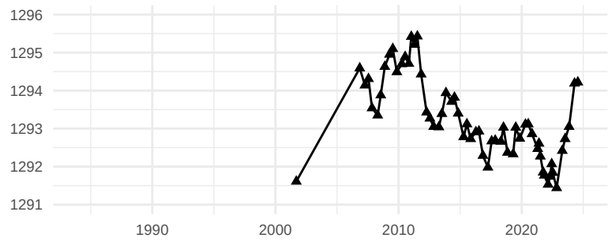
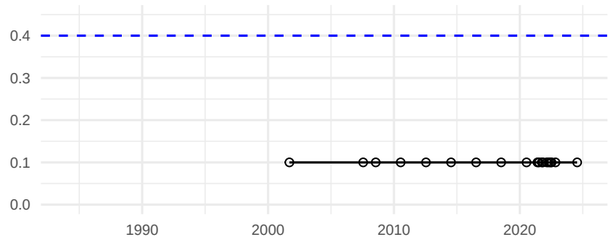
B−919D

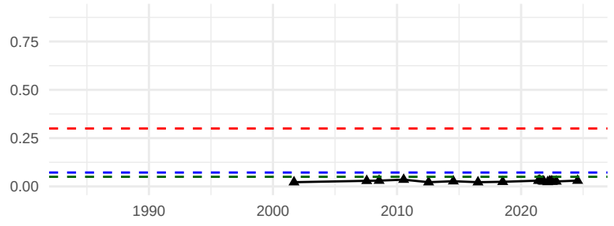
Groundwater Elevation (ft) :



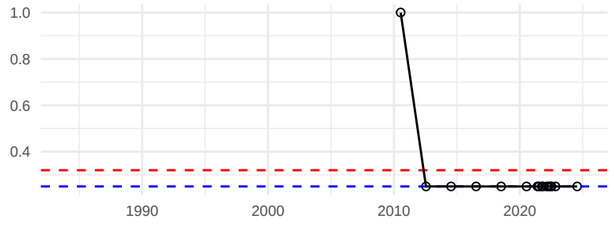
Bromide (mg/L) :



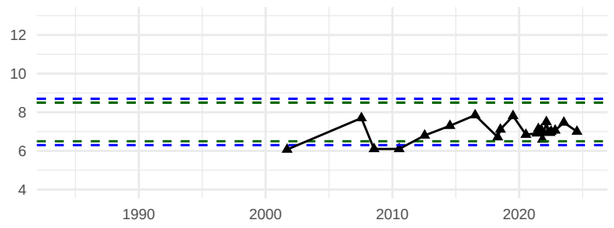
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



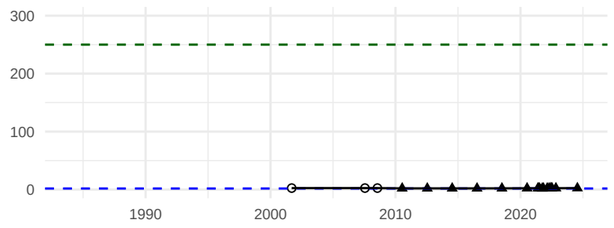
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



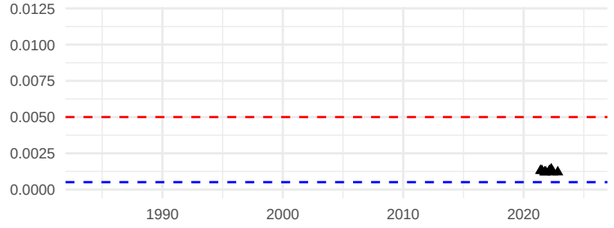
pH (SU) :
SMCL: 6.5 − 8.5 SU



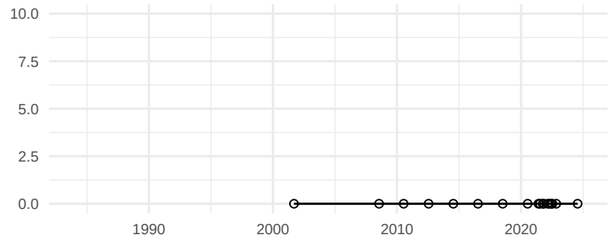
Chloride (mg/L) :
SMCL: 250 mg/L



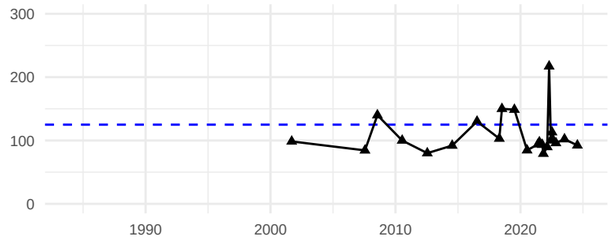
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



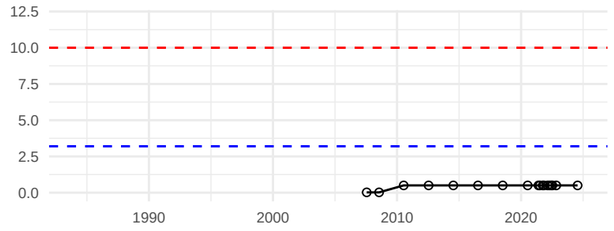
Total VOCs (ug/L) :



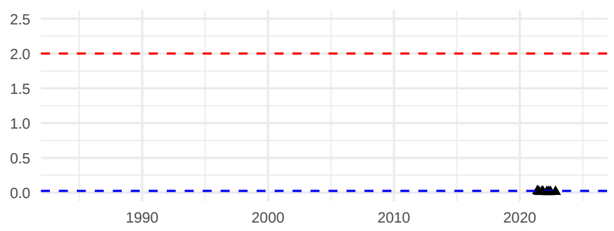
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



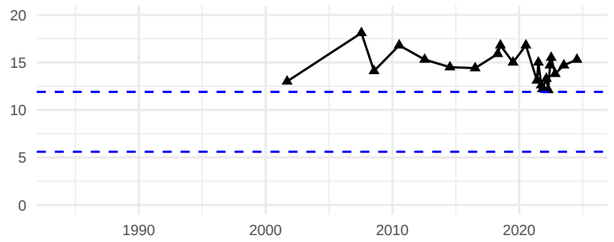
Result

- Detect
- Non−Detect

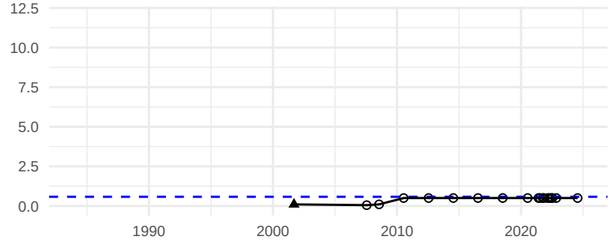
Standard

- AGQS
- SMCL
- Background

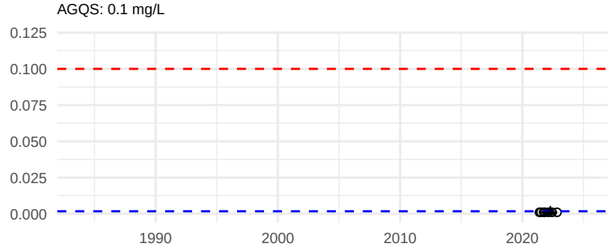
Temperature (C) :

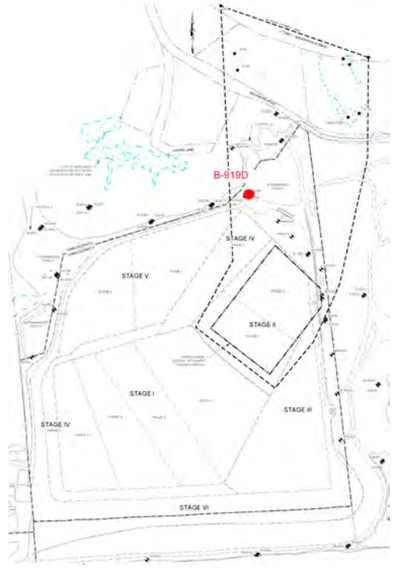


Total Kjeldahl Nitrogen (TKN) (mg/L) :

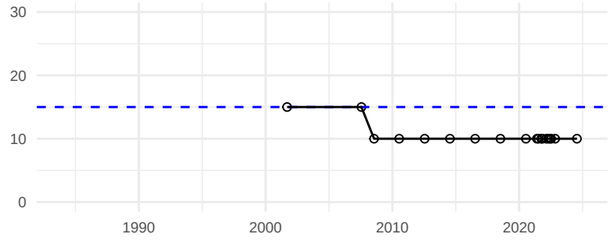


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

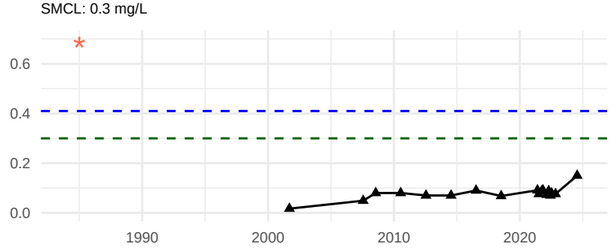




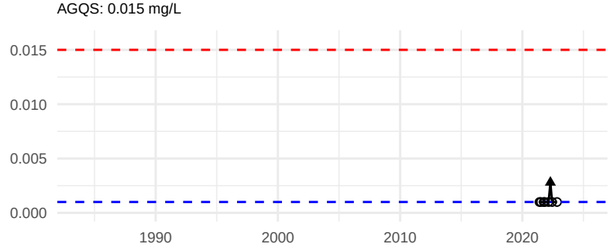
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L



* indicates one or more data points plot outside concentration range shown

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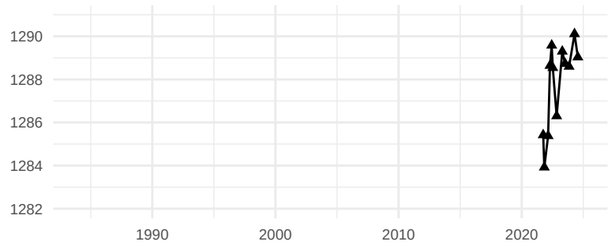
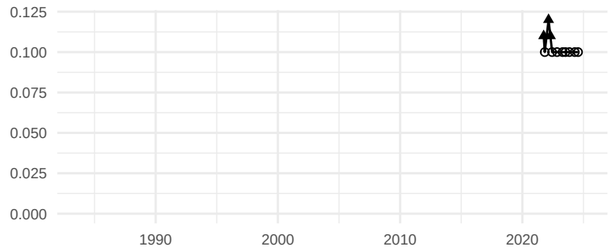
B−928U

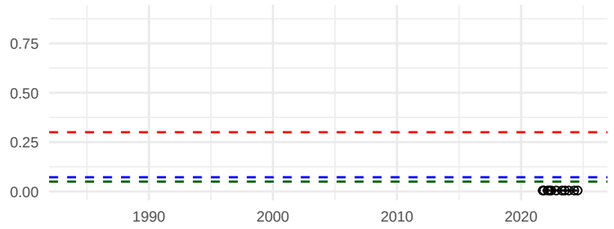
Groundwater Elevation (ft) :



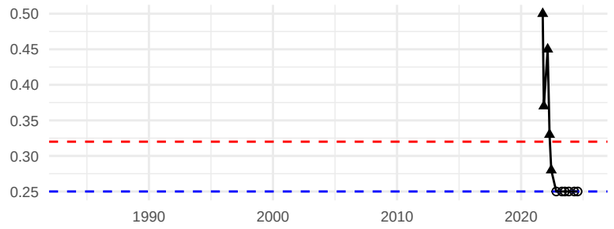
Bromide (mg/L) :



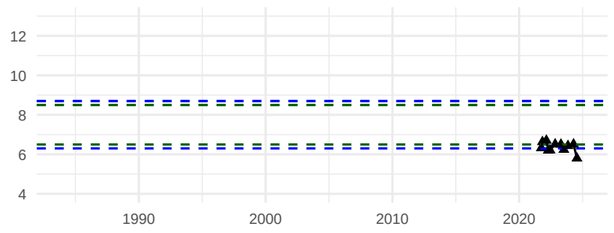
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



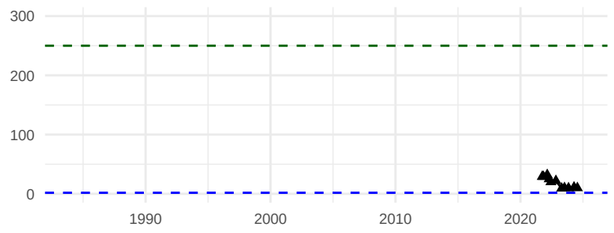
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



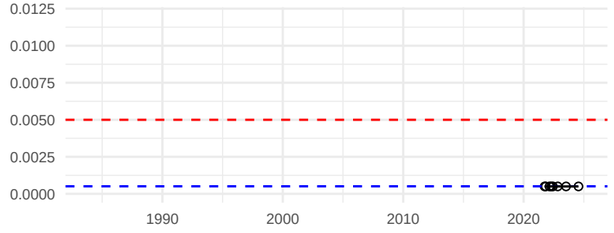
pH (SU) :
SMCL: 6.5 − 8.5 SU



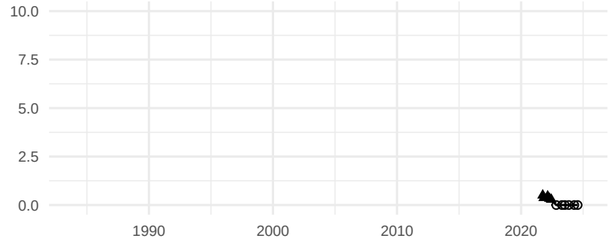
Chloride (mg/L) :
SMCL: 250 mg/L



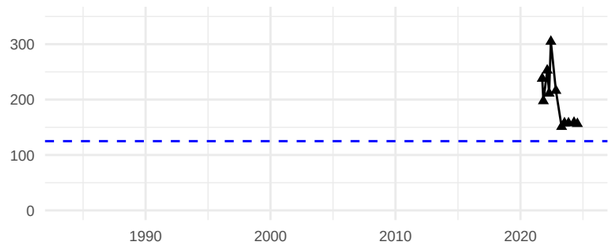
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



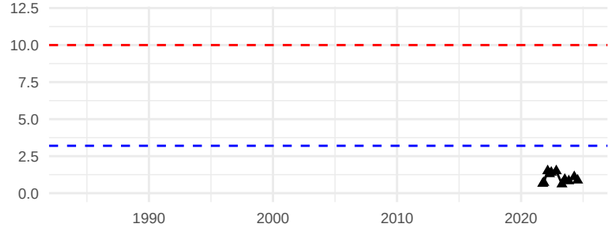
Total VOCs (ug/L) :



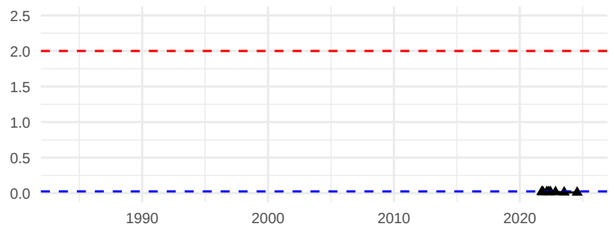
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



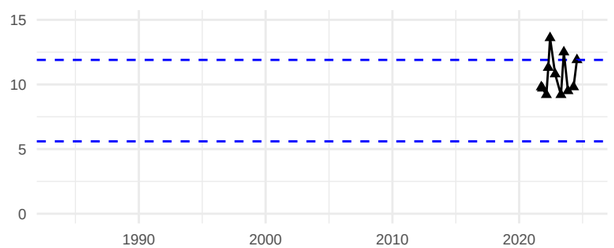
Result

- Detect
- Non−Detect

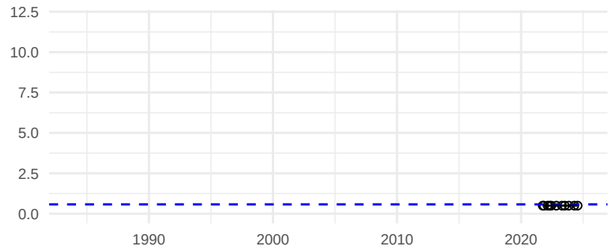
Standard

- AGQS
- SMCL
- Background

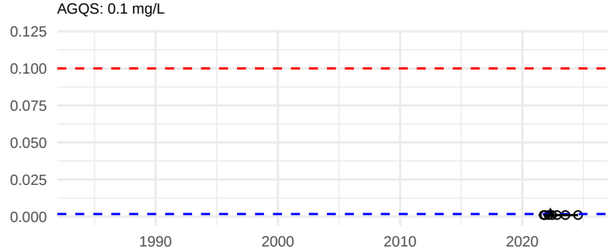
Temperature (C) :

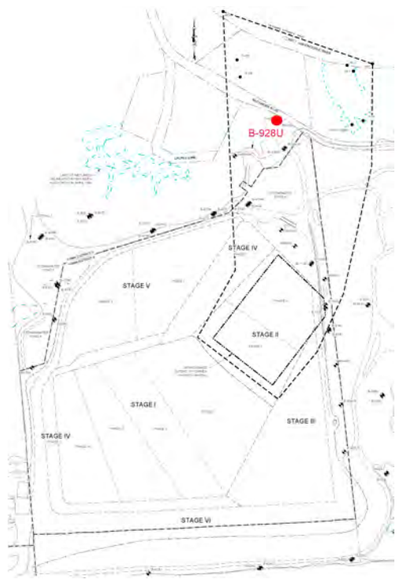


Total Kjeldahl Nitrogen (TKN) (mg/L) :

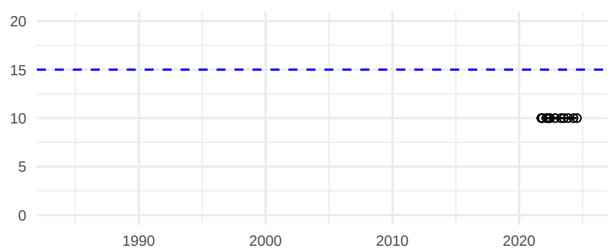


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

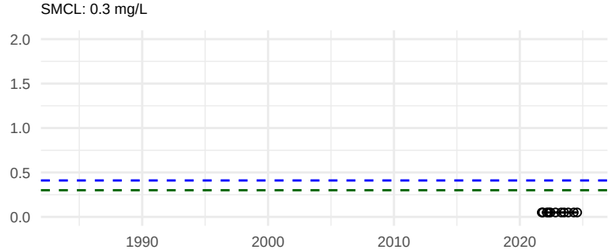




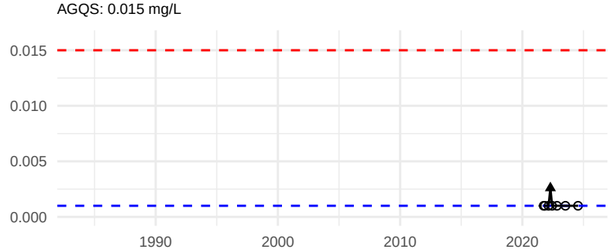
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L

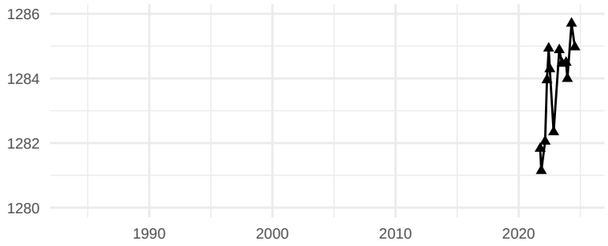


Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L

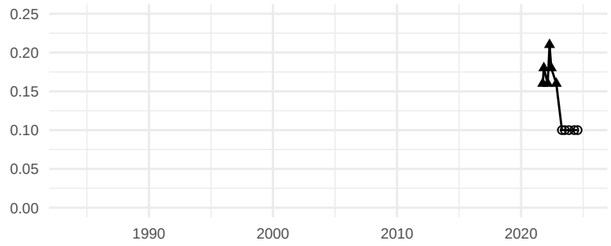


B−928D

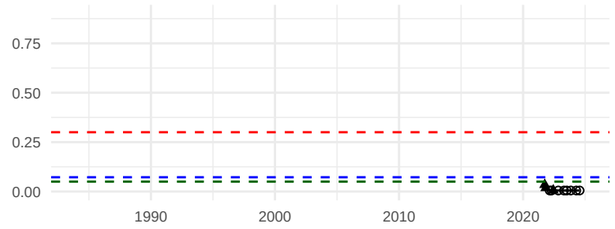
Groundwater Elevation (ft) :



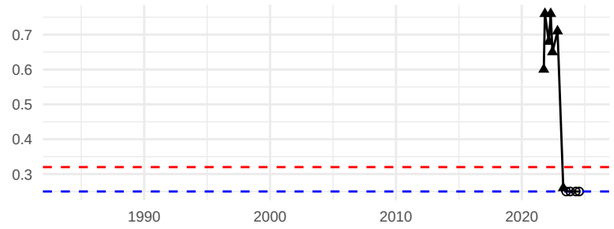
Bromide (mg/L) :



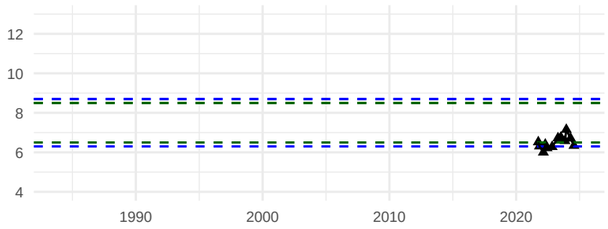
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



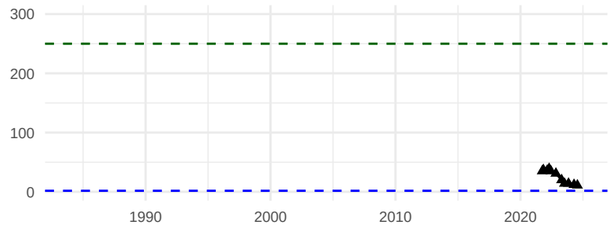
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



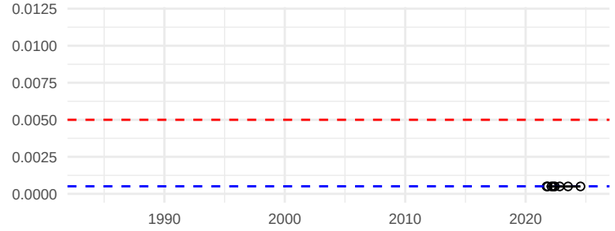
pH (SU) :
SMCL: 6.5 − 8.5 SU



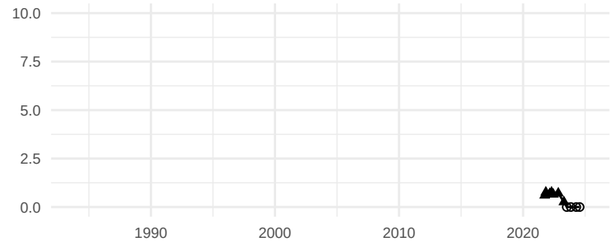
Chloride (mg/L) :
SMCL: 250 mg/L



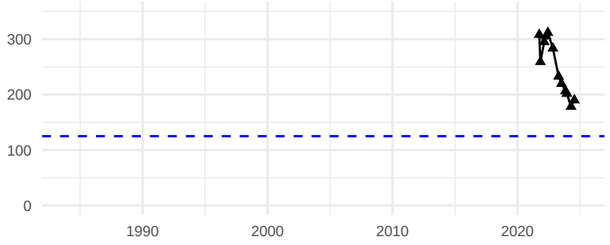
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



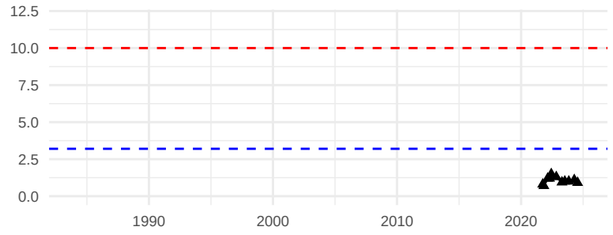
Total VOCs (ug/L) :



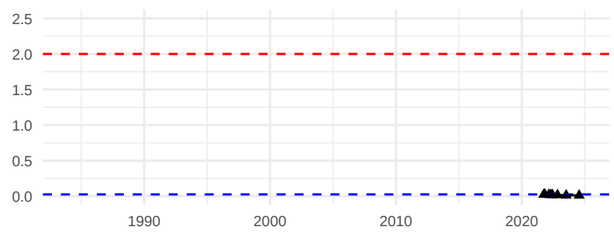
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



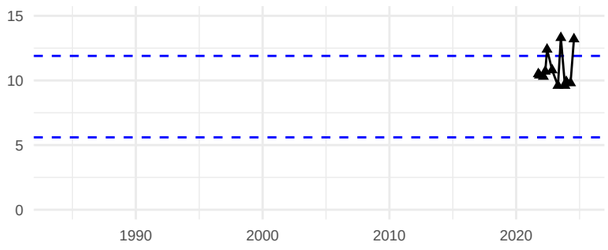
Result

- Detect
- Non−Detect

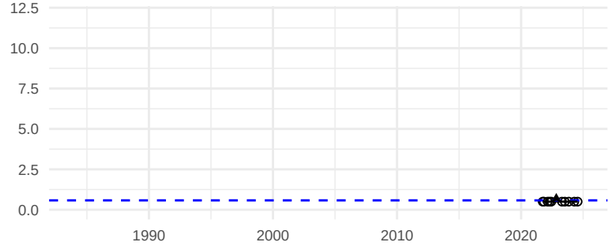
Standard

- AGQS
- SMCL
- Background

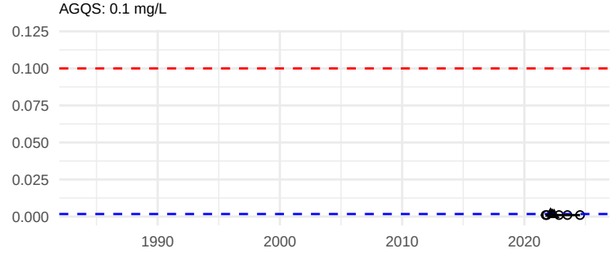
Temperature (C) :

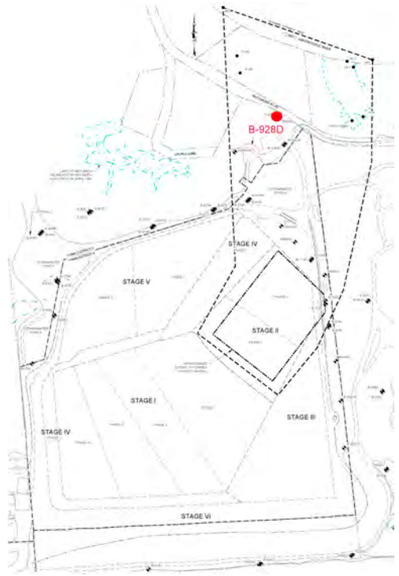


Total Kjeldahl Nitrogen (TKN) (mg/L) :

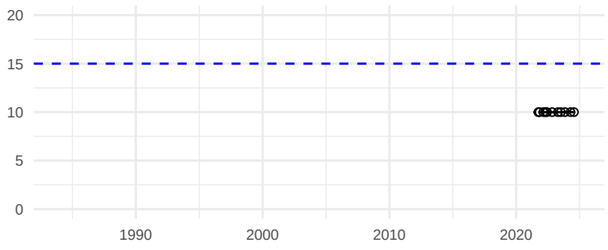


Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L

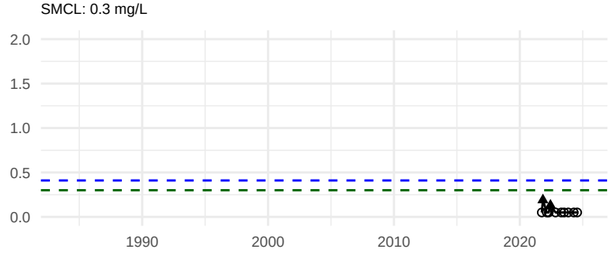




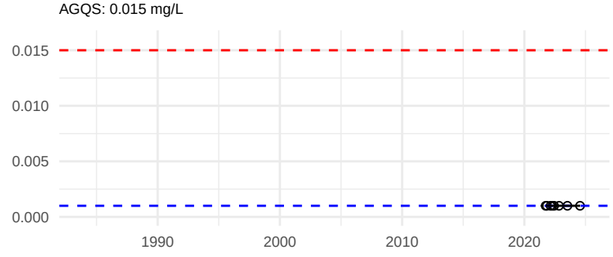
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L

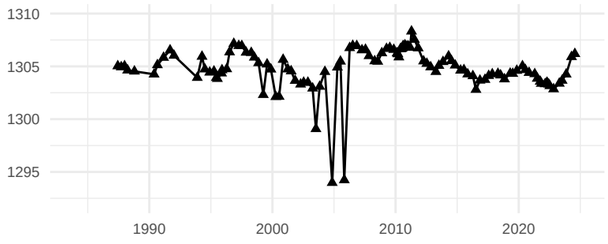


Sanborn, Head & Associates, Inc.

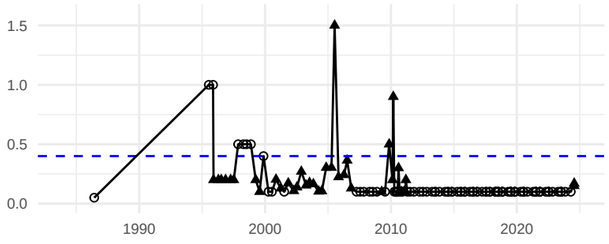
GROUNDWATER MANAGEMENT WELLS INSIDE THE GMZ

B−103S

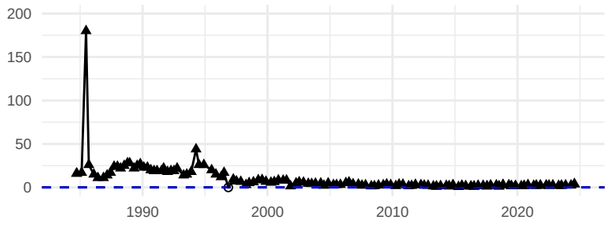
Groundwater Elevation (ft) :



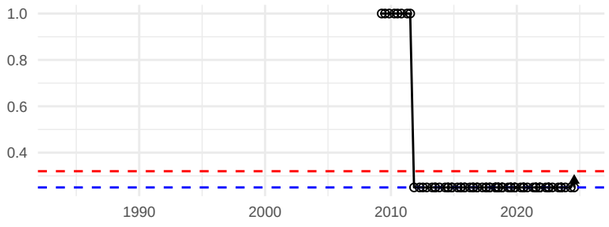
Bromide (mg/L) :



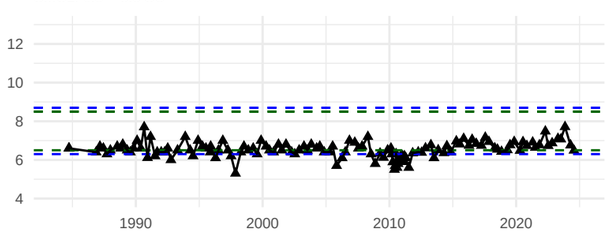
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



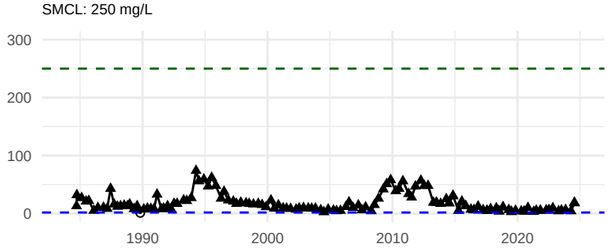
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



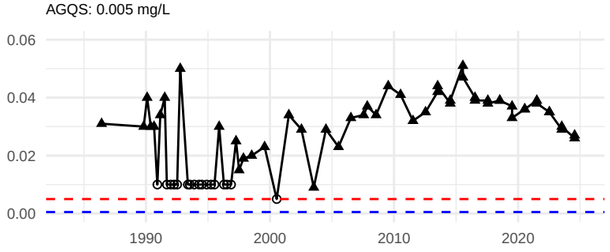
pH (SU) :
SMCL: 6.5 − 8.5 SU



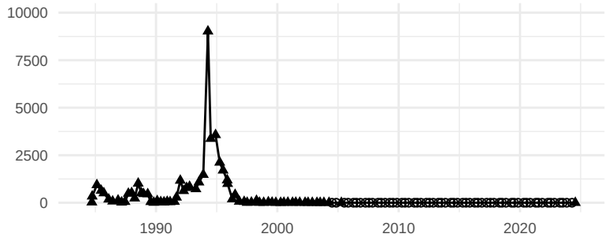
Chloride (mg/L) :
SMCL: 250 mg/L



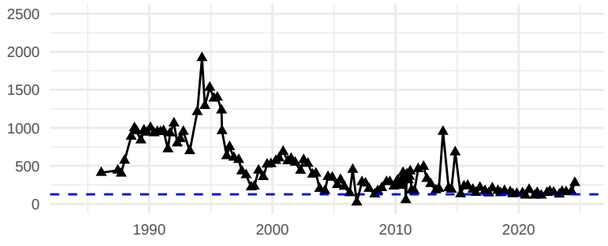
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



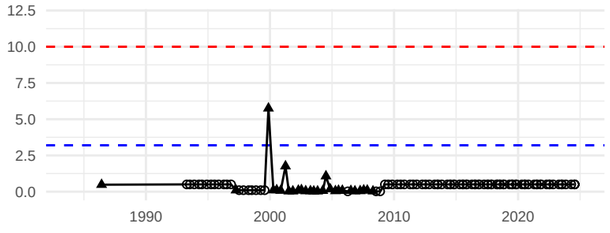
Total VOCs (ug/L) :



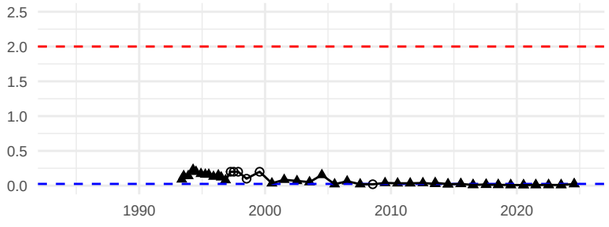
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



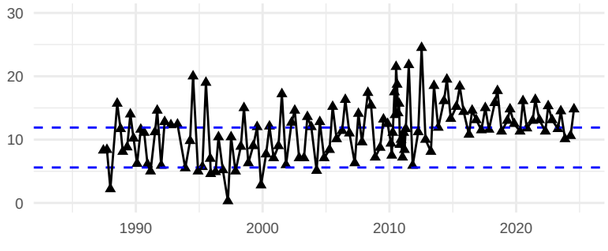
Result

- Detect
- Non−Detect

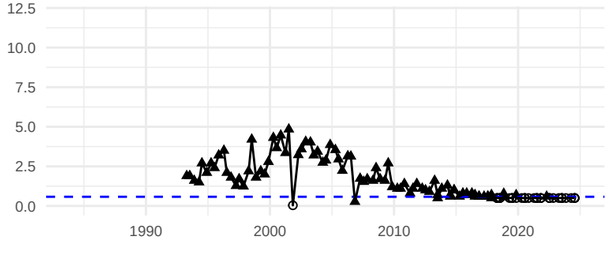
Standard

- AGQS
- SMCL
- Background

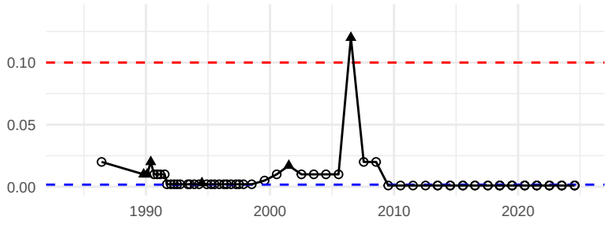
Temperature (C) :



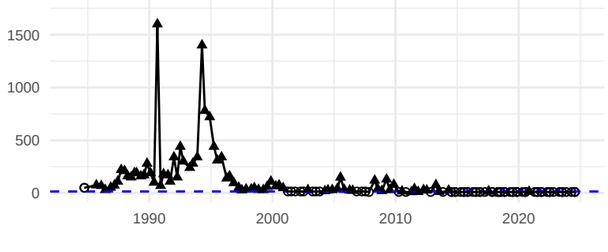
Total Kjeldahl Nitrogen (TKN) (mg/L) :



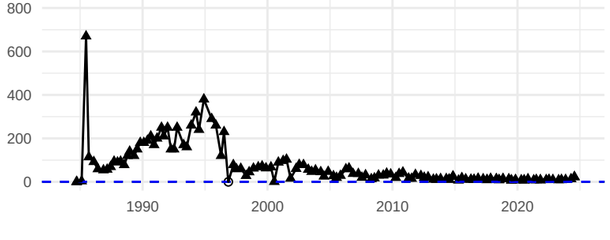
Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L



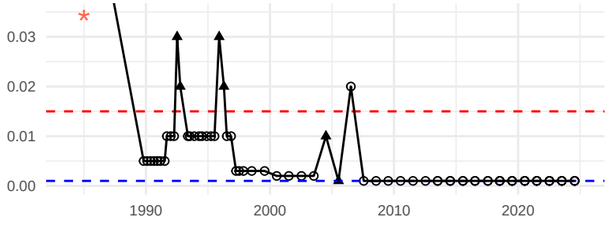
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L

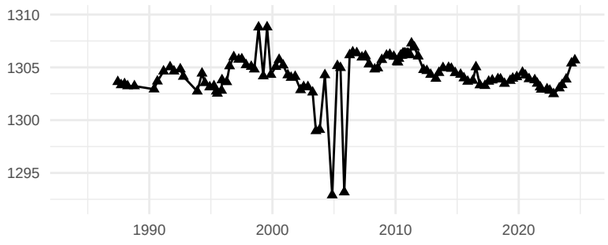


* indicates one or more data points plot outside concentration range shown

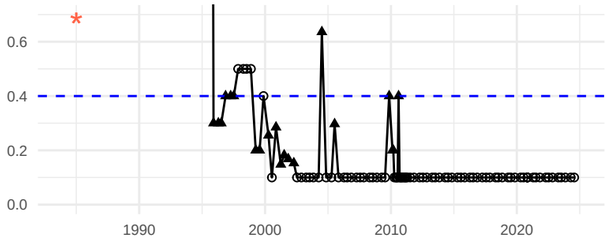
Sanborn, Head & Associates, Inc.

B−103D

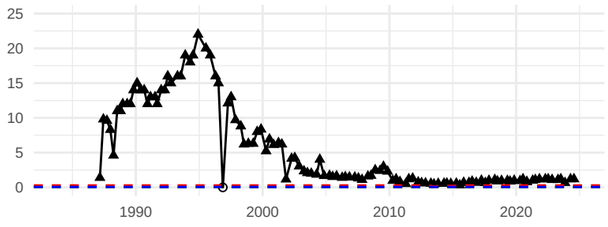
Groundwater Elevation (ft) :



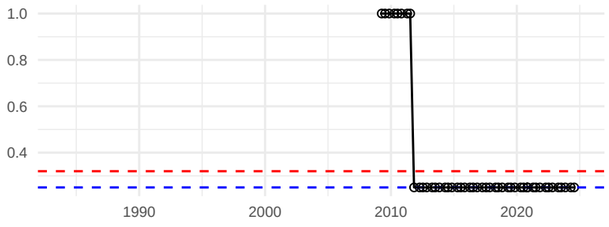
Bromide (mg/L) :



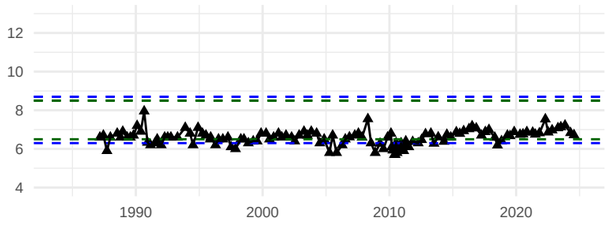
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



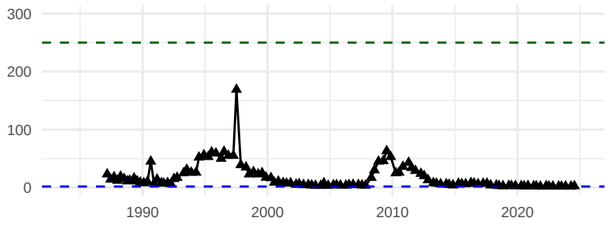
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



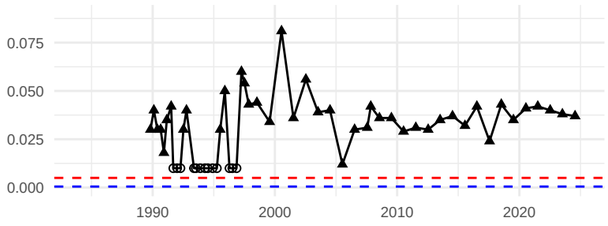
pH (SU) :
SMCL: 6.5 − 8.5 SU



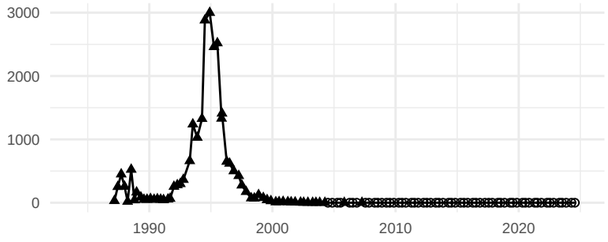
Chloride (mg/L) :
SMCL: 250 mg/L



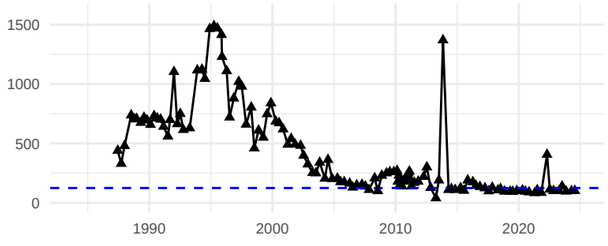
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



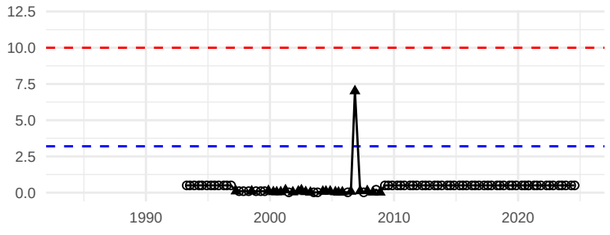
Total VOCs (ug/L) :



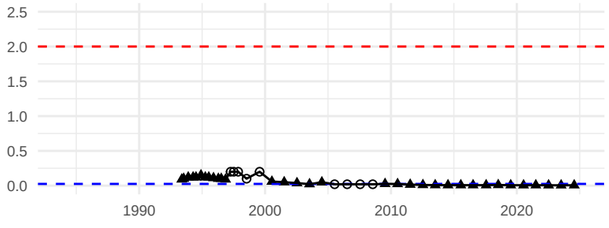
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



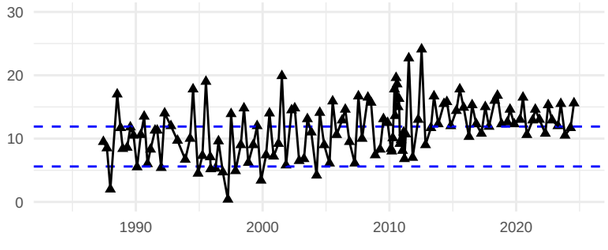
Result

- Detect
- Non−Detect

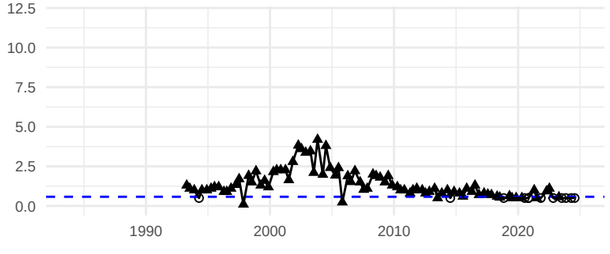
Standard

- AGQS
- SMCL
- Background

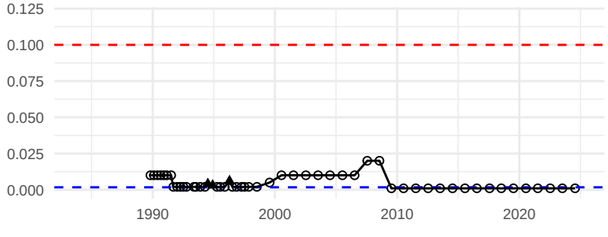
Temperature (C) :



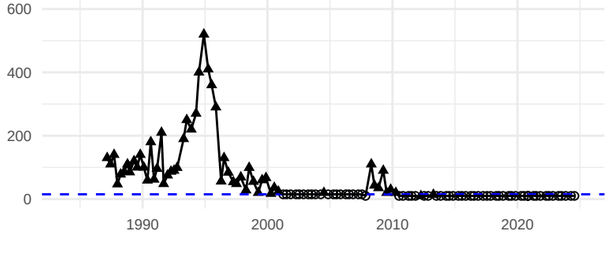
Total Kjeldahl Nitrogen (TKN) (mg/L) :



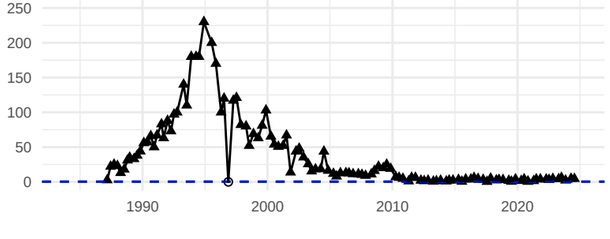
Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L



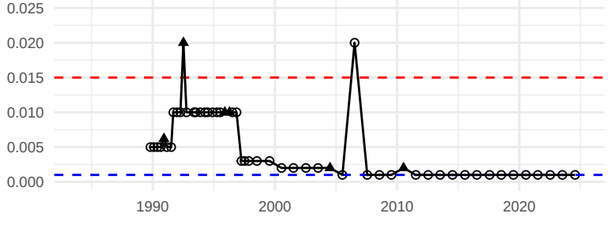
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L

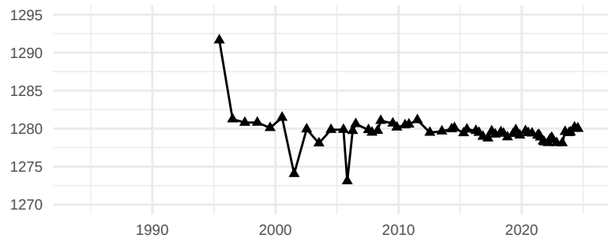


* indicates one or more data points plot outside concentration range shown

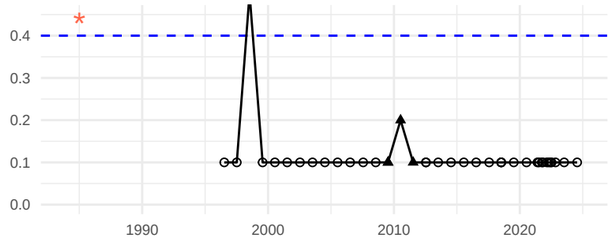
Sanborn, Head & Associates, Inc.

MW−604

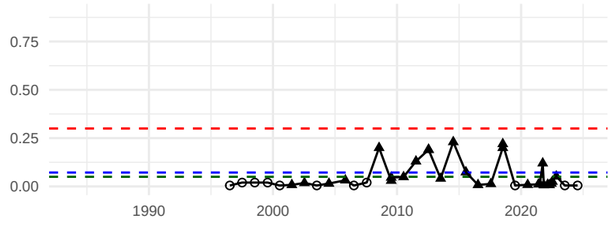
Groundwater Elevation (ft) :



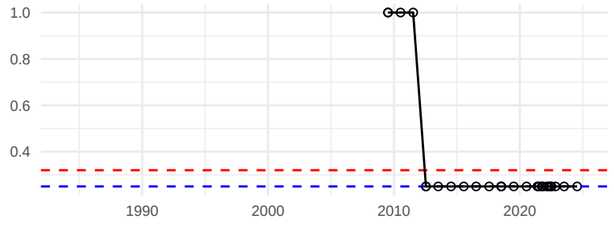
Bromide (mg/L) :



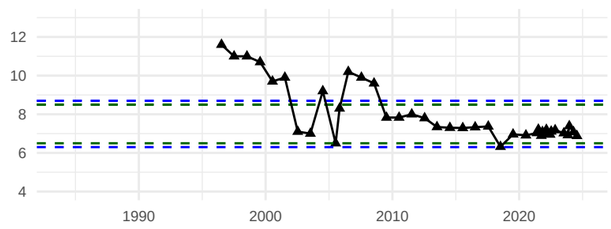
Dissolved Manganese (mg/L) :
AGQS: 0.3 mg/L SMCL: 0.05 mg/L



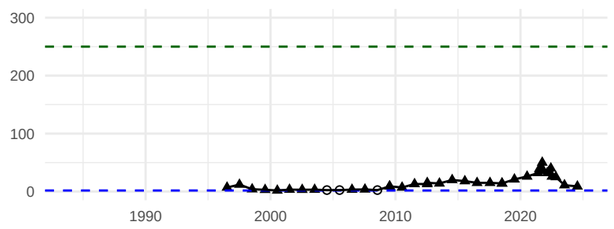
Dioxane (1,4−) (ug/L) :
AGQS: 0.32 ug/L



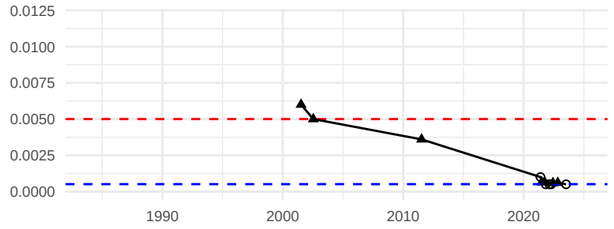
pH (SU) :
SMCL: 6.5 − 8.5 SU



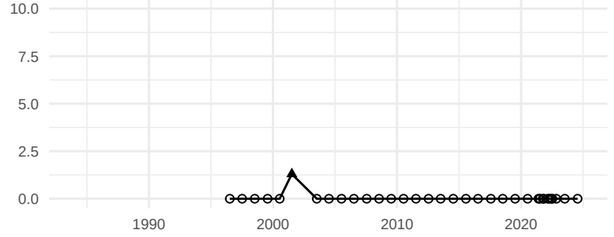
Chloride (mg/L) :
SMCL: 250 mg/L



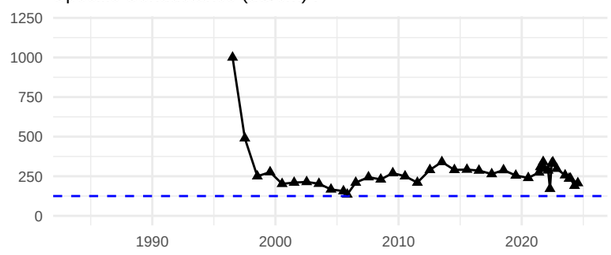
Dissolved Arsenic (mg/L) :
AGQS: 0.005 mg/L



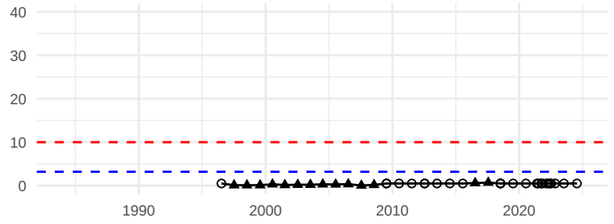
Total VOCs (ug/L) :



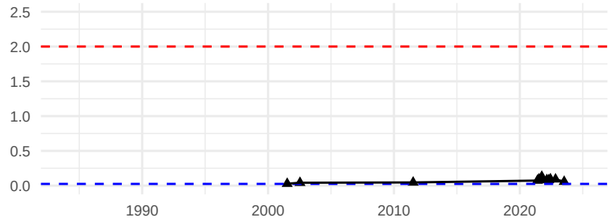
Specific Conductance (uS/cm) :



Nitrate (mg/L) :
AGQS: 10 mg/L



Dissolved Barium (mg/L) :
AGQS: 2 mg/L



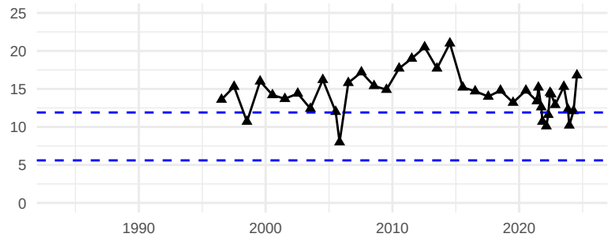
Result

- Detect
- Non−Detect

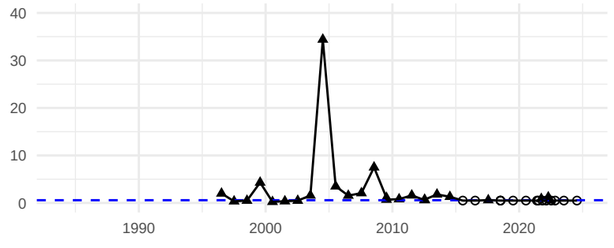
Standard

- AGQS
- SMCL
- Background

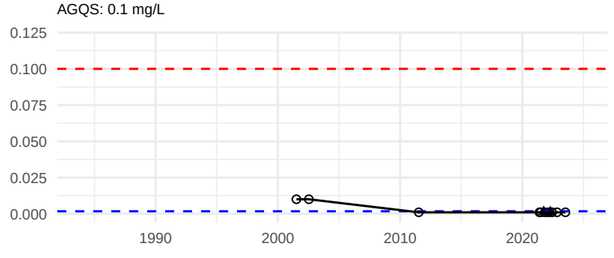
Temperature (C) :



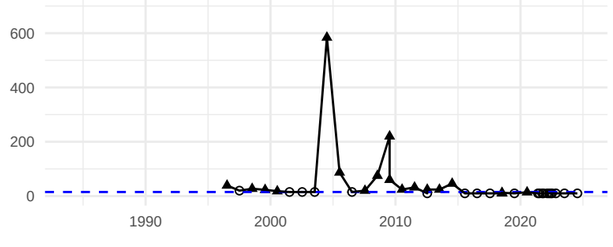
Total Kjeldahl Nitrogen (TKN) (mg/L) :



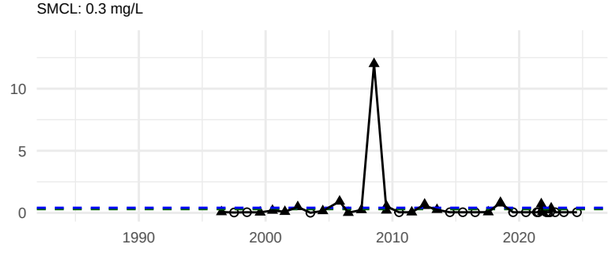
Dissolved Chromium (mg/L) :
AGQS: 0.1 mg/L



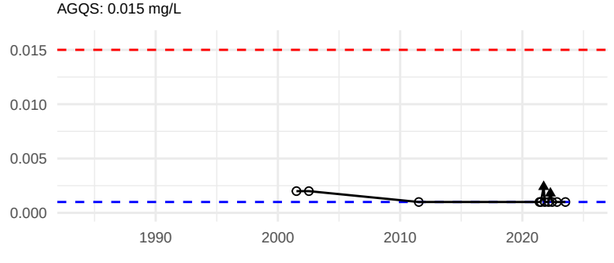
Chemical Oxygen Demand (mg/L) :



Dissolved Iron (mg/L) :
SMCL: 0.3 mg/L



Dissolved Lead (mg/L) :
AGQS: 0.015 mg/L



* indicates one or more data points plot outside concentration range shown

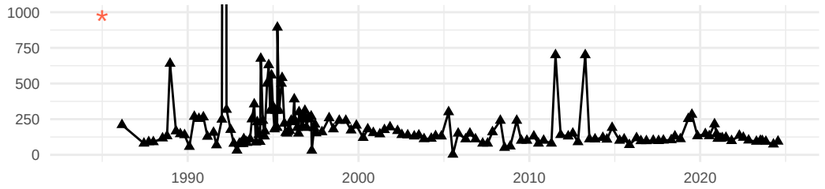
Sanborn, Head & Associates, Inc.

Appendix C.2

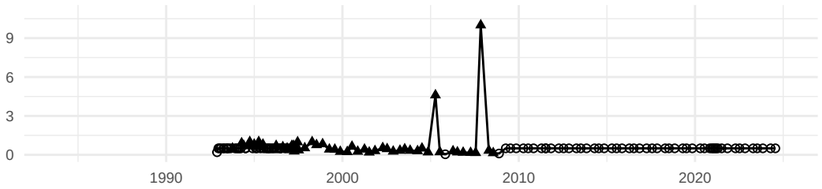
Surface Water Analytical Results

Seep S−1

Specific Conductance (uS/cm) :

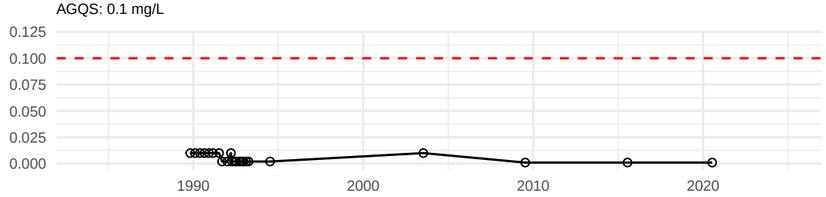


Total Kjeldahl Nitrogen (TKN) (mg/L) :

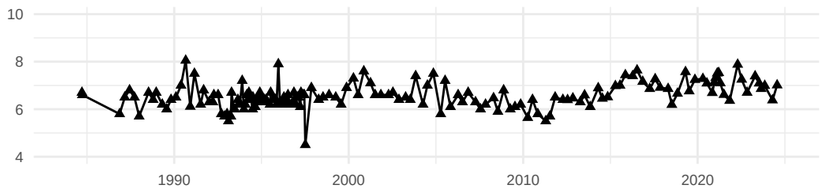


Total Chromium (mg/L) :

AGQS: 0.1 mg/L

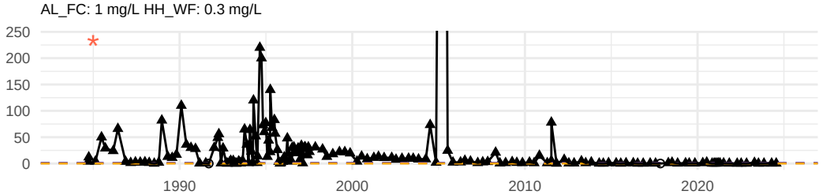


pH (SU) :

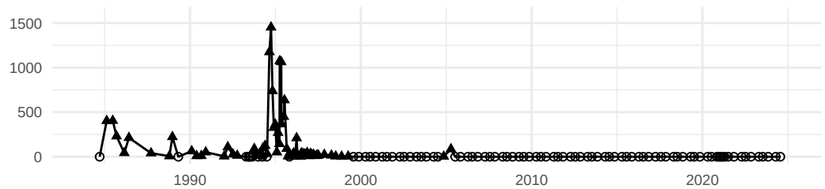


Total Iron (mg/L) :

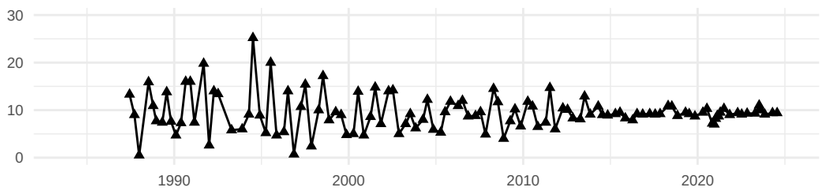
AL_FC: 1 mg/L HH_WF: 0.3 mg/L



Total VOCs (NA) :

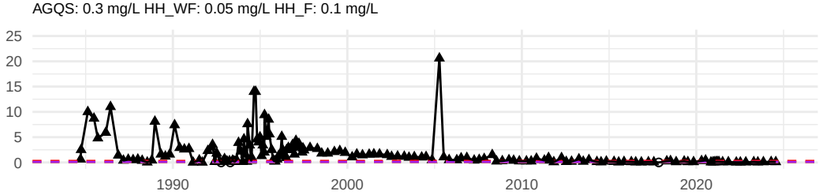


Temperature (C) :



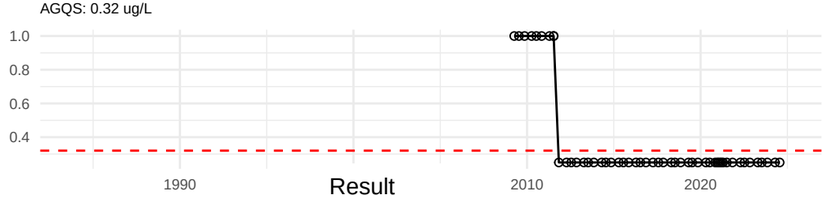
Total Manganese (mg/L) :

AGQS: 0.3 mg/L HH_WF: 0.05 mg/L HH_F: 0.1 mg/L

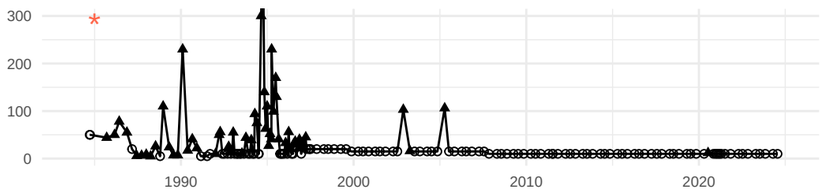


Dioxane (1,4−) (ug/L) :

AGQS: 0.32 ug/L

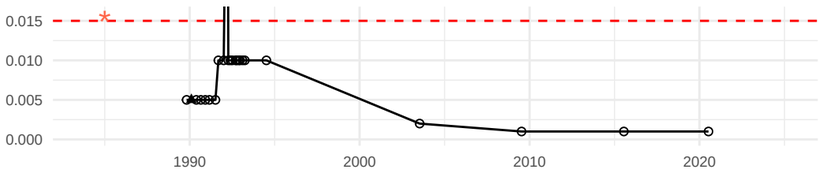


Chemical Oxygen Demand (mg/L) :



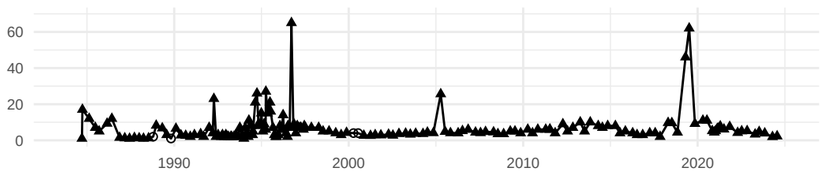
Total Lead (mg/L) :

AGQS: 0.015 mg/L



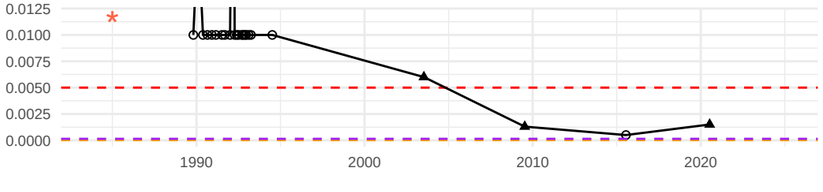
Chloride (mg/L) :

AL_FA: 860 mg/L AL_FC: 230 mg/L



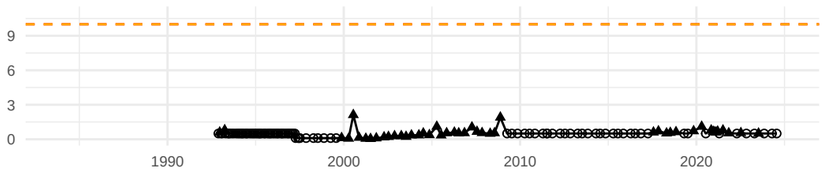
Total Arsenic (mg/L) :

AGQS: 0.005 mg/L AL_FA: 0.34 mg/L AL_FC: 0.15 mg/L HH_WF: 1.8e−05 mg/L HH_F: 0.00014 mg/L



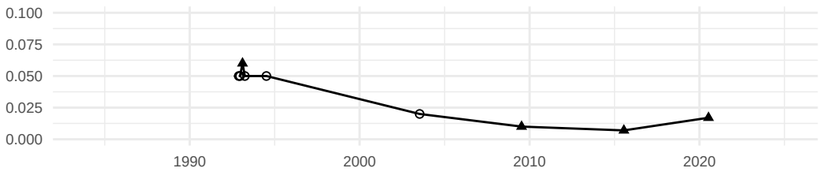
Nitrate (mg/L) :

AGQS: 10 mg/L HH_WF: 10 mg/L



Total Barium (mg/L) :

AGQS: 2 mg/L HH_WF: 1 mg/L



Result

▲ Detect

○ Non−Detect

Standard

AGQS

AL_FA

AL_FC

HH_WF

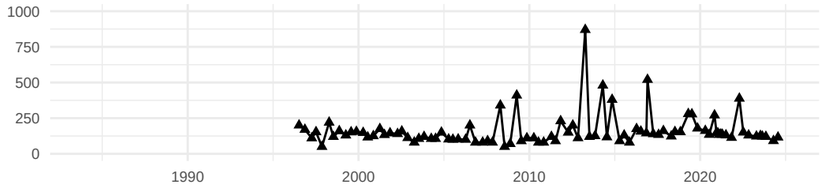
HH_F

* indicates one or more data points plot outside concentration range shown

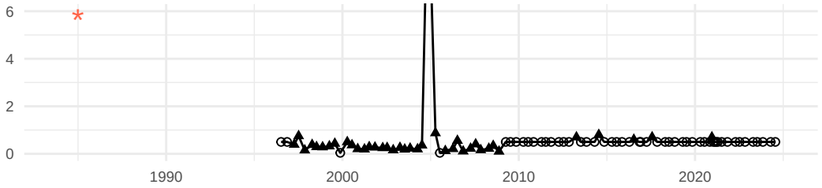
Sanborn, Head & Associates, Inc.

SF−1

Specific Conductance (uS/cm) :

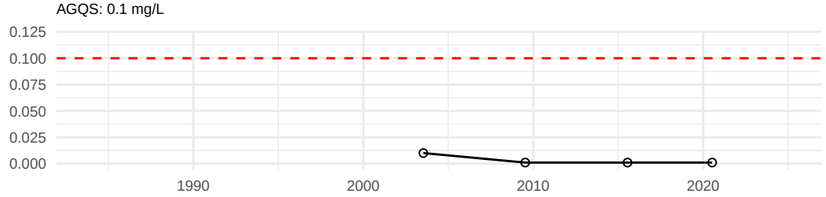


Total Kjeldahl Nitrogen (TKN) (mg/L) :

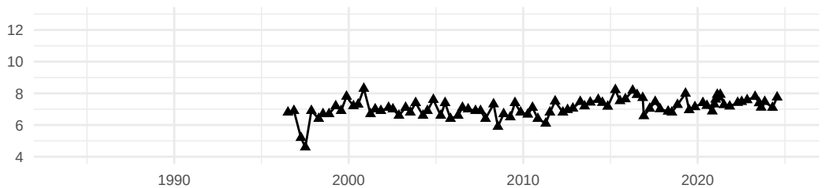


Total Chromium (mg/L) :

AGQS: 0.1 mg/L

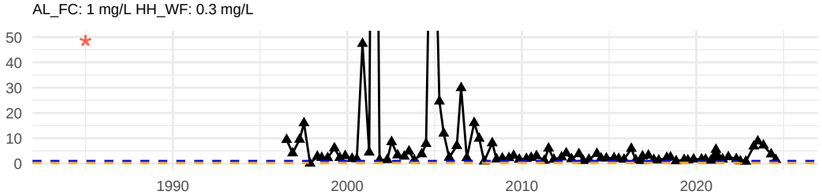


pH (SU) :

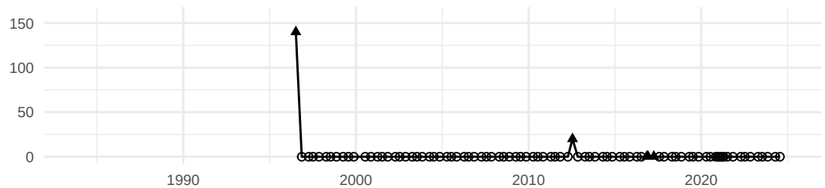


Total Iron (mg/L) :

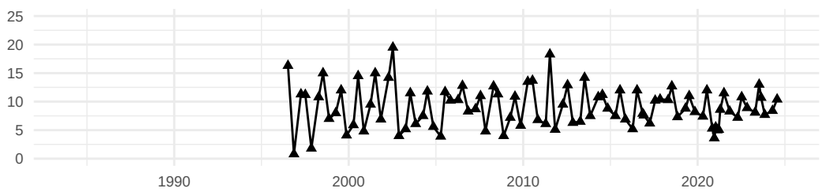
AL_FC: 1 mg/L HH_WF: 0.3 mg/L



Total VOCs (NA) :

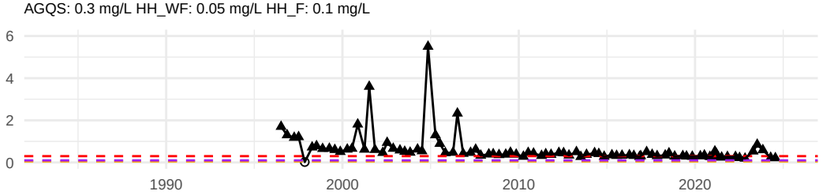


Temperature (C) :



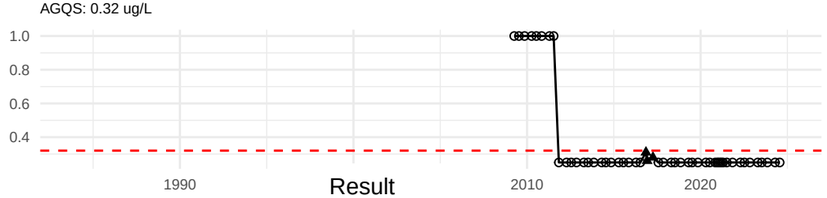
Total Manganese (mg/L) :

AGQS: 0.3 mg/L HH_WF: 0.05 mg/L HH_F: 0.1 mg/L

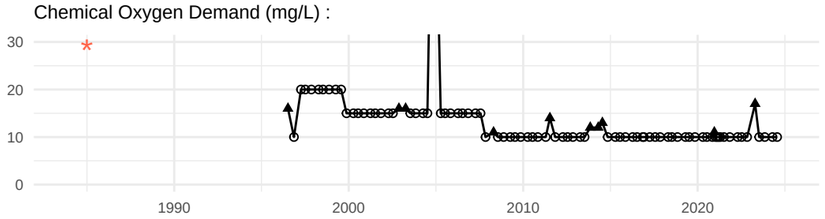


Dioxane (1,4−) (ug/L) :

AGQS: 0.32 ug/L

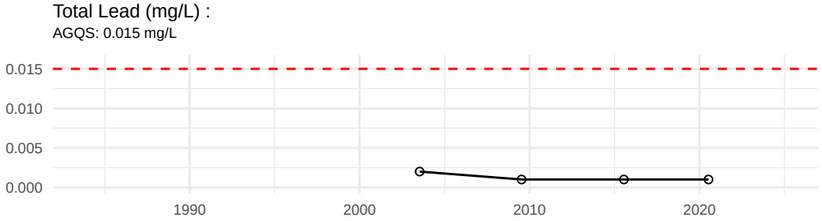


Chemical Oxygen Demand (mg/L) :



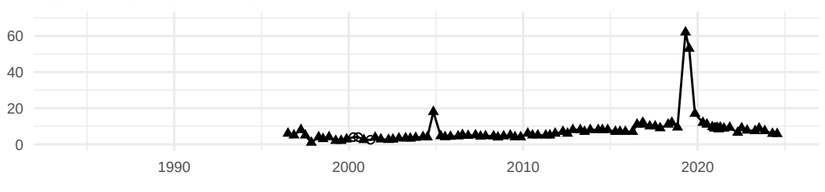
Total Lead (mg/L) :

AGQS: 0.015 mg/L



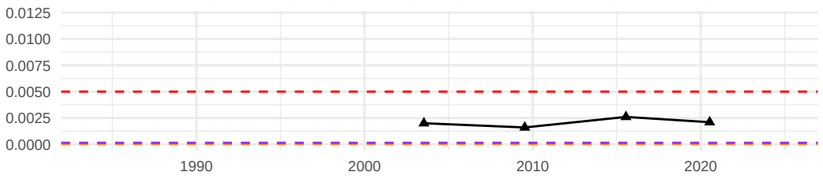
Chloride (mg/L) :

AL_FA: 860 mg/L AL_FC: 230 mg/L



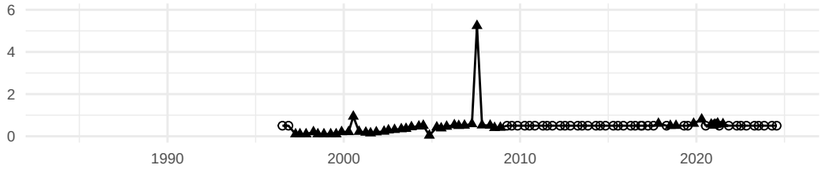
Total Arsenic (mg/L) :

AGQS: 0.005 mg/L AL_FA: 0.34 mg/L AL_FC: 0.15 mg/L HH_WF: 1.8e−05 mg/L HH_F: 0.00014 mg/L



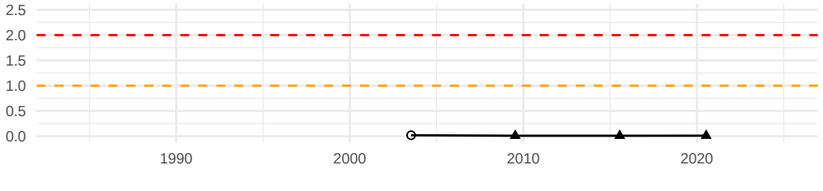
Nitrate (mg/L) :

AGQS: 10 mg/L HH_WF: 10 mg/L



Total Barium (mg/L) :

AGQS: 2 mg/L HH_WF: 1 mg/L



Result

▲ Detect

○ Non−Detect

Standard

AGQS

AL_FA

AL_FC

HH_WF

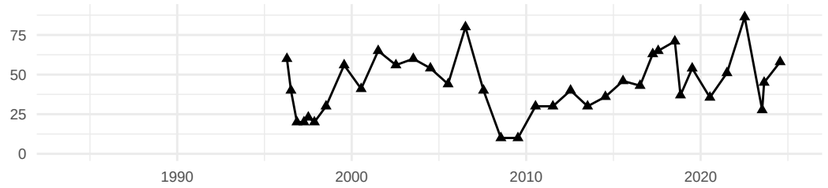
HH_F

* indicates one or more data points plot outside concentration range shown

Sanborn, Head & Associates, Inc.

AR−1

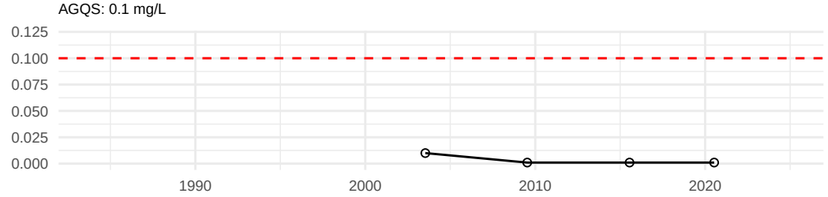
Specific Conductance (uS/cm) :



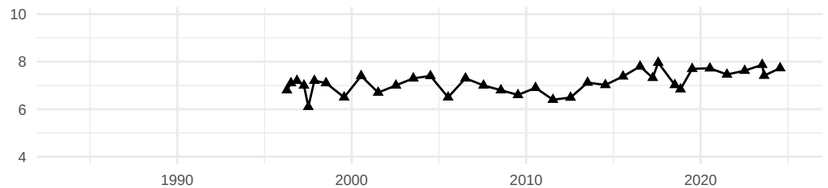
Total Kjeldahl Nitrogen (TKN) (mg/L) :

Total Chromium (mg/L) :

AGQS: 0.1 mg/L

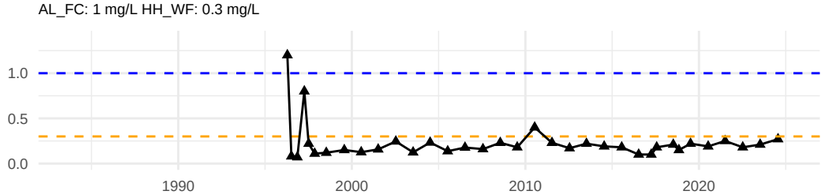


pH (SU) :

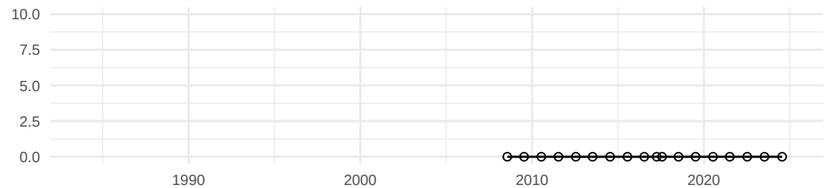


Total Iron (mg/L) :

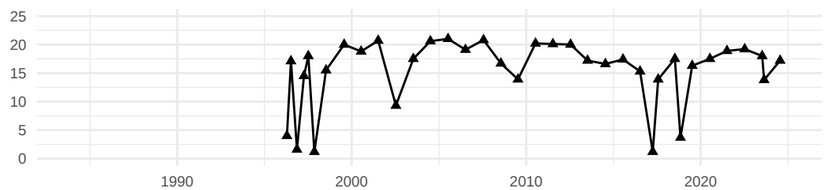
AL_FC: 1 mg/L HH_WF: 0.3 mg/L



Total VOCs (NA) :

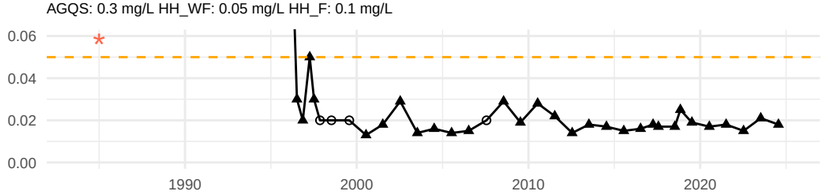


Temperature (C) :



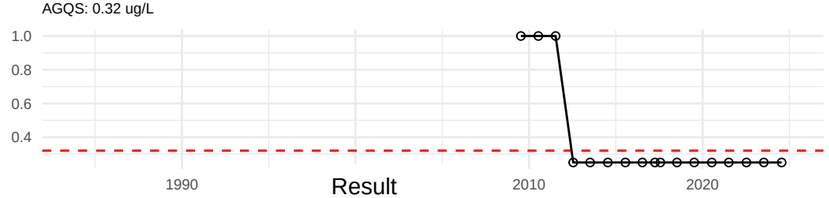
Total Manganese (mg/L) :

AGQS: 0.3 mg/L HH_WF: 0.05 mg/L HH_F: 0.1 mg/L

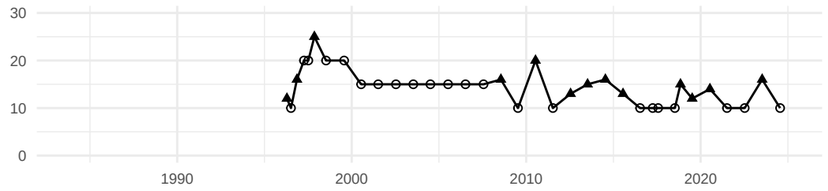


Dioxane (1,4−) (ug/L) :

AGQS: 0.32 ug/L

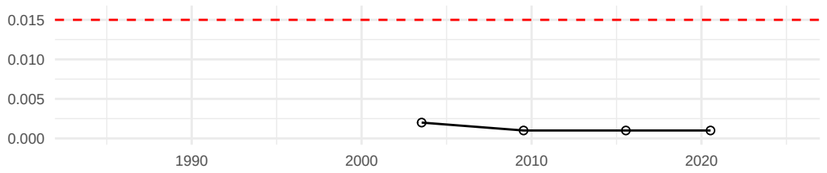


Chemical Oxygen Demand (mg/L) :



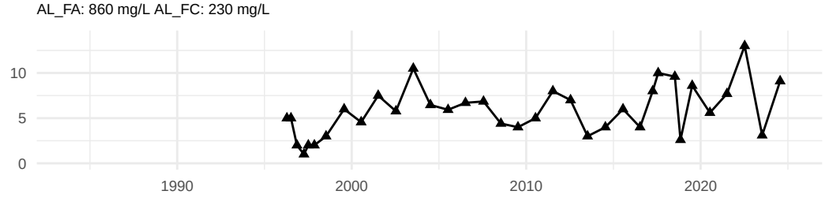
Total Lead (mg/L) :

AGQS: 0.015 mg/L



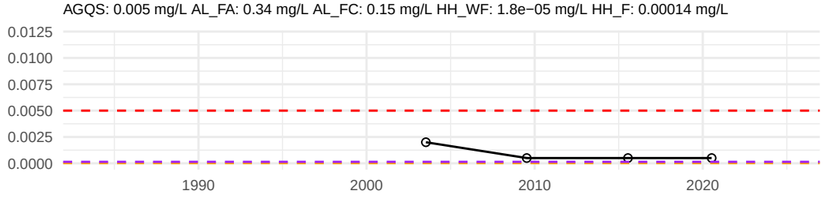
Chloride (mg/L) :

AL_FA: 860 mg/L AL_FC: 230 mg/L



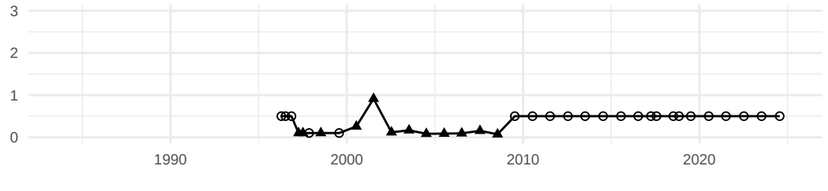
Total Arsenic (mg/L) :

AGQS: 0.005 mg/L AL_FA: 0.34 mg/L AL_FC: 0.15 mg/L HH_WF: 1.8e−05 mg/L HH_F: 0.00014 mg/L



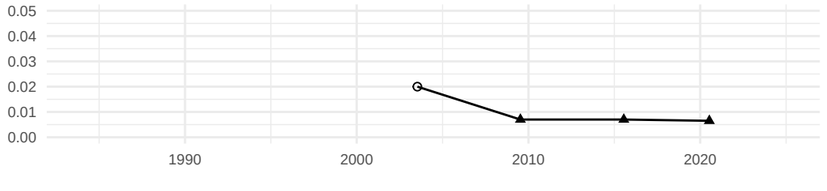
Nitrate (mg/L) :

AGQS: 10 mg/L HH_WF: 10 mg/L



Total Barium (mg/L) :

AGQS: 2 mg/L HH_WF: 1 mg/L



Result

▲ Detect

○ Non−Detect

Standard

AGQS

AL_FA

AL_FC

HH_WF

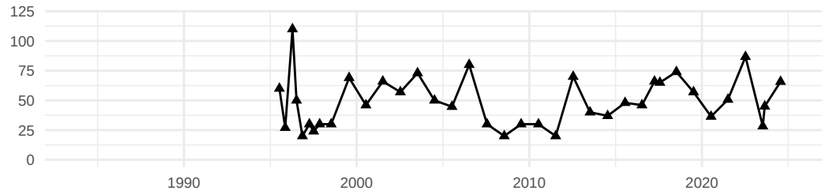
HH_F

* indicates one or more data points plot outside concentration range shown

Sanborn, Head & Associates, Inc.

AR−2

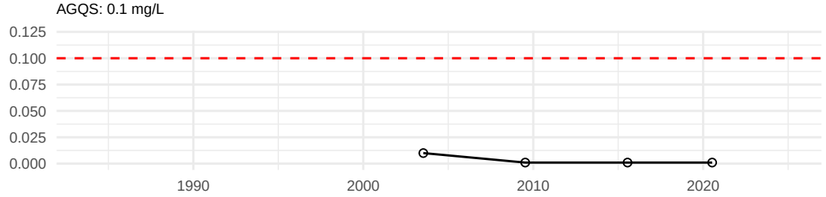
Specific Conductance (uS/cm) :



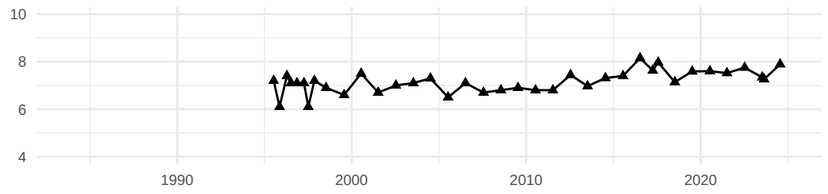
Total Kjeldahl Nitrogen (TKN) (mg/L) :

Total Chromium (mg/L) :

AGQS: 0.1 mg/L

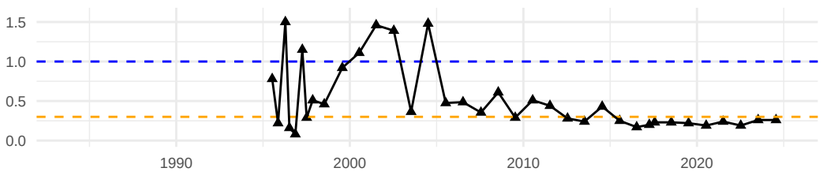


pH (SU) :

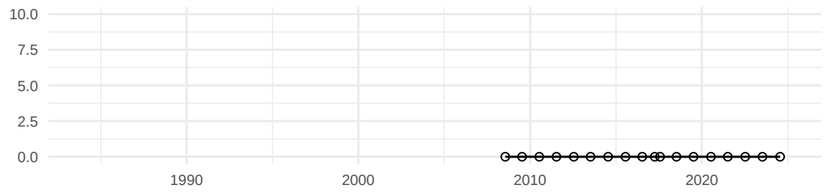


Total Iron (mg/L) :

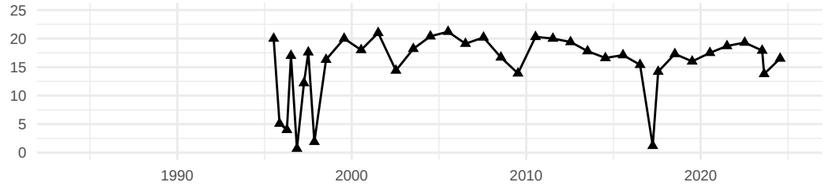
AL_FC: 1 mg/L HH_WF: 0.3 mg/L



Total VOCs (NA) :

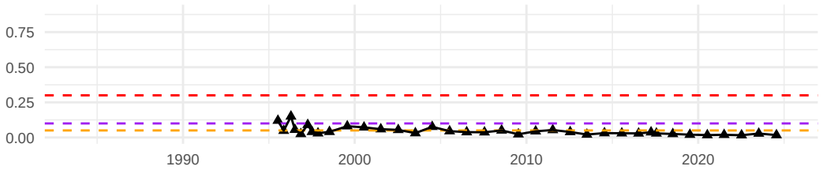


Temperature (C) :



Total Manganese (mg/L) :

AGQS: 0.3 mg/L HH_WF: 0.05 mg/L HH_F: 0.1 mg/L



Dioxane (1,4−) (ug/L) :

AGQS: 0.32 ug/L

Result

▲ Detect

○ Non−Detect

Standard

AGQS

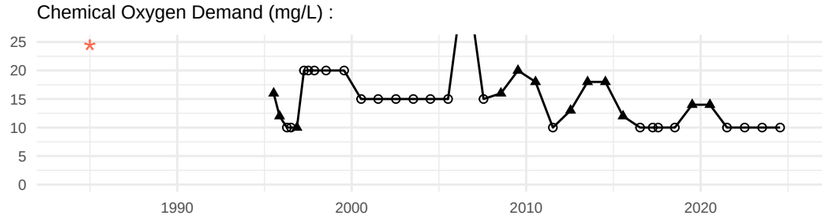
AL_FA

AL_FC

HH_WF

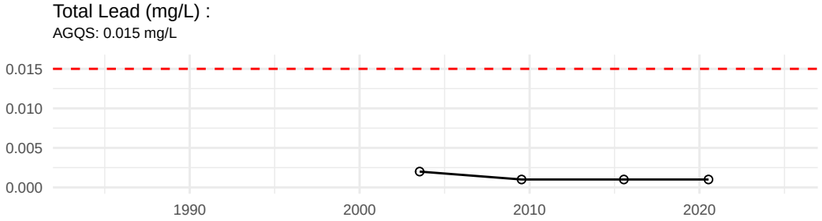
HH_F

Chemical Oxygen Demand (mg/L) :



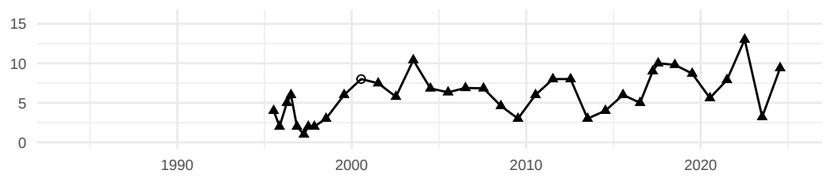
Total Lead (mg/L) :

AGQS: 0.015 mg/L



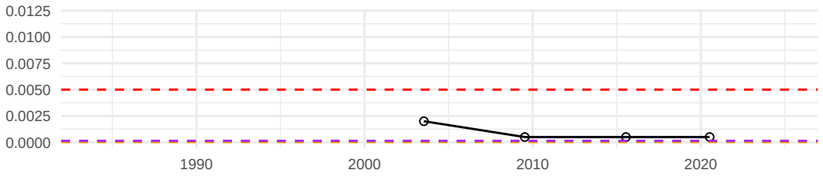
Chloride (mg/L) :

AL_FA: 860 mg/L AL_FC: 230 mg/L



Total Arsenic (mg/L) :

AGQS: 0.005 mg/L AL_FA: 0.34 mg/L AL_FC: 0.15 mg/L HH_WF: 1.8e−05 mg/L HH_F: 0.00014 mg/L

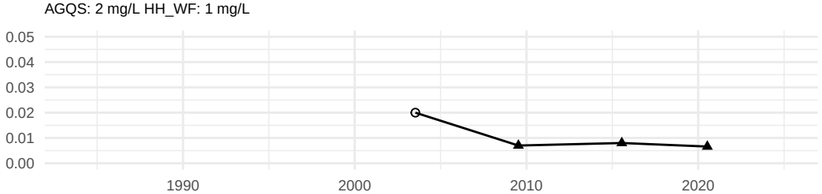


Nitrate (mg/L) :

AGQS: 10 mg/L HH_WF: 10 mg/L

Total Barium (mg/L) :

AGQS: 2 mg/L HH_WF: 1 mg/L



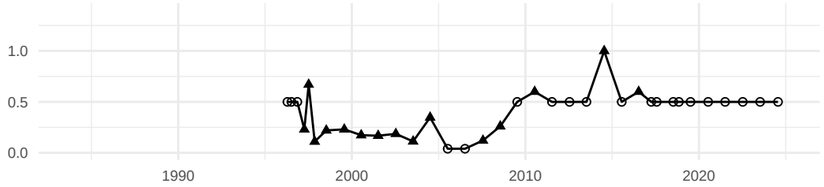
* indicates one or more data points plot outside concentration range shown

Sanborn, Head & Associates, Inc.

AR−3

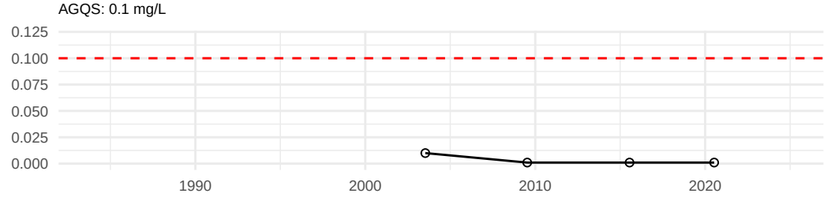
Specific Conductance (uS/cm) :

Total Kjeldahl Nitrogen (TKN) (mg/L) :

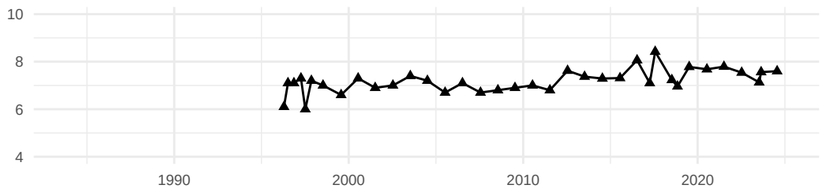


Total Chromium (mg/L) :

AGQS: 0.1 mg/L

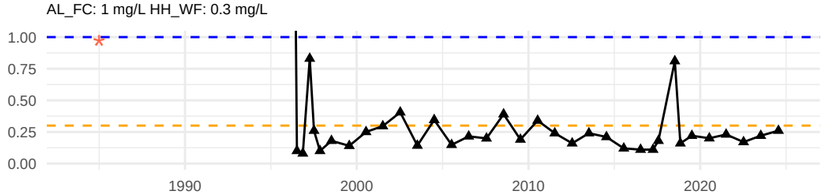


pH (SU) :

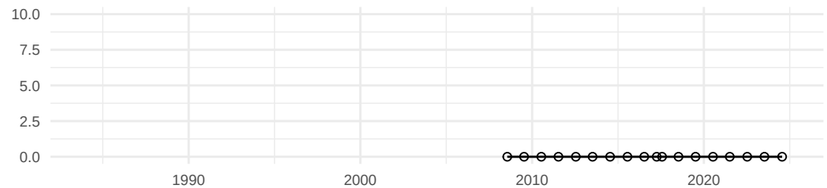


Total Iron (mg/L) :

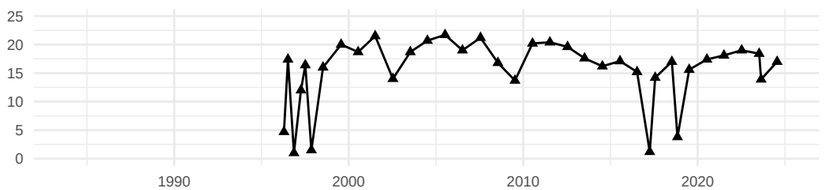
AL_FC: 1 mg/L HH_WF: 0.3 mg/L



Total VOCs (NA) :

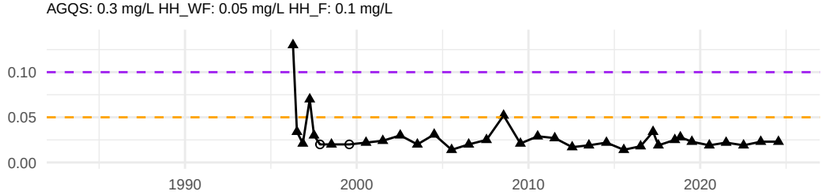


Temperature (C) :



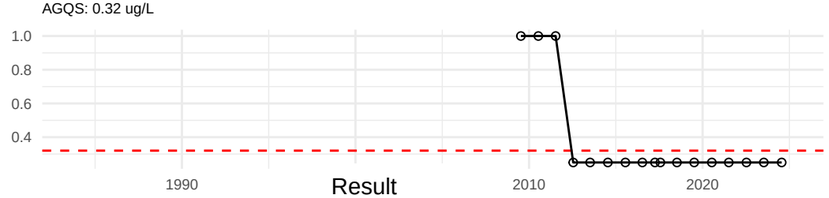
Total Manganese (mg/L) :

AGQS: 0.3 mg/L HH_WF: 0.05 mg/L HH_F: 0.1 mg/L

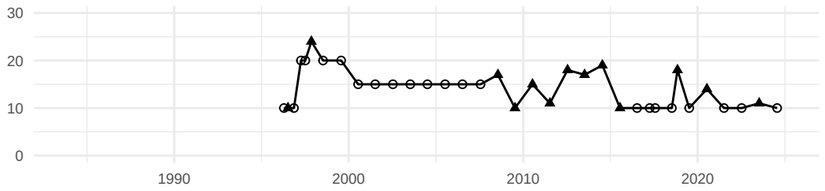


Dioxane (1,4−) (ug/L) :

AGQS: 0.32 ug/L

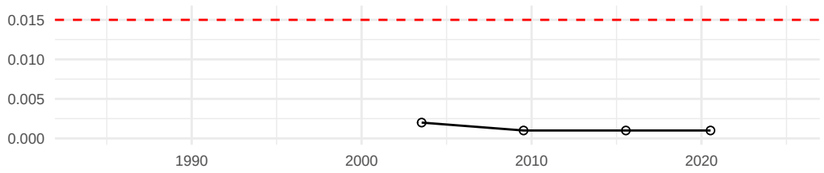


Chemical Oxygen Demand (mg/L) :



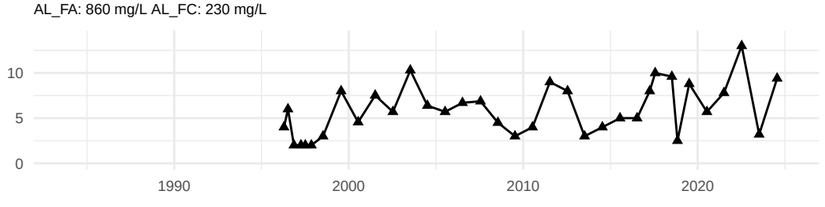
Total Lead (mg/L) :

AGQS: 0.015 mg/L



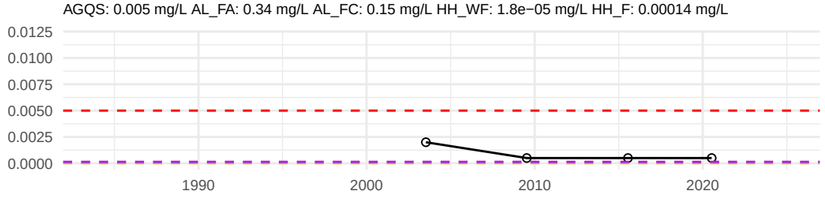
Chloride (mg/L) :

AL_FA: 860 mg/L AL_FC: 230 mg/L



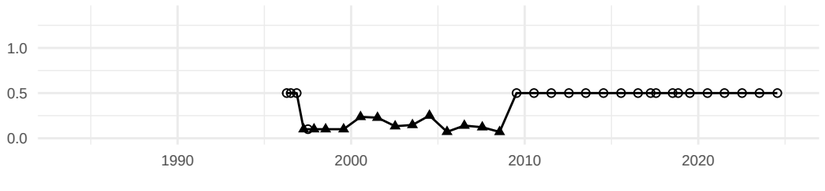
Total Arsenic (mg/L) :

AGQS: 0.005 mg/L AL_FA: 0.34 mg/L AL_FC: 0.15 mg/L HH_WF: 1.8e−05 mg/L HH_F: 0.00014 mg/L



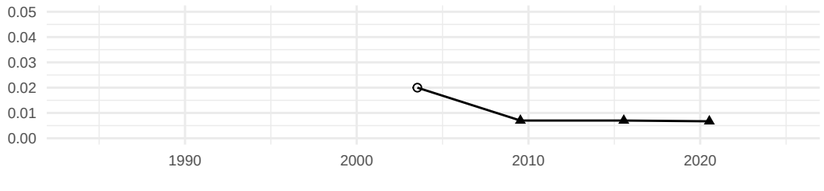
Nitrate (mg/L) :

AGQS: 10 mg/L HH_WF: 10 mg/L



Total Barium (mg/L) :

AGQS: 2 mg/L HH_WF: 1 mg/L



Result

▲ Detect

○ Non−Detect

Standard

AGQS

AL_FA

AL_FC

HH_WF

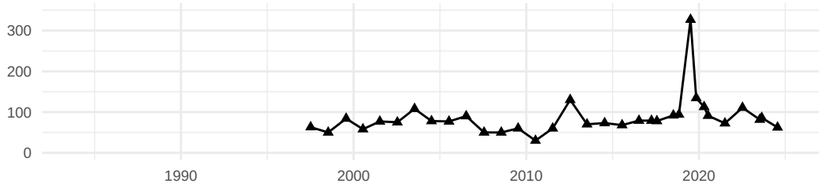
HH_F

* indicates one or more data points plot outside concentration range shown

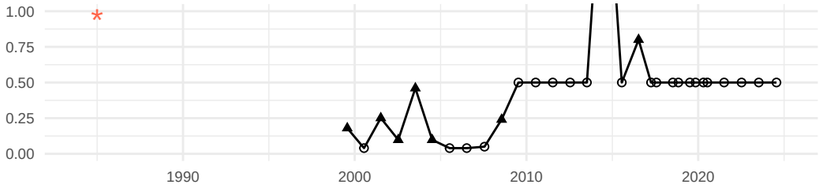
Sanborn, Head & Associates, Inc.

S−101

Specific Conductance (uS/cm) :

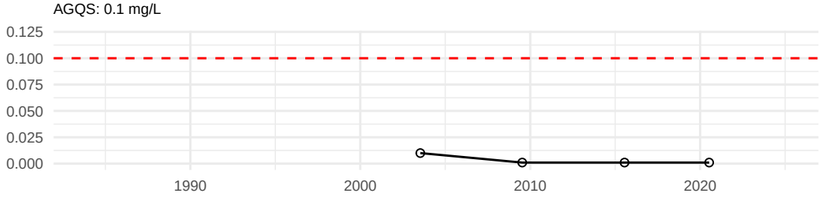


Total Kjeldahl Nitrogen (TKN) (mg/L) :

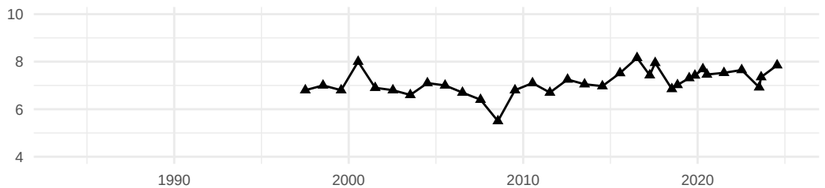


Total Chromium (mg/L) :

AGQS: 0.1 mg/L

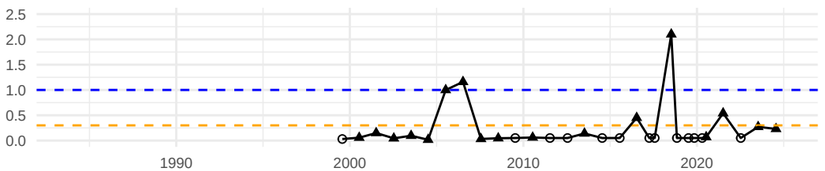


pH (SU) :

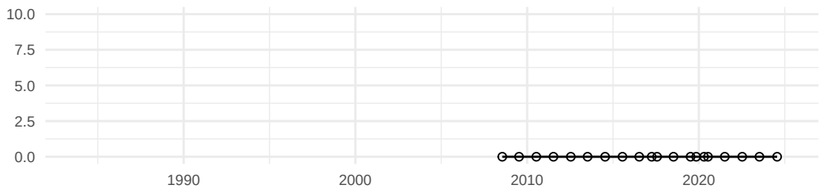


Total Iron (mg/L) :

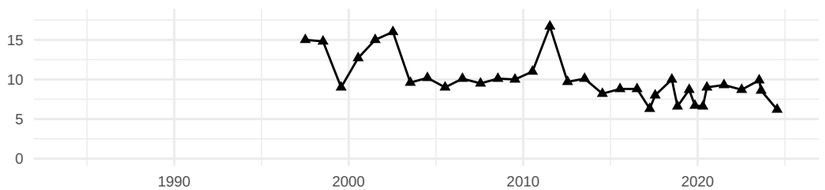
AL_FC: 1 mg/L HH_WF: 0.3 mg/L



Total VOCs (NA) :

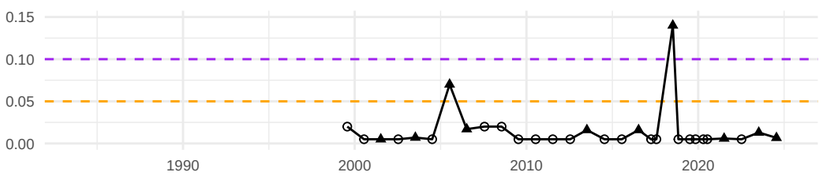


Temperature (C) :



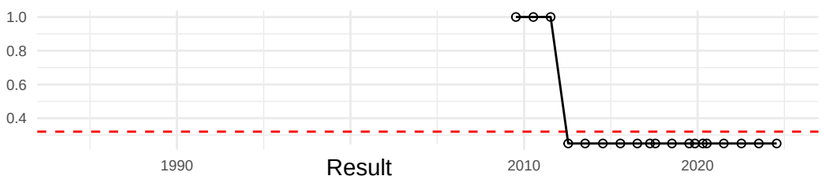
Total Manganese (mg/L) :

AGQS: 0.3 mg/L HH_WF: 0.05 mg/L HH_F: 0.1 mg/L

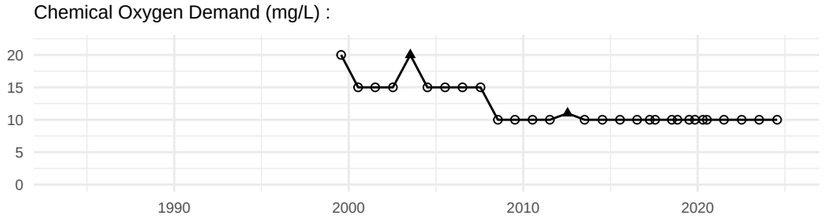


Dioxane (1,4−) (ug/L) :

AGQS: 0.32 ug/L

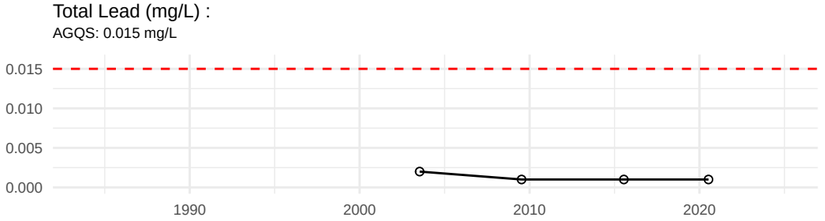


Chemical Oxygen Demand (mg/L) :



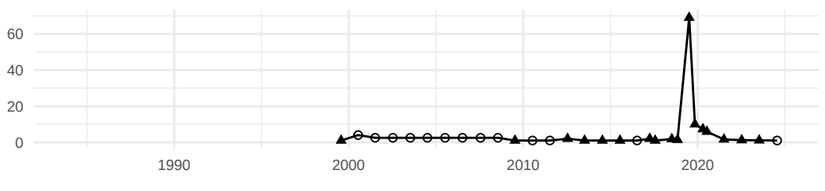
Total Lead (mg/L) :

AGQS: 0.015 mg/L



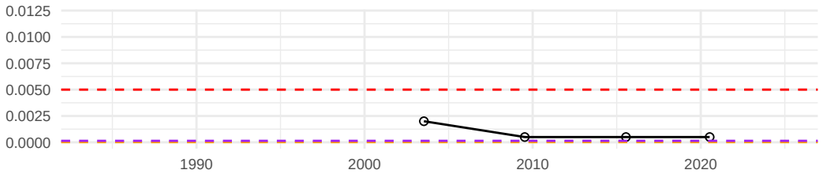
Chloride (mg/L) :

AL_FA: 860 mg/L AL_FC: 230 mg/L



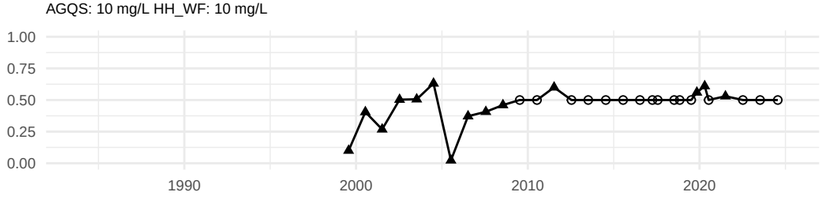
Total Arsenic (mg/L) :

AGQS: 0.005 mg/L AL_FA: 0.34 mg/L AL_FC: 0.15 mg/L HH_WF: 1.8e−05 mg/L HH_F: 0.00014 mg/L



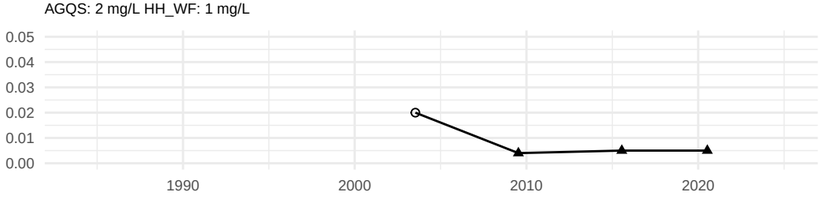
Nitrate (mg/L) :

AGQS: 10 mg/L HH_WF: 10 mg/L



Total Barium (mg/L) :

AGQS: 2 mg/L HH_WF: 1 mg/L



Result

Detect

Non−Detect

Standard

AGQS

AL_FA

AL_FC

HH_WF

HH_F

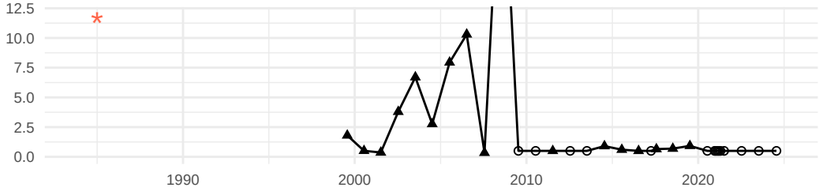
* indicates one or more data points plot outside concentration range shown

Sanborn, Head & Associates, Inc.

S−108

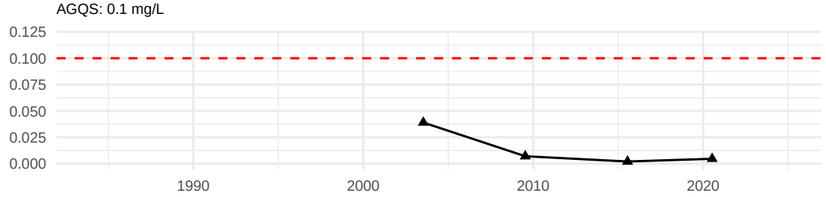
Specific Conductance (uS/cm) :

Total Kjeldahl Nitrogen (TKN) (mg/L) :

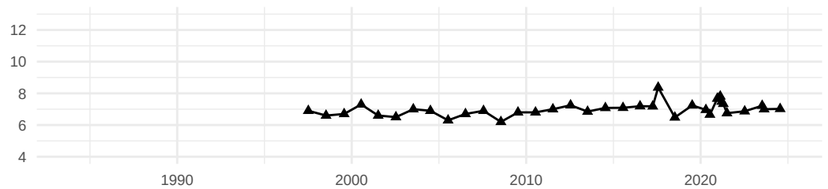


Total Chromium (mg/L) :

AGQS: 0.1 mg/L

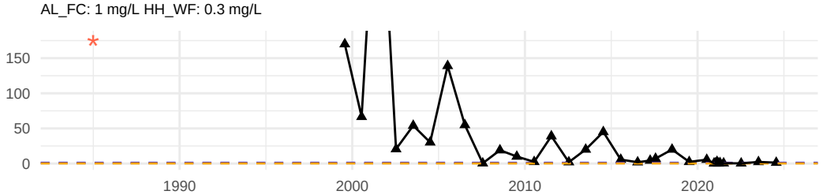


pH (SU) :

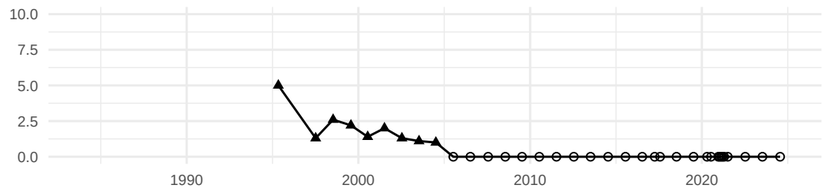


Total Iron (mg/L) :

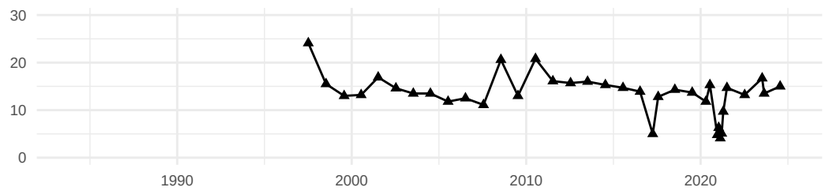
AL_FC: 1 mg/L HH_WF: 0.3 mg/L



Total VOCs (NA) :

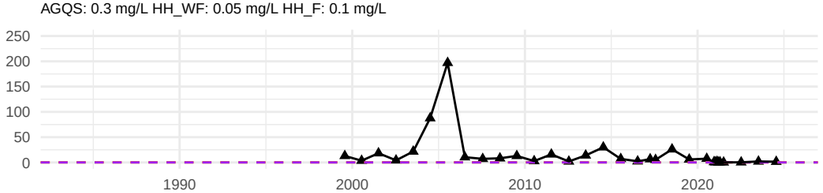


Temperature (C) :



Total Manganese (mg/L) :

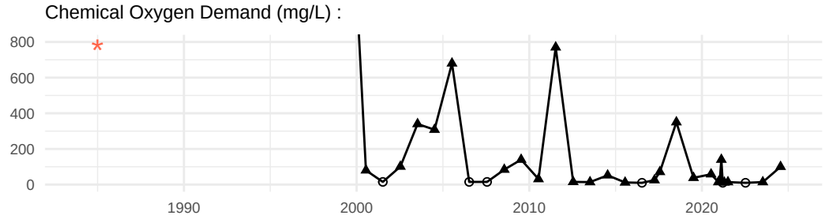
AGQS: 0.3 mg/L HH_WF: 0.05 mg/L HH_F: 0.1 mg/L



Dioxane (1,4−) (ug/L) :

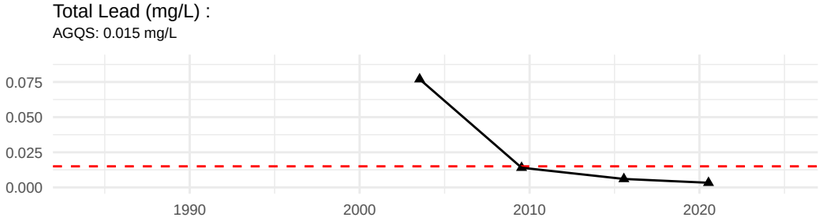
AGQS: 0.32 ug/L

Chemical Oxygen Demand (mg/L) :



Total Lead (mg/L) :

AGQS: 0.015 mg/L



Result

Detect

Non−Detect

Standard

AGQS

AL_FA

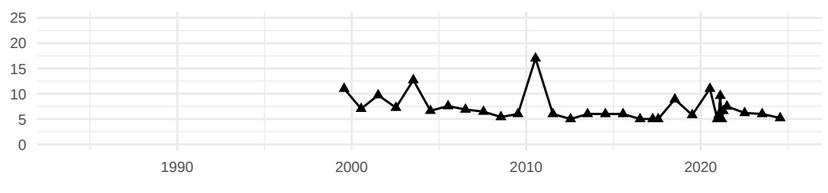
AL_FC

HH_WF

HH_F

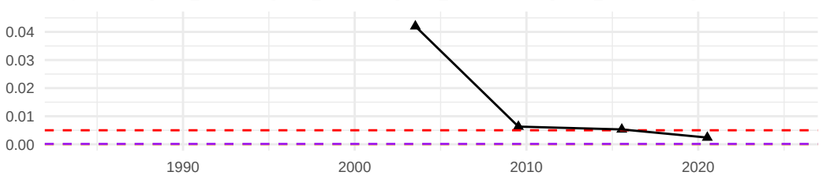
Chloride (mg/L) :

AL_FA: 860 mg/L AL_FC: 230 mg/L



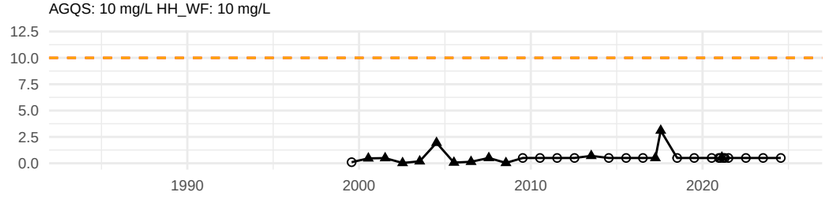
Total Arsenic (mg/L) :

AGQS: 0.005 mg/L AL_FA: 0.34 mg/L AL_FC: 0.15 mg/L HH_WF: 1.8e−05 mg/L HH_F: 0.00014 mg/L



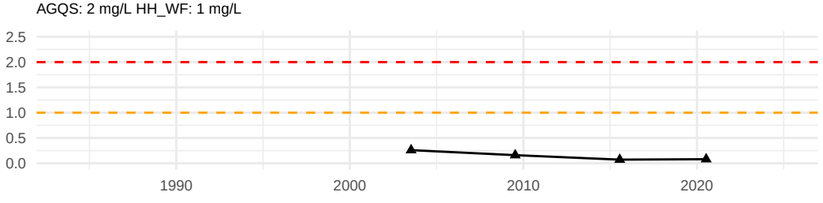
Nitrate (mg/L) :

AGQS: 10 mg/L HH_WF: 10 mg/L



Total Barium (mg/L) :

AGQS: 2 mg/L HH_WF: 1 mg/L



* indicates one or more data points plot outside concentration range shown

Sanborn, Head & Associates, Inc.

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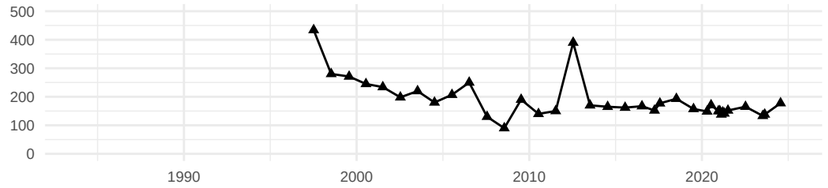
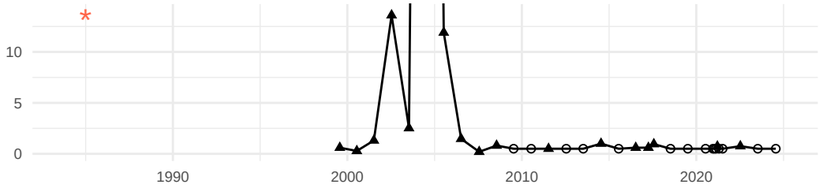
Specific Conductance (uS/cm) :

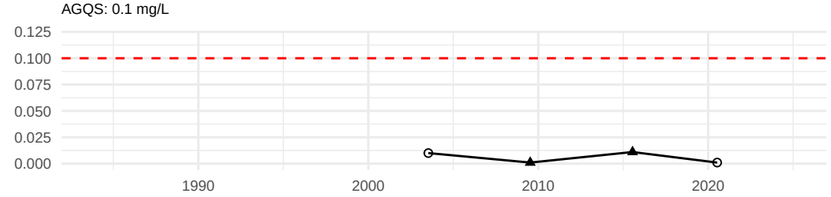


Total Kjeldahl Nitrogen (TKN) (mg/L) :

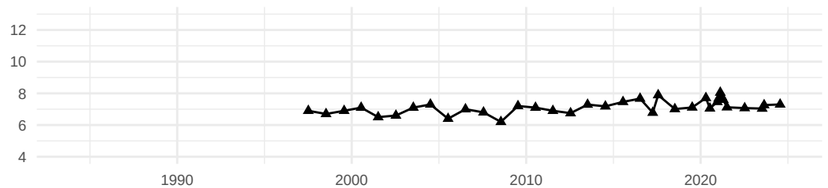


Total Chromium (mg/L) :

AGQS: 0.1 mg/L

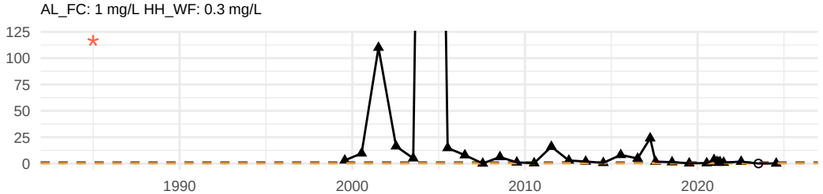


pH (SU) :

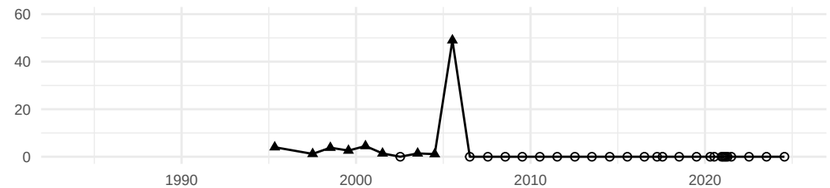


Total Iron (mg/L) :

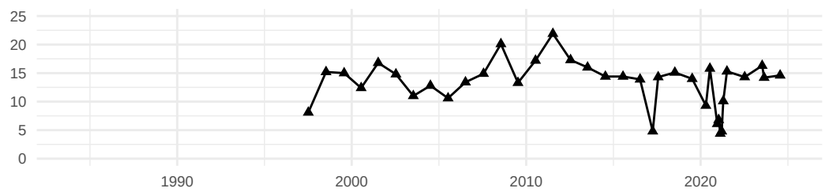
AL_FC: 1 mg/L HH_WF: 0.3 mg/L



Total VOCs (NA) :

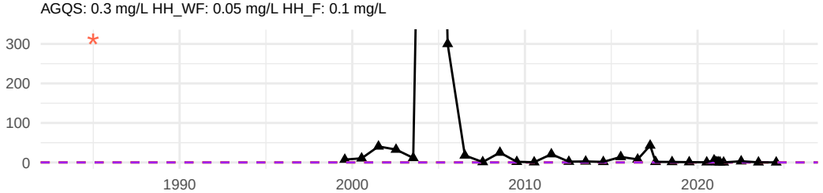


Temperature (C) :



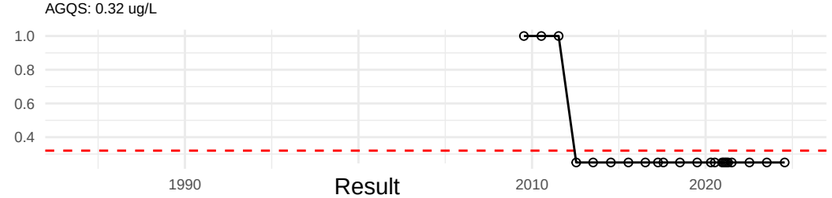
Total Manganese (mg/L) :

AGQS: 0.3 mg/L HH_WF: 0.05 mg/L HH_F: 0.1 mg/L

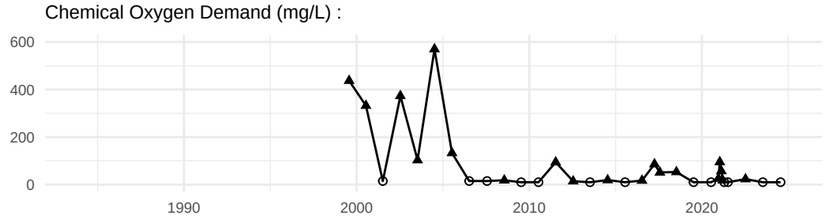


Dioxane (1,4−) (ug/L) :

AGQS: 0.32 ug/L

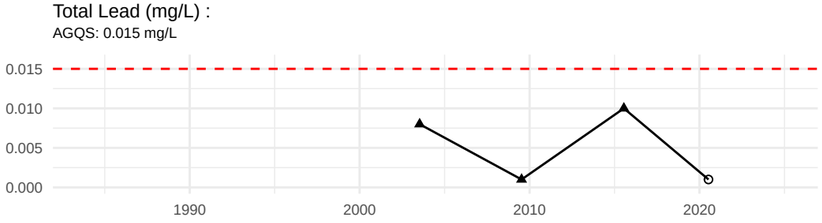


Chemical Oxygen Demand (mg/L) :



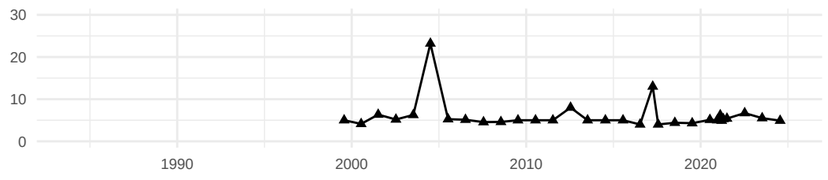
Total Lead (mg/L) :

AGQS: 0.015 mg/L



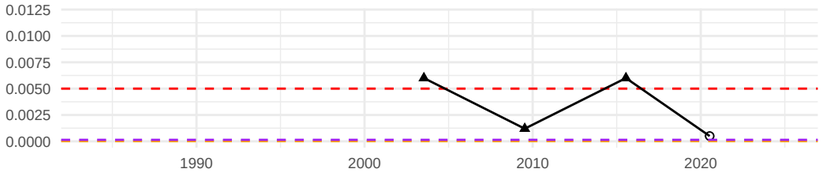
Chloride (mg/L) :

AL_FA: 860 mg/L AL_FC: 230 mg/L



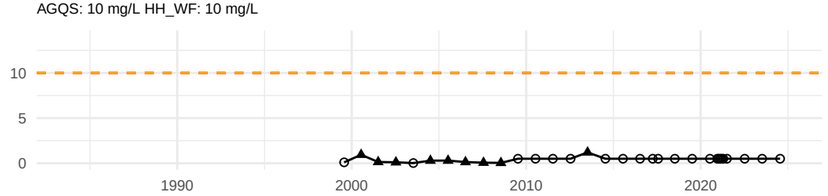
Total Arsenic (mg/L) :

AGQS: 0.005 mg/L AL_FA: 0.34 mg/L AL_FC: 0.15 mg/L HH_WF: 1.8e−05 mg/L HH_F: 0.00014 mg/L



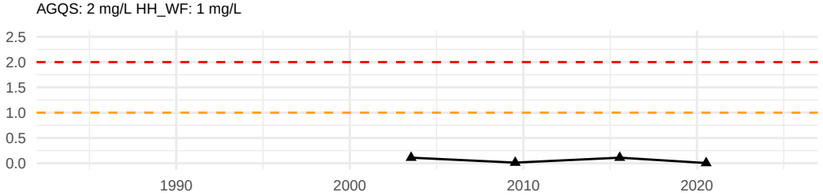
Nitrate (mg/L) :

AGQS: 10 mg/L HH_WF: 10 mg/L



Total Barium (mg/L) :

AGQS: 2 mg/L HH_WF: 1 mg/L



Result

▲ Detect

○ Non−Detect

Standard

AGQS

AL_FA

AL_FC

HH_WF

HH_F

* indicates one or more data points plot outside concentration range shown

Sanborn, Head & Associates, Inc.

Appendix D

PFAS Groundwater Analytical Results

APPENDIX D
TABLE NOTES

1. Samples prior to November 2023 and from July 2024 were collected by Sanborn Head personnel on the dates indicated and analyzed for PFAS by Enthalpy (formerly Vista) Analytical Laboratory (Enthalpy) of El Dorado Hills, California (except April 2019) by USEPA Method 537 (modified) with isotope dilution. Samples from November 2023, January and April 2024 were collected by Sanborn Head personnel on the dates indicated and analyzed by Enthalpy by USEPA Method 1633. Enthalpy was subcontracted through Eastern Analytical, Inc. (EAI) of Concord, New Hampshire.

   PFAS Samples from April 2019 were analyzed by Eurofins Lancaster Laboratories (Lancaster) of Lancaster, Pennsylvania. Lancaster was subcontracted through EAI.

   Sample Locations denoted “QC_FB” or “QC_TB” indicate a quality control field blank or trip blank sample respectively.

2. A sample type of “N” indicates a normal sample. A sample type of “FD” indicates a field duplicate sample. A sample type of “FB” indicates a field blank. A sample type of “TB” indicates a trip blank.

3. Results are presented in nanograms per liter (ng/L) which are equivalent to parts per trillion (ppt).

4. "<" or “ND” indicates the analyte was not detected above the listed laboratory reporting limit.

   “JL” indicates the result is estimated with potential low bias due to low labeled internal standard recoveries (<10%).

   Blank cells indicate the sample was not analyzed for that analyte.

5. "GW-1" Groundwater Standards are from the New Hampshire Department of Environmental Services (NHDES) Contaminated Sites Risk Characterization and Management Policy (RCMP) (January 1998, with 2000 through 2018 revisions/addenda). GW-1 Groundwater Standards are intended to be equivalent to the AGQSs promulgated in Env-Or 600 (June 2015 with October 2016, September 2018, September 2019, May 2020, January 2021, and July 2021 amendments). For analytes where GW-1 and AGQS values differ, the values presented in this table reflect the AGQSs in the latest Env-Or 600 update. The AGQS/GW-1 Groundwater Standards are intended to be protective of groundwater as a source of drinking water.

6. [3] = number of carbons in the alkyl chain for perfluorinated carboxylic acids (PFCAs). The carbon included in the carboxylic functional group is non-fluorinated and the remaining carbons (i.e., alkyl chain) are fluorinated.

   [4S] = number of carbons in the alkyl chain for perfluorinated sulfonic acids (PFSAs). All of the carbons are fluorinated.

   "<" indicates the analyte was not detected.

7. **Bold** values exceed the GW-1 Groundwater Standard for that analyte.

8. "Total of Regulated PFAS" indicates the sum of the detected concentrations of PFOA, PFNA, PFHxS, and PFOS.

9. "Total PFAS" indicates the sum of the concentrations of detected analytes (note – the PFAS analyte list may vary by round).

P:\2600s\2637.11\Source Files\Annual Report\Tables and Charts\Appendix D Table Notes.docx

Appendix D.1

Summary of PFAS Groundwater Analytical Results

TABLE D.1
Summary of PFAS Groundwater Analytical Results
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Concentrations in ng/L																									
			Perfluoroalkyl Carboxylic Acids											Perfluoroalkyl Sulfonic Acids							Fluorotelomers			Perfluoroalkane Sulfonamides		Perfluoroalkane Sulfonyl Substances		Total of Regulated PFAS	Total PFAS
			Perfluorobutanoic Acid (PFBA) [3]	Perfluoropentanoic Acid (PFPeA) [4]	Perfluorohexanoic Acid (PFHxA) [5]	Perfluoroheptanoic Acid (PFHpA) [6]	Perfluorooctanoic Acid (PFOA) [7]	Perfluorononanoic Acid (PFNA) [8]	Perfluorodecanoic Acid (PFDA) [9]	Perfluoroundecanoic Acid (PFUnA) [10]	Perfluorododecanoic Acid (PFDoA) [11]	Perfluorotridecanoic Acid (PFTrA) [12]	Perfluorotetradecanoic Acid (PFTeA) [13]	Perfluorobutanesulfonic Acid (PFBS) [4S]	Perfluoropentanesulfonic Acid (PFPeS) [5S]	Perfluorohexanesulfonic Acid (PFHxS) [6S]	Perfluoroheptanesulfonic Acid (PFHpS) [7S]	Perfluorooctanesulfonic Acid (PFOS) [8S]	Perfluorononanesulfonic Acid (PFNS) [9S]	Perfluorodecanesulfonic Acid (PFDS) [10S]	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	Perfluorooctanesulfonamide (FOSA)	N-methyl perfluorooctane sulfonamide (MeFOSA)	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (EtFOSAA)	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)		
CAS Number			375-22-4	2706-90-3	307-24-4	375-85-9	335-67-1	375-95-1	335-76-2	2058-94-8	307-55-1	72629-94-8	376-06-7	375-73-5	2706-91-4	355-46-4	375-92-8	1763-23-1	68259-12-1	335-77-3	757124-72-4	27619-97-2	39108-34-4	754-91-6	31506-32-8	2991-50-6	2355-31-9	–	–
GW-1 (AGQS)							12	11								18		15										
B-103S	4/15/2024	N	<64	<32	<16	<16	<20	<16	<16	<16	<16	<16	<16	<14.2	<15	<14.6	<15.2	<14.9	<15.4	<15.4	<60	<60.7	<61.4	<16	<16	<16	<16	ND	ND
B-103S	7/23/2024	N	12.7	6.55	5.93	<2	<2	<2	<2	<2	<2	<2	<2	13.3	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4.01	<2	<2	ND	38.48
B-103D	4/15/2024	N	<64	<32	<16	<16	<20	<16	<16	<16	<16	<16	<16	<14.2	<15	<14.6	<15.2	<14.9	<15.4	<15.4	<60	<60.7	<61.4	<16	<16	<16	<16	ND	ND
B-103D	7/23/2024	N	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.79	<1.9	<1.9	ND	ND
B-304UR	7/25/2017	N	7.06	5.2	14.9	21.4	5.51	<4.05						<4.05		<4.05		<4.05										5.51	54.07
B-304UR	11/7/2017	N	25	19.8	33.2	7.72	<4.47	<4.47						10.1		<4.47		<4.47										ND	95.82
B-304UR	4/23/2018	N	52.4	20.9	28.8	18	6.26	<4.01						11.1		<4.01		<4.01										6.26	137.46
B-304UR	7/11/2018	N	40.8	17.6	32.4	29	<4.27	<4.27						22.1		<4.27		<4.27										ND	141.9
B-304UR	7/8/2019	N	30.8	14.9	21.1	9.4	4.94	<4.43						15.3		<4.43		<4.43										4.94	96.44
B-304UR	7/13/2020	N	56	32.3	55.5	18.1	**22.7**	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	37.2	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	6.44	<21.5	<4.29	<4.29	22.7	228.24
B-304UR	5/27/2021	N	10.1	15.6	22.2	11.8	**17.5**	<4.05	<4.05	<4.05	<4.05	<4.05	<4.05	<4.05	<4.05	<4.05	<5.06	<4.05	<4.05	<5.57	<4.05	<4.05	<4.56	<4.05	<20	<4.05	<5.32	17.5	77.2
B-304UR	7/7/2021	N	107	59.6	76.8	9.19	10.6	<4	<4	<4	<4	<4	<4	66.5	<4	<4	<4	<4	<4	<4	<4	<4	<4	5.33	<20	<4	<4	10.6	335.02
B-304UR	9/29/2021	N	194	128	199	63.2	**13**	<4	<4	<4	<4	<4	<4	137	4.46	13.2	<4	<4	<4	<4	<4	<4	<4	4.81	<20	<4	<4	26.2	756.67
B-304UR	11/1/2021	N	180	103	151	31.3	5.93	<4	<4	<4	<4	<4	<4	111	<4	6.51	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	12.44	588.74
B-304UR	2/22/2022	N	199	144	227	73.1	11.2	<4	<4	<4	<4	<4	<4	165	5	11.1	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	22.3	835.4
B-304UR	4/18/2022	N	8.39	9.88	15.4	13.3	**13.9**	<4	<4	<4	<4	<4	<4	4.43	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	13.9	65.3
B-304UR	6/8/2022	N	18.8	16.4	24.7	21	**26.7**	<4	<4	<4	<4	<4	<4	12	<4	5.37	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	32.07	124.97
B-304UR	7/11/2022	N	58.5	43.7	49.5	8.18	**25.9**	<4	<4	<4	<4	<4	<4	47	<4	4.19	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	30.09	236.97
B-304UR	11/2/2022	N	27	19.2	26.1	7.04	8.34	<4	<4	<4	<4	<4	<4	22.9	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	8.34	110.58
B-304UR	7/11/2023	N	14.2	15	25.2	8.7	**13.2**	<2.13	<2.13	<2.13	<2.13	<2.13	<2.13	11.4	<2.13	2.25	<2.13	<2.13	<2.13	<2.13	<2.13	<2.13	<2.13	<2.13	<4.26	<2.13	<2.13	15.45	89.95
B-304UR	11/6/2023	N	38.8	36.5	62	18.9	**20.9**	<2.86	<2.86	<2.86	<2.86	<2.86	<2.86	42.2	<2.68	<2.61	<2.71	<2.66	<2.75	<2.75	<10.7	<10.8	<11	<2.86	<2.86	<2.86	<2.86	20.9	219.3
B-304UR	4/15/2024	N	9.27	11.6	16.8	10.6	**32.4**	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	10.7	<1.55	3.61	<1.57	<1.54	<1.59	<1.59	<6.19	<6.26	<6.33	<1.65	<1.65	<1.65	<1.65	36.01	94.98
B-304UR	7/22/2024	N	82.5	43.1	53.3	91.7	**14.7**	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	39.2	4.15	**22.8**	<1.94	<1.94	<1.94	<1.94	<1.94	2.78	<1.94	<1.94	<3.87	<1.94	<1.94	37.5	354.23
B-304DR	7/25/2017	N	8.15	16.1	19.2	7.15	**18.7**	<4.11						<4.11		<4.11		<4.11										18.7	69.3
B-304DR	11/7/2017	N	14.3	25.2	32	12.5	**25**	<4.78						6.58		<4.78		<4.78										25	115.58
B-304DR	4/23/2018	N	20	31.8	38.2	15	**19.7**	<4.2						8.56		6.12		<4.2										25.82	139.38
B-304DR	7/11/2018	N	16.2	27.9	37.7	16.9	**14.9**	<4.55						10.4		6.93		<4.55										21.83	130.93
B-304DR	7/8/2019	N	8.68	10.9	14.4	7.9	6.58	<4.15						4.35		<4.15		<4.15										6.58	52.81
B-304DR	7/13/2020	N	85.4	62.1	102	20	**24.8**	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	73.8	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	<22.1	<4.41	<4.41	24.8	368.1
B-304DR	5/27/2021	N	18.7	15.8	29.3	7.24	7.21	<4.02	<4.02	<4.02	<4.02	<4.02	<4.02	16.5	<4.02	<4.02	<5.03	<4.02	<4.02	<5.53	<4.02	<4.02	<4.52	4.95	<20	<4.02	<5.28	7.21	99.7
B-304DR	7/7/2021	N	65.1	48.3	91.7	39.4	**32.5**	<4	<4	<4	<4	<4	<4	55.6	<4	7.51	<4	<4	<4	<4	<4	<4	<4	4.41	<20	<4	<4	40.01	344.52
B-304DR	9/29/2021	N	35.6	28	55.9	23.3	**24**	<4	<4	<4	<4	<4	<4	27	<4	6.8	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	30.8	200.6
B-304DR	11/1/2021	N	25	21.7	40.2	20	**23.6**	<4.04	<4.04	<4.04	<4.04	<4.04	<4.04	19.9	<4.04	6.36	<5.05	<4.04	<4.04	<5.55	<4.04	<4.04	<4.54	<4.04	<20	<5.3	<4.04	29.96	156.76
B-304DR	2/22/2022	N	20	19.5	31	22	**42.9**	<4	<4	<4	<4	<4	<4	14.9	<4	13.8	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	56.7	164.1
B-304DR	4/18/2022	N	17.6	21.2	25.6	18.1	**49.5**	<4	<4	<4	<4	<4	<4	12.2	<4	15.8	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	65.3	160
B-304DR	6/8/2022	N	16.7	15.1	20.6	14.4	**25.8**	<4	<4	<4	<4	<4	<4	11.4	<4	11.3	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	37.1	115.3
B-304DR	7/11/2022	N	27.4	25.5	29.4	24.5	**41.1**	<4	<4	<4	<4	<4	<4	15	<4	**21.2**	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	62.3	184.1
B-304DR	11/2/2022	N	19.7	21.8	26.8	18.3	**63.4**	<4	<4	<4	<4	<4	<4	12.9	<4	**18.8**	<4	<4	<4	<4	<4	6.99	<4	<4	<20	<4	<4	82.2	188.69
B-304DR	7/11/2023	N	22.5	25.6	31.6	25.4	**91.4**	<2.85	<2.85	<2.85	<2.85	<2.85	<2.85	15.9	2.88	**23.9**	<2.85	<2.85	<2.85	<2.85	<2.85	7.12	<2.85	<2.85	<5.71	<2.85	<2.85	115.3	246.3
B-304DR	11/6/2023	N	<640	<320	<160	<160	<200	<160	<160	<160	<160	<160	<160	<142	<150	<146	<152	<149	<154	<154	<600	<607	<614	<160	<160	<160	<160	ND	ND
B-304DR	12/15/2023	N	10.1	13.5	14.4	11.4	**77.6**	1.93	<1.75	<1.75	<1.75	<1.75	<1.75	5.78	<1.75	13.3	<1.75	<1.75	<1.75	<1.75	<1.75	3.83	<1.75	<1.75	<3.5	<1.75	<1.75	92.83	151.84
B-304DR	4/15/2024	N	<128	<64	<32	<32	**116**	<32	<32	<32	<32	<32	<32	<28.4	<30	<29.2	<30.4	<29.8	<30.8	<30.8	<120	<121	<123	<32	<32	<32	<32	116	116
B-304DR	7/22/2024	N	6.83	9.03	9.27	6.42	**64.1**	2.45	<1.76	<1.76	<1.76	<1.76	<1.76	3.17	<1.76	7.8	<1.76	<1.76	<1.76	<1.76	<1.76	3.24	<1.76	<1.76	<3.51	<1.76	<1.76	74.35	112.31

TABLE D.1
Summary of PFAS Groundwater Analytical Results
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Concentrations in ng/L																								
			Perfluoroalkyl Carboxylic Acids											Perfluoroalkyl Sulfonic Acids							Fluorotelomers			Perfluoroalkane Sulfonamides		Perfluoroalkane Sulfonyl Substances		Total of Regulated PFAS	Total PFAS
			Perfluorobutanoic Acid (PFBA) [3]	Perfluoropentanoic Acid (PFPeA) [4]	Perfluorohexanoic Acid (PFHxA) [5]	Perfluoroheptanoic Acid (PFHpA) [6]	Perfluorooctanoic Acid (PFOA) [7]	Perfluorononanoic Acid (PFNA) [8]	Perfluorodecanoic Acid (PFDA) [9]	Perfluoroundecanoic Acid (PFUnA) [10]	Perfluorododecanoic Acid (PFDoA) [11]	Perfluorotridecanoic Acid (PFTrA) [12]	Perfluorotetradecanoic Acid (PFTeA) [13]	Perfluorobutanesulfonic Acid (PFBS) [4S]	Perfluoropentanesulfonic Acid (PFPeS) [5S]	Perfluorohexanesulfonic Acid (PFHxS) [6S]	Perfluoroheptanesulfonic Acid (PFHpS) [7S]	Perfluorooctanesulfonic Acid (PFOS) [8S]	Perfluorononanesulfonic Acid (PFNS) [9S]	Perfluorodecanesulfonic Acid (PFDS) [10S]	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	Perfluorooctanesulfonamide (FOSA)	N-methyl perfluorooctane sulfonamide (MeFOSA)	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (EtFOSAA)	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)		
CAS Number			375-22-4	2706-90-3	307-24-4	375-85-9	335-67-1	375-95-1	335-76-2	2058-94-8	307-55-1	72629-94-8	376-06-7	375-73-5	2706-91-4	355-46-4	375-92-8	1763-23-1	68259-12-1	335-77-3	757124-72-4	27619-97-2	39108-34-4	754-91-6	31506-32-8	2991-50-6	2355-31-9	–	–
GW-1 (AGQS)							12	11								18		15										
MW-604	5/27/2021	N	<4.26	<4.26	5.82	5.37	11	<4.26	<4.26	<4.26	<4.26	<4.26	<4.26	<4.26	<4.26	<4.26	<5.33	<4.26	<4.26	<5.86	<4.26	<4.26	<4.8	16.1	<20	<4.26	<5.6	11	38.29
MW-604	7/7/2021	N	5.17	4.91	7.83	7.42	12	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	18.7	<20	<4	<4	12	56.03
MW-604	9/29/2021	N	5.12	5	7.78	6.64	10.6	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	6.85	<20	<4	<4	ND	41.99
MW-604	11/1/2021	N	4.51	5.14	7.45	6.11	10.7	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	4.3	<20	<4	<4	10.7	38.21
MW-604	2/22/2022	N	4.59	5.42	7.92	6.15	10.4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	10.4	34.48
MW-604	4/18/2022	N	4.12	4.62	6.21	5.29	11.5	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	11.5	31.74
MW-604	6/8/2022	N	5.25	4.97	7.8	6.92	11.9	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	11.9	36.84
MW-604	11/2/2022	N	4.01	4.38	6.58	5.87	11	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	11	31.84
MW-604	7/11/2023	N	<2.32	2.37	3.34	3.24	11.2	<2.32	<2.32	<2.32	<2.32	<2.32	<2.32	4.58	<2.32	<2.32	<2.32	5.72	<2.32	<2.32	<2.32	<2.32	<2.32	<2.32	<4.64	<2.32	<2.32	16.92	30.45
MW-604	11/6/2023	N	<88.9	<44.4	<22.2	<22.2	<27.8	<22.2	<22.2	<22.2	<22.2	<22.2	<22.2	<19.7	<20.8	<20.3	<21.1	<20.7	<21.4	<21.4	<83.3	<84.3	<85.3	<22.2	<22.2	<22.2	<22.2	ND	ND
MW-604	12/15/2023	N	2.94	3.35	4.24	3.61	**13.7**	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	3.02	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<3.86	<1.93	<1.93	13.7	30.86
MW-604	4/15/2024	N	<64	<32	<16	<16	<20	<16	<16	<16	<16	<16	<16	<14.2	<15	<14.6	<15.2	<14.9	<15.4	<15.4	<60	<60.7	<61.4	<16	<16	<16	<16	ND	ND
MW-604	7/22/2024	N	2.92	3.33	4.1	3.55	**16**	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	4.77	<1.96	<1.96	<1.96	2.37	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<3.93	<1.96	<1.96	18.37	37.04
MW-701	4/23/2018	N	7.14	8.12	10.7	6.93	**17.9**	<4.04						<4.04		<4.04		<4.04										17.9	50.79
MW-701	7/10/2018	N	11.4	24.4	28.4	9.54	**17.3**	<4.24						11		<4.24		6.68										23.98	108.72
MW-701	7/9/2019	N	9.96	28	24.5	8.67	**20.6**	<4.29						5.38		<4.29		<4.29										20.6	97.11
MW-701	11/4/2019	N	11.1	20.1	21.7	6.1	**16.4**	<4.52	<4.52	<4.52	<4.52	<4.52	<4.52	4.65	<4.52	<4.52	<4.52	6.65	<4.52	<4.52	<4.52	<4.52	<4.52	<4.52	<22.6	<4.52	<4.52	23.05	86.7
MW-701	1/7/2020	N	8.44	14.2	23	5.56	**14.7**	<4.62	<4.62	<4.62	<4.62	<4.62	<4.62	<4.62	<4.62	<4.62	<4.62	7.18	<4.62	<4.62	<4.62	<4.62	<4.62	<4.62	<23.1	<4.62	<4.62	21.88	73.08
MW-701	4/20/2020	N	7.21	13.7	19.2	6.19	**12.7**	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	5.86	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<22.1	<4.43	<4.43	12.7	64.86
MW-701	7/15/2020	N	7.36	13	12.9	7.14	11.5	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	5.95	<22.1	<4.41	<4.41	11.5	57.85
MW-701	11/2/2020	N	<4.49	9.86	9.42	<4.49	10.3	<4.49	<4.49	<4.49	<4.49	<4.49	<4.49	<4.49	<4.49	<4.49	<4.49	<4.49	<4.49	<4.49	<4.49	<4.49	<4.49	<4.49	<22.5	<4.49	<4.49	10.3	29.58
MW-701	1/13/2021	N	8.07	16.4	23.4	<4.4	6.62	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<20	<4.4	<4.4	6.62	54.49
MW-701	4/19/2021	N	8.58	25.2	36.2	6.77	**16**	<4.57	<4.57	<4.57	<4.57	<4.57	<4.57	<4.57	<4.57	7.22	<5.71	<4.57	<4.57	<6.28	<4.57	8.6	<5.14	<4.57	<20	<4.57	<5.99	23.22	108.57
MW-701	7/6/2021	N	6.88	14.7	25.3	5.76	**13.4**	<4	<4	<4	<4	<4	<4	<4	<4	4.86	<4	<4	<4	<4	<4	5.52	<4	4.19	<20	<4	<4	18.26	80.61
MW-701	11/1/2021	N	6.07	14.1	20.7	<4	**12.2**	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	9.04	<4	<4	<4	<4	<4	<4	<20	<4	<4	21.24	62.11
MW-701	1/6/2022	N	9.76	14.2	18.8	3.81	**12.6**	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	6.48	<1.99	<1.99	<1.99	9.56	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	<2.48	<1.99	<1.99	22.16	75.21
MW-701	4/18/2022	N	6.63	10.1	10.2	<4	5.63	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	7.60	<4	<4	<4	<4	<4	<4	<20	<4	<4	13.23	40.16
MW-701	7/12/2022	N	6.23	9.47	11.2	<4	6.8	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	6.03	<4	<4	<4	<4	<4	<4	<20	<4	<4	12.83	39.73
MW-701	11/2/2022	N	6.75	8.68	9.90	4.04	6.1	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	4.96	<4	<4	<4	<4	<4	<4	<20	<4	<4	11.06	40.43
MW-701	1/4/2023	N	6.11	6.89	8.09	<4	6.14	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	5.21	<4	<4	<4	<4	<4	<4	<20	<4	<4	11.35	32.44
MW-701	4/19/2023	N	4.38	5.4	6.55	<4	4.43	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	5.91	<4	<4	<4	<4	<4	<4	<20	<4	<4	10.34	26.67
MW-701	7/12/2023	N	8.53	12.2	16.8	2.9	5.17	<2.21	<2.21	<2.21	<2.21	<2.21	<2.21	3	<2.21	<2.21	<2.21	2.76	<2.21	<2.21	<2.21	<2.21	<2.21	3.97	<4.41	<2.21	<2.21	7.93	55.33
MW-701	11/6/2023	N	6.99	9.14	11.7	2.19	4.35	<1.61	<1.61	<1.61	<1.61	<1.61	<1.61	4.29	<1.51	<1.47	<1.53	3.65	<1.55	<1.55	<6.05	<6.12	<6.19	<1.61	<1.61	<1.61	<1.61	8	42.31
MW-701	1/2/2024	N	<6.43	10.9	13.4	2.96	5.24	<1.61	<1.61	<1.61	<1.61	<1.61	<1.61	2.41	<1.51	<1.47	<1.53	1.87	<1.55	<1.55	<6.02	<6.09	<6.16	<1.61	<1.61	<1.61	<1.61	7.11	36.78
MW-701	4/16/2024	N	<64	<32	<16	<16	<20	<16	<16	<16	<16	<16	<16	<14.2	<15	<14.6	<15.2	<14.9	<15.4	<15.4	<60	<60.7	<61.4	<16	<16	<16	<16	ND	ND
MW-701	7/23/2024	N	3.97	4.85	5.98	2.38	5.83	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	5.39	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<3.89	<1.94	<1.94	11.22	28.4
MW-802	7/25/2017	N	4.77	5.81	10.7	<4.27	**16.7**	<4.27						<4.27		4.34		<4.27										21.04	42.32
MW-802	11/7/2017	N	<4.68	<4.68	6.74	<4.68	<4.68	<4.68						<4.68		<4.68		<4.68										ND	6.74
MW-802	4/23/2018	N	7.95	9.81	18.3	5.55	11	<4.19						<4.19		<4.19		<4.19										11	52.61
MW-802	7/11/2018	N	7.9	14.1	27.4	9.11	7.13	<4.23						<4.23		<4.23		<4.23										7.13	65.64
MW-802	7/8/2019	N	8.58	15.8	23.2	8.34	**14.2**	<4.22						<4.22		<4.22		<4.22										14.2	70.12
MW-802	7/15/2020	N	6.13	11.4	14.2	6.77	10.3	<4.81	<4.81	<4.81	<4.81	<4.81	<4.81	<4.81	<4.81	<4.81	<4.81	<4.81	<4.81	<4.81	<4.81	<4.81	<4.81	9.31	<24	<4.81	<4.81	10.3	58.11
MW-802	7/7/2021	N	8.06	15.4	16.4	5.98	6.47	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	6.47	52.31

TABLE D.1
Summary of PFAS Groundwater Analytical Results
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Concentrations in ng/L																									
			Perfluoroalkyl Carboxylic Acids											Perfluoroalkyl Sulfonic Acids							Fluorotelomers			Perfluoroalkane Sulfonamides		Perfluoroalkane Sulfonyl Substances		Total of Regulated PFAS	Total PFAS
			Perfluorobutanoic Acid (PFBA) [3]	Perfluoropentanoic Acid (PFPeA) [4]	Perfluorohexanoic Acid (PFHxA) [5]	Perfluoroheptanoic Acid (PFHpA) [6]	Perfluorooctanoic Acid (PFOA) [7]	Perfluorononanoic Acid (PFNA) [8]	Perfluorodecanoic Acid (PFDA) [9]	Perfluoroundecanoic Acid (PFUnA) [10]	Perfluorododecanoic Acid (PFDoA) [11]	Perfluorotridecanoic Acid (PFTrA) [12]	Perfluorotetradecanoic Acid (PFTeA) [13]	Perfluorobutanesulfonic Acid (PFBS) [4S]	Perfluoropentanesulfonic Acid (PFPeS) [5S]	Perfluorohexanesulfonic Acid (PFHxS) [6S]	Perfluoroheptanesulfonic Acid (PFHpS) [7S]	Perfluorooctanesulfonic Acid (PFOS) [8S]	Perfluorononanesulfonic Acid (PFNS) [9S]	Perfluorodecanesulfonic Acid (PFDS) [10S]	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	Perfluorooctanesulfonamide (FOSA)	N-methyl perfluorooctane sulfonamide (MeFOSA)	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (EtFOSAA)	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)		
CAS Number			375-22-4	2706-90-3	307-24-4	375-85-9	335-67-1	375-95-1	335-76-2	2058-94-8	307-55-1	72629-94-8	376-06-7	375-73-5	2706-91-4	355-46-4	375-92-8	1763-23-1	68259-12-1	335-77-3	757124-72-4	27619-97-2	39108-34-4	754-91-6	31506-32-8	2991-50-6	2355-31-9	–	–
GW-1 (AGQS)							**12**	**11**								**18**		**15**										
MW-802	7/11/2022	N	8.14	14.8	17	7.83	4.52	<4	<4	<4	<4	<4	<4	4.34	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	4.52	56.63
MW-802	7/12/2023	N	3.32	5.45	8.05	4.33	3.39	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	3.33	<2.28	3.07	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	<4.57	<2.28	<2.28	6.46	30.94
MW-802	7/23/2024	N	8.42	17.8	20.1	12	**24.2**	<2.02	<2.02	<2.02	<2.02	<2.02	<2.02	5.01	<2.02	3.82	<2.02	<2.02	<2.02	<2.02	<2.02	<2.02	<2.02	<2.02	<4.04	<2.02	<2.02	28.02	91.35
MW-803	7/25/2017	N	8.51	11.6	17.9	6.32	<4.16	<4.16						<4.16		<4.16		<4.16										ND	44.33
MW-803	5/27/2021	N	6.64	10.8	16.1	11.3	7.07	<4.18	<4.18	<4.18	<4.18	<4.18	<4.18	<4.18	<4.18	<4.18	<5.23	<4.18	<4.18	<5.75	<4.18	<4.18	<4.71	10	<20	<4.18	<5.49	7.07	61.91
MW-803	7/7/2021	N	7.01	11.5	13.9	13.3	7.73	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	17.9	<20	<4	<4	7.73	71.34
MW-803	9/29/2021	N	5.88	8.63	15.8	6.63	6.35	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	10.8	<20	<4	<4	6.35	54.09
MW-803	11/1/2021	N	5.34	7.77	14.3	5.5	5.8	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	7.26	<20	<4	<4	5.8	45.97
MW-803	7/23/2024	N	10	15.4	21.5	25.7	**64**	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	4.66	<1.98	8.77	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<3.97	<1.98	<1.98	72.77	150.03
B-915U	7/25/2017	N	10.5	13.9	15.1	4.58	8.26	<4.15						<4.15		<4.15		<4.15										8.26	52.34
B-915U	11/7/2017	N	13	18	19.8	5.58	**14.2**	<4.58						8.38		<4.58		<4.58										14.2	78.96
B-915U	4/23/2018	N	12.2	12.6	13.2	5.79	**12.6**	<4.16						5.72		<4.16		<4.16										12.6	62.11
B-915U	7/9/2018	N	8.26	10.6	11.5	5	8.26	<4.5						<4.5		<4.5		<4.5										8.26	43.62
B-915U	7/9/2019	N	8.64	13.8	14.5	5.38	6.54	<4.3						<4.3		<4.3		<4.3										6.54	48.86
B-915U	7/15/2020	N	8.94	16.3	17.7	5.48	**14.5**	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41	5.29	<4.41	<4.41	<4.41	<4.41	<4.41	6.12	<22	<4.41	<4.41	19.79	74.33
B-915U	7/6/2021	N	12.4	17.3	22.1	5.62	6.69	<4	<4	<4	<4	<4	<4	19.7	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	6.69	83.81
B-915U	7/12/2022	N	5.79	5.62	7.05	<4	4.4	<4	<4	<4	<4	<4	<4	9.76	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	4.4	32.62
B-915U	7/11/2023	N	7.67	6.97	11.0	2.69	4.23	<2.41	<2.41	<2.41	<2.41	<2.41	<2.41	5.57	<2.41	<2.41	<2.41	<2.41	<2.41	<2.41	<2.41	<2.41	<2.41	<2.41	<4.82	<2.41	<2.41	4.23	38.13
B-915U	7/23/2024	N	16.8	30	29.6	6.47	10.3	<2.02	<2.02	<2.02	<2.02	<2.02	<2.02	17.3	<2.02	<2.02	<2.02	<2.02	<2.02	<2.02	<2.02	<2.02	<2.02	<2.02	<4.04	<2.02	<2.02	10.3	110.47
B-915M	11/7/2017	N	<4.40	<4.40	<4.40	<4.40	<4.40	<4.40						<4.40		<4.40		<4.40										ND	ND
B-915M	4/23/2018	N	<4.13	<4.13	<4.13	<4.13	4.54	<4.13						<4.13		<4.13		<4.13										4.54	4.54
B-915M	7/9/2018	N	<4.23	<4.23	<4.23	<4.23	<4.23	<4.23						<4.23		<4.23		<4.23										ND	ND
B-915M	7/9/2019	N	<4.24	<4.24	<4.24	<4.24	<4.24	<4.24						<4.24		<4.24		<4.24										ND	ND
B-915M	7/15/2020	N	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	5.43	<22.1	<4.43	<4.43	ND	5.43
B-915M	7/6/2021	N	<4	4.13	5.4	<4	4.94	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	4.94	14.47
B-915M	7/12/2022	N	4.05	5.37	5.78	<4	4.54	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	4.54	19.74
B-915M	7/11/2023	N	3.33	4.67	4.97	<2.21	4.20	<2.21	<2.21	<2.21	<2.21	<2.21	<2.21	2.44	<2.21	<2.21	<2.21	<2.21	<2.21	<2.21	<2.21	<2.21	<2.21	<2.21	<4.41	<2.21	<2.21	4.2	19.61
B-915M	7/23/2024	N	4.22	4.28	4.69	<2.04	4.2	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	2.5	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	<4.09	<2.04	<2.04	4.2	19.89
B-915D	11/7/2017	N	<4.35	<4.35	<4.35	<4.35	<4.35	<4.35						<4.35		<4.35		<4.35										ND	ND
B-915D	4/23/2018	N	<4.28	<4.28	<4.28	<4.28	<4.28	<4.28						<4.28		<4.28		<4.28										ND	ND
B-916U	7/23/2024	N	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<3.81	<1.91	<1.91	ND	ND
B-916M	7/23/2024	N	3.39	3.29	4.27	<1.96	2.14	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<3.91	<1.96	<1.96	2.14	13.09
B-917U	7/22/2024	N	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<3.89	<1.94	<1.94	ND	ND
B-909	7/22/2024	N	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<3.02	<1.51	<1.51	ND	ND
B-918U	7/9/2018	N	<4.35	<4.35	<4.35	<4.35	<4.35	<4.35						<4.35		<4.35		<4.35										ND	ND
B-918U	8/27/2018	N	<4.31	<4.31	<4.31	<4.31	<4.31	<4.31						<4.31		<4.31		<4.31										ND	ND

TABLE D.1
Summary of PFAS Groundwater Analytical Results
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Concentrations in ng/L																										
			Perfluoroalkyl Carboxylic Acids											Perfluoroalkyl Sulfonic Acids							Fluorotelomers			Perfluoroalkane Sulfonamides		Perfluoroalkane Sulfonyl Substances		Total of Regulated PFAS	Total PFAS
			Perfluorobutanoic Acid (PFBA) [3]	Perfluoropentanoic Acid (PFPeA) [4]	Perfluorohexanoic Acid (PFHxA) [5]	Perfluoroheptanoic Acid (PFHpA) [6]	Perfluorooctanoic Acid (PFOA) [7]	Perfluorononanoic Acid (PFNA) [8]	Perfluorodecanoic Acid (PFDA) [9]	Perfluoroundecanoic Acid (PFUnA) [10]	Perfluorododecanoic Acid (PFDoA) [11]	Perfluorotridecanoic Acid (PFTrA) [12]	Perfluorotetradecanoic Acid (PFTeA) [13]	Perfluorobutanesulfonic Acid (PFBS) [4S]	Perfluoropentanesulfonic Acid (PFPeS) [5S]	Perfluorohexanesulfonic Acid (PFHxS) [6S]	Perfluoroheptanesulfonic Acid (PFHpS) [7S]	Perfluorooctanesulfonic Acid (PFOS) [8S]	Perfluorononanesulfonic Acid (PFNS) [9S]	Perfluorodecanesulfonic Acid (PFDS) [10S]	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	Perfluorooctanesulfonamide (FOSA)	N-methyl perfluorooctane sulfonamide (MeFOSA)	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (EtFOSAA)	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)		
CAS Number			375-22-4	2706-90-3	307-24-4	375-85-9	335-67-1	375-95-1	335-76-2	2058-94-8	307-55-1	72629-94-8	376-06-7	375-73-5	2706-91-4	355-46-4	375-92-8	1763-23-1	68259-12-1	335-77-3	757124-72-4	27619-97-2	39108-34-4	754-91-6	31506-32-8	2991-50-6	2355-31-9	–	–
GW-1 (AGQS)							12	11								18		15											
B-918U	7/9/2019	N	<4.21	<4.21	<4.21	<4.21	<4.21	<4.21						<4.21		<4.21		<4.21										ND	ND
B-918U	7/15/2020	N	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<22.3	<4.47	<4.47	ND	ND
B-918U	7/6/2021	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-918U	7/12/2022	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-918U	7/11/2023	N	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<4.32	<2.16	<2.16	ND	ND
B-918U	7/22/2024	N	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<3.87	<1.93	<1.93	ND	ND
B-918M	7/9/2018	N	23.7	38.3	51.5	23	**64**	8.72						9.33		11.3		12.6										96.62	242.45
B-918M	8/27/2018	N	23.7	35.9	47.2	19.3	**52**	6.71						7.19		7.71		10.3										76.72	210.01
B-918M	11/5/2018	N	13.5	23.7	33.2	14.2	**42.9**	6.13						5.54		6.02		10.7										65.75	155.89
B-918M	4/22/2019	N	9.7	14	21	9.6	**27**	6.6	<1.7	<1.7	<1.7	<0.86	<0.86	3.1	<1.7	3.8	<1.7	8.6	<1.7	<1.7	<2.6	<1.7	<5.2	<2.6	<7.8	<2.6	<2.6	46	103.4
B-918M	7/9/2019	FD	6.6	10.5	15.5	7.62	**17.3**	<4.61						<4.61		<4.61		4.85										22.15	62.37
B-918M	7/9/2019	N	6.8	11.7	15.9	7.28	**19.3**	<4.36						<4.36		<4.36		5										24.3	65.98
B-918M	11/4/2019	N	8.15	13.5	16.8	9.71	**28.4**	5.7	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	5.23	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	<21.8	<4.37	<4.37	39.33	87.49
B-918M	1/7/2020	N	4.9	7.6	11.2	<4.22	**14.3**	<4.22	<4.22	<4.22	<4.22	<4.22	<4.22	<4.22	<4.22	<4.22	<4.22	5.14	<4.22	<4.22	<4.22	<4.22	<4.22	<4.22	<21.1	<4.22	<4.22	19.44	43.14
B-918M	4/20/2020	N	<4.35	4.71	7.02	<4.35	9.55	<4.35	<4.35	<4.35	<4.35	<4.35	<4.35	<4.35	<4.35	<4.35	<4.35	4.42	<4.35	<4.35	<4.35	<4.35	<4.35	<4.35	<21.8	<4.35	<4.35	13.97	25.7
B-918M	7/15/2020	FD	<4.34	5.53	6.51	<4.34	9.24	<4.34	<4.34	<4.34	<4.34	<4.34	<4.34	<4.34	<4.34	<4.34	<4.34	<4.34	<4.34	<4.34	<4.34	<4.34	<4.34	<4.34	<21.7	<4.34	<4.34	9.24	21.28
B-918M	7/15/2020	N	<4.47	6.09	7.18	<4.47	8.72	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<4.47	<22.4	<4.47	<4.47	8.72	21.99
B-918M	11/2/2020	N	6.56	14.2	17.9	7.76	**25.1**	4.93	<4.23	<4.23	<4.23	<4.23	<4.23	<4.23	<4.23	<4.23	<4.23	7.67	<4.23	<4.23	<4.23	<4.23	<4.23	<4.23	<21.1	<4.23	<4.23	37.7	84.12
B-918M	1/13/2021	N	4.92	8.88	13.5	5.35	**17.9**	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	6.76	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<20	<4.39	<4.39	24.66	57.31
B-918M	4/19/2021	N	8.31	14.1	20.2	8.38	**29**	4.53	<4.22	<4.22	<4.22	<4.22	<4.22	<4.22	<4.22	<4.22	<5.27	5.22	<4.22	<5.8	<4.22	<4.22	<4.75	<4.22	<20	<4.22	<5.54	38.75	89.74
B-918M	7/6/2021	N	11.2	20.8	28.4	11.4	**40.4**	6.91	<4	<4	<4	<4	<4	4.81	<4	5.66	<4	9.65	<4	<4	<4	<4	<4	<4	<20	<4	<4	62.62	139.23
B-918M	7/6/2021	FD	12	21.4	26.4	13.2	**39.1**	6.44	<4	<4	<4	<4	<4	4.23	<4	5.55	<4	9.04	<4	<4	<4	<4	<4	<4	<20	<4	<4	60.13	137.36
B-918M	11/2/2021	N	8.25	14.4	19.7	8.6	**29.2**	5.33	<4	<4	<4	<4	<4	<4	<4	4.04	<4	6.97	<4	<4	<4	<4	<4	<4	<20	<4	<4	45.54	96.49
B-918M	11/2/2021	FD	8.16	14	18.5	8.32	**27.8**	4.72	<4	<4	<4	<4	<4	<4	<4	4.79	<4	7.3	<4	<4	<4	<4	<4	<4	<20	<4	<4	44.61	93.59
B-918M	1/6/2022	N	7.86	13.6	17.7	7.76	**26.9**	4.53	<1.99	<1.99	<1.99	<1.99	<1.99	3.37	<1.99	4.07	<1.99	7.75	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	<2.48	<1.99	<1.99	43.25	93.54
B-918M	4/18/2022	N	12.0	21.2	29.7	12.5	**44.2**	6.52	<4	<4	<4	<4	<4	4.93	<4	5.39	<4	10.5	<4	<4	<4	<4	<4	<4	<20	<4	<4	66.61	146.94
B-918M	7/12/2022	N	12.6	20.5	27.3	13.0	**40.6**	6.71	<4	<4	<4	<4	<4	5.37	<4	6.13	<4	10.6	<4	<4	<4	<4	<4	<4	<20	<4	<4	64.04	142.81
B-918M	7/12/2022	FD	12.2	21.9	28.5	12.7	**43.7**	6.3	<4	<4	<4	<4	<4	5.20	<4	6.11	<4	10.1	<4	<4	<4	<4	<4	<4	<20	<4	<4	66.21	146.71
B-918M	11/2/2022	N	10.1	18.1	24.1	11.9	**34.9**	5.83	<4	<4	<4	<4	<4	<4	<4	<4	<4	9.59	<4	<4	<4	<4	<4	<4	<20	<4	<4	50.32	114.52
B-918M	1/4/2023	N	6.40	10.0	12.4	6.27	**20.4**	4.06	<4	<4	<4	<4	<4	<4	<4	4.08	<4	6.73	<4	<4	<4	<4	<4	<4	<20	<4	<4	35.27	70.34
B-918M	4/19/2023	N	<4	5.81	7.51	4.00	**12.9**	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	5.35	<4	<4	<4	<4	<4	<4	<20	<4	<4	18.25	35.57
B-918M	7/11/2023	N	<2.16	3.17	4.25	2.40	6.15	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<2.16	<4.31	<2.16	<2.16	6.15	15.97
B-918M	7/11/2023	FD	<2.21	3.09	4.06	2.36	5.89	<2.21	<2.21	<2.21	<2.21	<2.21	<2.21	<2.21	<2.21	<2.21	<2.21	<2.21	<2.21	<2.21	<2.21	<2.21	<2.21	<2.21	<4.41	<2.21	<2.21	5.89	15.4
B-918M	11/6/2023	N	<6.31	<3.15	3.38	2.49	6.06	<1.58	<1.58	<1.58	<1.58	<1.58	<1.58	<1.4	<1.48	1.51	<1.5	2.1	<1.52	<1.52	<5.91	<5.98	<6.05	<1.58	<1.58	<1.58	<1.58	9.67	15.54
B-918M	1/2/2024	N	<6.44	<3.22	3.19	2.2	5.13	<1.61	<1.61	<1.61	<1.61	<1.61	<1.61	<1.43	<1.51	<1.47	<1.53	1.8	<1.55	<1.55	<6.04	<6.11	<6.18	<1.61	<1.61	<1.61	<1.61	6.93	12.32
B-918M	4/16/2024	N	<6.3	<3.15	2.31	1.85	3.90	<1.58	<1.58	<1.58	<1.58	<1.58	<1.58	<1.4	<1.48	<1.44	<1.5	<1.47	<1.52	<1.52	<5.91	<5.98	<6.05	<1.58	<1.58	<1.58	<1.58	3.9	8.06
B-918M	7/22/2024	N	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<3.9	<1.95	<1.95	ND	ND
B-918M	7/22/2024	FD	<1.97	<1.97	<1.97	<1.97	2.21	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<3.93	<1.97	<1.97	2.21	2.21
B-918D	8/27/2018	N	<4.21	<4.21	<4.21	<4.21	<4.21	<4.21						<4.21		<4.21		<4.21										ND	ND
B-918D	7/9/2019	N	<4.35	<4.35	<4.35	<4.35	<4.35	<4.35						<4.35		<4.35		<4.35										ND	ND
B-918D	7/6/2021	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-918D	7/11/2023	N	<2.44	<2.44	<2.44	<2.44	<2.44	<2.44	<2.44	<2.44	<2.44	<2.44	<2.44	<2.44	<2.44	<2.44	<2.44	<2.44	<2.44	<2.44	<2.44	<2.44	<2.44	<2.44	<4.87	<2.44	<2.44	ND	ND
B-919U	11/7/2017	N	8.92	14	18.7	8.27	**54.3**	<4.38						4.38		10.6		<4.38										64.9	110.25

TABLE D.1
Summary of PFAS Groundwater Analytical Results
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Concentrations in ng/L																									
			Perfluoroalkyl Carboxylic Acids											Perfluoroalkyl Sulfonic Acids							Fluorotelomers			Perfluoroalkane Sulfonamides		Perfluoroalkane Sulfonyl Substances		Total of Regulated PFAS	Total PFAS
			Perfluorobutanoic Acid (PFBA) [3]	Perfluoropentanoic Acid (PFPeA) [4]	Perfluorohexanoic Acid (PFHxA) [5]	Perfluoroheptanoic Acid (PFHpA) [6]	Perfluorooctanoic Acid (PFOA) [7]	Perfluorononanoic Acid (PFNA) [8]	Perfluorodecanoic Acid (PFDA) [9]	Perfluoroundecanoic Acid (PFUnA) [10]	Perfluorododecanoic Acid (PFDoA) [11]	Perfluorotridecanoic Acid (PFTrA) [12]	Perfluorotetradecanoic Acid (PFTeA) [13]	Perfluorobutanesulfonic Acid (PFBS) [4S]	Perfluoropentanesulfonic Acid (PFPeS) [5S]	Perfluorohexanesulfonic Acid (PFHxS) [6S]	Perfluoroheptanesulfonic Acid (PFHpS) [7S]	Perfluorooctanesulfonic Acid (PFOS) [8S]	Perfluorononanesulfonic Acid (PFNS) [9S]	Perfluorodecanesulfonic Acid (PFDS) [10S]	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	Perfluorooctanesulfonamide (FOSA)	N-methyl perfluorooctane sulfonamide (MeFOSA)	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (EtFOSAA)	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)		
CAS Number			375-22-4	2706-90-3	307-24-4	375-85-9	335-67-1	375-95-1	335-76-2	2058-94-8	307-55-1	72629-94-8	376-06-7	375-73-5	2706-91-4	355-46-4	375-92-8	1763-23-1	68259-12-1	335-77-3	757124-72-4	27619-97-2	39108-34-4	754-91-6	31506-32-8	2991-50-6	2355-31-9	–	–
GW-1 (AGQS)							**12**	**11**								**18**		**15**											
B-919U	4/23/2018	N	7.48	8.46	6.52	4.27	**23.4**	<4.12						4.37		<4.12		<4.12										23.4	47.02
B-919U	7/9/2018	N	9.06	12	13.2	6.67	**20.6**	<4.38						<4.38		<4.38		<4.38										20.6	52.47
B-919U	7/8/2019	N	9.56	9.07	9.88	5.74	**14.1**	<4.3						<4.3		<4.3		<4.3										14.1	38.79
B-919U	7/13/2020	N	6.51	9.14	10.4	<4.38	**25.4**	<4.38	<4.38	<4.38	<4.38	<4.38	<4.38	<4.38	<4.38	<4.38	<4.38	<4.38	<4.38	<4.38	<4.38	<4.38	<4.38	<21.9	<4.38	<4.38	25.4	44.94
B-919U	5/27/2021	N	5.1	7	7.98	<4.19	**24.5**	<4.19	<4.19	<4.19	<4.19	<4.19	<4.19	4.36	<4.19	<4.19	<5.24	<4.19	<4.19	<5.76	<4.19	<4.19	<4.71	<4.19	<20	<4.19	<5.5	24.5	43.84
B-919U	7/7/2021	N	7.78	9.41	11.7	6.38	**27.9**	<4	<4	<4	<4	<4	<4	4.61	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	27.9	60
B-919U	9/29/2021	N	7.31	8.41	11.4	6.59	**24.5**	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	24.5	50.9
B-919U	11/1/2021	N	6.52	6.96	9.31	6.14	**23.7**	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	23.7	52.63
B-919U	2/22/2022	N	13.7	17.2	23	9.88	**25.4**	<4	<4	<4	<4	<4	<4	13	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	25.4	88.48
B-919U	4/18/2022	N	10.8	13.1	18.2	8.81	**22.0**	<4	<4	<4	<4	<4	<4	8.91	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	22	81.82
B-919U	6/8/2022	N	9	9.46	12.8	8.68	**20.1**	<4	<4	<4	<4	<4	<4	9.93	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	20.1	60.97
B-919U	7/11/2022	N	7.6	8.61	12.4	10.2	**27.1**	<4	<4	<4	<4	<4	<4	10.4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	27.1	76.31
B-919U	11/2/2022	N	10.8	15.6	19.9	13.1	**23.4**	<4	<4	<4	<4	<4	<4	14.8	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	23.4	97.6
B-919U	7/11/2023	N	5.46	6.09	11.2	8.44	**23.7**	2.80	<2.11	<2.11	<2.11	<2.11	<2.11	9.00	<2.11	3.19	<2.11	<2.11	<2.11	<2.11	<2.11	<2.11	<2.11	<2.11	<4.23	<2.11	<2.11	29.69	69.88
B-919U	7/22/2024	N	8.7	5.74	8.31	6.61	**32.3**	3.47	<1.93	<1.93	<1.93	<1.93	<1.93	9.56	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<3.87	<1.93	<1.93	35.77	74.69
B-919M	11/7/2017	N	<4.76	6.16	<4.76	<4.76	<4.76	<4.76						<4.76		<4.76		<4.76										ND	6.16
B-919M	4/23/2018	N	<4.2	4.5	4.75	<4.2	<4.2	<4.2						<4.2		<4.2		<4.2										ND	9.25
B-919M	7/10/2018	N	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5						<4.5		<4.5		<4.5										ND	ND
B-919M	7/9/2019	N	<4.44	<4.44	<4.44	<4.44	<4.44	<4.44						<4.44		<4.44		<4.44										ND	ND
B-919M	7/15/2020	N	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	<4.29	<21.5	<4.29	<4.29	ND	ND
B-919M	5/27/2021	N	<4.03	<4.03	<4.03	<4.03	<4.03	<4.03	<4.03	<4.03	<4.03	<4.03	<4.03	<4.03	<4.03	<4.03	<5.03	<4.03	<4.03	<5.54	<4.03	<4.03	<4.53	<4.12	<20	<4.03	<5.29	ND	ND
B-919M	7/7/2021	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-919M	9/29/2021	N	<4	<4	<4	<4	5.51	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	5.51	5.51
B-919M	11/2/2021	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-919M	2/22/2022	N	<4	<4	<4	<4	5.97	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	5.97	5.97
B-919M	4/18/2022	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-919M	6/8/2022	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-919M	7/11/2022	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-919M	11/2/2022	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-919M	7/11/2023	N	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	<2.28	<4.55	<2.28	<2.28	ND	ND
B-919M	7/22/2024	N	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<3.94	<1.97	<1.97	ND	ND
B-919D	11/7/2017	N	<4.59	<4.59	<4.59	<4.59	<4.59	<4.59						<4.59		<4.59		<4.59										ND	ND
B-919D	4/23/2018	N	<4.22	<4.22	<4.22	<4.22	<4.22	<4.22						<4.22		<4.22		<4.22										ND	ND
B-919D	7/8/2019	N	<4.26	<4.26	<4.26	<4.26	<4.26	<4.26						<4.26		<4.26		<4.26										ND	ND
B-919D	5/27/2021	N	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<5.12	<4.1	<4.1	<5.63	<4.1	<4.1	<4.61	<4.1	<20	<4.1	<5.38	ND	ND
B-919D	7/7/2021	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-919D	9/29/2021	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-919D	11/1/2021	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-919D	2/22/2022	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-919D	4/18/2022	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-919D	6/8/2022	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-919D	11/2/2022	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-919D	7/11/2023	N	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<4.44	<2.22	<2.22	ND	ND

TABLE D.1
Summary of PFAS Groundwater Analytical Results
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Concentrations in ng/L																									
			Perfluoroalkyl Carboxylic Acids											Perfluoroalkyl Sulfonic Acids							Fluorotelomers			Perfluoroalkane Sulfonamides		Perfluoroalkane Sulfonyl Substances		Total of Regulated PFAS	Total PFAS
			Perfluorobutanoic Acid (PFBA) [3]	Perfluoropentanoic Acid (PFPeA) [4]	Perfluorohexanoic Acid (PFHxA) [5]	Perfluoroheptanoic Acid (PFHpA) [6]	Perfluorooctanoic Acid (PFOA) [7]	Perfluorononanoic Acid (PFNA) [8]	Perfluorodecanoic Acid (PFDA) [9]	Perfluoroundecanoic Acid (PFUnA) [10]	Perfluorododecanoic Acid (PFDoA) [11]	Perfluorotridecanoic Acid (PFTrA) [12]	Perfluorotetradecanoic Acid (PFTeA) [13]	Perfluorobutanesulfonic Acid (PFBS) [4S]	Perfluoropentanesulfonic Acid (PFPeS) [5S]	Perfluorohexanesulfonic Acid (PFHxS) [6S]	Perfluoroheptanesulfonic Acid (PFHpS) [7S]	Perfluorooctanesulfonic Acid (PFOS) [8S]	Perfluorononanesulfonic Acid (PFNS) [9S]	Perfluorodecanesulfonic Acid (PFDS) [10S]	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	Perfluorooctanesulfonamide (FOSA)	N-methyl perfluorooctane sulfonamide (MeFOSA)	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (EtFOSAA)	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)		
CAS Number			375-22-4	2706-90-3	307-24-4	375-85-9	335-67-1	375-95-1	335-76-2	2058-94-8	307-55-1	72629-94-8	376-06-7	375-73-5	2706-91-4	355-46-4	375-92-8	1763-23-1	68259-12-1	335-77-3	757124-72-4	27619-97-2	39108-34-4	754-91-6	31506-32-8	2991-50-6	2355-31-9	–	–
GW-1 (AGQS)							**12**	**11**								**18**		**15**												
B-923U	7/10/2018	N	<4.27	<4.27	<4.27	<4.27	<4.27	<4.27						<4.27		<4.27		<4.27											ND	ND
B-923U	7/12/2022	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-923U	7/23/2024	N	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<3.94	<1.97	<1.97	ND	ND
B-924U	7/25/2017	N	<4.33	<4.33	<4.33	<4.33	<4.33	<4.33						<4.33		<4.33		<4.33										ND	ND
B-924U	7/9/2019	N	<4.33	<4.33	<4.33	<4.33	<4.33	<4.33						<4.33		<4.33		<4.33										ND	ND
B-924U	7/7/2021	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	4.1	<20	<4	<4	ND	4.1
B-924U	9/29/2021	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-924U	7/12/2023	N	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<4.43	<2.22	<2.22	ND	ND
B-925U	7/16/2020	N	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<4.46	<22.3	<4.46	<4.46	ND	ND
B-926U	7/23/2024	N	3.95	4.74	10.2	17	**44.6**	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	2.37	<2.05	4.41	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<4.11	<2.05	<2.05	49.01	87.27
B-926L	7/23/2024	N	4.14	4.74	5.89	<1.97	2.74	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<3.94	<1.97	<1.97	2.74	17.51
B-927U	7/22/2024	N	14.3	13.9	13.9	2.52	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	6.41	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<3.93	<1.97	<1.97	ND	51.03
B-927M	7/9/2018	N	<5.45	<5.45	<5.45	<5.45	<5.45	<5.45						<5.45		<5.45		<5.45										ND	ND
B-927M	8/5/2019	N	<4	<4	<4	<4	<4	<4						<4		<4		<4										ND	ND
B-927M	7/13/2020	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	11.2 JL	<20	<4	<4	ND	11.2
B-927M	7/5/2021	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-927M	7/11/2022	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-927M	7/11/2023	N	<3.36	<3.36	<3.36	<3.36	<3.36	<3.36	<3.36	<3.36	<3.36	<3.36	<3.36	<3.36	<3.36	<3.36	<3.36	<3.36	<3.36	<3.36	<3.36	<3.36	<3.36	<3.36	<6.72	<3.36	<3.36	ND	ND
B-927M	7/22/2024	N	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<3.34	<1.67	<1.67	ND	ND
B-928U	9/29/2021	N	21.5	12.7	19.8	5.85	<4	<4	<4	<4	<4	<4	<4	14	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	73.85
B-928U	11/1/2021	N	16.2	9.41	13.5	5.79	<4	<4	<4	<4	<4	<4	<4	9.62	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	54.52
B-928U	2/22/2022	N	27.2	19	26.7	8.97	7.39	<4	<4	<4	<4	<4	<4	17.6	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	7.39	106.86
B-928U	4/18/2022	N	17.7	12.5	17.9	9.25	11.4	<4	<4	<4	<4	<4	<4	12.9	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	11.4	81.65
B-928U	6/8/2022	N	20.5	13.4	19.3	9.83	**15.4**	<4	<4	<4	<4	<4	<4	13.4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	15.4	91.83
B-928U	11/2/2022	N	13.3	13.2	18	13.3	**19.1**	<4	<4	<4	<4	<4	<4	10.4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	19.1	87.3
B-928U	7/11/2023	N	8.05	7.69	12.2	7.19	**15.1**	<2.43	<2.43	<2.43	<2.43	<2.43	<2.43	8.68	<2.43	<2.43	<2.43	<2.43	<2.43	<2.43	<2.43	<2.43	<2.43	<2.43	<4.86	<2.43	<2.43	15.1	58.91
B-928U	11/6/2023	N	7.84	8.95	11.5	7.18	**15.3**	<1.66	<1.66	<1.66	<1.66	<1.66	<1.66	7.84	<1.56	<1.51	<1.58	<1.54	<1.6	<1.6	<6.22	<6.29	<6.37	<1.66	<1.66	<1.66	<1.66	15.3	58.61
B-928U	4/15/2024	N	<64	<32	<16	<16	<20	<16	<16	<16	<16	<16	<16	<14.2	<15	<14.6	<15.2	<14.9	<15.4	<15.4	<60	<60.7	<61.4	<16	<16	<16	<16	ND	ND
B-928U	7/22/2024	N	7.23	6.35	9.01	5.97	11.9	<2.01	<2.01	<2.01	<2.01	<2.01	<2.01	5.73	<2.01	<2.01	<2.01	<2.01	<2.01	<2.01	<2.01	<2.01	<2.01	<2.01	<4.03	<2.01	<2.01	11.9	46.19
B-928D	9/29/2021	N	18.2	24.1	34.2	9.44	<4	<4	<4	<4	<4	<4	<4	11.4	<4	<4	<4	<4	<4	<4	<4	<4	<4	4.12	<20	<4	<4	ND	101.46
B-928D	11/1/2021	N	29.2	21.7	29.3	6.65	<4	<4	<4	<4	<4	<4	<4	17.5	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	104.35
B-928D	2/22/2022	N	31.6	22.2	33.5	9.14	4.98	<4	<4	<4	<4	<4	<4	23.7	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	4.98	125.12
B-928D	4/18/2022	N	33.6	24.6	34.6	9.20	5.59	<4	<4	<4	<4	<4	<4	25.9	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	5.59	133.49
B-928D	6/8/2022	N	33.5	21.4	26.4	9.77	6.47	<4	<4	<4	<4	<4	<4	22.9	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	6.47	120.44
B-928D	11/2/2022	N	25.1	16.3	20.8	8.39	8.49	<4	<4	<4	<4	<4	<4	14.7	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	8.49	93.78
B-928D	7/11/2023	N	10.5	7.34	10.9	5.76	9.17	<2.48	<2.48	<2.48	<2.48	<2.48	<2.48	8.09	<2.48	<2.48	<2.48	<2.48	<2.48	<2.48	<2.48	<2.48	<2.48	<2.48	<4.96	<2.48	<2.48	9.17	51.76
B-928D	11/6/2023	N	<2130	<1070	<533	<533	<667	<533	<533	<533	<533	<533	<533	<473	<500	<487	<507	<497	<513	<513	<2000	<2020	<2050	<533	<533	<533	<533	ND	ND

TABLE D.1
Summary of PFAS Groundwater Analytical Results
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Concentrations in ng/L																									
			Perfluoroalkyl Carboxylic Acids											Perfluoroalkyl Sulfonic Acids							Fluorotelomers			Perfluoroalkane Sulfonamides		Perfluoroalkane Sulfonyl Substances		Total of Regulated PFAS	Total PFAS
			Perfluorobutanoic Acid (PFBA) [3]	Perfluoropentanoic Acid (PFPeA) [4]	Perfluorohexanoic Acid (PFHxA) [5]	Perfluoroheptanoic Acid (PFHpA) [6]	Perfluorooctanoic Acid (PFOA) [7]	Perfluorononanoic Acid (PFNA) [8]	Perfluorodecanoic Acid (PFDA) [9]	Perfluoroundecanoic Acid (PFUnA) [10]	Perfluorododecanoic Acid (PFDoA) [11]	Perfluorotridecanoic Acid (PFTrA) [12]	Perfluorotetradecanoic Acid (PFTeA) [13]	Perfluorobutanesulfonic Acid (PFBS) [4S]	Perfluoropentanesulfonic Acid (PFPeS) [5S]	Perfluorohexanesulfonic Acid (PFHxS) [6S]	Perfluoroheptanesulfonic Acid (PFHpS) [7S]	Perfluorooctanesulfonic Acid (PFOS) [8S]	Perfluorononanesulfonic Acid (PFNS) [9S]	Perfluorodecanesulfonic Acid (PFDS) [10S]	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	Perfluorooctanesulfonamide (FOSA)	N-methyl perfluorooctane sulfonamide (MeFOSA)	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (EtFOSAA)	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)		
CAS Number			375-22-4	2706-90-3	307-24-4	375-85-9	335-67-1	375-95-1	335-76-2	2058-94-8	307-55-1	72629-94-8	376-06-7	375-73-5	2706-91-4	355-46-4	375-92-8	1763-23-1	68259-12-1	335-77-3	757124-72-4	27619-97-2	39108-34-4	754-91-6	31506-32-8	2991-50-6	2355-31-9	–	–
GW-1 (AGQS)							12	11								18		15										
B-928D	12/15/2023	N	8.51	6.81	9.59	5.74	9.96	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	7.19	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<3.72	<1.86	<1.86	9.96	47.8
B-928D	4/15/2024	N	<128	<64	<32	<32	<40	<32	<32	<32	<32	<32	<32	<28.4	<30	<29.2	<30.4	<29.8	<30.8	<30.8	<120	<121	<123	<32	<32	<32	<32	ND	ND
B-928D	7/22/2024	N	6.61	4.84	8.02	5.07	9.58	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	5.27	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	<3.77	<1.88	<1.88	9.58	39.39
B-929U	12/1/2022	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-929U	3/20/2023	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-929U	7/23/2024	N	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<3.96	<1.98	<1.98	ND	ND
B-929L	12/1/2022	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-929L	3/20/2023	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-930U	12/1/2022	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-930U	3/20/2023	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-930U	7/12/2023	N	<2.34	<2.34	<2.34	<2.34	<2.34	<2.34	<2.34	<2.34	<2.34	<2.34	<2.34	<2.34	<2.34	<2.34	<2.34	<2.34	<2.34	<2.34	<2.34	<2.34	<2.34	<2.34	<4.68	<2.34	<2.34	ND	ND
B-930U	7/23/2024	N	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<3.91	<1.95	<1.95	ND	ND
B-930L	12/1/2022	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-930L	3/20/2023	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-931U	12/1/2022	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-931U	3/20/2023	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-931U	7/12/2023	N	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<3.89	<1.95	<1.95	ND	ND
B-931U	7/23/2024	N	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<2.06	<4.11	<2.06	<2.06	ND	ND
B-931L	12/1/2022	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-931L	3/20/2023	N	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
B-932U	7/22/2024	N	<1.99	<1.99	<1.99	2.27	5.3	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	2.98	<1.99	<1.99	<1.99	2.3	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	<3.98	<1.99	<1.99	7.6	12.85
B-932L	7/22/2024	N	<1.95	1.98	2.46	<1.95	2.48	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<3.91	<1.95	<1.95	2.48	6.92
QC_FB	7/25/2017	FB	<4.04	<4.04	<4.04	<4.04	<4.04	<4.04						<4.04		<4.04		<4.04										ND	ND
QC_FB	11/7/2017	FB	<4.53	<4.53	<4.53	<4.53	<4.53	<4.53						<4.53		<4.53		<4.53										ND	ND
QC_FB	4/23/2018	FB	<4.31	<4.31	<4.31	<4.31	<4.31	<4.31						<4.31		<4.31		<4.31										ND	ND
QC_FB	7/11/2018	FB	<4.33	<4.33	<4.33	<4.33	<4.33	<4.33						<4.33		<4.33		<4.33										ND	ND
QC_FB	8/27/2018	FB	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32						<4.32		<4.32		<4.32										ND	ND
QC_FB	11/5/2018	FB	<4.23	<4.23	<4.23	<4.23	<4.23	<4.23						<4.23		<4.23		<4.23										ND	ND
QC_FB	4/22/2019	FB	<5.1	<5.1	<1.7	<0.85	<0.85	<1.7	<1.7	<1.7	<1.7	<0.85	<0.85	<0.85	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<2.5	<1.7	<5.1	<2.5	<7.6	<2.5	<2.5	ND	ND
QC_FB	7/9/2019	FB	<4.19	<4.19	<4.19	<4.19	<4.19	<4.19						<4.19		<4.19		<4.19										ND	ND
QC_FB	8/5/2019	FB	<4.24	<4.24	<4.24	<4.24	<4.24	<4.24						<4.24		<4.24		<4.24										ND	ND
QC_FB	11/4/2019	FB	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<4.39	<21.9	<4.39	<4.39	ND	ND
QC_FB	11/6/2019	FB	<4.27	<4.27	<4.27	<4.27	<4.27	<4.27	<4.27	<4.27	<4.27	<4.27	<4.27	<4.27		<4.27	<4.27	<4.27		<4.27				<4.27				ND	ND
QC_FB	1/7/2020	FB	<4.45	<4.45	<4.45	<4.45	<4.45	<4.45	<4.45	<4.45	<4.45	<4.45	<4.45	<4.45	<4.45	<4.45	<4.45	<4.45	<4.45	<4.45	<4.45	<4.45	<4.45	<4.45	<22.2	<4.45	<4.45	ND	ND
QC_FB	4/20/2020	FB	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<4.32	<21.6	<4.32	<4.32	ND	ND
QC_FB	7/16/2020	FB	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<22.1	<4.43	<4.43	ND	ND

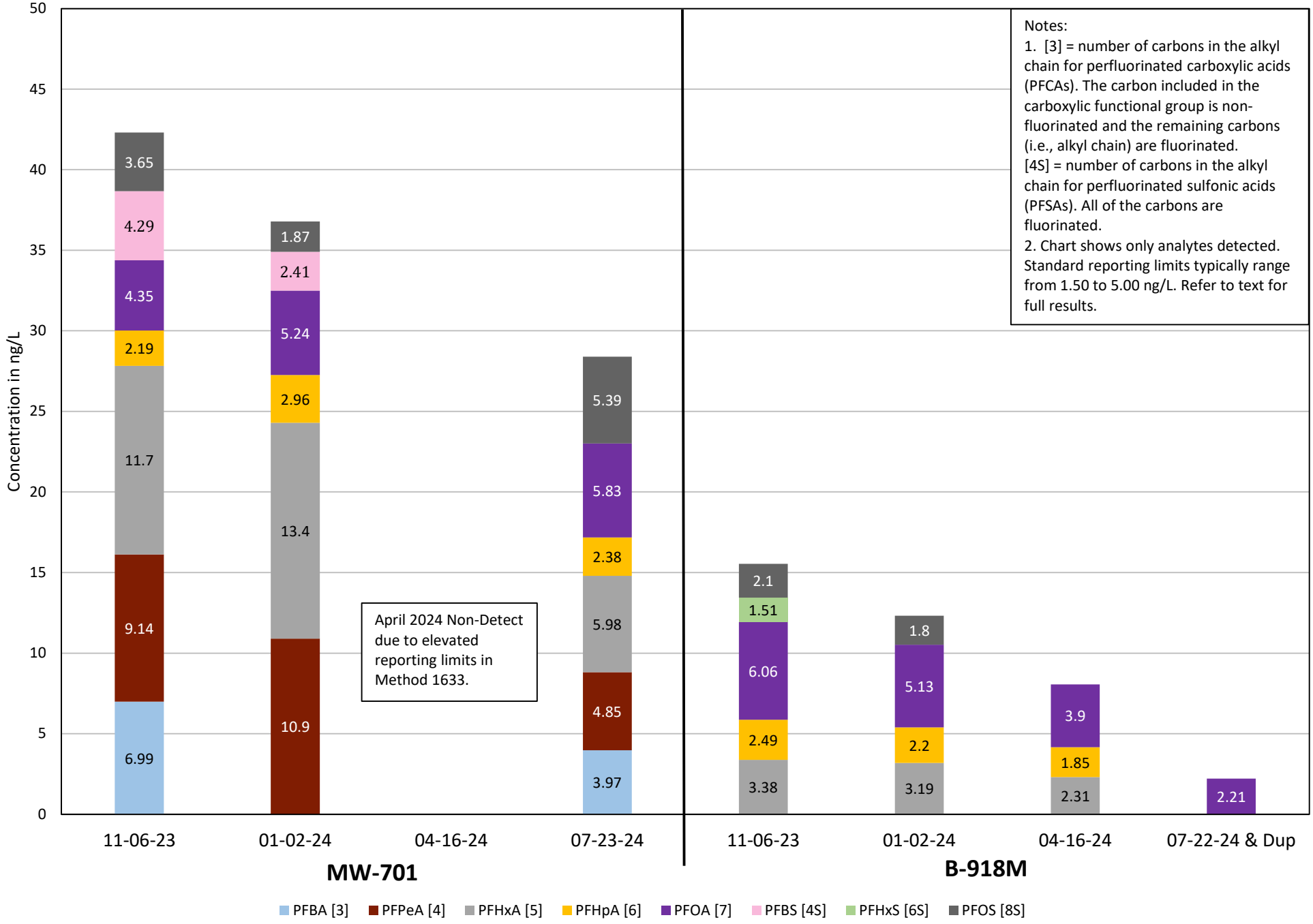
TABLE D.1
Summary of PFAS Groundwater Analytical Results
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

Sample Location	Sample Date	Sample Type	Concentrations in ng/L																									
			Perfluoroalkyl Carboxylic Acids											Perfluoroalkyl Sulfonic Acids							Fluorotelomers			Perfluoroalkane Sulfonamides		Perfluoroalkane Sulfonyl Substances		Total of Regulated PFAS	Total PFAS
			Perfluorobutanoic Acid (PFBA) [3]	Perfluoropentanoic Acid (PFPeA) [4]	Perfluorohexanoic Acid (PFHxA) [5]	Perfluoroheptanoic Acid (PFHpA) [6]	Perfluorooctanoic Acid (PFOA) [7]	Perfluorononanoic Acid (PFNA) [8]	Perfluorodecanoic Acid (PFDA) [9]	Perfluoroundecanoic Acid (PFUnA) [10]	Perfluorododecanoic Acid (PFDoA) [11]	Perfluorotridecanoic Acid (PFTrA) [12]	Perfluorotetradecanoic Acid (PFTeA) [13]	Perfluorobutanesulfonic Acid (PFBS) [4S]	Perfluoropentanesulfonic Acid (PFPeS) [5S]	Perfluorohexanesulfonic Acid (PFHxS) [6S]	Perfluoroheptanesulfonic Acid (PFHpS) [7S]	Perfluorooctanesulfonic Acid (PFOS) [8S]	Perfluorononanesulfonic Acid (PFNS) [9S]	Perfluorodecanesulfonic Acid (PFDS) [10S]	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	Perfluorooctanesulfonamide (FOSA)	N-methyl perfluorooctane sulfonamide (MeFOSA)	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (EtFOSAA)	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)		
CAS Number			375-22-4	2706-90-3	307-24-4	375-85-9	335-67-1	375-95-1	335-76-2	2058-94-8	307-55-1	72629-94-8	376-06-7	375-73-5	2706-91-4	355-46-4	375-92-8	1763-23-1	68259-12-1	335-77-3	757124-72-4	27619-97-2	39108-34-4	754-91-6	31506-32-8	2991-50-6	2355-31-9	–	–
GW-1 (AGQS)							12	11								18		15										
QC_FB	11/2/2020	FB	<4.25	<4.25	<4.25	<4.25	<4.25	<4.25	<4.25	<4.25	<4.25	<4.25	<4.25	<4.25	<4.25	<4.25	<4.25	<4.25	<4.25	<4.25	<4.25	<4.25	<4.25	<21.3	<4.25	<4.25	ND	ND
QC_FB	1/13/2021	FB	<4.28	<4.28	<4.28	<4.28	<4.28	<4.28	<4.28	<4.28	<4.28	<4.28	<4.28	<4.28	<4.28	<4.28	<4.28	<4.28	<4.28	<4.28	<4.28	<4.28	<4.28	<20	<4.28	<4.28	ND	ND
QC_FB	4/19/2021	FB	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	<5.46	<4.37	<4.37	<6.01	<4.37	<4.37	<4.91	<4.37	<20	<4.37	<5.73	ND	ND
QC_FB	5/27/2021	FB	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
QC_FB	7/7/2021	FB	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
QC_FB	9/29/2021	FB	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
QC_FB	11/2/2021	FB	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
QC_FB	1/6/2022	FB	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	<1.99	<2.48	<1.99	<1.99	ND	ND
QC_FB	2/22/2022	FB	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
QC_FB	4/18/2022	FB	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
QC_FB	6/8/2022	FB	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
QC_FB	7/13/2022	FB	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
QC_FB	11/2/2022	FB	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
QC_FB	12/1/2022	FB	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
QC_FB	1/4/2023	FB	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
QC_FB	3/20/2023	FB	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
QC_FB	4/19/2023	FB	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<20	<4	<4	ND	ND
QC_FB	7/12/2023	FB	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<3.87	<1.93	<1.93	ND	ND
QC_FB	11/6/2023	FB	<6.52	<3.26	<1.63	<1.63	<2.04	<1.63	<1.63	<1.63	<1.63	<1.63	<1.63	<1.45	<1.53	<1.49	<1.55	<1.52	<1.57	<1.57	<6.11	<6.18	<6.26	<1.63	<1.63	<1.63	<1.63	ND	ND
QC_FB	12/15/2023	FB	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<3.82	<1.91	<1.91	ND	ND
QC_FB	1/2/2024	FB	<6.44	<3.22	<1.61	<1.61	<2.01	<1.61	<1.61	<1.61	<1.61	<1.61	<1.61	<1.43	<1.51	<1.47	<1.53	<1.5	<1.55	<1.55	<6.04	<6.11	<6.18	<1.61	<1.61	<1.61	<1.61	ND	ND
QC_FB	4/16/2024	FB	<6.35	<3.17	<1.59	<1.59	<1.98	<1.59	<1.59	<1.59	<1.59	<1.59	<1.59	<1.41	<1.49	<1.45	<1.51	<1.48	<1.53	<1.53	<5.95	<6.02	<6.09	<1.59	<1.59	<1.59	<1.59	ND	ND
QC_FB	7/23/2024	FB	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<3.78	<1.89	<1.89	ND	ND
QC_TB	6/1/2017	TB	<4.10	<4.10	<4.10	<4.10	<4.10	<4.10						<4.10		<4.10		<4.10										ND	ND
QC_TB	11/7/2017	TB	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37						<4.37		<4.37		<4.37										ND	ND
QC_TB	4/23/2018	TB	<4	<4	<4	<4	<4	<4						<4		<4		<4										ND	ND
QC_TB	7/11/2018	TB	<4.36	<4.36	<4.36	<4.36	<4.36	<4.36						<4.36		<4.36		<4.36										ND	ND
QC_TB	8/27/2018	TB	<4.41	<4.41	<4.41	<4.41	<4.41	<4.41						<4.41		<4.41		<4.41										ND	ND
QC_TB	11/5/2018	TB	<4.23	<4.23	<4.23	<4.23	<4.23	<4.23						<4.23		<4.23		<4.23										ND	ND

Appendix D.2

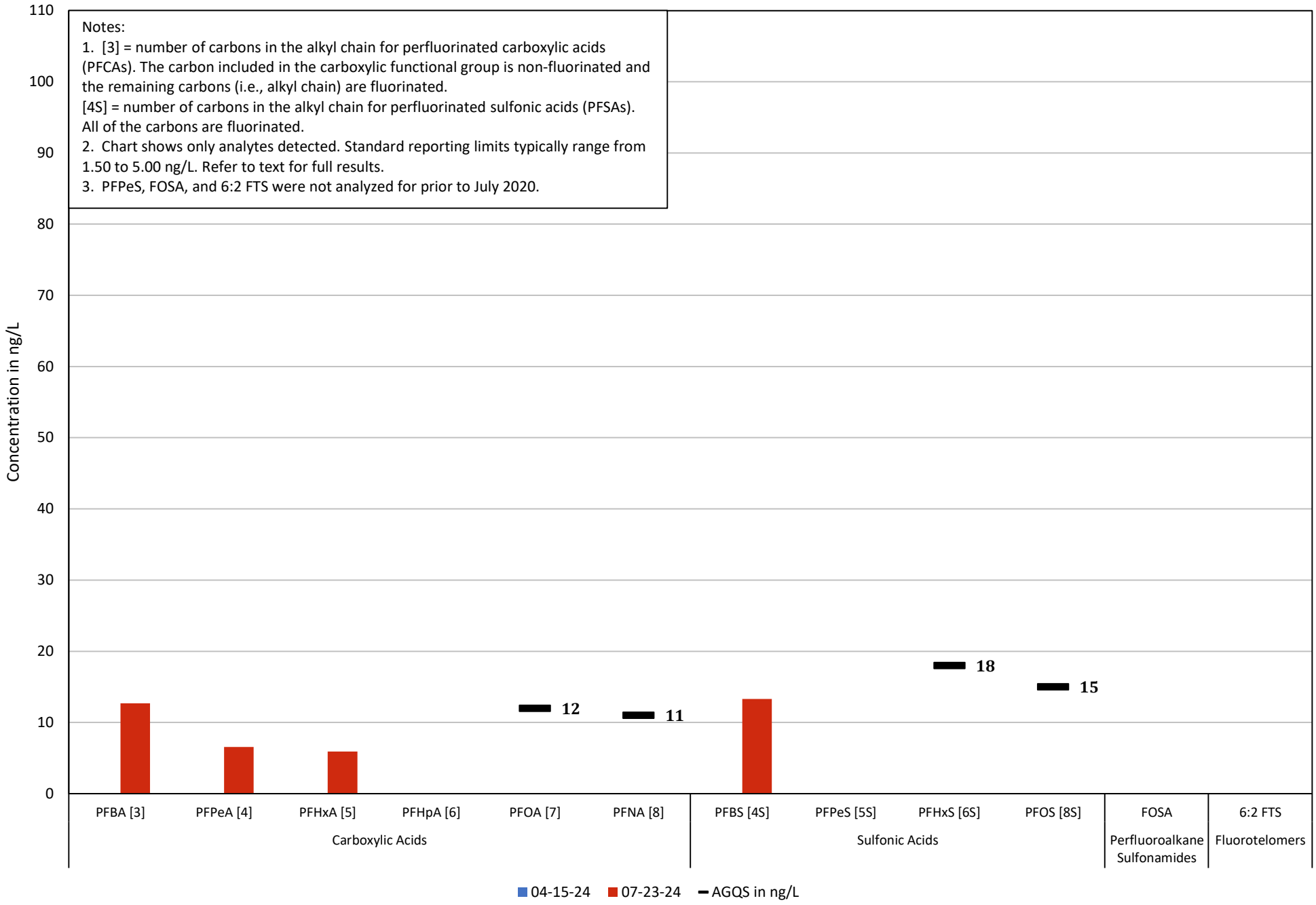
PFAS Plots

PFAS by Location - November 2023 & January, April & July 2024

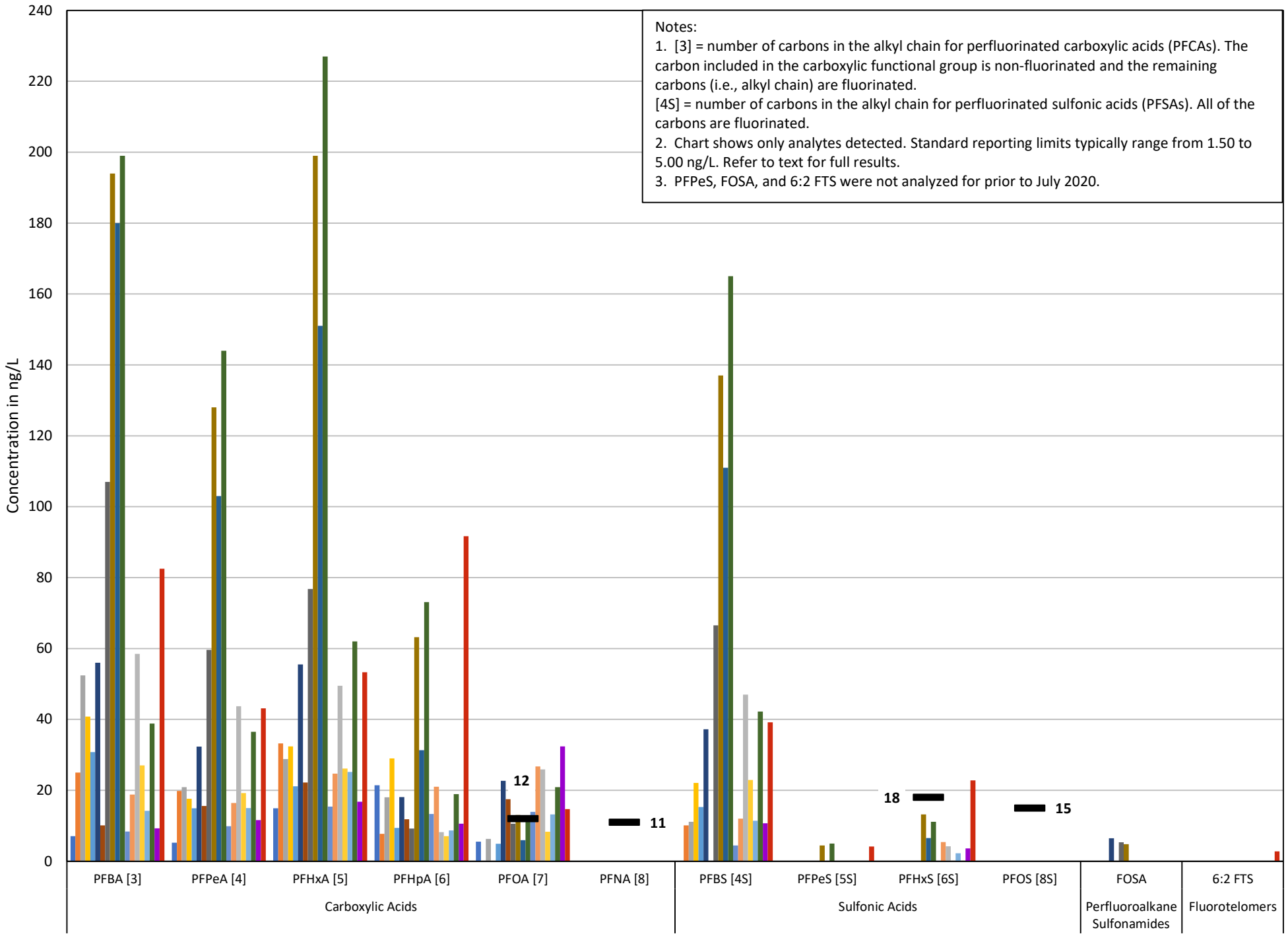


PFAS not detected in B-103D (4/24 & 7/24).

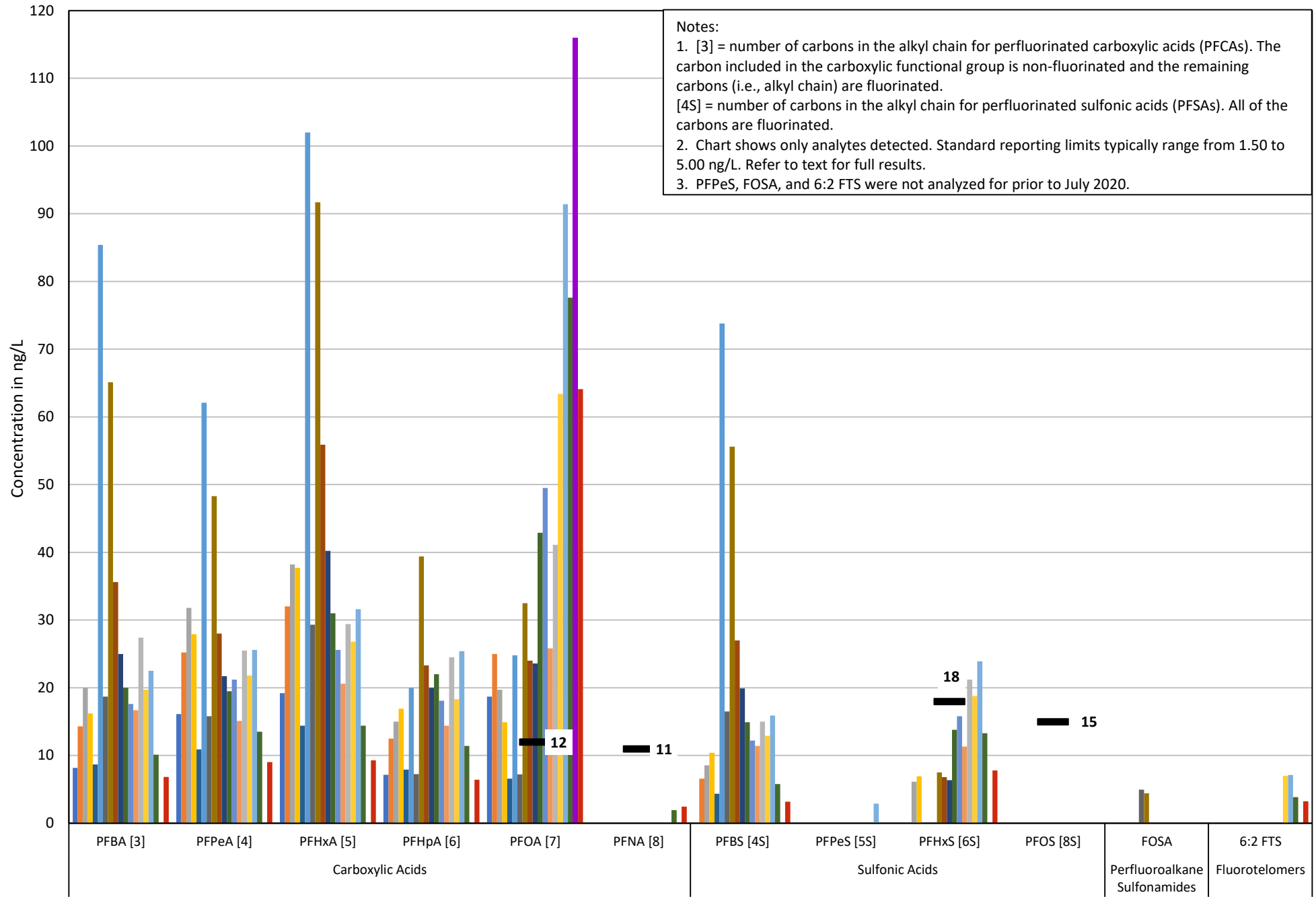
PFAS in B-103S



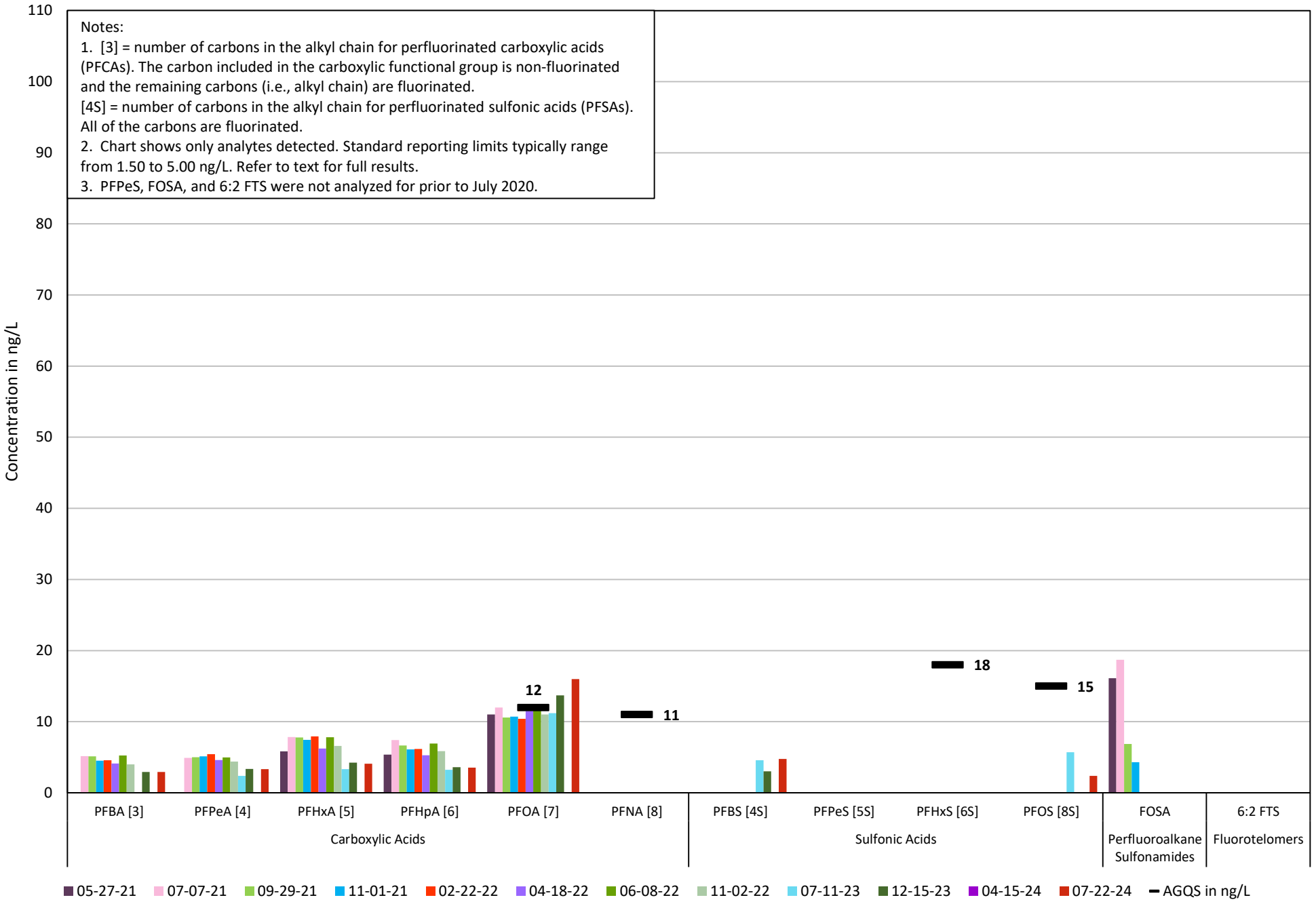
PFAS in B-304UR



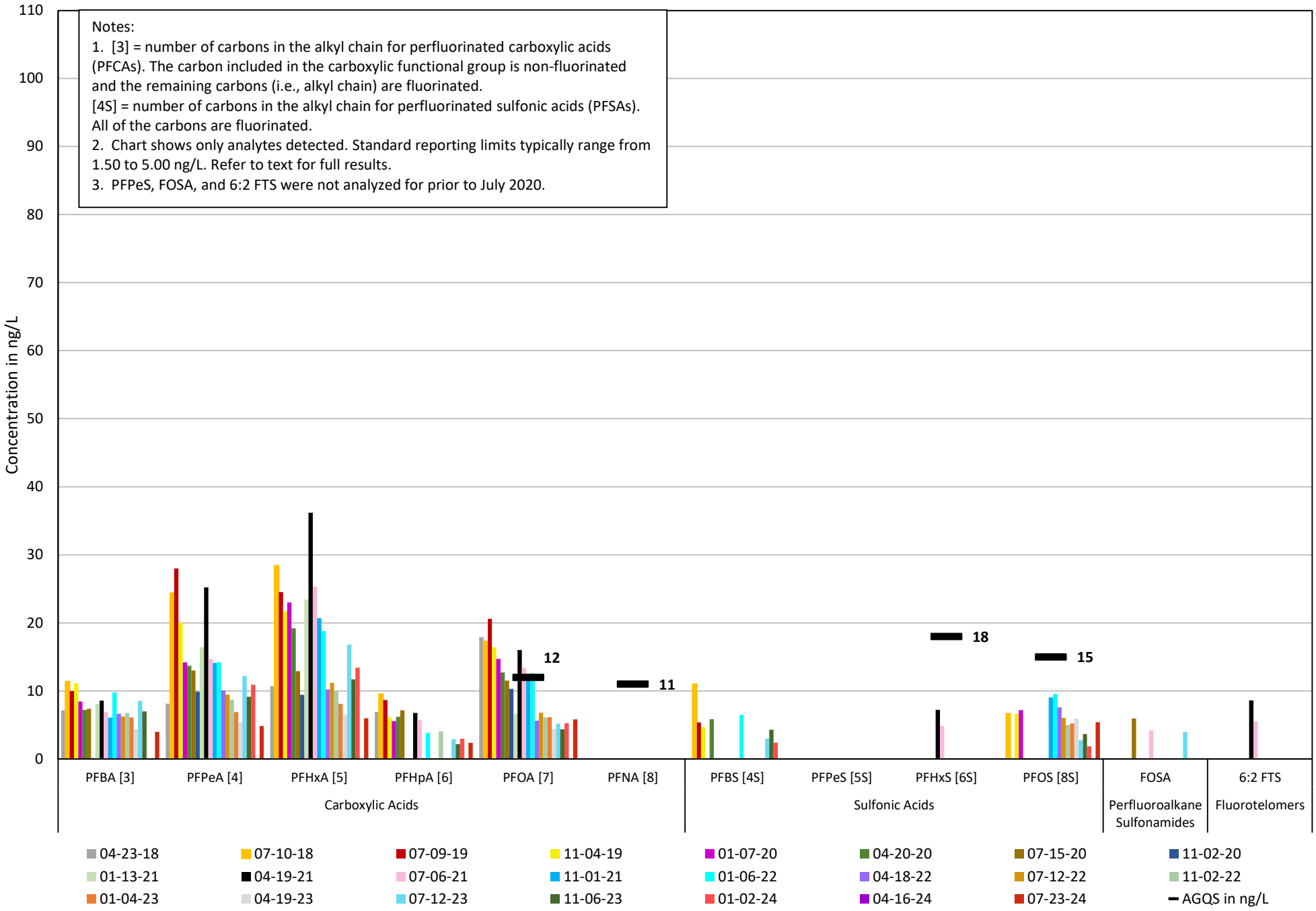
PFAS in B-304DR



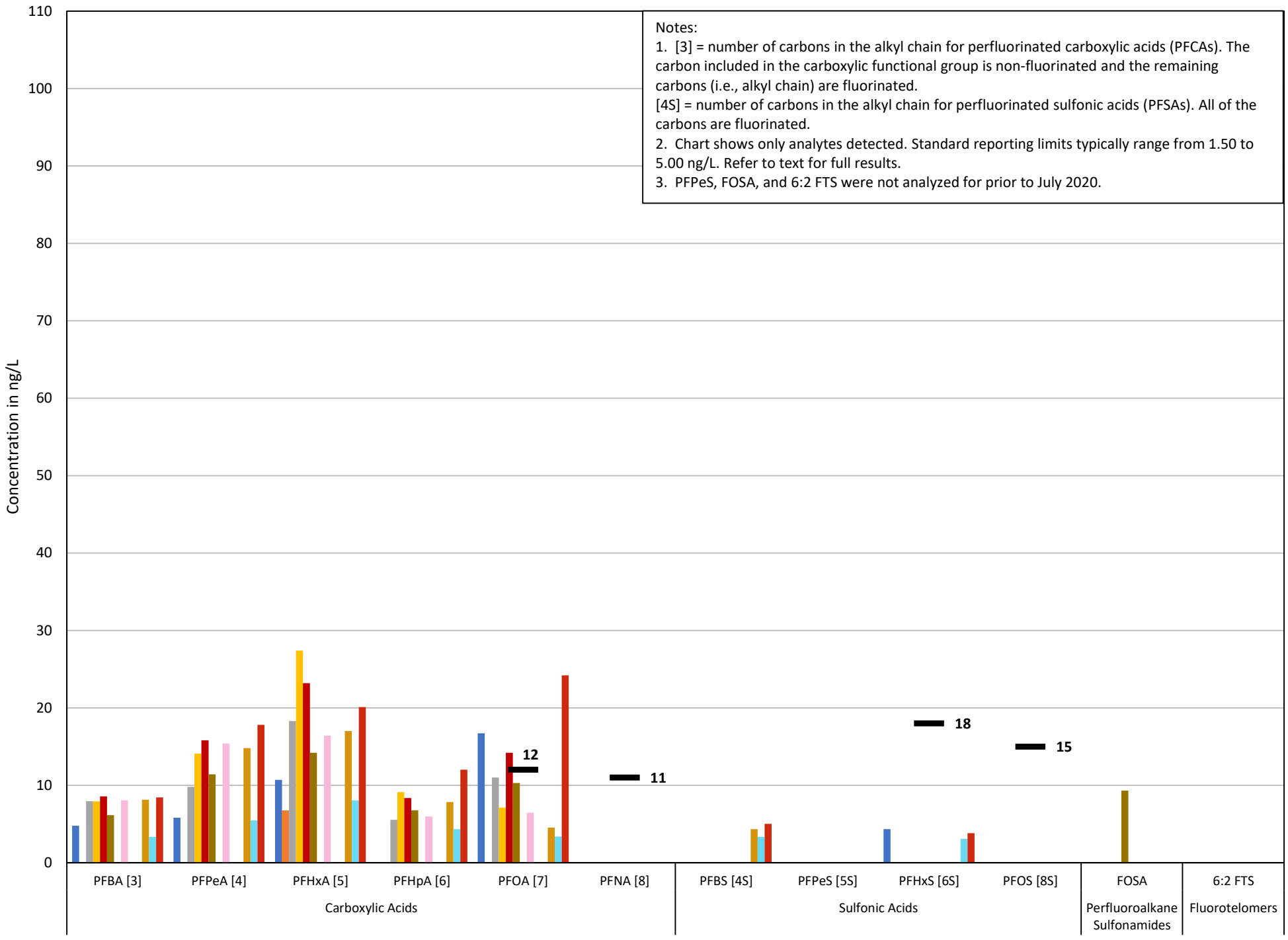
PFAS in MW-604



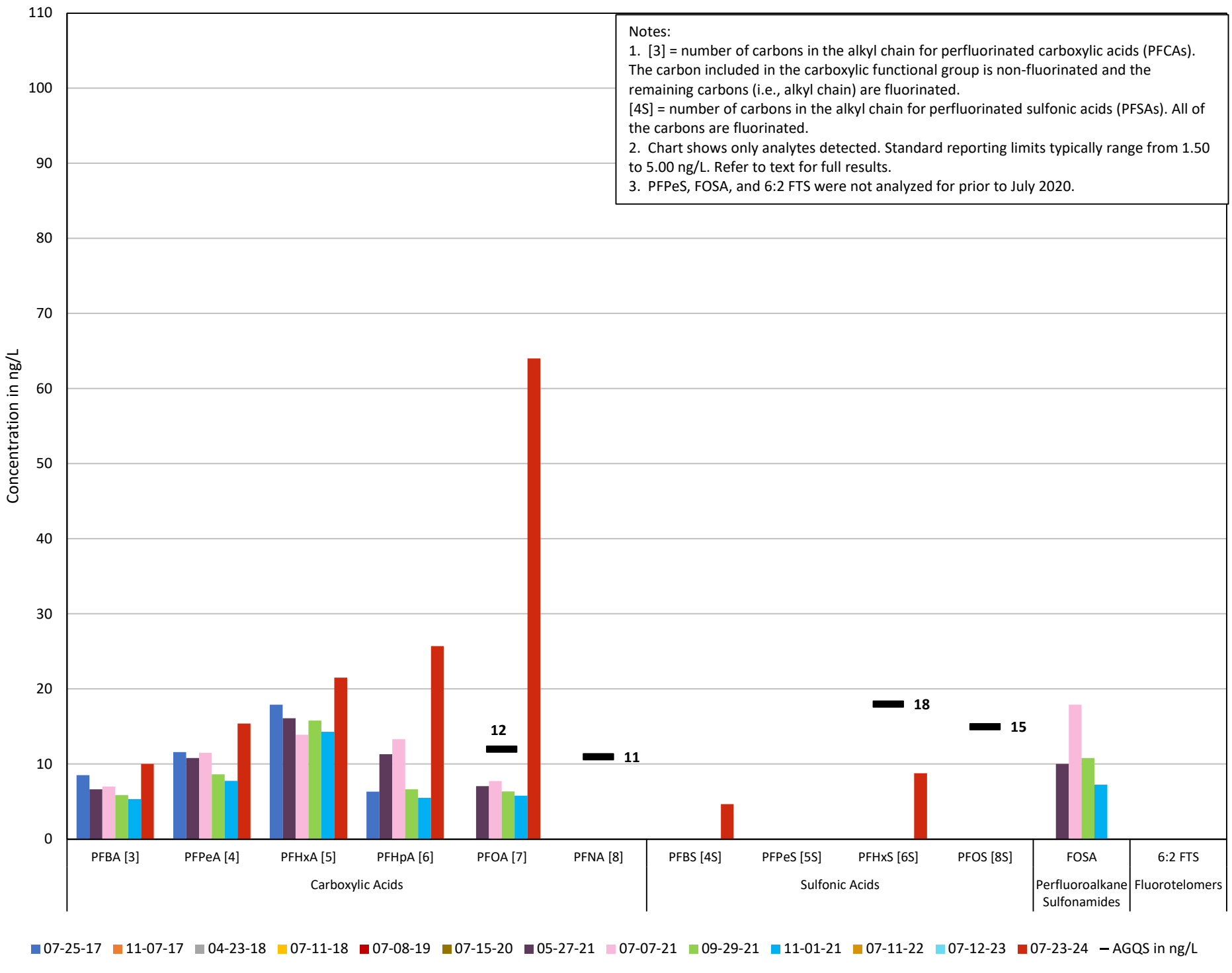
PFAS in MW-701



PFAS in MW-802

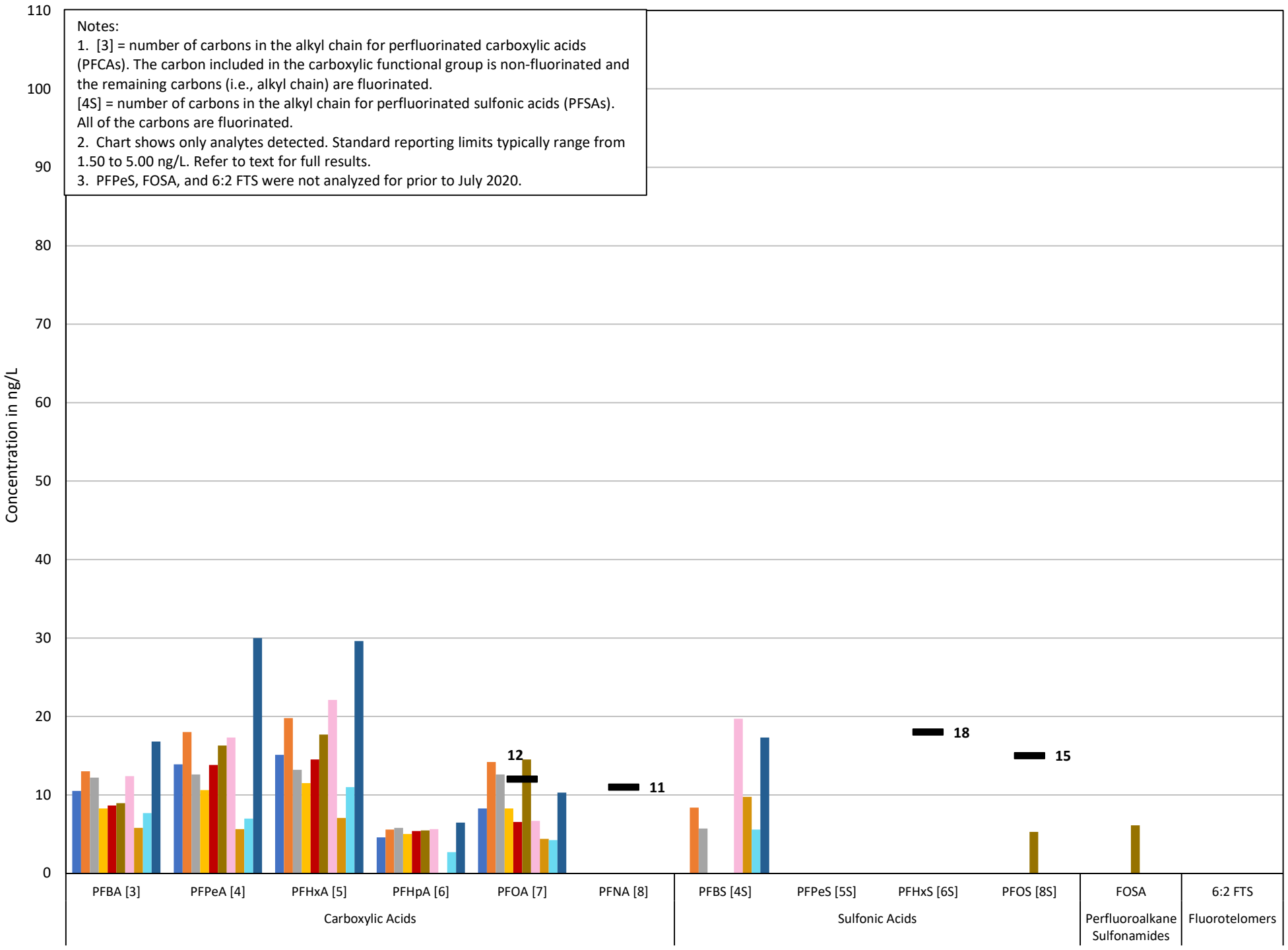


PFAS in MW-803

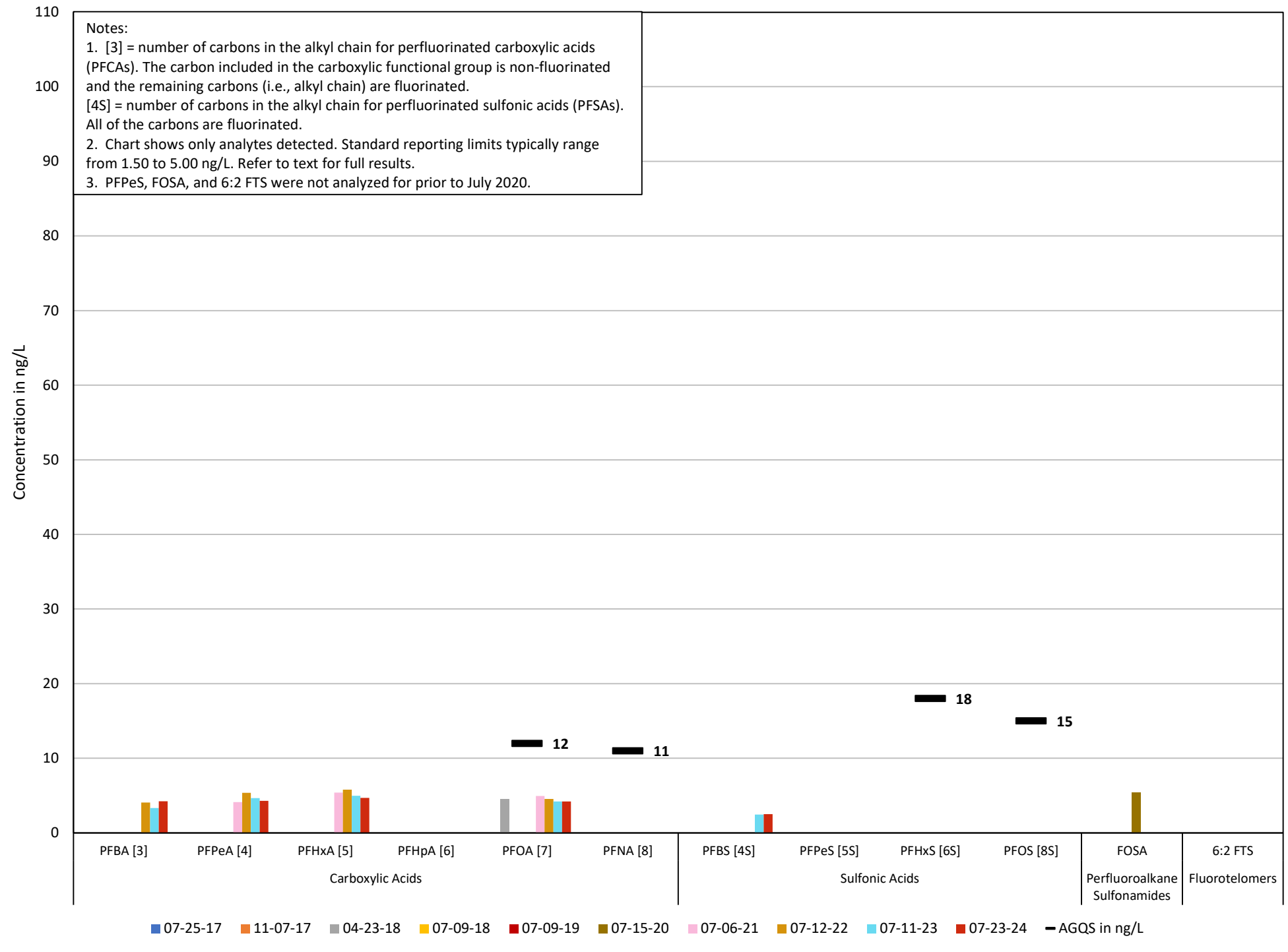


PFAS not detected in B-915D (11/17 and 4/18).

PFAS in B-915U

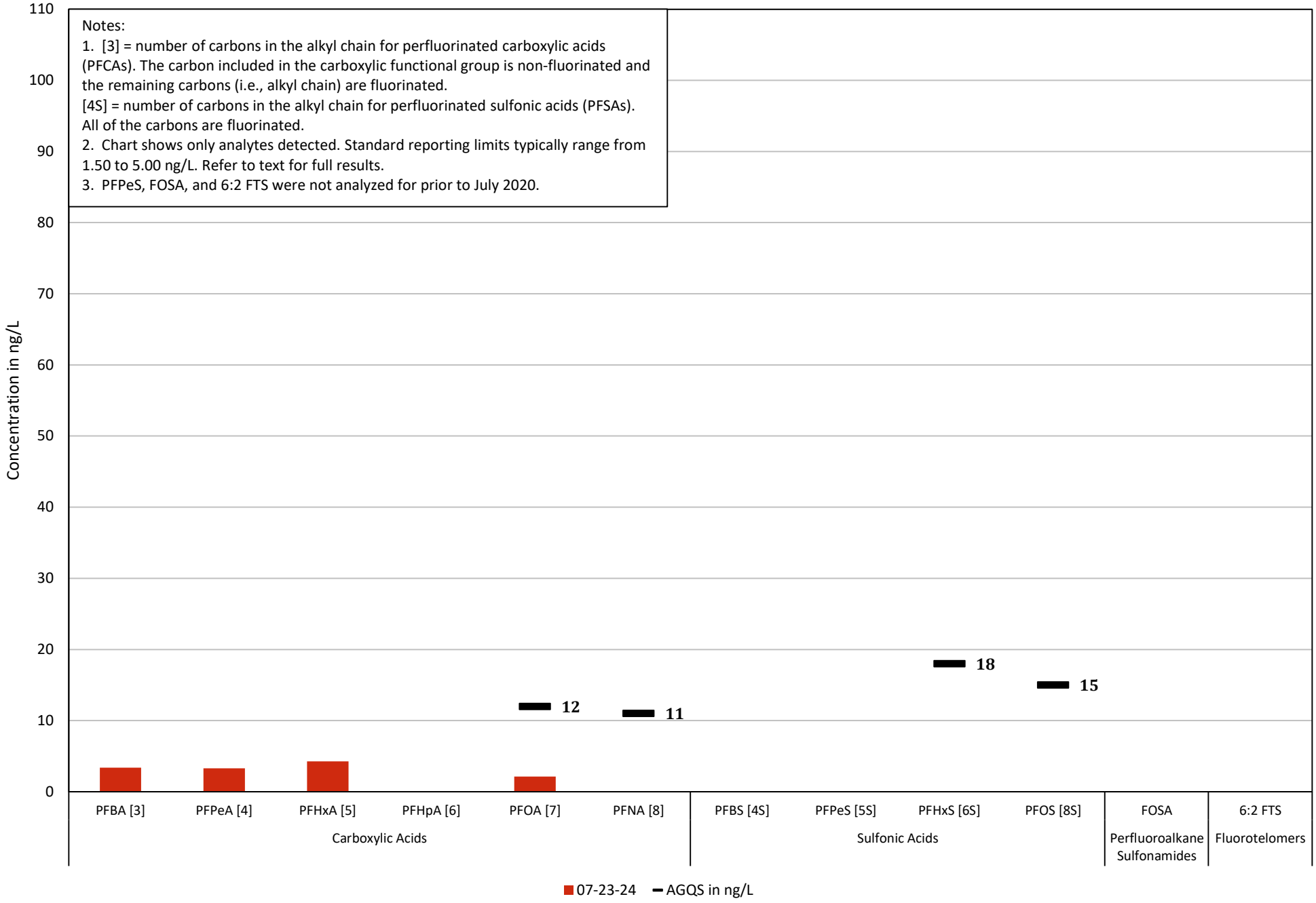


PFAS in B-915M



PFAS not detected in B-915U (7/24).

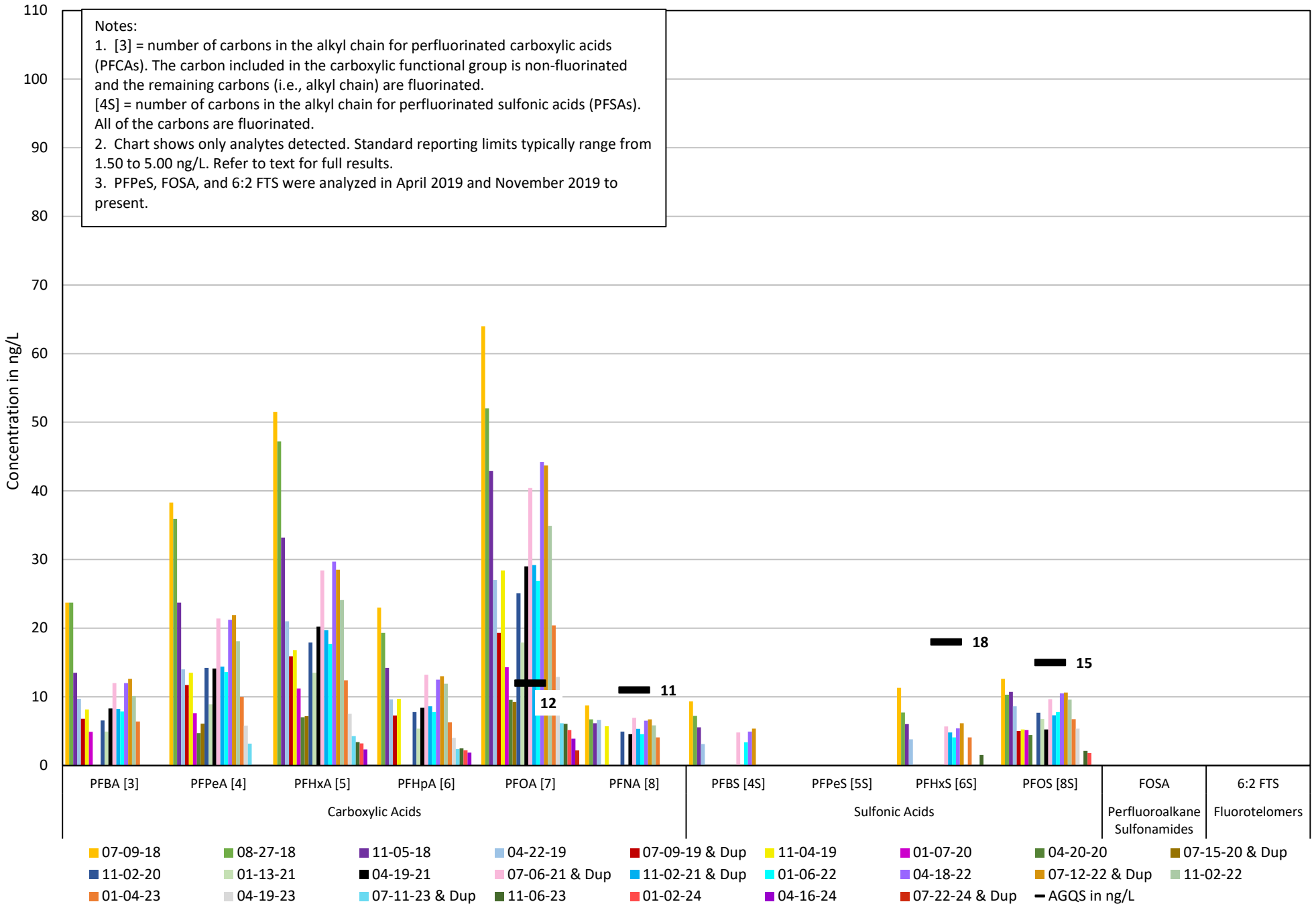
PFAS in B-916M



PFAS not detected in B-918U (7/18, 8/18, 7/19, 7/20, 7/21, 7/22, & 7/23) and B-918D (8/18, 7/19, 7/21, 7/23, & 7/24).

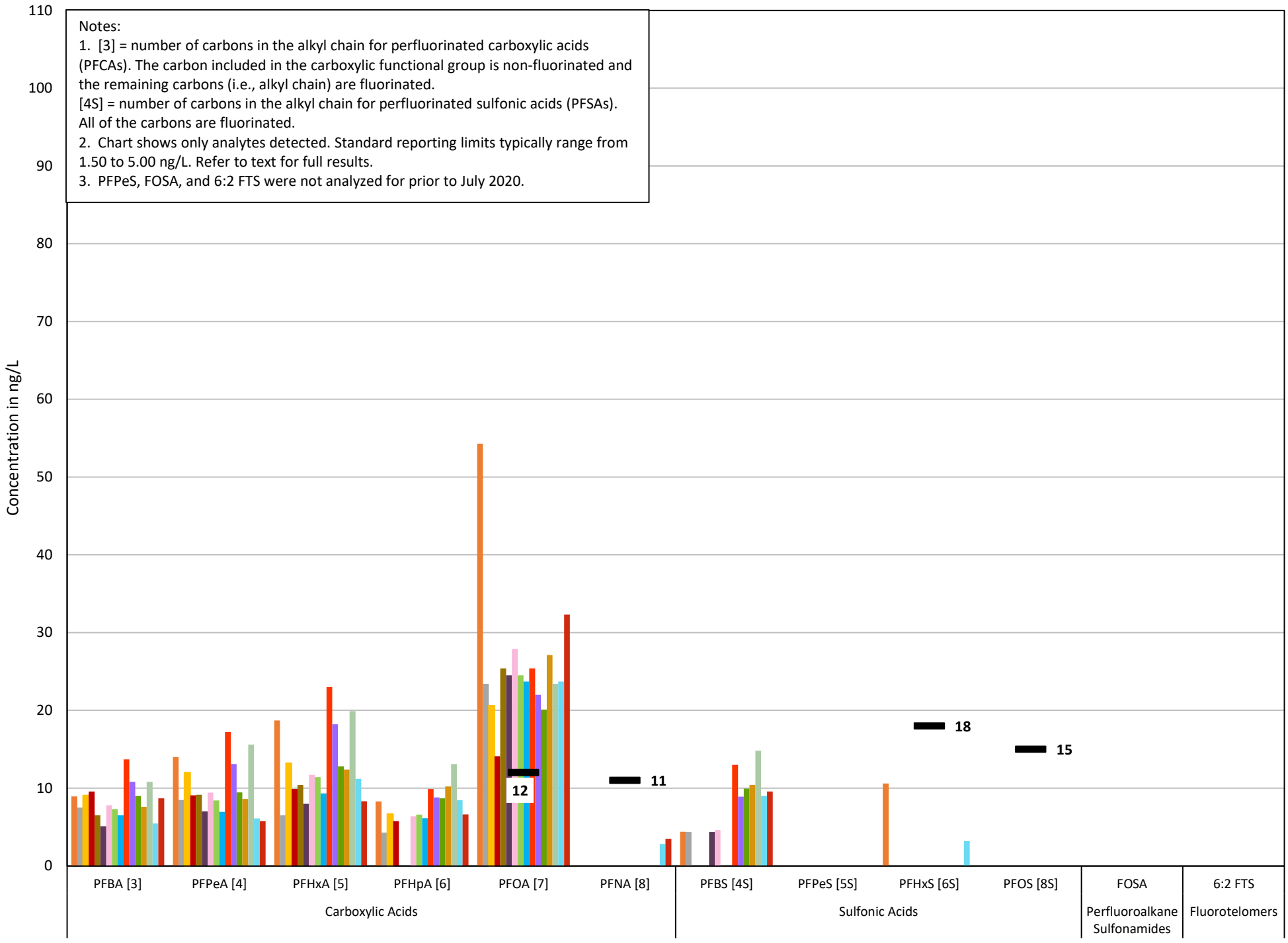
PFAS in B-918M

Notes:
1. [3] = number of carbons in the alkyl chain for perfluorinated carboxylic acids (PFCAs). The carbon included in the carboxylic functional group is non-fluorinated and the remaining carbons (i.e., alkyl chain) are fluorinated.
[4S] = number of carbons in the alkyl chain for perfluorinated sulfonic acids (PFSAs). All of the carbons are fluorinated.
2. Chart shows only analytes detected. Standard reporting limits typically range from 1.50 to 5.00 ng/L. Refer to text for full results.
3. PFPeS, FOSA, and 6:2 FTS were analyzed in April 2019 and November 2019 to present.

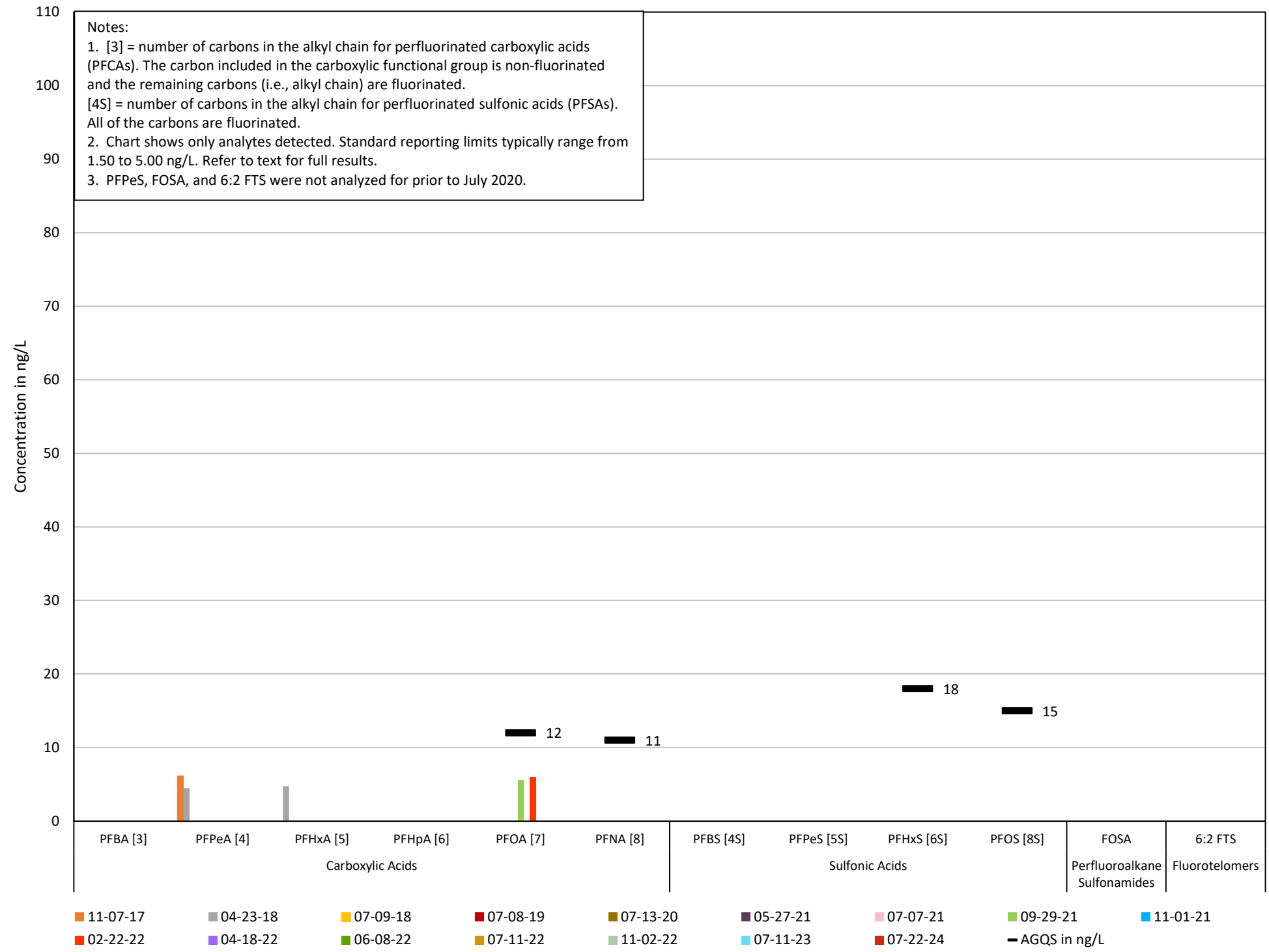


PFAS not detected in B-919D (11/17, 4/18, 7/19, 5/21, 7/21, 9/21, 11/21, 2/22, 4/22, 6/22, 11/22, & 7/23).

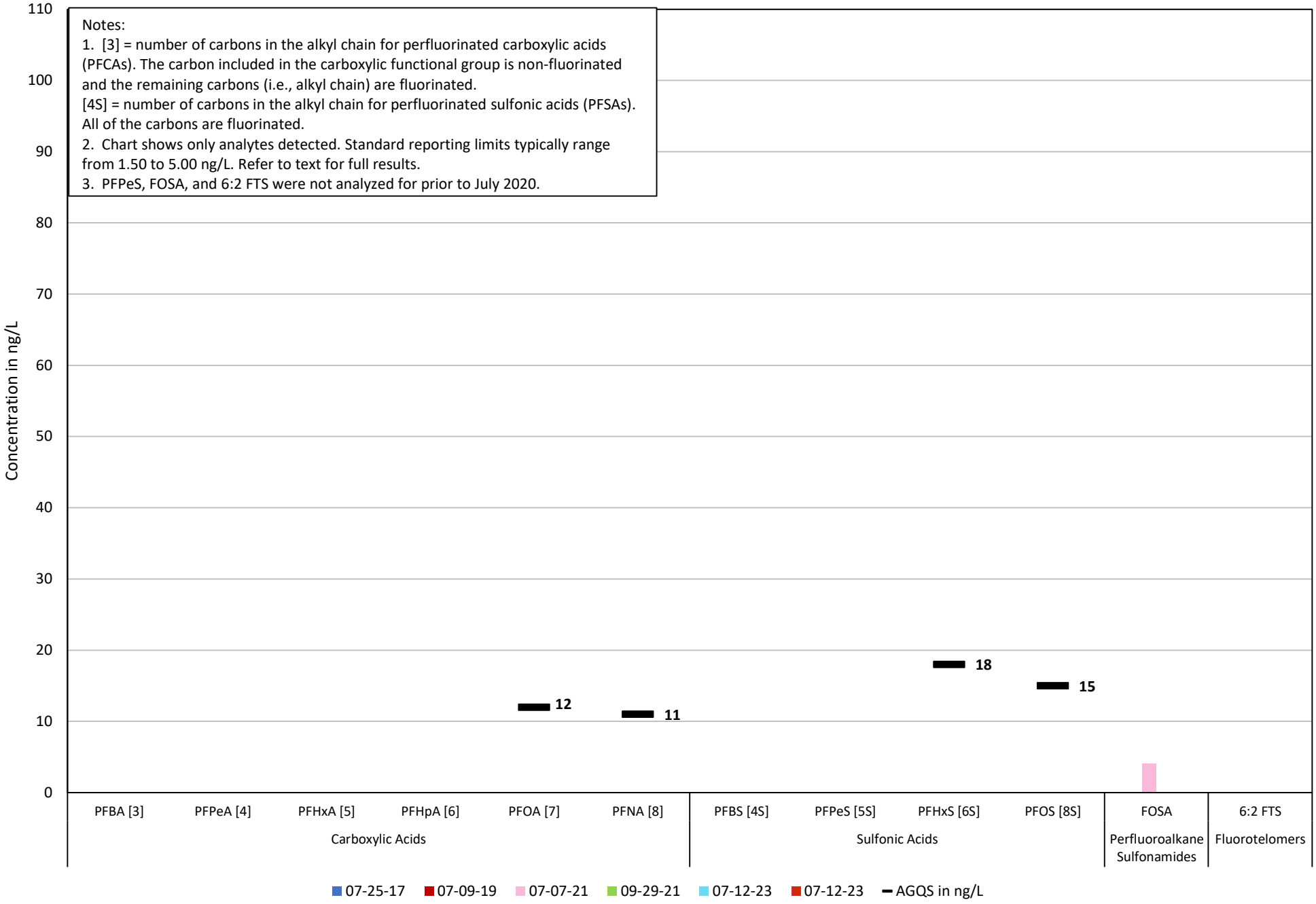
PFAS in B-919U



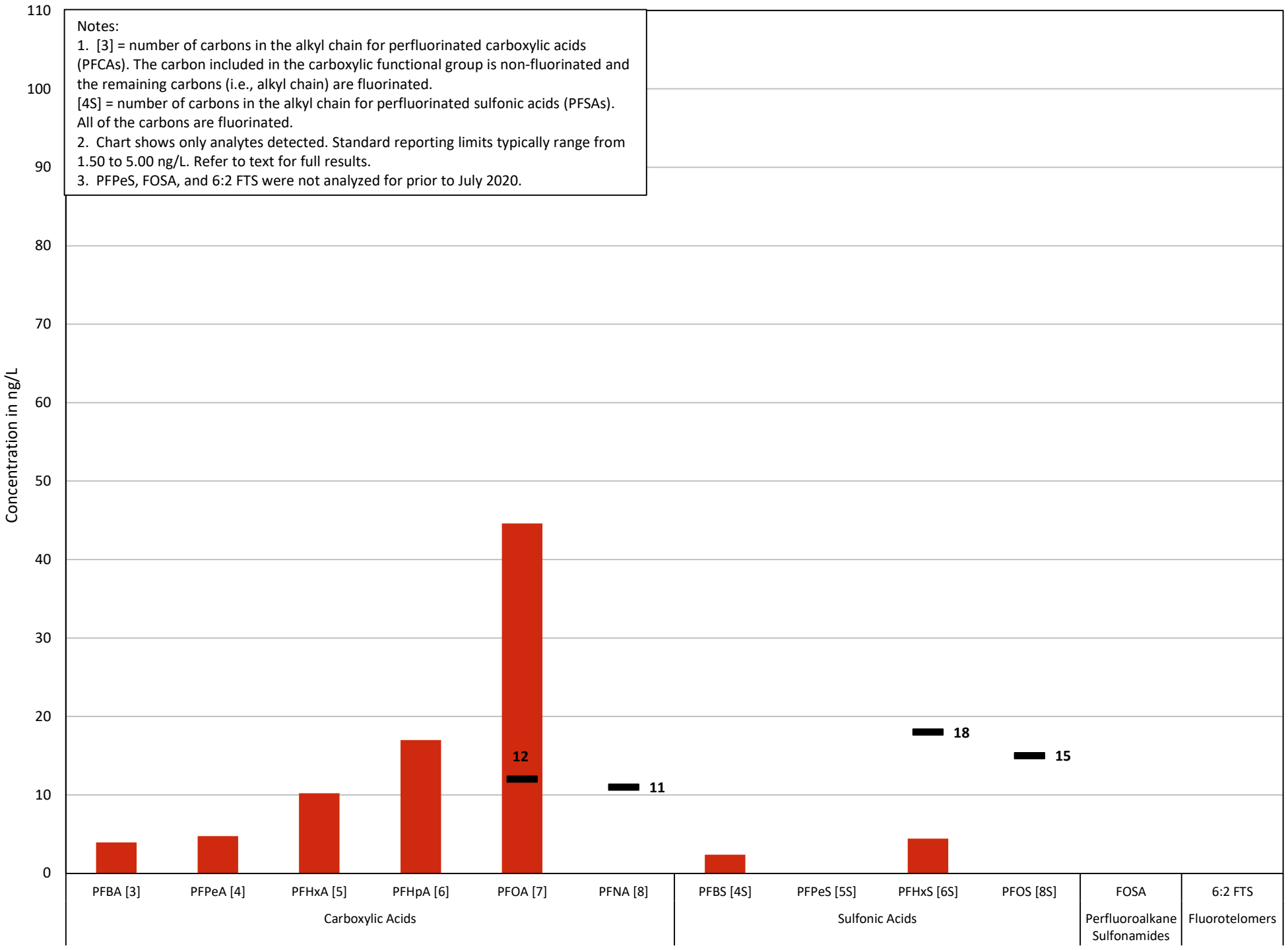
PFAS in B-919M



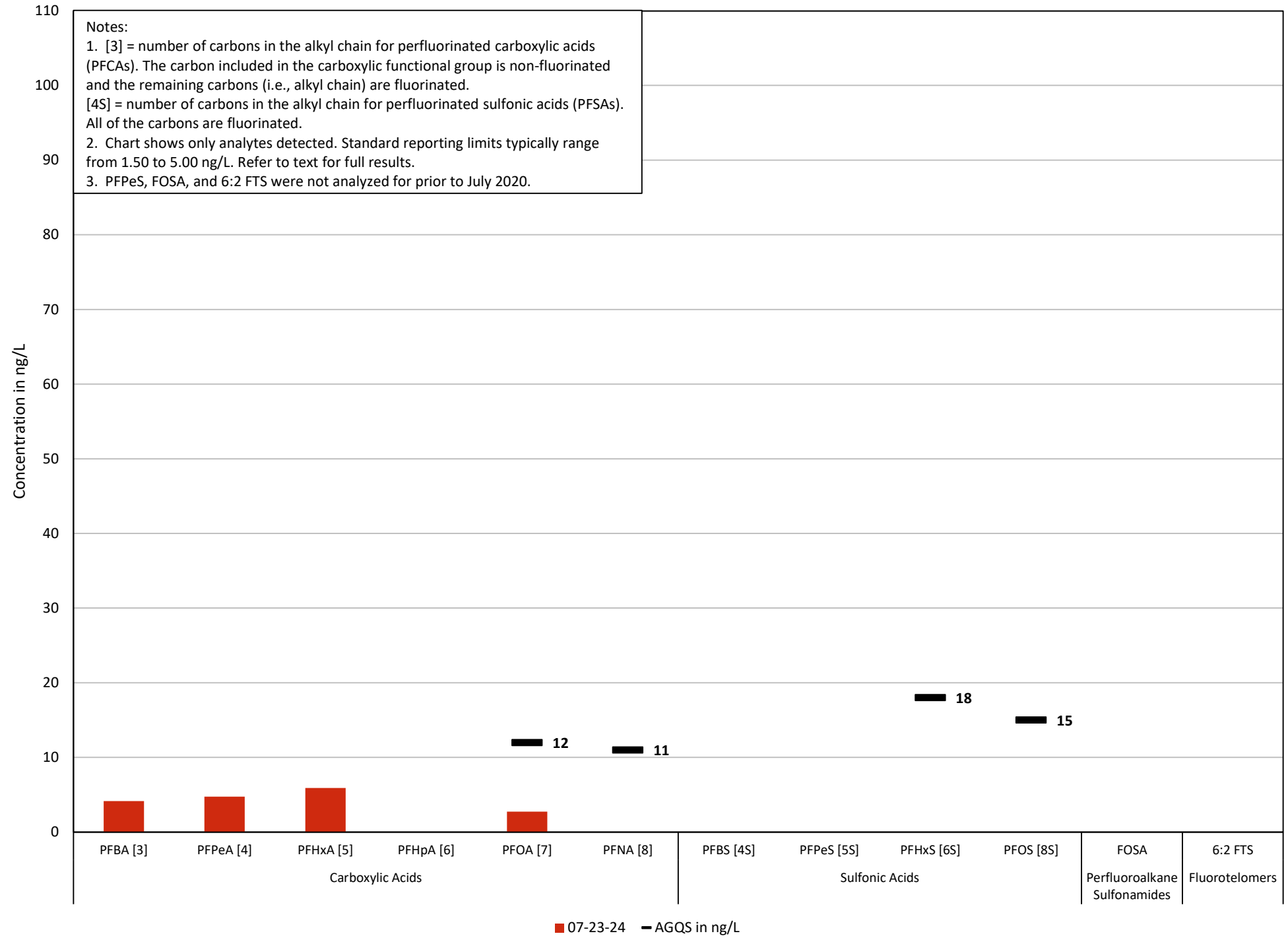
PFAS in B-924U



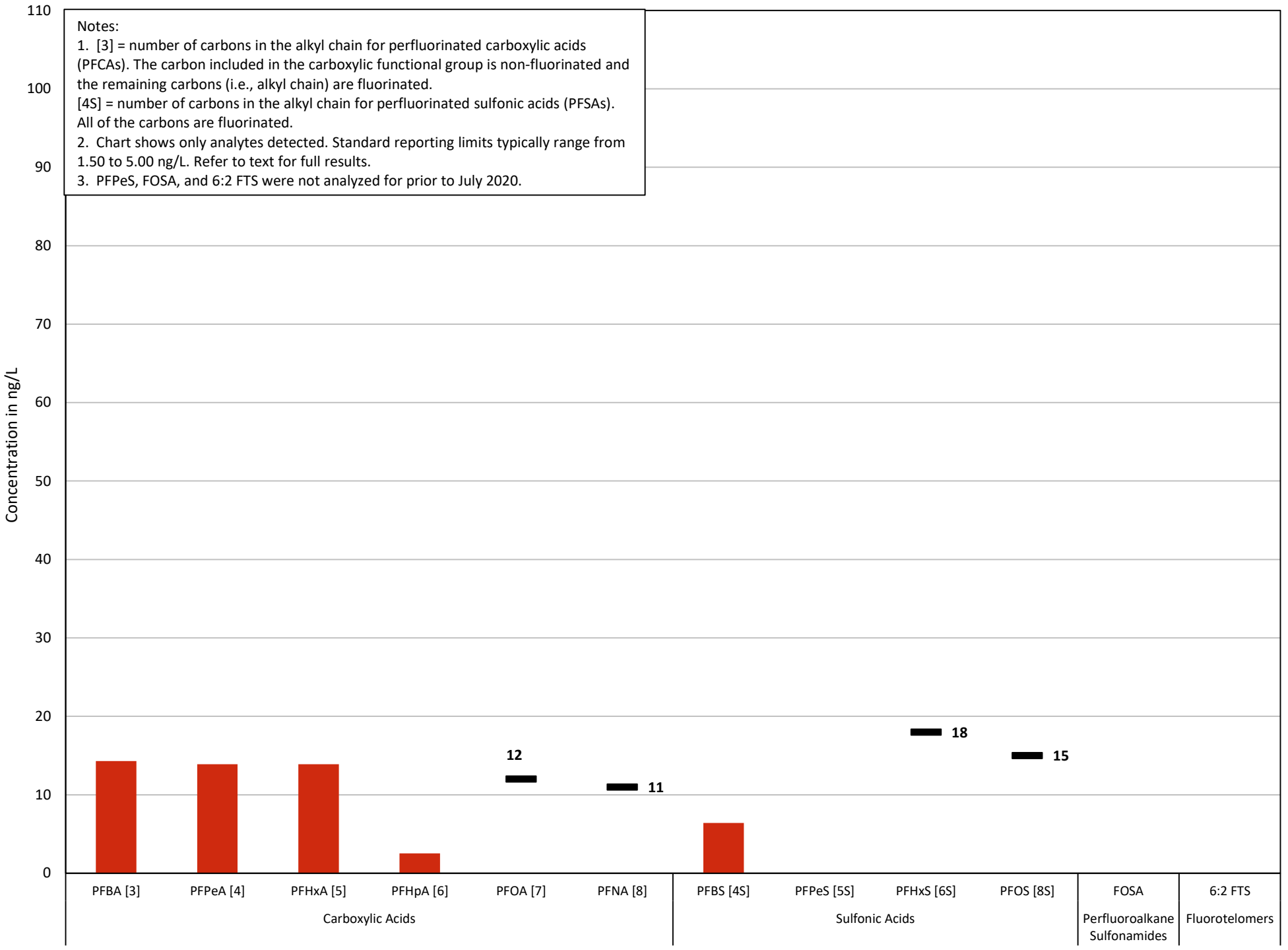
PFAS in B-926U



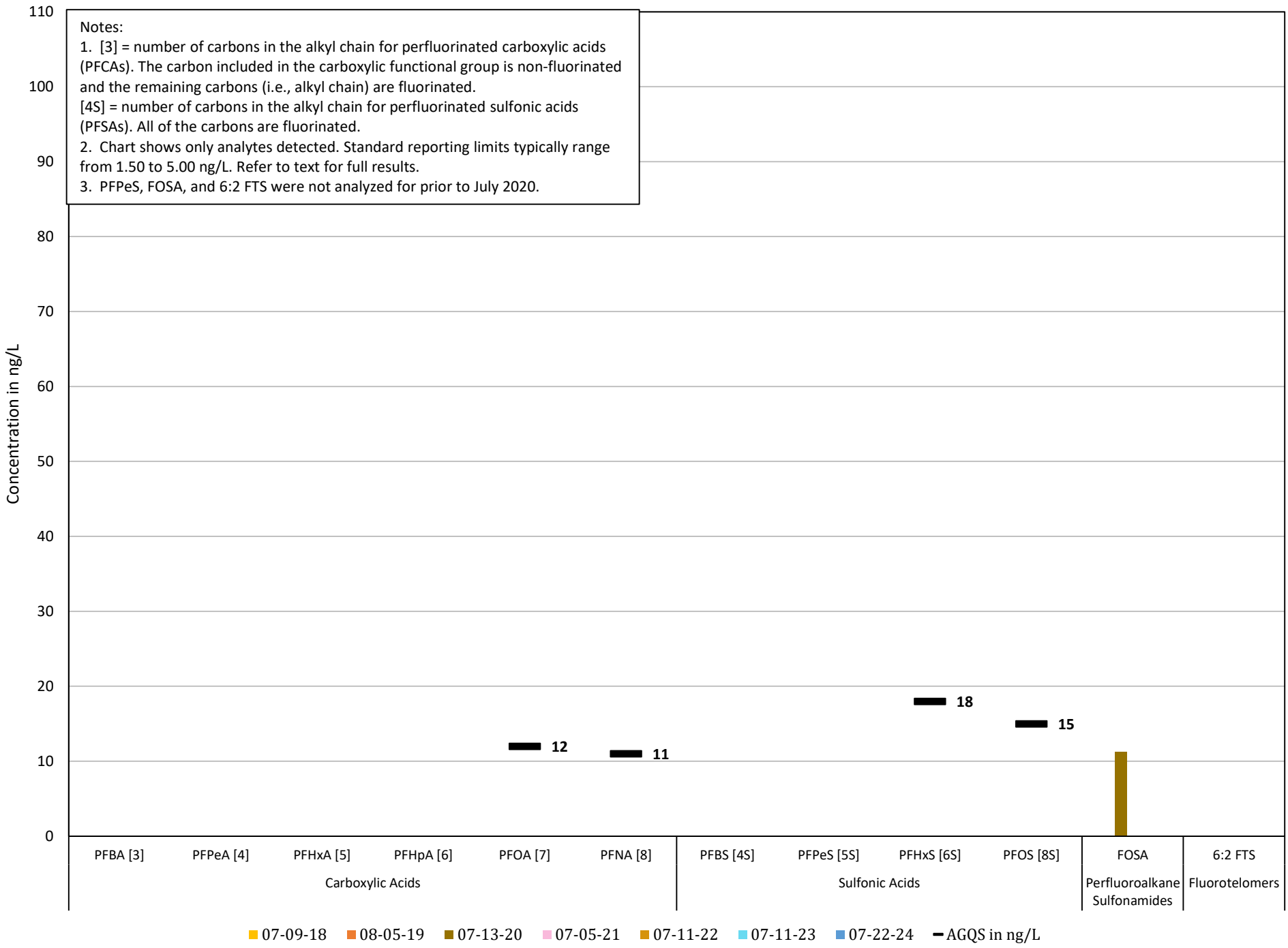
PFAS in B-926L



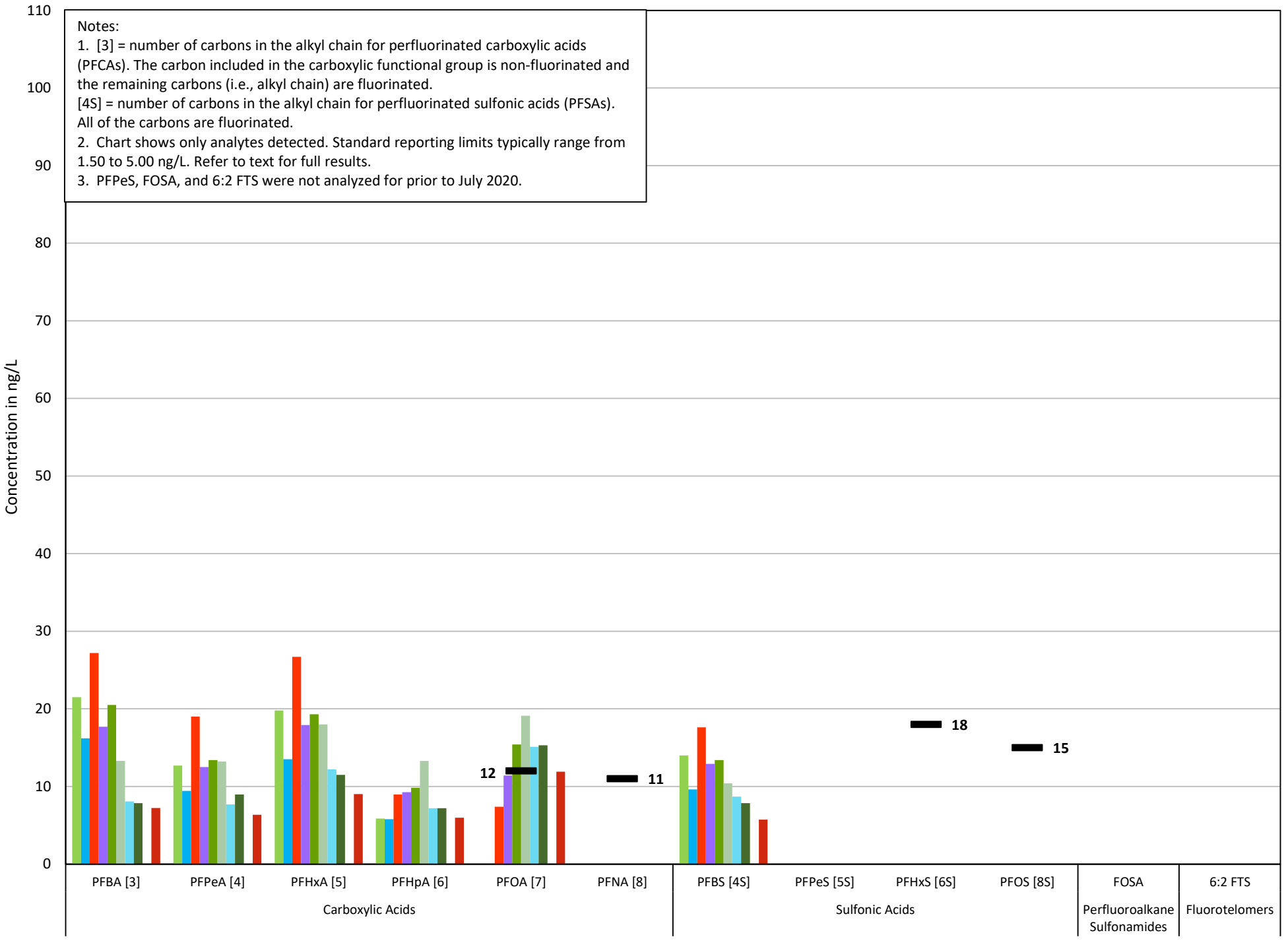
PFAS in B-927U



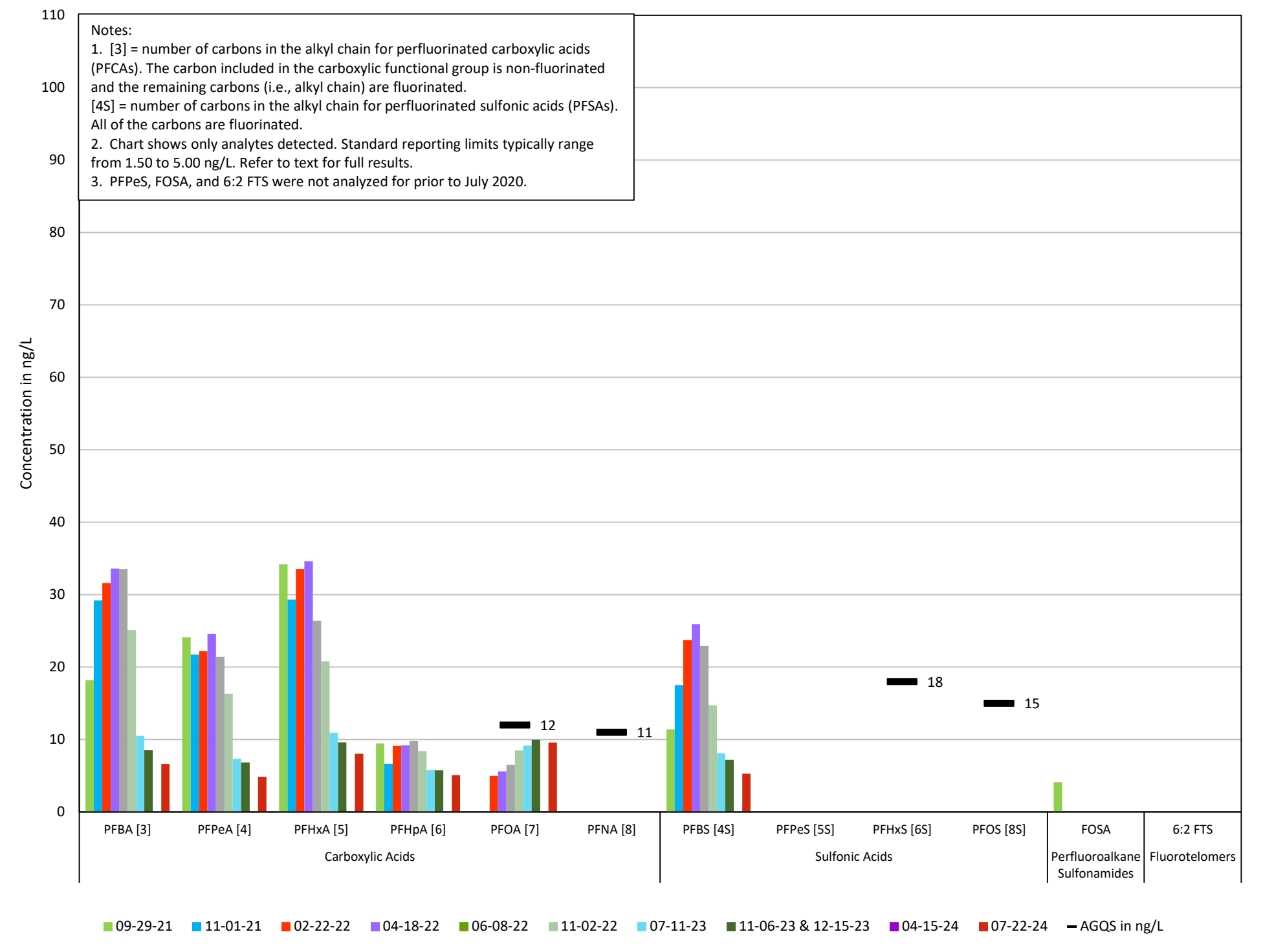
PFAS in B-927M



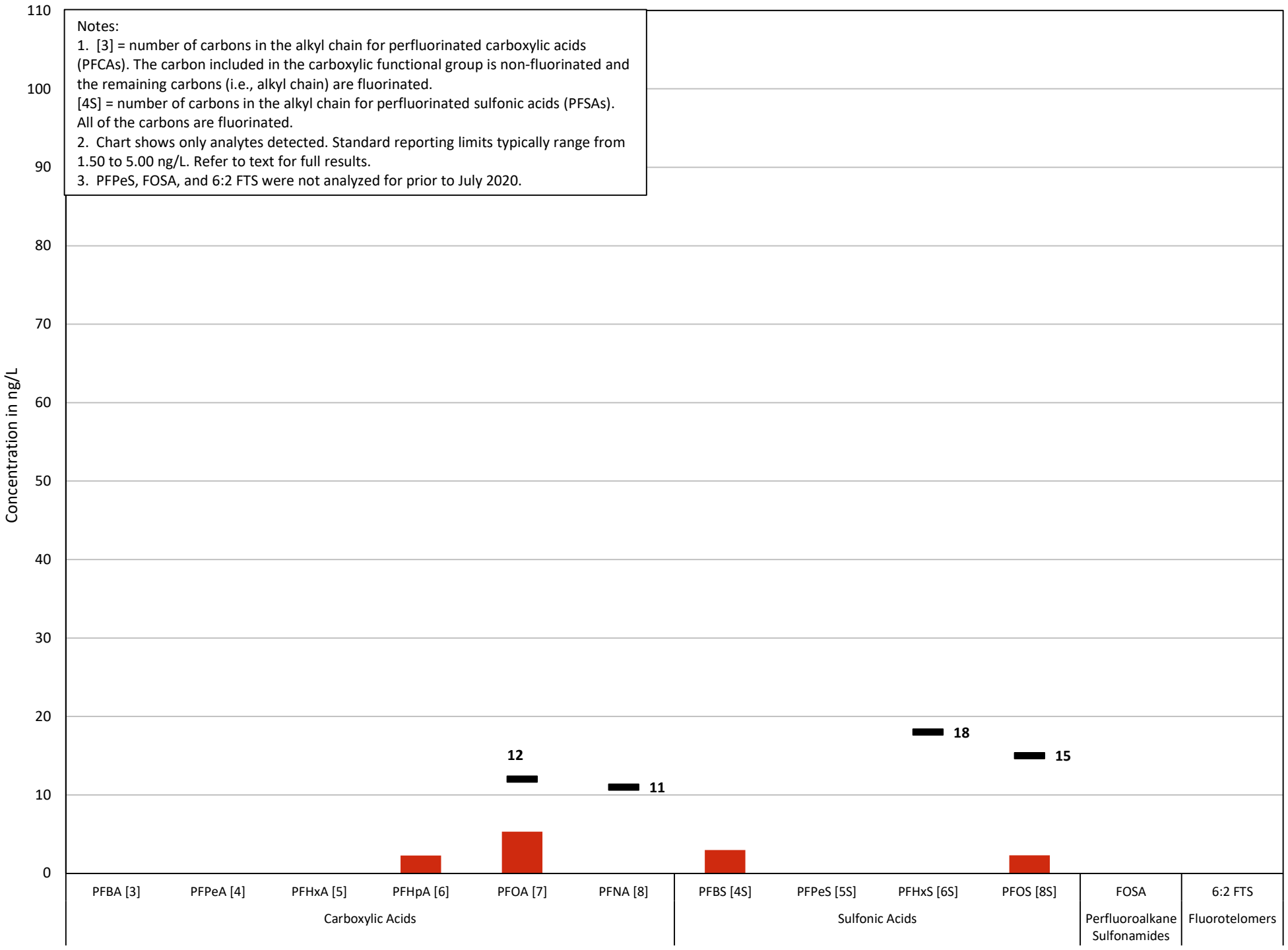
PFAS in B-928U



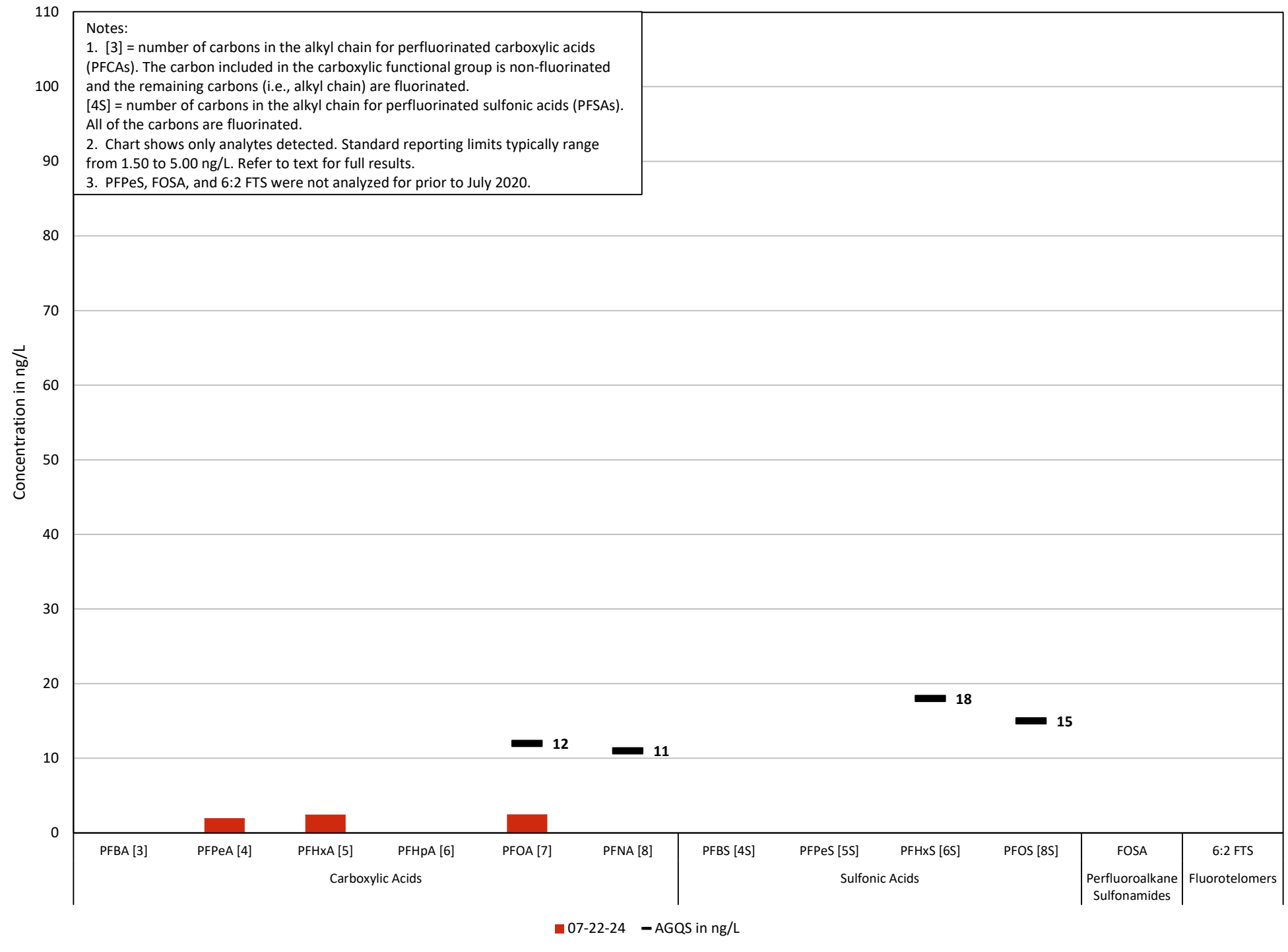
PFAS in B-928D



PFAS in B-932U



PFAS in B-932L



Appendix E

Field Sampling Summary Forms

Groundwater Quality Field Sampling Summary

SANBORN HEAD

Project Number:	2637.11	Date(s):	July 22-23, 2024
Project Name:	North Country Environmental Services, Inc.	Project Manager:	T. White, M. Estabrooks
Project Location:	Bethlehem, New Hampshire	Collector(s):	M. Stein, P. Pryor, G. Duberek
pH, Conductivity, Temperature Meter(s): Oakton PC450		Weather:	7/22: Clear, 60-70s °F; 7/23: Light rain AM, cloudy, 60-70s °F
Water Level Meter(s): Heron Dipper T	Turbidity: Hach 2100Q		

Field Measurements

Sampling Location	Sample Date	Sample Time	Ref. Point	Well Dia.	Ref. Point Elev. (ft)	Depth to Water (ft)	Water Table Elev. (ft)	Depth to Bottom Installed (ft bgs)	Depth to Bottom Plunked July 2023 (ft Ref Pt)	Surface Completion Type: Standpipe (SP) Vault (V)	Approx. PVC Height (ft)		pH (S.U.)	Specific Conductance (µS/cm)	Temp. (°C)	Turbidity (NTU)	Well Secured?		Approx. Gallons Purged	Target 3x Well Volume ?	Purge/ Sample Device	Comment No.
											July 2017 Height	AG or BG?					On Arrival	After Sampling				
B-103S	07/23/24	16:10	TPVC	1.5"	1357.64	51.45	1306.19	61	61.28	SP	1.99	AG	6.49	277	14.8	24.9	Y	Y	3.25	Y	Ded. Waterra	2,5,9
B-103D	07/23/24	16:25	TPVC	1.5"	1358.61	52.93	1305.68	66.5	68.36	SP	1.88	AG	6.72	102	15.6	>1,000	Y	Y	4.25	Y	Ded. Waterra	2,9
B-304UR	07/22/24	13:45	TPVC	2"	1338.44	47.50	1290.94	50	52.91	SP	2.15	AG	6.67	347	14.8	77.3	Y	Y	2.75	Y	Ded. Bailer	1,9
B-304DR	07/22/24	14:05	TPVC	2"	1338.24	46.72	1291.52	75	75.50	SP	2.20	AG	6.48	231	15.6	>1,000	Y	Y	14.75	Y	Ded. Waterra	2,9
MW-604	07/22/24	9:07	TPVC	2"	1319.83	39.81	1280.02	75	75.20	SP	2.65	AG	6.88	207	16.8	>1,000	Y	Y	6	N	Ded. Waterra	2,7,9
MW-701	07/23/24	10:15	TPVC	2"	1331.63	14.08	1317.55	23	25.09	SP	2.05	AG	6.50	184	10.4	35.8	Y	Y	6.25	Y	Ded. Bailer	1,9
MW-802	07/23/24	15:38	TPVC	2"	1350.55	44.97	1305.58	52	51.99	SP	3.05	AG	6.09	340	19.0	131	Y	Y	5	Y	Ded. Bailer	1,9
MW-803	07/23/24	15:34	TPVC	2"	1346.38	40.62	1305.76	53	55.45	SP	0.75	AG	6.24	439	19.7	17.4	Y	Y	7.25	Y	Ded. Bailer	1,6,9
B-915U	07/23/24	10:45	TPVC	2"	1338.20	22.85	1315.35	35.75	35.86	SP	1.95	AG	6.30	163	9.9	66.7	Y	Y	3.25	N	Ded. Bailer	1,7,9
B-915M	07/23/24	11:22	TPVC	2"	1338.09	30.52	1307.57	78.72	78.88	SP	3.25	AG	6.53	287	10.0	14	Y	Y	24.75	Y	Ded. Waterra	2,9
B-915D	07/23/24	11:00	TPVC	2"	1338.16	31.16	1307.00	108.18	108.38	SP	1.55	AG	6.71	213	9.4	–	Y	Y	37.75	Y	Ded. Waterra	2
B-916U	07/23/24	9:08	TPVC	2"	1323.76	10.58	1313.18	26.14	26.22	SP	2.42	AG	6.42	61	10.5	18.2	Y	Y	8.75	Y	Ded. Bailer	1,9
B-916M	07/23/24	9:20	TPVC	2"	1323.91	43.31	1280.60	89.5	92.40	SP	2.68	AG	6.71	252	9.7	6.88	Y	Y	23.75	Y	Ded. Waterra	2,9
B-916D	07/23/24	8:55	TPVC	2"	1323.99	51.27	1272.72	126.6	125.65	SP	2.61	AG	11.51	271	11.3	115	Y	Y	11	N	Ded. Waterra	2,7
B-917U	07/22/24	16:45	TPVC	2"	1325.14	28.79	1296.35	38.64	37.56	SP	2.55	AG	7.70	40	9.8	>1,000	Y	Y	2	N	Ded. Bailer	1,7,9
B-909	07/22/24	17:30	TPVC	2"	1325.50	30.68	1294.82	57.55	58.10	SP	2.57	AG	6.78	88	9.6	>1,000	Y	Y	14.25	Y	Ded. Waterra	2,9
B-917D	07/22/24	17:03	TPVC	2"	1325.36	29.41	1295.95	102.86	102.13	SP	2.31	AG	6.88	141	11.5	–	Y	Y	36.5	Y	Ded. Waterra	2
B-918U	07/22/24	15:45	TPVC	2"	1330.59	24.75	1305.84	30.55	31.50	SP	3.00	AG	6.40	320	12.5	235	Y	Y	4.25	Y	Ded. Bailer	1,9
B-918M	07/22/24	15:43	TPVC	2"	1330.23	24.28	1305.95	47.8	47.89	SP	1.78	AG	7.31	171	11.8	18.1	Y	Y	12.25	Y	Ded. Waterra	2,9,10
B-918D	07/22/24	15:55	TPVC	2"	1330.57	33.89	1296.68	126.51	127.30	SP	2.60	AG	7.01	126	12.8	–	Y	Y	46	Y	Ded. Waterra	2
B-919U	07/22/24	11:50	TPVC	2"	1344.27	38.41	1305.86	50	43.42	SP	2.15	AG	6.49	99	14.7	926	Y	Y	0.75	N	Ded. Bailer	1,7,9
B-919M	07/22/24	14:45	TPVC	2"	1344.06	49.94	1294.12	100	101.29	SP	2.25	AG	6.99	181	18.3	174	Y	Y	7.5	N	Ded. Waterra	2,7,9
B-919D	07/22/24	12:40	TPVC	2"	1344.13	49.91	1294.22	150	151.27	SP	1.2	AG	7.00	92	15.3	–	Y	Y	34.25	Y	Ded. Waterra	2
B-923U	07/23/24	12:00	TPVC	2"	1357.38	37.32	1320.06	43.3	46.15	SP	2.7	AG	7.29	75	14.1	427	Y	Y	4.25	Y	Ded. Bailer	1,9
B-924U	07/23/24	11:40	TPVC	2"	1362.00	27.10	1334.90	34.3	37.24	SP	3.0	AG	–	–	–	–	–	–	–	–	–	4
B-924L	07/23/24	12:25	TPVC	2"	1361.25	41.96	1319.29	90.8	93.74	SP	2.6	AG	8.90	113	9.3	–	Y	Y	25	Y	Ded. Waterra	2
B-925U	07/23/24	13:00	TPVC	2"	1365.00	24.87	1340.13	32	37.16	SP	3†	AG	7.54	67	8.7	–	Y	Y	6	Y	Ded. Bailer	1
B-925L	07/23/24	13:11	TPVC	2"	1365.05	44.81	1320.24	81.3	86.88	SP	3†	AG	7.75	122	9.1	–	Y	Y	20.25	Y	Ded. Waterra	2
B-926U	07/23/24	9:50	TPVC	2"	1332.47	23.72	1308.75	29	31.54	SP	2.4	AG	5.87	242	10.6	9.27	Y	Y	1.75	N	Ded. Bailer	1,7,9
B-926L	07/23/24	9:53	TPVC	2"	1332.68	31.45	1301.23	64	66.07	SP	2.5	AG	6.19	222	9.2	2.92	Y	Y	17	Y	Ded. Waterra	2,9
B-927U	07/22/24	12:50	TPVC	2"	1345.58	41.92	1303.66	49.2	52.35	SP	2.7	AG	6.01	359	16.7	856	Y	Y	5.25	Y	Ded. Bailer	1,7,9
B-927M	07/22/24	12:39	TPVC	2"	1345.59	45.46	1300.13	86.3	85.50	SP	2.6	AG	6.67	170	19.1	>1,000	Y	Y	10.25	N	Mega-Monsoon XL Pump	3,7,9
B-927L	07/22/24	13:34	TPVC	2"	1345.61	53.00	1292.61	133.1	134.97	SP	2.6	AG	7.22	103	16.7	–	Y	Y	39.75	Y	Ded. Waterra	2
B-928U	07/22/24	14:40	TPVC	2"	1333.75	44.72	1289.03	51.3	53.99	SP	2.7	AG	5.80	156	11.9	153	Y	Y	4.5	Y	Ded. Bailer	1,9
B-928D	07/22/24	14:44	TPVC	2"	1334.12	49.15	1284.97	71.1	73.19	SP	2.8	AG	6.34	190	13.2	>1,000	Y	Y	12	Y	Ded. Waterra	2,9
B-929U	07/23/24	13:59	TPVC	2"	1376.06	39.04	1337.02	55.2	57.65	SP	2.7¥	AG	6.96	84	9.1	>1,000	Y	Y	9.25	Y	Ded. Bailer	1,9
B-929L	07/23/24	13:48	TPVC	2"	1375.99	44.06	1331.93	95.1	97.77	SP	2.7¥	AG	7.02	79	11.1	–	Y	Y	11	N	Ded. Waterra	2,7
B-930U	07/23/24	14:21	TPVC	2"	1376.69	39.68	1337.01	50.1	52.34	SP	2.7¥	AG	7.01	94	10.2	>1,000	Y	Y	6.25	Y	Ded. Bailer	1,9
B-930L	07/23/24	14:40	TPVC	2"	1376.93	65.65	1311.28	114	116.39	SP	2.7¥	AG	7.27	103	10.3	–	Y	Y	24.5	Y	Ded. Waterra	2
B-931U	07/23/24	14:55	TPVC	2"	1331.86	23.70	1308.16	34.2	36.78	SP	2.7¥	AG	7.48	85	12.4	>1,000	Y	Y	6.5	Y	Ded. Bailer	1,9
B-931L	07/23/24	15:03	TPVC	2"	1332.07	24.10	1307.97	65.9	66.07	SP	2.7¥	AG	7.32	88	11.9	–	Y	Y	20.5	Y	Ded. Waterra	2
QC_FB	07/23/24	16:30	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	8,9

Comments

AG = Above ground
BG = Below ground
1. The monitoring well was purged using a dedicated polyethylene bailer prior to collecting the groundwater sample (using the bailer).
2. The monitoring well was purged using a dedicated Waterra® inertial pump and polyethylene tubing prior to collecting the groundwater sample (directly from the pump discharge line).
3. The monitoring well was purged using a ProActive Mega-Monsoon XL pump with new LDPE tubing.
4. Water level measurement only. The well was not scheduled to be sampled during this monitoring round.
5. Field duplicate (labeled "Dup-1") obtained from well B-103S.
6. Field duplicate (labeled "Dup-2") obtained from well MW-803.
7. Monitoring well purged near dry. Sample collected upon sufficient recharge.
8. Field blank was collected by pouring laboratory-provided PFAS-free water into a laboratory-provided sampling container. The field blank was collected in the vicinity of monitoring well B-103D.
9. Sampled for PFAS. Only PFAS samples were screened for turbidity to support laboratory analysis.
10. Field duplicate (labeled "DUP-PFAS") obtained from well B-918M for PFAS analysis only.
11. Silt at bottom of well.
12. "†" indicates PVC riser was extended July 2021.
"¥" indicates height measured March 2023.

Surface Water Quality Field Sampling Summary

SANBORN HEAD	Project Number:	2637.11	Date(s): July 22, 2024
	Project Name:	North Country Environmental Services, Inc.	
	Project Location:	Bethlehem, New Hampshire	
pH, Conductivity, Temperature Meter(s): Oakton PC450		Project Manager:	T. White, M. Estabrooks
Turbidity Meter: Hach 2100Q		Collector(s):	P. Pryor, G. Durberek
		Weather:	Sunny, 60s°F

Field Measurements

Sampling Location	Sample Date	Sample Time	pH (S.U.)	Specific Conductance (µS/cm)	Temp. (°C)	Turbidity (NTU)	Purge/Sample Device	Comment No.
SF-1	7/22/2024	9:55	7.75	116	10.4	6.90	Laboratory Container	1
Seep S-1	7/22/2024	10:30	7.01	94	9.4	0.58	Laboratory Container	1
S-101	7/22/2024	10:25	7.9	62	6.2	3.67	Laboratory Container	1
S-108	7/22/2024	10:55	7.0	138	15.0	43.1	Laboratory Container	1,2
S-109	7/22/2024	8:55	7.3	178	14.6	18.6	Laboratory Container	1
AR-1	7/22/2024	10:05	7.7	58	17.2	1.71	Laboratory Container	1
AR-2	7/22/2024	9:40	7.9	66	16.5	1.98	Laboratory Container	1
AR-3	7/22/2024	9:15	7.6	64	17.0	5.10	Laboratory Container	1

Comments

1. Surface water samples were collected as grab samples from the above sampling locations.
2. A depression was created for sample collection.

Appendix F

Analytical Laboratory Reports

Eastern Analytical, Inc.
professional laboratory and drilling services

Matt Estabrooks
Sanborn, Head & Associates, Inc. (NH)
6 Bedford Farms Drive, Suite 201
Bedford , NH 03110

Laboratory Report for:

Eastern Analytical, Inc. ID: 282448
Client Identification: NCES | Groundwater / 2637.11
Date Received: 7/23/2024

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) and West Virginia (9910C). 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
- ASTM International

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 — Date 7.31.24

SAMPLE CONDITIONS PAGE

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Temperature upon receipt (°C): 1.8 **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)
282448.01	B-304UR_20240722	7/23/24	7/22/24	13:45	aqueous		Adheres to Sample Acceptance Policy
282448.02	B-304DR_20240722	7/23/24	7/22/24	14:05	aqueous		Adheres to Sample Acceptance Policy
282448.03	MW-604_20240722	7/23/24	7/22/24	09:07	aqueous		Adheres to Sample Acceptance Policy
282448.04	B-917U_20240722	7/23/24	7/22/24	16:45	aqueous		Adheres to Sample Acceptance Policy
282448.05	B-909_20240722	7/23/24	7/22/24	17:30	aqueous		Adheres to Sample Acceptance Policy
282448.06	B-917D_20240722	7/23/24	7/22/24	17:03	aqueous		Adheres to Sample Acceptance Policy
282448.07	B-918U_20240722	7/23/24	7/22/24	15:45	aqueous		Adheres to Sample Acceptance Policy
282448.08	B-918M_20240722	7/23/24	7/22/24	15:43	aqueous		Adheres to Sample Acceptance Policy
282448.09	B-918D_20240722	7/23/24	7/22/24	15:55	aqueous		Adheres to Sample Acceptance Policy
282448.1	B-919U_20240722	7/23/24	7/22/24	11:50	aqueous		Adheres to Sample Acceptance Policy
282448.11	B-919M_20240722	7/23/24	7/22/24	14:45	aqueous		Adheres to Sample Acceptance Policy
282448.12	B-919D_20240722	7/23/24	7/22/24	12:40	aqueous		Adheres to Sample Acceptance Policy
282448.13	B-927U_20240722	7/23/24	7/22/24	12:50	aqueous		Adheres to Sample Acceptance Policy
282448.14	B-927M_20240722	7/23/24	7/22/24	12:39	aqueous		Adheres to Sample Acceptance Policy
282448.15	B-927L_20240722	7/23/24	7/22/24	13:34	aqueous		Adheres to Sample Acceptance Policy
282448.16	B-928U_20240722	7/23/24	7/22/24	14:40	aqueous		Adheres to Sample Acceptance Policy
282448.17	B-928D_20240722	7/23/24	7/22/24	14:44	aqueous		Adheres to Sample Acceptance Policy
282448.18	TB-GW-01_20240722	7/23/24	7/22/24	17:45	aqueous		Adheres to Sample Acceptance Policy
282448.19	TB-LL-GW-01_20240722	7/23/24	7/22/24	17:45	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#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	MW-604_20240722	B-917D_20240722	B-918M_20240722	B-918D_20240722
Lab Sample ID:	282448.03	282448.06	282448.08	282448.09
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/25/24	7/25/24	7/25/24	7/25/24
Analyst:	DGM	DGM	DGM	DGM
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#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	MW-604_20240722	B-917D_20240722	B-918M_20240722	B-918D_20240722
Lab Sample ID:	282448.03	282448.06	282448.08	282448.09
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/25/24	7/25/24	7/25/24	7/25/24
Analyst:	DGM	DGM	DGM	DGM
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Ethylbenzene	< 1	< 1	< 1	< 1
mp-Xylene	< 1	< 1	< 1	< 1
o-Xylene	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2
IsoPropylbenzene	< 1	< 1	< 1	< 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	< 1	< 1	< 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	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1
sec-Butylbenzene	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1
p-Isopropyltoluene	< 1	< 1	< 1	< 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	< 2	< 2	< 2
1,2,3-Trichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr)	**96 %R**	**95 %R**	**94 %R**	**95 %R**
1,2-Dichlorobenzene-d4 (surr)	**101 %R**	**102 %R**	**102 %R**	**103 %R**
Toluene-d8 (surr)	**100 %R**	**99 %R**	**98 %R**	**99 %R**
1,2-Dichloroethane-d4 (surr)	**99 %R**	**100 %R**	**99 %R**	**99 %R**

LABORATORY REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-919D_20240722	B-927L_20240722	B-928U_20240722	B-928D_20240722
Lab Sample ID:	282448.12	282448.15	282448.16	282448.17
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/25/24	7/25/24	7/25/24	7/25/24
Analyst:	DGM	DGM	DGM	DGM
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#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-919D_20240722	B-927L_20240722	B-928U_20240722	B-928D_20240722
Lab Sample ID:	282448.12	282448.15	282448.16	282448.17
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/25/24	7/25/24	7/25/24	7/25/24
Analyst:	DGM	DGM	DGM	DGM
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Ethylbenzene	< 1	< 1	< 1	< 1
mp-Xylene	< 1	< 1	< 1	< 1
o-Xylene	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2
IsoPropylbenzene	< 1	< 1	< 1	< 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	< 1	< 1	< 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	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1
sec-Butylbenzene	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1
p-Isopropyltoluene	< 1	< 1	< 1	< 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	< 2	< 2	< 2
1,2,3-Trichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr)	**94 %R**	**94 %R**	**94 %R**	**94 %R**
1,2-Dichlorobenzene-d4 (surr)	**102 %R**	**102 %R**	**103 %R**	**103 %R**
Toluene-d8 (surr)	**98 %R**	**98 %R**	**99 %R**	**98 %R**
1,2-Dichloroethane-d4 (surr)	**100 %R**	**101 %R**	**100 %R**	**102 %R**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID: TB-GW-01_20240722

Lab Sample ID:	282448.18
Matrix:	aqueous
Date Sampled:	7/22/24
Date Received:	7/23/24
Units:	ug/L
Date of Analysis:	7/25/24
Analyst:	DGM
Method:	8260C
Dilution Factor:	1

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

LABORATORY REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID: TB-GW-01_20240722

Lab Sample ID:	282448.18
Matrix:	aqueous
Date Sampled:	7/22/24
Date Received:	7/23/24
Units:	ug/L
Date of Analysis:	7/25/24
Analyst:	DGM
Method:	8260C
Dilution Factor:	1
Ethylbenzene	< 1
mp-Xylene	< 1
o-Xylene	< 1
Styrene	< 1
Bromoform	< 2
IsoPropylbenzene	< 1
Bromobenzene	< 1
1,1,2,2-Tetrachloroethane	< 1
1,2,3-Trichloropropane	< 0.5
n-Propylbenzene	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
1,3,5-Trimethylbenzene	< 1
tert-Butylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
sec-Butylbenzene	< 1
1,3-Dichlorobenzene	< 1
p-Isopropyltoluene	< 1
1,4-Dichlorobenzene	< 1
1,2-Dichlorobenzene	< 1
n-Butylbenzene	< 1
1,2-Dibromo-3-chloropropane	< 2
1,3,5-Trichlorobenzene	< 1
1,2,4-Trichlorobenzene	< 1
Hexachlorobutadiene	< 0.5
Naphthalene	< 2
1,2,3-Trichlorobenzene	< 0.5
4-Bromofluorobenzene (surr)	**95 %R**
1,2-Dichlorobenzene-d4 (surr)	**102 %R**
Toluene-d8 (surr)	**99 %R**
1,2-Dichloroethane-d4 (surr)	**99 %R**

QC REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 638579-47886/A072424V82601

Client Designation: **NCES | Groundwater / 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 2	20 (102 %R)	19 (97 %R) (5 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
Chloromethane	< 2	16 (81 %R)	15 (77 %R) (5 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
Vinyl chloride	< 1	18 (88 %R)	17 (84 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Bromomethane	< 2	15 (73 %R)	14 (69 %R) (6 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
Chloroethane	< 2	16 (81 %R)	15 (76 %R) (6 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Trichlorofluoromethane	< 2	19 (96 %R)	18 (91 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Diethyl Ether	< 2	16 (78 %R)	15 (75 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Acetone	< 10	16 (80 %R)	16 (80 %R) (1 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
1,1-Dichloroethene	< 0.5	18 (89 %R)	17 (85 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
tert-Butyl Alcohol (TBA)	< 30	90 (90 %R)	88 (88 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Methylene chloride	< 1	17 (87 %R)	17 (83 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Carbon disulfide	< 2	16 (80 %R)	15 (77 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Methyl-t-butyl ether(MTBE)	< 1	17 (83 %R)	16 (81 %R) (2 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Ethyl-t-butyl ether(ETBE)	< 2	19 (95 %R)	18 (92 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Isopropyl ether(DIPE)	< 2	19 (94 %R)	18 (91 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
tert-amyl methyl ether(TAME)	< 2	18 (90 %R)	17 (87 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
trans-1,2-Dichloroethene	< 1	18 (89 %R)	17 (84 %R) (6 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,1-Dichloroethane	< 1	19 (97 %R)	19 (93 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
2,2-Dichloropropane	< 1	17 (84 %R)	16 (79 %R) (6 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
cis-1,2-Dichloroethene	< 1	19 (95 %R)	18 (91 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
2-Butanone(MEK)	< 10	17 (85 %R)	17 (84 %R) (1 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
Bromochloromethane	< 1	20 (98 %R)	19 (95 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Tetrahydrofuran(THF)	< 10	18 (88 %R)	17 (86 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Chloroform	< 1	19 (96 %R)	18 (92 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,1,1-Trichloroethane	< 1	19 (94 %R)	18 (90 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Carbon tetrachloride	< 1	19 (94 %R)	18 (90 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,1-Dichloropropene	< 1	21 (104 %R)	20 (98 %R) (6 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Benzene	< 1	20 (99 %R)	19 (95 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2-Dichloroethane	< 1	17 (86 %R)	18 (92 %R) (7 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Trichloroethene	< 1	20 (99 %R)	19 (95 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2-Dichloropropane	< 1	19 (97 %R)	19 (94 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Dibromomethane	< 1	19 (94 %R)	18 (92 %R) (2 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Bromodichloromethane	< 0.5	17 (86 %R)	17 (83 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,4-Dioxane	< 50	< 50 (106 %R)	< 50 (105 %R) (1 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
4-Methyl-2-pentanone(MIBK)	< 10	18 (89 %R)	17 (87 %R) (2 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
cis-1,3-Dichloropropene	< 0.5	18 (89 %R)	17 (86 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Toluene	< 1	20 (101 %R)	19 (97 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
trans-1,3-Dichloropropene	< 0.5	19 (97 %R)	19 (95 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,1,2-Trichloroethane	< 1	19 (96 %R)	19 (93 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
2-Hexanone	< 10	17 (84 %R)	16 (82 %R) (2 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
Tetrachloroethene	< 1	20 (102 %R)	20 (98 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,3-Dichloropropane	< 1	19 (94 %R)	18 (92 %R) (2 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Dibromochloromethane	< 1	17 (87 %R)	17 (85 %R) (2 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2-Dibromoethane(EDB)	< 0.5	19 (96 %R)	19 (94 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Chlorobenzene	< 1	20 (101 %R)	19 (97 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,1,1,2-Tetrachloroethane	< 1	19 (93 %R)	18 (90 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C

QC REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 638579-47886/A072424V82601

Client Designation: **NCES | Groundwater / 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Ethylbenzene	< 1	21 (103 %R)	20 (98 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
mp-Xylene	< 1	41 (103 %R)	40 (99 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
o-Xylene	< 1	20 (102 %R)	19 (97 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Styrene	< 1	19 (96 %R)	18 (92 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Bromoform	< 2	19 (97 %R)	19 (95 %R) (2 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
IsoPropylbenzene	< 1	19 (94 %R)	18 (90 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Bromobenzene	< 1	20 (98 %R)	19 (94 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,1,2,2-Tetrachloroethane	< 1	19 (94 %R)	18 (92 %R) (2 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2,3-Trichloropropane	< 0.5	18 (92 %R)	18 (90 %R) (2 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
n-Propylbenzene	< 1	21 (106 %R)	20 (101 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
2-Chlorotoluene	< 1	20 (102 %R)	19 (97 %R) (6 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
4-Chlorotoluene	< 1	21 (106 %R)	20 (101 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,3,5-Trimethylbenzene	< 1	20 (102 %R)	19 (97 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
tert-Butylbenzene	< 1	20 (101 %R)	19 (97 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2,4-Trimethylbenzene	< 1	20 (102 %R)	19 (97 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
sec-Butylbenzene	< 1	22 (110 %R)	21 (105 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,3-Dichlorobenzene	< 1	20 (102 %R)	20 (98 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
p-Isopropyltoluene	< 1	22 (108 %R)	21 (103 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,4-Dichlorobenzene	< 1	20 (101 %R)	19 (97 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2-Dichlorobenzene	< 1	20 (99 %R)	19 (95 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
n-Butylbenzene	< 1	22 (112 %R)	21 (107 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2-Dibromo-3-chloropropane	< 2	18 (89 %R)	17 (87 %R) (1 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,3,5-Trichlorobenzene	< 1	21 (105 %R)	20 (101 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2,4-Trichlorobenzene	< 1	21 (103 %R)	20 (99 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Hexachlorobutadiene	< 0.5	19 (94 %R)	18 (92 %R) (2 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Naphthalene	< 2	20 (102 %R)	20 (100 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2,3-Trichlorobenzene	< 0.5	21 (105 %R)	21 (103 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
4-Bromofluorobenzene (surr)	95 %R	101 %R	101 %R	7/25/2024	% Rec	70 - 130		8260C
1,2-Dichlorobenzene-d4 (surr)	102 %R	97 %R	97 %R	7/25/2024	% Rec	70 - 130		8260C
Toluene-d8 (surr)	99 %R	101 %R	101 %R	7/25/2024	% Rec	70 - 130		8260C
1,2-Dichloroethane-d4 (surr)	98 %R	95 %R	95 %R	7/25/2024	% Rec	70 - 130		8260C

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

LABORATORY REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-304UR_20240722	B-304DR_20240722	MW-604_20240722	B-917D_20240722
Lab Sample ID:	282448.01	282448.02	282448.03	282448.06
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/26/24	7/29/24	7/26/24	7/26/24
Analyst:	AMF	AMF	AMF	AMF
Method:	8260B SIM	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	1	1	1	1
1,4-Dioxane	< 0.25	< 0.25	< 0.25	< 0.25
4-Bromofluorobenzene (surr)	**98 %R**	**98 %R**	**98 %R**	**98 %R**
Toluene-d8 (surr)	**99 %R**	**99 %R**	**99 %R**	**99 %R**

LABORATORY REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-918M_20240722	B-918D_20240722	B-919D_20240722	B-927L_20240722
Lab Sample ID:	282448.08	282448.09	282448.12	282448.15
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/26/24	7/26/24	7/26/24	7/29/24
Analyst:	AMF	AMF	AMF	AMF
Method:	8260B SIM	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	1	1	1	1
1,4-Dioxane	< 0.25	< 0.25	< 0.25	< 0.25
4-Bromofluorobenzene (surr)	**98 %R**	**98 %R**	**98 %R**	**100 %R**
Toluene-d8 (surr)	**98 %R**	**98 %R**	**99 %R**	**100 %R**

LABORATORY REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-928U_20240722	B-928D_20240722	TB-LL-GW-01_20240722
Lab Sample ID:	282448.16	282448.17	282448.19
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L
Date of Analysis:	7/26/24	7/29/24	7/26/24
Analyst:	AMF	AMF	AMF
Method:	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	1	1	1
1,4-Dioxane	< 0.25	< 0.25	< 0.25
4-Bromofluorobenzene (surr)	**99 %R**	**99 %R**	**96 %R**
Toluene-d8 (surr)	**99 %R**	**99 %R**	**98 %R**

QC REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 638576-06518/A072624DIOX1

Client Designation: **NCES | Groundwater / 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 0.2	4.4 (87 %R)	4.6 (92 %R) (6 RPD)	7/26/2024	ug/L	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	98 %R	98 %R	99 %R	7/26/2024	% Rec	70 - 130		8260B
Toluene-d8 (surr)	98 %R	98 %R	99 %R	7/26/2024	% Rec	70 - 130		8260B

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

QC REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 638578-43260/A072924DIOX1

Client Designation: **NCES | Groundwater / 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 0.2	4.4 (88 %R)	4.6 (91 %R) (4 RPD)	7/29/2024	ug/L	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	100 %R	99 %R	99 %R	7/29/2024	% Rec	70 - 130		8260B
Toluene-d8 (surr)	100 %R	100 %R	100 %R	7/29/2024	% Rec	70 - 130		8260B

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

LABORATORY REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-304UR_20240722	B-304DR_20240722	MW-604_20240722	B-917U_20240722
Lab Sample ID:	282448.01	282448.02	282448.03	282448.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Extraction/Prep:	7/24/24	7/24/24	7/24/24	7/24/24
Date of Analysis:	7/24/24	7/24/24	7/24/24	7/24/24
Analyst:	WOD	WOD	WOD	WOD
Method:	8011/504	8011/504	8011/504	8011/504
Dilution Factor:	1	1	1	1
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.02
Dibromochloropropane (DBCP)	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1,2-Tetrachloroethane (surr)	**94 %R**	**94 %R**	**97 %R**	**95 %R**

LABORATORY REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-909_20240722	B-917D_20240722	B-918U_20240722	B-918M_20240722
Lab Sample ID:	282448.05	282448.06	282448.07	282448.08
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Extraction/Prep:	7/24/24	7/24/24	7/24/24	7/24/24
Date of Analysis:	7/24/24	7/24/24	7/24/24	7/24/24
Analyst:	WOD	WOD	WOD	WOD
Method:	8011/504	8011/504	8011/504	8011/504
Dilution Factor:	1	1	1	1
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.02
Dibromochloropropane (DBCP)	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1,2-Tetrachloroethane (surr)	**102 %R**	**98 %R**	**95 %R**	**97 %R**

LABORATORY REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-918D_20240722	B-919U_20240722	B-919M_20240722	B-919D_20240722
Lab Sample ID:	282448.09	282448.1	282448.11	282448.12
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Extraction/Prep:	7/24/24	7/24/24	7/24/24	7/24/24
Date of Analysis:	7/24/24	7/24/24	7/24/24	7/24/24
Analyst:	WOD	WOD	WOD	WOD
Method:	8011/504	8011/504	8011/504	8011/504
Dilution Factor:	1	1	1	1
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.02
Dibromochloropropane (DBCP)	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1,2-Tetrachloroethane (surr)	**98 %R**	**98 %R**	**97 %R**	**97 %R**

LABORATORY REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-927U_20240722	B-927M_20240722	B-927L_20240722	B-928U_20240722
Lab Sample ID:	282448.13	282448.14	282448.15	282448.16
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Extraction/Prep:	7/24/24	7/24/24	7/24/24	7/24/24
Date of Analysis:	7/24/24	7/24/24	7/24/24	7/24/24
Analyst:	WOD	WOD	WOD	WOD
Method:	8011/504	8011/504	8011/504	8011/504
Dilution Factor:	1	1	1	1
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.02
Dibromochloropropane (DBCP)	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1,2-Tetrachloroethane (surr)	**97 %R**	**97 %R**	**98 %R**	**98 %R**

LABORATORY REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID: B-928D_20240722

Lab Sample ID:	282448.17
Matrix:	aqueous
Date Sampled:	7/22/24
Date Received:	7/23/24
Units:	ug/L
Date of Extraction/Prep:	7/24/24
Date of Analysis:	7/24/24
Analyst:	WOD
Method:	8011/504
Dilution Factor:	1
1,2-Dibromoethane(EDB)	< 0.02
Dibromochloropropane (DBCP)	< 0.02
1,1,1,2-Tetrachloroethane (surr)	**99 %R**

QC REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 638574-06344/A072424E5041

Client Designation: **NCES | Groundwater / 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,2-Dibromoethane(EDB)	< 0.02	0.10 (102 %R)	0.11 (110 %R) (8 RPD)	7/24/2024	ug/L	70 - 130	20	8011/504
Dibromochloropropane (DBCP)	< 0.02	0.088 (88 %R)	0.094 (94 %R) (7 RPD)	7/24/2024	ug/L	70 - 130	20	8011/504
1,1,1,2-Tetrachloroethane (surr)	95 %R	89 %R	95 %R	7/24/2024	% Rec	65 - 135	20	8011/504

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

LABORATORY REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-304UR_20240722	B-304DR_20240722
Lab Sample ID:	282448.01	282448.02
Matrix:	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24

			Analysis			
			Units	Date	Time	Method	Analyst
Bromide	< 0.1	< 0.1	mg/L	07/25/24	12:10	300.0	SEC
Chloride	**24**	**18**	mg/L	07/23/24	14:27	4500CIE-11	ALS
Nitrate-N	**8.7**	< 0.5	mg/L	07/23/24	14:27	353.2	ALS
TKN	**0.56**	< 0.5	mg/L	07/26/24	14:13	4500N_{org}C/NH3D	GRS
COD	< 10	< 10	mg/L	07/25/24	14:30	H8000	JCS

Sample ID:	MW-604_20240722
Lab Sample ID:	282448.03
Matrix:	aqueous
Date Sampled:	7/22/24
Date Received:	7/23/24

		Analysis			
		Units	Date	Time	Method	Analyst
Bromide	< 0.1	mg/L	07/25/24	12:39	300.0	SEC
Sulfate	**14**	mg/L	07/25/24	12:39	300.0	SEC
Chloride	**8.9**	mg/L	07/23/24	13:54	4500CIE-11	ALS
Nitrate-N	< 0.5	mg/L	07/23/24	13:54	353.2	ALS
TKN	< 0.5	mg/L	07/26/24	14:19	4500N_{org}C/NH3D	GRS
COD	< 10	mg/L	07/25/24	14:30	H8000	JCS

LABORATORY REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-917U_20240722	B-909_20240722	B-917D_20240722	B-918U_20240722					
Lab Sample ID:	282448.04	282448.05	282448.06	282448.07					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24					
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24					
						Analysis			
					Units	Date	Time	Method	Analyst
Bromide	< 0.1	< 0.1	< 0.1	< 0.1	mg/L	07/25/24	12:54	300.0	SEC
Chloride	**1.5**	< 1	**12**	**57**	mg/L	07/23/24	13:56	4500CIE-11	ALS
Nitrate-N	< 0.5	< 0.5	< 0.5	**1.8**	mg/L	07/23/24	13:56	353.2	ALS
TKN	< 0.5	< 0.5	< 0.5	< 0.5	mg/L	07/26/24	14:21	4500N_{org}C/NH3D	GRS
COD	< 10	< 10	< 10	< 10	mg/L	07/25/24	14:30	H8000	JCS

Sample ID:	B-918M_20240722						
Lab Sample ID:	282448.08						
Matrix:	aqueous						
Date Sampled:	7/22/24						
Date Received:	7/23/24						
		Analysis					
	Units	Date	Time	Method	Analyst		
Bromide	< 0.1	mg/L	07/25/24	15:18	300.0	SEC	
Sulfate	**8.4**	mg/L	07/25/24	15:18	300.0	SEC	
Chloride	**12**	mg/L	07/23/24	14:01	4500CIE-11	ALS	
Nitrate-N	**1.0**	mg/L	07/23/24	14:01	353.2	ALS	
TKN	< 0.5	mg/L	07/26/24	14:45	4500N_{org}C/NH3D	GRS	
COD	< 10	mg/L	07/25/24	14:30	H8000	JCS	

LABORATORY REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-918D_20240722	B-919U_20240722	B-919M_20240722	B-919D_20240722		Analysis			
Lab Sample ID:	282448.09	282448.1	282448.11	282448.12					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24					
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24	Units	Date	Time	Method	Analyst
Bromide	< 0.1	< 0.1	< 0.1	< 0.1	mg/L	07/25/24	15:33	300.0	SEC
Chloride	**4.4**	**2.9**	**2.5**	**2.4**	mg/L	07/23/24	14:03	4500CIE-11	ALS
Nitrate-N	< 0.5	< 0.5	< 0.5	< 0.5	mg/L	07/23/24	14:03	353.2	ALS
TKN	< 0.5	< 0.5	< 0.5	< 0.5	mg/L	07/26/24	14:48	$4500N_{org}C/NH3D$	GRS
COD	< 10	< 10	< 10	< 10	mg/L	07/25/24	14:30	H8000	JCS

Sample ID:	B-927U_20240722	B-927M_20240722	B-927L_20240722		Analysis			
Lab Sample ID:	282448.13	282448.14	282448.15					
Matrix:	aqueous	aqueous	aqueous					
Date Sampled:	7/22/24	7/22/24	7/22/24					
Date Received:	7/23/24	7/23/24	7/23/24	Units	Date	Time	Method	Analyst
Bromide	< 0.1	< 0.1	< 0.1	mg/L	07/25/24	16:31	300.0	SEC
Chloride	**51**	**4.2**	**1.7**	mg/L	07/23/24	14:20	4500CIE-11	ALS
Nitrate-N	**2.6**	< 0.5	< 0.5	mg/L	07/23/24	14:20	353.2	ALS
TKN	< 0.5	< 0.5	< 0.5	mg/L	07/26/24	14:59	$4500N_{org}C/NH3D$	GRS
COD	< 10	**41**	**11**	mg/L	07/25/24	14:30	H8000	JCS

LABORATORY REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-928U_20240722	B-928D_20240722
Lab Sample ID:	282448.16	282448.17
Matrix:	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24

			Analysis			
			Units	Date	Time	Method	Analyst
Bromide	< 0.1	< 0.1	mg/L	7/25/24	17:14	300.0	SEC
Sulfate	**13**	**13**	mg/L	7/25/24	17:14	300.0	SEC
Chloride	**9.9**	**11**	mg/L	7/23/24	14:24	4500ClE-11	ALS
Nitrate-N	**0.87**	**0.91**	mg/L	7/23/24	14:24	353.2	ALS
TKN	< 0.5	< 0.5	mg/L	7/26/24	15:07	4500N_{org}C/NH3D	GRS
COD	< 10	< 10	mg/L	7/25/24	14:30	H8000	JCS

QC REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Bromide	< 0.1	1.9 (97 %R)	1.9 (94 %R) (3 RPD)	mg/L	7/26/24	90 - 110	20	300.0
Sulfate	< 1	20 (100 %R)	19 (97 %R) (3 RPD)	mg/L	7/25/24	90 - 110	20	300.0
Chloride	< 1	26 (104 %R)	26 (104 %R) (0 RPD)	mg/L	7/23/24	90 - 110	20	4500ClE-11
Nitrate-N	< 0.5	5.2 (105 %R)	4.9 (99 %R) (6 RPD)	mg/L	7/23/24	90 - 110	20	353.2
TKN	< 0.5	10 (102 %R)	9.9 (99 %R) (3 RPD)	mg/L	7/26/24	90 - 111	20	4500N_{org}C/NH3D-11
COD	< 10	97 (97 %R)	95 (95 %R) (2 RPD)	mg/L	7/25/24	85 - 115	20	H8000

*/! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted, flagged data does not impact the sample data.

LABORATORY REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-304UR_20240722	B-304DR_20240722	MW-604_20240722	B-917U_20240722					
Lab Sample ID:	282448.01	282448.02	282448.03	282448.04					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24					
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Iron	< 0.05	**0.051**	< 0.05	< 0.05	AqDis	mg/L	7/24/24	200.8	DS
Manganese	< 0.005	**1.7**	< 0.005	< 0.005	AqDis	mg/L	7/24/24	200.8	DS

Sample ID:	B-909_20240722	B-917D_20240722	B-918U_20240722	B-918M_20240722					
Lab Sample ID:	282448.05	282448.06	282448.07	282448.08					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24					
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Iron	< 0.05	< 0.05	< 0.05	< 0.05	AqDis	mg/L	7/24/24	200.8	DS
Manganese	< 0.005	< 0.005	< 0.005	< 0.005	AqDis	mg/L	7/24/24	200.8	DS

LABORATORY REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-918D_20240722	B-919U_20240722	B-919M_20240722	B-919D_20240722					
Lab Sample ID:	282448.09	282448.1	282448.11	282448.12					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24					
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Iron	< 0.05	< 0.05	**0.071**	**0.15**	AqDis	mg/L	7/24/24	200.8	DS
Manganese	< 0.005	< 0.005	**1.9**	**0.030**	AqDis	mg/L	7/24/24	200.8	DS

Sample ID:	B-927U_20240722	B-927M_20240722	B-927L_20240722					
Lab Sample ID:	282448.13	282448.14	282448.15					
Matrix:	aqueous	aqueous	aqueous					
Date Sampled:	7/22/24	7/22/24	7/22/24	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/23/24	7/23/24	7/23/24					
Iron	< 0.05	**3.0**	**0.16**	AqDis	mg/L	7/24/24	200.8	DS
Manganese	< 0.005	**0.20**	**0.17**	AqDis	mg/L	7/24/24	200.8	DS

LABORATORY REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-928U_20240722	B-928D_20240722	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Lab Sample ID:	282448.16	282448.17					
Matrix:	aqueous	aqueous					
Date Sampled:	7/22/24	7/22/24					
Date Received:	7/23/24	7/23/24					
Arsenic	< 0.0005	< 0.0005	AqDis	mg/L	7/24/24	200.8	DS
Barium	**0.0094**	**0.011**	AqDis	mg/L	7/24/24	200.8	DS
Cadmium	< 0.001	< 0.001	AqDis	mg/L	7/24/24	200.8	DS
Chromium	< 0.001	< 0.001	AqDis	mg/L	7/24/24	200.8	DS
Iron	< 0.05	< 0.05	AqDis	mg/L	7/24/24	200.8	DS
Lead	< 0.001	< 0.001	AqDis	mg/L	7/24/24	200.8	DS
Manganese	< 0.005	< 0.005	AqDis	mg/L	7/24/24	200.8	DS

QC REPORT

EAI ID#: **282448**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Parameter Name	Blank	LCS	LCSD		Units	Date of Analysis	Limits	RPD	Method
Arsenic	< 0.0005	0.21 (103 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Barium	< 0.001	0.21 (106 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Cadmium	< 0.001	0.20 (98 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Chromium	< 0.001	0.20 (101 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Iron	< 0.05	10 (104 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Lead	< 0.001	0.20 (98 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Manganese	< 0.005	0.20 (102 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8

*/! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted, flagged data does not impact the sample data.

Chain-of-Custody Record

282448

Page 1 of 2

Sample ID	Sampling Date/Time *If Composite, Indicate Both Start & Finish Date/Time	Matrix (see below)	Grab/*Composite	VOCs 8260C	Low Level 1,4-Dioxane	Low Level EDB/DBCP	TKN, COD	Bromide, Chloride, Nitrate	Dissolved Metals List A	Dissolved Metals List B	Dissolved Metals List C	Total Metals List A	Sulfate	# of Containers	NOTES MeOH Vial #
B-304UR_20240722	7/22/24 1345	GW	G		X	X	X	X	X					7	
B-304DR_	1405				X	X	X	X	X					7	
MW-604_	0907			X	X	X	X	X	X				X	9	
B-917U_	1645					X	X	X	X					7	
B-909_	1730					X	X	X	X					5	
B-917D_	1703			X	X	X	X	X	X					9	
B-918U_	1545					X	X	X	X					5	
B-918M_	1543			X	X	X	X	X	X				X	9	
~~DUP-3_~~	PJP ~~1543~~														
B-918D_	1555			X	X	X	X	X	X					9	
Matrix: A-Air; S-Soil; GW-Ground Water; SW-Surface Water; DW-Drining Water; WW-Waste Water; AQ-Aqueous				H	Ice	NSO	S	Ice	N	N	N	N	Ice		
Preservative: H-HCl; N-HNO3; S-H2SO4; Na-NaOH; M-MeOH; NSO-Na2S2O3															

Analyses Requested

Project Manager:	M. Estabrooks / T. White
Company:	Sanborn, Head & Associates, Inc.
Address:	6 Bedford Farms Drive, Suite 201
City:	Bedford State: NH Zip: 03110
Phone	603-229-1900 Ext.:
Fax:	603-229-1919
E-Mail:	mestabrooks@sanbornhead.com
Site Name:	NCES | Groundwater
Project #	2637.11
State:	NH

Regulatory Program: NPDES: RGP POTW Stormwater or GWP, Oil Fund, Brownfield or Other:

Quote #: PO#:

Date Needed: Standard TAT

Temp. 18 °C

Ice? (Yes) No

QA/QC

Reporting Level

A [B] C

or

Presumptive Certainty

Reporting Options

Prelims: [Yes] or No

If Yes: Fax or [PDF]

Electonic Options

[No Fax] [E-Mail] [PDF] [Equis]

Metals: Lists Below **Samples Field Filtered:** YES

A: Fe, Mn

B: Fe, Mn, As, Ba, Cd, Cr, Pb

C: Fe, Mn, As, Ba, Cd, Cr, Pb, Sb, Be, Ni, Ag, Tl

Notes: (i.e., Special Detection Limits, Billing Info, If Different)

Trip blank(s) prepared by EAI.

Bill NCES.

*Report 1,4-dioxane to 0.25 ug/l RL

*Hold Final report until EQuIS EDD ready.

Sampler(s):	MTS, PJP, GAD		
Relinquished By:	Date: 7/22/24	Time: 1945	Received By:
Relinquished By:	Date: 7/23/24	Time: 0800	Received By:
Relinquished By:	Date:	Time:	Received By:

Site History:

Suspected Contamination:

Field Readings:

Eastern Analytical, Inc.
Professional laboratory & drilling services
51 Antrim Ave | Concord, NH 03301 | Tel: 603.228.0525 | 1.800.287.0525 | Fax: 603.228.4591 | E-Mail: customerservice@eailabs.com | www.eailabs.com

Chain-of-Custody Record

Page 2 of 2

282448

Sample ID	Sampling Date/Time *If Composite, Indicate Both Start & Finish Date/Time	Matrix (see below)	Grab/*Composite	Analyses Requested: VOCs 8260C	Low Level 1,4-Dioxane	Low Level EDB/DBCP	TKN, COD	Bromide, Chloride, Nitrate	Dissolved Metals List A	Dissolved Metals List B	Dissolved Metals List C	Total Metals List A	Sulfate	# of Containers	NOTES MeOH Vial #
B-919U_20240722	7/22/24 1150	GW	G			X	X	X	X					5	
B-919M_	1445					X	X	X	X					5	
B-919D_	1240			X	X	X	X	X	X					9	
B-927U_	1250					X	X	X	X					5	
B-927M_	1239					X	X	X	X					5	
B-927L_	1334			X	X	X	X	X	X					9	
B-928U_	1440			X	X	X	X	X	X	X			X	9	
B-928D_	1444			X	X	X	X	X		X			X	9	
TB-GW-01_	1745	AQ	-	X										2	
TB-LL-GW-01_	1745	AQ	-		X									2	
Matrix: A-Air; S-Soil; GW-Ground Water; SW-Surface Water; DW-Drining Water; WW-Waste Water; AQ-Aqueous Preservative: H-HCl; N-HNO3; S-H2SO4; Na-NaOH; M-MeOH; NSO-Na2S2O3				H	Ice	NSO	S	Ice	N	N	N	N	Ice			

Project Manager:	M. Estabrooks / T. White
Company:	Sanborn, Head & Associates, Inc.
Address:	6 Bedford Farms Drive, Suite 201
City:	Bedford State: NH Zip: 03110
Phone	603-229-1900 Ext.:
Fax:	603-229-1919
E-Mail:	mestabrooks@sanbornhead.com
Site Name:	NCES | Groundwater
Project #	2637.11
State:	NH

Regulatory Program: NPDES: RGP POTW Stormwater or GWP, Oil Fund, Brownfield or Other:

Quote #: PO#:

Date Needed: Standard TAT

QA/QC

Reporting Level A [B] C or Presumptive Certainty

Reporting Options Prelims: [Yes] or No — If Yes: Fax or [PDF]

Electonic Options [No Fax] [E-Mail] [PDF] [Equis]

Temp. 18 °C Ice? (Yes) No

Metals: Lists Below **Samples Field Filtered:** YES

A: Fe, Mn

B: Fe, Mn, As, Ba, Cd, Cr, Pb

C: Fe, Mn, As, Ba, Cd, Cr, Pb, Sb, Be, Ni, Ag, Tl

Sampler(s): MTS, PJP, GBD

Relinquished By:	Date: 7/22/24	Time: 1945	Received By:
Relinquished By:	Date: 7/23/24	Time: 0800	Received By:
Relinquished By:	Date:	Time:	Received By:

Notes: (i.e., Special Detection Limits, Billing Info, If Different)

Trip blank(s) prepared by EAI.

Bill NCES.

*Report 1,4-dioxane to 0.25 ug/l RL

*Hold Final report until EQuIS EDD ready.

Site History:

Suspected Contamination:

Field Readings:

Eastern Analytical, Inc.
professional laboratory & drilling services
51 Antrim Ave | Concord, NH 03301 | Tel: 603.228.0525 | 1.800.287.0525 | Fax: 603.228.4591 | E-Mail: customerservice@eailabs.com | www.eailabs.com

Eastern Analytical, Inc.

professional laboratory and drilling services

Matt Estabrooks
Sanborn, Head & Associates, Inc. (NH)
6 Bedford Farms Drive, Suite 201
Bedford , NH 03110

Laboratory Report for:

Eastern Analytical, Inc. ID: 282449
Client Identification: NCES | Groundwater SSI | 2637.11
Date Received: 7/23/2024

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) and West Virginia (9910C). 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
- ASTM International

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 — 8.2.24 Date

SAMPLE CONDITIONS PAGE

EAI ID#: **282449**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater SSI | 2637.11**

Temperature upon receipt (°C): 3.2 **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)
282449.01	B-932U_20240722	7/23/24	7/22/24	10:30	aqueous		Adheres to Sample Acceptance Policy
282449.02	B-932L_20240722	7/23/24	7/22/24	10:19	aqueous		Adheres to Sample Acceptance Policy
282449.03	SSI-TB-GW-01_20240722	7/23/24	7/22/24	10:45	aqueous		Adheres to Sample Acceptance Policy
282449.04	SSI-TB-LL-GW-01_20240722	7/23/24	7/22/24	10:45	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#: **282449**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater SSI | 2637.11**

Sample ID:	B-932U_20240722	B-932L_20240722	SSI-TB-GW-01_20240722
Lab Sample ID:	282449.01	282449.02	282449.03
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L
Date of Analysis:	7/25/24	7/25/24	7/25/24
Analyst:	DGM	DGM	DGM
Method:	8260C	8260C	8260C
Dilution Factor:	1	1	1
Dichlorodifluoromethane	< 2	< 2	< 2
Chloromethane	< 2	< 2	< 2
Vinyl chloride	< 1	< 1	< 1
Bromomethane	< 2	< 2	< 2
Chloroethane	< 2	< 2	< 2
Trichlorofluoromethane	< 2	< 2	< 2
Diethyl Ether	< 2	< 2	< 2
Acetone	< 10	< 10	< 10
1,1-Dichloroethene	< 0.5	< 0.5	< 0.5
tert-Butyl Alcohol (TBA)	< 30	< 30	< 30
Methylene chloride	< 1	< 1	< 1
Carbon disulfide	< 2	< 2	< 2
Methyl-t-butyl ether(MTBE)	< 1	< 1	< 1
Ethyl-t-butyl ether(ETBE)	< 2	< 2	< 2
Isopropyl ether(DIPE)	< 2	< 2	< 2
tert-amyl methyl ether(TAME)	< 2	< 2	< 2
trans-1,2-Dichloroethene	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1
2,2-Dichloropropane	< 1	< 1	< 1
cis-1,2-Dichloroethene	< 1	< 1	< 1
2-Butanone(MEK)	< 10	< 10	< 10
Bromochloromethane	< 1	< 1	< 1
Tetrahydrofuran(THF)	< 10	< 10	< 10
Chloroform	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1
Carbon tetrachloride	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 1	< 1
Benzene	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 1
Trichloroethene	< 1	< 1	< 1
1,2-Dichloropropane	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1
Bromodichloromethane	< 0.5	< 0.5	< 0.5
1,4-Dioxane	< 50	< 50	< 50
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10
cis-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5
Toluene	< 1	< 1	< 1
trans-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	< 1	< 1	< 1
2-Hexanone	< 10	< 10	< 10
Tetrachloroethene	< 1	< 1	< 1
1,3-Dichloropropane	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1
1,2-Dibromoethane(EDB)	< 0.5	< 0.5	< 0.5
Chlorobenzene	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1

LABORATORY REPORT

EAI ID#: **282449**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater SSI | 2637.11**

Sample ID:	B-932U_20240722	B-932L_20240722	SSI-TB-GW-01_20240722
Lab Sample ID:	282449.01	282449.02	282449.03
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L
Date of Analysis:	7/25/24	7/25/24	7/25/24
Analyst:	DGM	DGM	DGM
Method:	8260C	8260C	8260C
Dilution Factor:	1	1	1
Ethylbenzene	< 1	< 1	< 1
mp-Xylene	< 1	< 1	< 1
o-Xylene	< 1	< 1	< 1
Styrene	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2
IsoPropylbenzene	< 1	< 1	< 1
Bromobenzene	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1
1,2,3-Trichloropropane	< 0.5	< 0.5	< 0.5
n-Propylbenzene	< 1	< 1	< 1
2-Chlorotoluene	< 1	< 1	< 1
4-Chlorotoluene	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1	< 1
tert-Butylbenzene	< 1	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1	< 1
sec-Butylbenzene	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1
p-Isopropyltoluene	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1
n-Butylbenzene	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	< 2	< 2	< 2
1,3,5-Trichlorobenzene	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1	< 1
Hexachlorobutadiene	< 0.5	< 0.5	< 0.5
Naphthalene	< 2	< 2	< 2
1,2,3-Trichlorobenzene	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr)	**90 %R**	**91 %R**	**92 %R**
1,2-Dichlorobenzene-d4 (surr)	**106 %R**	**105 %R**	**106 %R**
Toluene-d8 (surr)	**99 %R**	**98 %R**	**99 %R**
1,2-Dichloroethane-d4 (surr)	**103 %R**	**104 %R**	**103 %R**

QC REPORT

EAI ID#: **282449**

Client: **Sanborn, Head & Associates, Inc. (NH)** **Batch ID:** 638580-16632/A072524V82602

Client Designation: **NCES | Groundwater SSI | 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 2	30 (148 %R)	28 (138 %R) (7 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
Chloromethane	< 2	22 (108 %R)	21 (104 %R) (4 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
Vinyl chloride	< 1	23 (116 %R)	22 (108 %R) (7 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Bromomethane	< 2	18 (90 %R)	17 (85 %R) (5 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
Chloroethane	< 2	19 (97 %R)	19 (93 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Trichlorofluoromethane	< 2	23 (115 %R)	20 (101 %R) (13 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Diethyl Ether	< 2	18 (90 %R)	18 (88 %R) (1 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Acetone	< 10	19 (93 %R)	19 (95 %R) (2 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
1,1-Dichloroethene	< 0.5	19 (95 %R)	18 (90 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
tert-Butyl Alcohol (TBA)	< 30	110 (106 %R)	110 (109 %R) (2 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Methylene chloride	< 1	19 (94 %R)	18 (91 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Carbon disulfide	< 2	18 (91 %R)	17 (87 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Methyl-t-butyl ether(MTBE)	< 1	18 (90 %R)	18 (89 %R) (1 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Ethyl-t-butyl ether(ETBE)	< 2	19 (95 %R)	18 (92 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Isopropyl ether(DIPE)	< 2	19 (97 %R)	18 (91 %R) (7 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
tert-amyl methyl ether(TAME)	< 2	18 (90 %R)	17 (87 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
trans-1,2-Dichloroethene	< 1	23 (117 %R)	22 (109 %R) (7 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,1-Dichloroethane	< 1	20 (102 %R)	19 (95 %R) (7 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
2,2-Dichloropropane	< 1	19 (95 %R)	18 (88 %R) (7 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
cis-1,2-Dichloroethene	< 1	19 (97 %R)	19 (93 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
2-Butanone(MEK)	< 10	20 (101 %R)	19 (96 %R) (5 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
Bromochloromethane	< 1	20 (101 %R)	19 (97 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Tetrahydrofuran(THF)	< 10	19 (97 %R)	19 (97 %R) (0 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Chloroform	< 1	20 (101 %R)	19 (95 %R) (6 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,1,1-Trichloroethane	< 1	20 (99 %R)	19 (93 %R) (6 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Carbon tetrachloride	< 1	20 (100 %R)	19 (94 %R) (7 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,1-Dichloropropene	< 1	21 (103 %R)	20 (98 %R) (6 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Benzene	< 1	21 (103 %R)	19 (96 %R) (6 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2-Dichloroethane	< 1	20 (101 %R)	19 (96 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Trichloroethene	< 1	20 (101 %R)	19 (95 %R) (6 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2-Dichloropropane	< 1	20 (100 %R)	19 (95 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Dibromomethane	< 1	20 (99 %R)	19 (96 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Bromodichloromethane	< 0.5	19 (94 %R)	18 (89 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,4-Dioxane	< 50	< 50 (120 %R)	< 50 (123 %R) (2 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
4-Methyl-2-pentanone(MIBK)	< 10	20 (99 %R)	19 (96 %R) (3 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
cis-1,3-Dichloropropene	< 0.5	19 (94 %R)	18 (90 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Toluene	< 1	21 (105 %R)	20 (99 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
trans-1,3-Dichloropropene	< 0.5	21 (104 %R)	20 (100 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,1,2-Trichloroethane	< 1	20 (102 %R)	20 (100 %R) (2 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
2-Hexanone	< 10	19 (94 %R)	18 (89 %R) (5 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
Tetrachloroethene	< 1	21 (103 %R)	20 (98 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,3-Dichloropropane	< 1	20 (100 %R)	19 (97 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Dibromochloromethane	< 1	20 (98 %R)	19 (95 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2-Dibromoethane(EDB)	< 0.5	20 (101 %R)	20 (98 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Chlorobenzene	< 1	21 (104 %R)	20 (99 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,1,1,2-Tetrachloroethane	< 1	20 (101 %R)	19 (96 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C

QC REPORT

EAI ID#: **282449**

Client: **Sanborn, Head & Associates, Inc. (NH)** **Batch ID:** 638580-16632/A072524V82602

Client Designation: **NCES | Groundwater SSI | 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Ethylbenzene	< 1	21 (106 %R)	20 (100 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
mp-Xylene	< 1	43 (107 %R)	41 (101 %R) (6 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
o-Xylene	< 1	21 (104 %R)	20 (99 %R) (6 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Styrene	< 1	16 (81 %R)	14 (71 %R) (13 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Bromoform	< 2	22 (111 %R)	22 (108 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
IsoPropylbenzene	< 1	19 (96 %R)	18 (90 %R) (6 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Bromobenzene	< 1	21 (103 %R)	20 (100 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,1,2,2-Tetrachloroethane	< 1	21 (104 %R)	21 (104 %R) (0 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2,3-Trichloropropane	< 0.5	20 (102 %R)	20 (102 %R) (0 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
n-Propylbenzene	< 1	22 (110 %R)	21 (105 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
2-Chlorotoluene	< 1	22 (108 %R)	21 (103 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
4-Chlorotoluene	< 1	22 (108 %R)	21 (105 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,3,5-Trimethylbenzene	< 1	21 (106 %R)	21 (103 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
tert-Butylbenzene	< 1	21 (106 %R)	20 (102 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2,4-Trimethylbenzene	< 1	21 (107 %R)	20 (102 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
sec-Butylbenzene	< 1	23 (115 %R)	22 (110 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,3-Dichlorobenzene	< 1	21 (104 %R)	20 (101 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
p-Isopropyltoluene	< 1	22 (111 %R)	24 (119 %R) (6 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,4-Dichlorobenzene	< 1	20 (102 %R)	20 (99 %R) (2 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2-Dichlorobenzene	< 1	20 (102 %R)	20 (100 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
n-Butylbenzene	< 1	22 (112 %R)	22 (108 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2-Dibromo-3-chloropropane	< 2	21 (105 %R)	21 (106 %R) (0 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,3,5-Trichlorobenzene	< 1	21 (106 %R)	20 (102 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2,4-Trichlorobenzene	< 1	20 (100 %R)	20 (99 %R) (1 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Hexachlorobutadiene	< 0.5	20 (102 %R)	20 (99 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Naphthalene	< 2	21 (105 %R)	21 (105 %R) (0 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2,3-Trichlorobenzene	< 0.5	21 (107 %R)	21 (105 %R) (1 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
4-Bromofluorobenzene (surr)	88 %R	99 %R	100 %R	7/25/2024	% Rec	70 - 130		8260C
1,2-Dichlorobenzene-d4 (surr)	109 %R	100 %R	100 %R	7/25/2024	% Rec	70 - 130		8260C
Toluene-d8 (surr)	102 %R	103 %R	102 %R	7/25/2024	% Rec	70 - 130		8260C
1,2-Dichloroethane-d4 (surr)	102 %R	98 %R	98 %R	7/25/2024	% Rec	70 - 130		8260C

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

LABORATORY REPORT

EAI ID#: **282449**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater SSI | 2637.11**

Sample ID:	B-932U_20240722	B-932L_20240722	SSI-TB-LL-GW -01_20240722
Lab Sample ID:	282449.01	282449.02	282449.04
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L
Date of Analysis:	7/26/24	7/26/24	7/26/24
Analyst:	AMF	AMF	AMF
Method:	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	1	1	1
1,4-Dioxane	< 0.25	< 0.25	< 0.25
4-Bromofluorobenzene (surr)	**98 %R**	**98 %R**	**97 %R**
Toluene-d8 (surr)	**98 %R**	**99 %R**	**99 %R**

QC REPORT

EAI ID#: **282449**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 638576-06518/A072624DIOX1

Client Designation: **NCES | Groundwater SSI | 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 0.2	4.4 (87 %R)	4.6 (92 %R) (6 RPD)	7/26/2024	ug/L	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	98 %R	98 %R	99 %R	7/26/2024	% Rec	70 - 130		8260B
Toluene-d8 (surr)	98 %R	98 %R	99 %R	7/26/2024	% Rec	70 - 130		8260B

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

LABORATORY REPORT

EAI ID#: **282449**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater SSI | 2637.11**

Sample ID:	B-932U_20240722	B-932L_20240722
Lab Sample ID:	282449.01	282449.02
Matrix:	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24

			Analysis			
			Units	Date	Time	Method	Analyst
Bromide	< 0.1	< 0.1	mg/L	7/25/24	19:09	300.0	SEC
Sulfate	**13**	**9.1**	mg/L	7/25/24	19:09	300.0	SEC
Chloride	**6**	**3.5**	mg/L	7/23/24	14:28	4500CIE-11	ALS
Nitrate-N	< 0.5	< 0.5	mg/L	7/23/24	14:28	353.2	ALS
TKN	< 0.5	< 0.5	mg/L	7/25/24	19:11	4500N_{org}C/NH3D	GRS
COD	< 10	< 10	mg/L	7/25/24	14:30	H8000	JCS

QC REPORT

EAI ID#: **282449**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater SSI | 2637.11**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Bromide	< 0.1	1.9 (97 %R)	1.9 (94 %R) (3 RPD)	mg/L	7/26/24	90 - 110	20	300.0
Sulfate	< 1	20 (100 %R)	19 (97 %R) (3 RPD)	mg/L	7/25/24	90 - 110	20	300.0
Chloride	< 1	26 (104 %R)	26 (104 %R) (0 RPD)	mg/L	7/23/24	90 - 110	20	4500CIE-11
Nitrate-N	< 0.5	5.2 (105 %R)	4.9 (99 %R) (6 RPD)	mg/L	7/23/24	90 - 110	20	353.2
TKN	< 0.5	10 (100 %R)	10 (100 %R) (1 RPD)	mg/L	7/25/24	90 - 111	20	4500N_{org}C/NH3D-11
COD	< 10	97 (97 %R)	95 (95 %R) (2 RPD)	mg/L	7/25/24	85 - 115	20	H8000

*/! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted, flagged data does not impact the sample data.

LABORATORY REPORT

EAI ID#: **282449**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater SSI | 2637.11**

Sample ID:	B-932U_20240722	B-932L_20240722					
Lab Sample ID:	282449.01	282449.02					
Matrix:	aqueous	aqueous					
Date Sampled:	7/22/24	7/22/24	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/23/24	7/23/24					
Antimony	< 0.001	< 0.001	AqDis	mg/L	7/24/24	200.8	DS
Arsenic	< 0.0005	**0.0015**	AqDis	mg/L	7/24/24	200.8	DS
Barium	**0.0099**	**0.0083**	AqDis	mg/L	7/24/24	200.8	DS
Beryllium	< 0.001	< 0.001	AqDis	mg/L	7/24/24	200.8	DS
Cadmium	< 0.001	< 0.001	AqDis	mg/L	7/24/24	200.8	DS
Chromium	< 0.001	**0.0014**	AqDis	mg/L	7/24/24	200.8	DS
Iron	< 0.05	< 0.05	AqDis	mg/L	7/24/24	200.8	DS
Lead	< 0.001	< 0.001	AqDis	mg/L	7/24/24	200.8	DS
Manganese	**0.081**	**0.019**	AqDis	mg/L	7/24/24	200.8	DS
Nickel	< 0.001	< 0.001	AqDis	mg/L	7/24/24	200.8	DS
Silver	< 0.001	< 0.001	AqDis	mg/L	7/24/24	200.8	DS
Thallium	< 0.001	< 0.001	AqDis	mg/L	7/24/24	200.8	DS

QC REPORT

EAI ID#: **282449**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater SSI | 2637.11**

Parameter Name	Blank	LCS	LCSD		Units	Date of Analysis	Limits	RPD	Method
Antimony	< 0.001	0.21 (105 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Arsenic	< 0.0005	0.21 (103 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Barium	< 0.001	0.21 (106 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Beryllium	< 0.001	0.22 (109 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Cadmium	< 0.001	0.20 (98 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Chromium	< 0.001	0.20 (101 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Iron	< 0.05	10 (104 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Lead	< 0.001	0.20 (98 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Manganese	< 0.005	0.20 (102 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Nickel	< 0.001	0.20 (101 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Silver	< 0.001	0.0098 (98 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Thallium	< 0.001	0.20 (102 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8

*/! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted, flagged data does not impact the sample data.

Page 1 of 1

Chain-of-Custody Record

For 282449

Sample ID	Sampling Date/Time *If Composite, Indicate Both Start & Finish Date/Time	Matrix (see below)	Grab/*Composite	Analyses Requested: VOCs 8260C	Low Level 1,4-Dioxane	TKN, COD	Bromide, Chloride, Nitrate	Dissolved Metals List A	Sulfate	# of Containers	NOTES MeOH Vial #
B-932U_20240722	7/22/24 1030	GW	G	X	X	X	X	X	X	7	
B-932L_20240722	7/22/24 1019	GW	G	X	X	X	X	X	X	7	
SSI-TB-GW-01_20240722	7/22/24 1045	AQ	-	X						2	
SSI-TB-LL-GW-01_20240722	7/22/24 1045	AQ	-		X					2	
Matrix: A-Air; S-Soil; GW-Ground Water; SW-Surface Water; DW-Drining Water; WW-Waste Water; AQ-Aqueous Preservative: H-HCl; N-HNO3; S-H2SO4; Na-NaOH; M-MeOH; NSO-Na2S2O3				H	Ice	S	Ice	N	Ice		

Project Manager: M. Estabrooks / T. White
Company: Sanborn, Head & Associates, Inc.
Address: 6 Bedford Farms Drive, Suite 201
City: Bedford State: NH Zip: 03110
Phone 603-229-1900 Ext.:
Fax: 603-229-1919
E-Mail: mestabrooks@sanbornhead.com
Site Name: NCES | Groundwater SSI
Project # 2637.11
State: NH

Regulatory Program: NPDES: RGP POTW Stormwater or GWP, Oil Fund, Brownfield or Other:

Quote #: PO#:

Date Needed: Standard TAT

Temp. 3.2 °C
Ice? (Yes) No

QA/QC
Reporting Level
A [B] C
or
Presumptive Certainty

Reporting Options
Prelims: [Yes] or No
If Yes: Fax or [PDF]

Electonic Options
[No Fax] [E-Mail] [PDF] [Equis]

Metals: Lists Below **Samples Field Filtered:** YES
A: Fe, Mn, As, Ba, Cd, Cr, Pb, Sb, Be, Ni, Ag, Tl
B:
C:

Notes: (i.e., Special Detection Limits, Billing Info, If Different)
Trip blank(s) prepared by EAI.
Bill NCES.
*Report 1,4-dioxane to 0.25 ug/l RL
*Hold Final report until EQuIS EDD ready.

Sampler(s): MTS

	Date	Time	
Relinquished By:	7/22/24	1945	Received By:
Relinquished By:	7/23/24	0800	Received By:
Relinquished By:	Date:	Time:	Received By:

Site History:
Suspected Contamination:
Field Readings:

Eastern Analytical, Inc.
Professional laboratory & drilling services
51 Antrim Ave | Concord, NH 03301 | Tel: 603.228.0525 | 1.800.287.0525 | Fax: 603.228.4591 | E-Mail: customerservice@eailabs.com | www.eailabs.com

Eastern Analytical, Inc.
professional laboratory and drilling services

Matt Estabrooks
Sanborn, Head & Associates, Inc. (NH)
6 Bedford Farms Drive, Suite 201
Bedford , NH 03110

Laboratory Report for:

Eastern Analytical, Inc. ID: 282452
Client Identification: NCES | Surface Water | 2637.11
Date Received: 7/23/2024

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) and West Virginia (9910C). 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
- ASTM International

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 — 7.31.24 Date

SAMPLE CONDITIONS PAGE

EAI ID#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Surface Water | 2637.11**

Temperature upon receipt (°C): 2.4 **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)
282452.01	S-1_20240722	7/23/24	7/22/24	10:30	aqueous		Adheres to Sample Acceptance Policy
282452.02	SF-1_20240722	7/23/24	7/22/24	09:55	aqueous		Adheres to Sample Acceptance Policy
282452.03	S-101_20240722	7/23/24	7/22/24	10:25	aqueous		Adheres to Sample Acceptance Policy
282452.04	S-108_20240722	7/23/24	7/22/24	10:55	aqueous		Adheres to Sample Acceptance Policy
282452.05	S-109_20240722	7/23/24	7/22/24	08:55	aqueous		Adheres to Sample Acceptance Policy
282452.06	AR-1_20240722	7/23/24	7/22/24	10:05	aqueous		Adheres to Sample Acceptance Policy
282452.07	AR-2_20240722	7/23/24	7/22/24	09:40	aqueous		Adheres to Sample Acceptance Policy
282452.08	AR-3_20240722	7/23/24	7/22/24	09:15	aqueous		Adheres to Sample Acceptance Policy
282452.09	TB-SW-01_20240722	7/23/24	7/22/24	11:00	aqueous		Adheres to Sample Acceptance Policy
282452.1	TB-LL-SW-01_20240722	7/23/24	7/22/24	11:00	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#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Surface Water | 2637.11**

Sample ID:	S-1_20240722	SF-1_20240722	S-101_20240722	S-108_20240722
Lab Sample ID:	282452.01	282452.02	282452.03	282452.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/25/24	7/25/24	7/25/24	7/25/24
Analyst:	DGM	DGM	DGM	DGM
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#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Surface Water | 2637.11**

Sample ID:	S-1_20240722	SF-1_20240722	S-101_20240722	S-108_20240722
Lab Sample ID:	282452.01	282452.02	282452.03	282452.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/25/24	7/25/24	7/25/24	7/25/24
Analyst:	DGM	DGM	DGM	DGM
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Ethylbenzene	< 1	< 1	< 1	< 1
mp-Xylene	< 1	< 1	< 1	< 1
o-Xylene	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2
IsoPropylbenzene	< 1	< 1	< 1	< 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	< 1	< 1	< 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	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1
sec-Butylbenzene	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1
p-Isopropyltoluene	< 1	< 1	< 1	< 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	< 2	< 2	< 2
1,2,3-Trichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr)	**95 %R**	**95 %R**	**94 %R**	**94 %R**
1,2-Dichlorobenzene-d4 (surr)	**103 %R**	**103 %R**	**104 %R**	**102 %R**
Toluene-d8 (surr)	**98 %R**	**98 %R**	**98 %R**	**98 %R**
1,2-Dichloroethane-d4 (surr)	**101 %R**	**101 %R**	**100 %R**	**101 %R**

LABORATORY REPORT

EAI ID#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Surface Water | 2637.11**

Sample ID:	S-109_20240722	AR-1_20240722	AR-2_20240722	AR-3_20240722
Lab Sample ID:	282452.05	282452.06	282452.07	282452.08
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/25/24	7/25/24	7/25/24	7/25/24
Analyst:	DGM	DGM	DGM	DGM
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#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Surface Water | 2637.11**

Sample ID:	S-109_20240722	AR-1_20240722	AR-2_20240722	AR-3_20240722
Lab Sample ID:	282452.05	282452.06	282452.07	282452.08
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/25/24	7/25/24	7/25/24	7/25/24
Analyst:	DGM	DGM	DGM	DGM
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Ethylbenzene	< 1	< 1	< 1	< 1
mp-Xylene	< 1	< 1	< 1	< 1
o-Xylene	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2
IsoPropylbenzene	< 1	< 1	< 1	< 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	< 1	< 1	< 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	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1
sec-Butylbenzene	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1
p-Isopropyltoluene	< 1	< 1	< 1	< 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	< 2	< 2	< 2
1,2,3-Trichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr)	**94 %R**	**94 %R**	**94 %R**	**94 %R**
1,2-Dichlorobenzene-d4 (surr)	**104 %R**	**102 %R**	**103 %R**	**103 %R**
Toluene-d8 (surr)	**99 %R**	**98 %R**	**98 %R**	**98 %R**
1,2-Dichloroethane-d4 (surr)	**101 %R**	**102 %R**	**102 %R**	**101 %R**

LABORATORY REPORT

EAI ID#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Surface Water | 2637.11**

Sample ID: TB-SW-01_20240722

Lab Sample ID:	282452.09
Matrix:	aqueous
Date Sampled:	7/22/24
Date Received:	7/23/24
Units:	ug/L
Date of Analysis:	7/25/24
Analyst:	DGM
Method:	8260C
Dilution Factor:	1

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

LABORATORY REPORT

EAI ID#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Surface Water | 2637.11**

Sample ID: TB-SW-01_20240722

Lab Sample ID:	282452.09
Matrix:	aqueous
Date Sampled:	7/22/24
Date Received:	7/23/24
Units:	ug/L
Date of Analysis:	7/25/24
Analyst:	DGM
Method:	8260C
Dilution Factor:	1
Ethylbenzene	< 1
mp-Xylene	< 1
o-Xylene	< 1
Styrene	< 1
Bromoform	< 2
IsoPropylbenzene	< 1
Bromobenzene	< 1
1,1,2,2-Tetrachloroethane	< 1
1,2,3-Trichloropropane	< 0.5
n-Propylbenzene	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
1,3,5-Trimethylbenzene	< 1
tert-Butylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
sec-Butylbenzene	< 1
1,3-Dichlorobenzene	< 1
p-Isopropyltoluene	< 1
1,4-Dichlorobenzene	< 1
1,2-Dichlorobenzene	< 1
n-Butylbenzene	< 1
1,2-Dibromo-3-chloropropane	< 2
1,3,5-Trichlorobenzene	< 1
1,2,4-Trichlorobenzene	< 1
Hexachlorobutadiene	< 0.5
Naphthalene	< 2
1,2,3-Trichlorobenzene	< 0.5
4-Bromofluorobenzene (surr)	**96 %R**
1,2-Dichlorobenzene-d4 (surr)	**102 %R**
Toluene-d8 (surr)	**99 %R**
1,2-Dichloroethane-d4 (surr)	**100 %R**

QC REPORT

EAI ID#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 638579-47886/A072424V82601

Client Designation: **NCES | Surface Water | 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 2	20 (102 %R)	19 (97 %R) (5 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
Chloromethane	< 2	16 (81 %R)	15 (77 %R) (5 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
Vinyl chloride	< 1	18 (88 %R)	17 (84 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Bromomethane	< 2	15 (73 %R)	14 (69 %R) (6 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
Chloroethane	< 2	16 (81 %R)	15 (76 %R) (6 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Trichlorofluoromethane	< 2	19 (96 %R)	18 (91 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Diethyl Ether	< 2	16 (78 %R)	15 (75 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Acetone	< 10	16 (80 %R)	16 (80 %R) (1 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
1,1-Dichloroethene	< 0.5	18 (89 %R)	17 (85 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
tert-Butyl Alcohol (TBA)	< 30	90 (90 %R)	88 (88 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Methylene chloride	< 1	17 (87 %R)	17 (83 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Carbon disulfide	< 2	16 (80 %R)	15 (77 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Methyl-t-butyl ether(MTBE)	< 1	17 (83 %R)	16 (81 %R) (2 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Ethyl-t-butyl ether(ETBE)	< 2	19 (95 %R)	18 (92 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Isopropyl ether(DIPE)	< 2	19 (94 %R)	18 (91 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
tert-amyl methyl ether(TAME)	< 2	18 (90 %R)	17 (87 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
trans-1,2-Dichloroethene	< 1	18 (89 %R)	17 (84 %R) (6 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,1-Dichloroethane	< 1	19 (97 %R)	19 (93 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
2,2-Dichloropropane	< 1	17 (84 %R)	16 (79 %R) (6 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
cis-1,2-Dichloroethene	< 1	19 (95 %R)	18 (91 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
2-Butanone(MEK)	< 10	17 (85 %R)	17 (84 %R) (1 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
Bromochloromethane	< 1	20 (98 %R)	19 (95 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Tetrahydrofuran(THF)	< 10	18 (88 %R)	17 (86 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Chloroform	< 1	19 (96 %R)	18 (92 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,1,1-Trichloroethane	< 1	19 (94 %R)	18 (90 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Carbon tetrachloride	< 1	19 (94 %R)	18 (90 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,1-Dichloropropene	< 1	21 (104 %R)	20 (98 %R) (6 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Benzene	< 1	20 (99 %R)	19 (95 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2-Dichloroethane	< 1	17 (86 %R)	18 (92 %R) (7 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Trichloroethene	< 1	20 (99 %R)	19 (95 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2-Dichloropropane	< 1	19 (97 %R)	19 (94 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Dibromomethane	< 1	19 (94 %R)	18 (92 %R) (2 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Bromodichloromethane	< 0.5	17 (86 %R)	17 (83 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,4-Dioxane	< 50	< 50 (106 %R)	< 50 (105 %R) (1 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
4-Methyl-2-pentanone(MIBK)	< 10	18 (89 %R)	17 (87 %R) (2 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
cis-1,3-Dichloropropene	< 0.5	18 (89 %R)	17 (86 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Toluene	< 1	20 (101 %R)	19 (97 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
trans-1,3-Dichloropropene	< 0.5	19 (97 %R)	19 (95 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,1,2-Trichloroethane	< 1	19 (96 %R)	19 (93 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
2-Hexanone	< 10	17 (84 %R)	16 (82 %R) (2 RPD)	7/25/2024	ug/L	40 - 160	20	8260C
Tetrachloroethene	< 1	20 (102 %R)	20 (98 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,3-Dichloropropane	< 1	19 (94 %R)	18 (92 %R) (2 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Dibromochloromethane	< 1	17 (87 %R)	17 (85 %R) (2 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2-Dibromoethane(EDB)	< 0.5	19 (96 %R)	19 (94 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Chlorobenzene	< 1	20 (101 %R)	19 (97 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,1,1,2-Tetrachloroethane	< 1	19 (93 %R)	18 (90 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C

QC REPORT

EAI ID#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 638579-47886/A072424V82601

Client Designation: **NCES | Surface Water | 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Ethylbenzene	< 1	21 (103 %R)	20 (98 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
mp-Xylene	< 1	41 (103 %R)	40 (99 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
o-Xylene	< 1	20 (102 %R)	19 (97 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Styrene	< 1	19 (96 %R)	18 (92 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Bromoform	< 2	19 (97 %R)	19 (95 %R) (2 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
IsoPropylbenzene	< 1	19 (94 %R)	18 (90 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Bromobenzene	< 1	20 (98 %R)	19 (94 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,1,2,2-Tetrachloroethane	< 1	19 (94 %R)	18 (92 %R) (2 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2,3-Trichloropropane	< 0.5	18 (92 %R)	18 (90 %R) (2 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
n-Propylbenzene	< 1	21 (106 %R)	20 (101 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
2-Chlorotoluene	< 1	20 (102 %R)	19 (97 %R) (6 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
4-Chlorotoluene	< 1	21 (106 %R)	20 (101 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,3,5-Trimethylbenzene	< 1	20 (102 %R)	19 (97 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
tert-Butylbenzene	< 1	20 (101 %R)	19 (97 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2,4-Trimethylbenzene	< 1	20 (102 %R)	19 (97 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
sec-Butylbenzene	< 1	22 (110 %R)	21 (105 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,3-Dichlorobenzene	< 1	20 (102 %R)	20 (98 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
p-Isopropyltoluene	< 1	22 (108 %R)	21 (103 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,4-Dichlorobenzene	< 1	20 (101 %R)	19 (97 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2-Dichlorobenzene	< 1	20 (99 %R)	19 (95 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
n-Butylbenzene	< 1	22 (112 %R)	21 (107 %R) (5 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2-Dibromo-3-chloropropane	< 2	18 (89 %R)	17 (87 %R) (1 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,3,5-Trichlorobenzene	< 1	21 (105 %R)	20 (101 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2,4-Trichlorobenzene	< 1	21 (103 %R)	20 (99 %R) (4 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Hexachlorobutadiene	< 0.5	19 (94 %R)	18 (92 %R) (2 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
Naphthalene	< 2	20 (102 %R)	20 (100 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
1,2,3-Trichlorobenzene	< 0.5	21 (105 %R)	21 (103 %R) (3 RPD)	7/25/2024	ug/L	70 - 130	20	8260C
4-Bromofluorobenzene (surr)	95 %R	101 %R	101 %R	7/25/2024	% Rec	70 - 130		8260C
1,2-Dichlorobenzene-d4 (surr)	102 %R	97 %R	97 %R	7/25/2024	% Rec	70 - 130		8260C
Toluene-d8 (surr)	99 %R	101 %R	101 %R	7/25/2024	% Rec	70 - 130		8260C
1,2-Dichloroethane-d4 (surr)	98 %R	95 %R	95 %R	7/25/2024	% Rec	70 - 130		8260C

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

LABORATORY REPORT

EAI ID#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Surface Water | 2637.11**

Sample ID:	S-1_20240722	SF-1_20240722	S-101_20240722	S-108_20240722
Lab Sample ID:	282452.01	282452.02	282452.03	282452.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/26/24	7/26/24	7/26/24	7/26/24
Analyst:	AMF	AMF	AMF	AMF
Method:	8260B SIM	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	1	1	1	1
1,4-Dioxane	< 0.25	< 0.25	< 0.25	< 0.25
4-Bromofluorobenzene (surr)	**97 %R**	**98 %R**	**97 %R**	**100 %R**
Toluene-d8 (surr)	**99 %R**	**98 %R**	**98 %R**	**100 %R**

LABORATORY REPORT

EAI ID#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Surface Water | 2637.11**

Sample ID:	S-109_20240722	AR-1_20240722	AR-2_20240722	AR-3_20240722
Lab Sample ID:	282452.05	282452.06	282452.07	282452.08
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/26/24	7/27/24	7/27/24	7/27/24
Analyst:	AMF	AMF	AMF	AMF
Method:	8260B SIM	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	1	1	1	1
1,4-Dioxane	< 0.25	< 0.25	< 0.25	< 0.25
4-Bromofluorobenzene (surr)	**101 %R**	**100 %R**	**101 %R**	**101 %R**
Toluene-d8 (surr)	**100 %R**	**99 %R**	**99 %R**	**99 %R**

LABORATORY REPORT

EAI ID#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Surface Water | 2637.11**

Sample ID: TB-LL-SW-01_20240722

Lab Sample ID:	282452.1
Matrix:	aqueous
Date Sampled:	7/22/24
Date Received:	7/23/24
Units:	ug/L
Date of Analysis:	7/29/24
Analyst:	AMF
Method:	8260B SIM
Dilution Factor:	1
1,4-Dioxane	< 0.25
4-Bromofluorobenzene (surr)	**95 %R**
Toluene-d8 (surr)	**98 %R**

QC REPORT

EAI ID#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 638576-06518/A072624DIOX1

Client Designation: **NCES | Surface Water | 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 0.2	4.4 (87 %R)	4.6 (92 %R) (6 RPD)	7/26/2024	ug/L	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	98 %R	98 %R	99 %R	7/26/2024	% Rec	70 - 130		8260B
Toluene-d8 (surr)	98 %R	98 %R	99 %R	7/26/2024	% Rec	70 - 130		8260B

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

QC REPORT

EAI ID#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 638578-43260/A072924DIOX1

Client Designation: **NCES | Surface Water | 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 0.2	4.4 (88 %R)	4.6 (91 %R) (4 RPD)	7/29/2024	ug/L	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	100 %R	99 %R	99 %R	7/29/2024	% Rec	70 - 130		8260B
Toluene-d8 (surr)	100 %R	100 %R	100 %R	7/29/2024	% Rec	70 - 130		8260B

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

LABORATORY REPORT

EAI ID#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Surface Water | 2637.11**

Sample ID:	S-1_20240722	SF-1_20240722	S-101_20240722	S-108_20240722
Lab Sample ID:	282452.01	282452.02	282452.03	282452.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Extraction/Prep:	7/24/24	7/24/24	7/24/24	7/24/24
Date of Analysis:	7/24/24	7/24/24	7/24/24	7/24/24
Analyst:	WOD	WOD	WOD	WOD
Method:	8011/504	8011/504	8011/504	8011/504
Dilution Factor:	1	1	1	1
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.02
Dibromochloropropane (DBCP)	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1,2-Tetrachloroethane (surr)	**98 %R**	**98 %R**	**99 %R**	**98 %R**

LABORATORY REPORT

EAI ID#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Surface Water | 2637.11**

Sample ID:	S-109_20240722	AR-1_20240722	AR-2_20240722	AR-3_20240722
Lab Sample ID:	282452.05	282452.06	282452.07	282452.08
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Extraction/Prep:	7/24/24	7/24/24	7/24/24	7/24/24
Date of Analysis:	7/24/24	7/24/24	7/24/24	7/24/24
Analyst:	WOD	WOD	WOD	WOD
Method:	8011/504	8011/504	8011/504	8011/504
Dilution Factor:	1	1	1	1
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.02
Dibromochloropropane (DBCP)	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1,2-Tetrachloroethane (surr)	**102 %R**	**96 %R**	**100 %R**	**99 %R**

QC REPORT

EAI ID#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 638573-18050/A072324E5041

Client Designation: **NCES | Surface Water | 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,2-Dibromoethane(EDB)	< 0.02	0.095 (95 %R)	0.11 (107 %R) (12 RPD)	7/23/2024	ug/L	70 - 130	20	8011/504
Dibromochloropropane (DBCP)	< 0.02	0.082 (82 %R)	0.092 (92 %R) (11 RPD)	7/23/2024	ug/L	70 - 130	20	8011/504
1,1,1,2-Tetrachloroethane (surr)	69 %R	65 %R	79 %R	7/23/2024	% Rec	65 - 135	20	8011/504

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

QC REPORT

EAI ID#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 638574-06344/A072424E5041

Client Designation: **NCES | Surface Water | 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,2-Dibromoethane(EDB)	< 0.02	0.10 (102 %R)	0.11 (110 %R) (8 RPD)	7/24/2024	ug/L	70 - 130	20	8011/504
Dibromochloropropane (DBCP)	< 0.02	0.088 (88 %R)	0.094 (94 %R) (7 RPD)	7/24/2024	ug/L	70 - 130	20	8011/504
1,1,1,2-Tetrachloroethane (surr)	95 %R	89 %R	95 %R	7/24/2024	% Rec	65 - 135	20	8011/504

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

LABORATORY REPORT

EAI ID#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Surface Water | 2637.11**

Sample ID:	S-1_20240722	SF -1_20240722	S -101_20240722	S -108_20240722					
Lab Sample ID:	282452.01	282452.02	282452.03	282452.04					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24		Analysis			
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24	**Units**	**Date**	**Time**	**Method**	**Analyst**
Chloride	**2.3**	**5.8**	< 1	**5.2**	mg/L	07/23/24	14:46	4500CIE-11	ALS
Nitrate-N	< 0.5	< 0.5	< 0.5	< 0.5	mg/L	07/23/24	14:46	353.2	ALS
TKN	< 0.5	< 0.5	< 0.5	< 0.5	mg/L	07/26/24	15:27	$4500N_{org}C/NH3D$	GRS
COD	< 10	< 10	< 10	**100**	mg/L	07/25/24	10:05	H8000	JCS

Sample ID:	S-109_20240722	AR -1_20240722	AR -2_20240722	AR -3_20240722					
Lab Sample ID:	282452.05	282452.06	282452.07	282452.08					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24		Analysis			
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24	**Units**	**Date**	**Time**	**Method**	**Analyst**
Chloride	**4.9**	**9.1**	**9.4**	**9.4**	mg/L	07/23/24	14:52	4500CIE-11	ALS
Nitrate-N	< 0.5	< 0.5	< 0.5	< 0.5	mg/L	07/23/24	14:52	353.2	ALS
TKN	< 0.5	< 0.5	< 0.5	< 0.5	mg/L	07/26/24	15:38	$4500N_{org}C/NH3D$	GRS
COD	< 10	< 10	< 10	< 10	mg/L	07/25/24	10:05	H8000	JCS

QC REPORT

EAI ID#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Surface Water | 2637.11**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Chloride	< 1	26 (104 %R)	26 (104 %R) (0 RPD)	mg/L	7/23/24	90 - 110	20	4500CIE-11
Nitrate-N	< 0.5	5.2 (105 %R)	4.9 (99 %R) (6 RPD)	mg/L	7/23/24	90 - 110	20	353.2
TKN	< 0.5	10 (102 %R)	9.9 (99 %R) (3 RPD)	mg/L	7/26/24	90 - 111	20	4500N_{org}C/NH3D-11
COD	< 10	100 (100 %R)	97 (97 %R) (2 RPD)	mg/L	7/25/24	85 - 115	20	H8000

*/! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted, flagged data does not impact the sample data.

LABORATORY REPORT

EAI ID#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Surface Water | 2637.11**

Sample ID:	S-1_20240722	SF-1_20240722	S-101_20240722	S-108_20240722					
Lab Sample ID:	282452.01	282452.02	282452.03	282452.04					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24					
Iron	**0.29**	**1.5**	**0.23**	**1.3**	AqTot	mg/L	7/25/24	200.8	DS
Manganese	**0.098**	**0.21**	**0.0067**	**1.5**	AqTot	mg/L	7/25/24	200.8	DS

Sample ID:	S-109_20240722	AR-1_20240722	AR-2_20240722	AR-3_20240722					
Lab Sample ID:	282452.05	282452.06	282452.07	282452.08					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/22/24	7/22/24	7/22/24	7/22/24	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/23/24	7/23/24	7/23/24	7/23/24					
Iron	**0.098**	**0.27**	**0.26**	**0.26**	AqTot	mg/L	7/25/24	200.8	DS
Manganese	**0.29**	**0.018**	**0.017**	**0.023**	AqTot	mg/L	7/25/24	200.8	DS

QC REPORT

EAI ID#: **282452**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Surface Water | 2637.11**

Parameter Name	Blank	LCS	LCSD		Units	Date of Analysis	Limits	RPD	Method
Iron	< 0.05	11 (109 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Manganese	< 0.005	0.42 (105 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8

*/! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted, flagged data does not impact the sample data.

Chain-of-Custody Record

For Lal 282452

Page 1 of 1

Sample ID	Sampling Date/Time *If Composite, Indicate Both Start & Finish Date/Time	Matrix (see below)	Grab/*Composite	VOCs 8260C	Low Level 1,4-Dioxane	Low Level EDB/DBCP	TKN, COD	Nitrate, Chloride	Total Metals	# of Containers	NOTES MeOH Vial #
S-1_20240722	7/22/24 1030	SW	G	X	X	X	X	X	A	9	
SF-1_20240722	0955	SW	G	X	X	X	X	X	A	9	
S-101_20240722	1025	SW	G	X	X	X	X	X	A	9	
S-108_20240722	1055	SW	G	X	X	X	X	X	A	9	
S-109_20240722	0855	SW	G	X	X	X	X	X	A	9	
AR-1_20240722	1005	SW	G	X	X	X	X	X	A	9	
AR-2_20240722	0940	SW	G	X	X	X	X	X	A	9	
AR-3_20240722	0915	SW	G	X	X	X	X	X	A	9	
TB-SW-01_20240722	1100	Aq	G	X						2	
TB-LL-SW-01_20240722	1100	Aq	G		X					2	
Matrix: A-Air; S-Soil; GW-Ground Water; SW-Surface Water; DW-Drining Water; WW-Waste Water; AQ-Aqueous Preservative: H-HCl; N-HNO3; S-H2SO4; Na-NaOH; M-MeOH; NSO-Na2S2O3				H	Ice	NSO	S	Ice	N		

Analyses Requested

Project Manager:	M. Estabrooks / T. White
Company:	Sanborn, Head & Associates, Inc.
Address:	6 Bedford Farms Drive, Suite 201
City:	Bedford State: NH Zip: 03110
Phone	603-229-1900 Ext.:
Fax:	603-229-1919
E-Mail:	mestabrooks@sanbornhead.com
Site Name:	NCES | Surface Water
Project #	2637.11
State:	NH

Regulatory Program: NPDES: RGP POTW Stormwater or GWP, Oil Fund, Brownfield or Other:

Quote #: PO#:

Date Needed: Standard TAT

QA/QC

Reporting Level

A [B] C

or

Presumptive Certainty

Reporting Options

Prelims: [Yes] or No

If Yes: Fax or [PDF]

Electonic Options

[No Fax] [E-Mail] [PDF] [Equis]

Temp. 2.4 °C

Ice? (Yes) No

Metals: Lists Below **Samples Field Filtered:** N/A

A: Fe, Mn

B:

C:

Notes: (i.e., Special Detection Limits, Billing Info, If Different)

Trip blank(s) prepared by EAI.

Bill NCES.

*Report 1,4-dioxane to 0.25 ug/l RL

*Hold Final report until EQuIS EDD ready.

Sampler(s): PJP, GAD

Relinquished By:	Date:	Time:	Received By:
	7/22/24	1945	
	7/23/24	0800	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Suspected Contamination:

Field Readings:

Eastern Analytical, Inc.
professional laboratory & drilling services
51 Antrim Ave | Concord, NH 03301 | Tel: 603.228.0525 | 1.800.287.0525 | Fax: 603.228.4591 | E-Mail: customerservice@eailabs.com | www.eailabs.com

Eastern Analytical, Inc.
professional laboratory and drilling services

Matt Estabrooks
Sanborn, Head & Associates, Inc. (NH)
6 Bedford Farms Drive, Suite 201
Bedford , NH 03110

Laboratory Report for:

Eastern Analytical, Inc. ID: 282536
Client Identification: NCES | Groundwater / 2637.11
Date Received: 7/24/2024

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) and West Virginia (9910C). 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
- ASTM International

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 — Date: 8.9.24

SAMPLE CONDITIONS PAGE

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Temperature upon receipt (°C): 0.8 **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)
282536.01	B-103S_20240723	7/24/24	7/23/24	16:10	aqueous		Adheres to Sample Acceptance Policy
282536.02	DUP-1_20240723	7/24/24	7/23/24	16:10	aqueous		Adheres to Sample Acceptance Policy
282536.03	B-103D_20240723	7/24/24	7/23/24	16:25	aqueous		Adheres to Sample Acceptance Policy
282536.04	MW-701_20240723	7/24/24	7/23/24	10:15	aqueous		Adheres to Sample Acceptance Policy
282536.05	MW-802_20240723	7/24/24	7/23/24	15:38	aqueous		Adheres to Sample Acceptance Policy
282536.06	MW-803_20240723	7/24/24	7/23/24	15:34	aqueous		Adheres to Sample Acceptance Policy
282536.07	DUP-2_20240723	7/24/24	7/23/24	15:34	aqueous		Adheres to Sample Acceptance Policy
282536.08	B-915U_20240723	7/24/24	7/23/24	10:45	aqueous		Adheres to Sample Acceptance Policy
282536.09	B-915M_20240723	7/24/24	7/23/24	11:22	aqueous		Adheres to Sample Acceptance Policy
282536.1	B-915D_20240723	7/24/24	7/23/24	11:00	aqueous		Adheres to Sample Acceptance Policy
282536.11	B-916U_20240723	7/24/24	7/23/24	09:08	aqueous		Adheres to Sample Acceptance Policy
282536.12	B-916M_20240723	7/24/24	7/23/24	09:20	aqueous		Adheres to Sample Acceptance Policy
282536.13	B-916D_20240723	7/24/24	7/23/24	09:55	aqueous		Adheres to Sample Acceptance Policy
282536.14	B-923U_20240723	7/24/24	7/23/24	12:00	aqueous		Adheres to Sample Acceptance Policy
282536.15	B-924L_20240723	7/24/24	7/23/24	12:25	aqueous		Adheres to Sample Acceptance Policy
282536.16	B-925U_20240723	7/24/24	7/23/24	13:00	aqueous		Adheres to Sample Acceptance Policy
282536.17	B-925L_20240723	7/24/24	7/23/24	13:11	aqueous		Adheres to Sample Acceptance Policy
282536.18	B-926U_20240723	7/24/24	7/23/24	09:50	aqueous		Adheres to Sample Acceptance Policy
282536.19	B-926L_20240723	7/24/24	7/23/24	09:53	aqueous		Adheres to Sample Acceptance Policy
282536.2	B-929U_20240723	7/24/24	7/23/24	13:59	aqueous		Adheres to Sample Acceptance Policy
282536.21	B-929L_20240723	7/24/24	7/23/24	13:48	aqueous		Adheres to Sample Acceptance Policy
282536.22	B-930U_20240723	7/24/24	7/23/24	14:20	aqueous		Adheres to Sample Acceptance Policy
282536.23	B-930L_20240723	7/24/24	7/23/24	14:40	aqueous		Adheres to Sample Acceptance Policy
282536.24	B-931U_20240723	7/24/24	7/23/24	14:55	aqueous		Adheres to Sample Acceptance Policy
282536.25	B-931L_20240723	7/24/24	7/23/24	15:03	aqueous		Adheres to Sample Acceptance Policy
282536.26	TB-GW-02_20240723	7/24/24	7/23/24	00:00	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#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-103S_20240723	DUP-1_20240723	B-103D_20240723	MW-701_20240723
Lab Sample ID:	282536.01	282536.02	282536.03	282536.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/27/24	7/27/24	7/27/24	7/27/24
Analyst:	DGM	DGM	DGM	DGM
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#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-103S_20240723	DUP-1_20240723	B-103D_20240723	MW-701_20240723
Lab Sample ID:	282536.01	282536.02	282536.03	282536.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/27/24	7/27/24	7/27/24	7/27/24
Analyst:	DGM	DGM	DGM	DGM
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Ethylbenzene	< 1	< 1	< 1	< 1
mp-Xylene	< 1	< 1	< 1	< 1
o-Xylene	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2
IsoPropylbenzene	< 1	< 1	< 1	< 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	< 1	< 1	< 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	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1
sec-Butylbenzene	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1
p-Isopropyltoluene	< 1	< 1	< 1	< 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	< 2	< 2	< 2
1,2,3-Trichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr)	**97 %R**	**95 %R**	**95 %R**	**96 %R**
1,2-Dichlorobenzene-d4 (surr)	**103 %R**	**102 %R**	**103 %R**	**103 %R**
Toluene-d8 (surr)	**100 %R**	**98 %R**	**99 %R**	**99 %R**
1,2-Dichloroethane-d4 (surr)	**112 %R**	**113 %R**	**112 %R**	**114 %R**

Bromomethane exhibited recovery below acceptance limits in the Quality Control sample(s). The analyte(s) were not detected in the sample(s).

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-915D_20240723	B-916D_20240723	B-924L_20240723	B-925L_20240723
Lab Sample ID:	282536.1	282536.13	282536.15	282536.17
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/27/24	7/27/24	7/27/24	7/26/24
Analyst:	DGM	DGM	DGM	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#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-915D_20240723	B-916D_20240723	B-924L_20240723	B-925L_20240723
Lab Sample ID:	282536.1	282536.13	282536.15	282536.17
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/27/24	7/27/24	7/27/24	7/26/24
Analyst:	DGM	DGM	DGM	SG
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Ethylbenzene	< 1	< 1	< 1	< 1
mp-Xylene	< 1	< 1	< 1	< 1
o-Xylene	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2
IsoPropylbenzene	< 1	< 1	< 1	< 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	< 1	< 1	< 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	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1
sec-Butylbenzene	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1
p-Isopropyltoluene	< 1	< 1	< 1	< 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	< 2	< 2	< 2
1,2,3-Trichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr)	**95 %R**	**95 %R**	**95 %R**	**91 %R**
1,2-Dichlorobenzene-d4 (surr)	**104 %R**	**103 %R**	**103 %R**	**98 %R**
Toluene-d8 (surr)	**98 %R**	**99 %R**	**98 %R**	**100 %R**
1,2-Dichloroethane-d4 (surr)	**116 %R**	**117 %R**	**117 %R**	**103 %R**

B-915D_20240723, B-916D_20240723, B-924L_20240723: Bromomethane exhibited recovery below acceptance limits in the Quality Control sample(s). The analyte(s) were not detected in the sample(s).

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-929L_20240723	B-930L_20240723	B-931L_20240723	TB-GW-02_20240723
Lab Sample ID:	282536.21	282536.23	282536.25	282536.26
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/26/24	7/26/24	7/26/24	7/26/24
Analyst:	SG	SG	SG	MKB
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#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-929L_20240723	B-930L_20240723	B-931L_20240723	TB-GW-02_20240723
Lab Sample ID:	282536.21	282536.23	282536.25	282536.26
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/26/24	7/26/24	7/26/24	7/26/24
Analyst:	SG	SG	SG	MKB
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Ethylbenzene	< 1	< 1	< 1	< 1
mp-Xylene	< 1	< 1	< 1	< 1
o-Xylene	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2
IsoPropylbenzene	< 1	< 1	< 1	< 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	< 1	< 1	< 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	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1
sec-Butylbenzene	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1
p-Isopropyltoluene	< 1	< 1	< 1	< 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	< 2	< 2	< 2
1,2,3-Trichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr)	**82 %R**	**91 %R**	**92 %R**	**99 %R**
1,2-Dichlorobenzene-d4 (surr)	**99 %R**	**98 %R**	**98 %R**	**102 %R**
Toluene-d8 (surr)	**103 %R**	**100 %R**	**101 %R**	**99 %R**
1,2-Dichloroethane-d4 (surr)	**93 %R**	**104 %R**	**105 %R**	**111 %R**

QC REPORT

EAI ID#: **282535**

Client: **Lebanon, City of**

Batch ID: 63857609134

Client Designation: **Lebanon Landfill**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 2	24 (121 %R)	24 (118 %R) (2 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
Chloromethane	< 2	18 (92 %R)	18 (88 %R) (4 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
Vinyl chloride	< 1	19 (97 %R)	19 (97 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Bromomethane	< 2	11 (53 %R)	13 (65 %R) (21 RPD) !	7/26/2024	ug/L	40 - 160	20	8260C
Chloroethane	< 2	17 (85 %R)	17 (83 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Trichlorofluoromethane	< 2	20 (99 %R)	20 (99 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Diethyl Ether	< 2	17 (86 %R)	17 (87 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Acetone	< 10	17 (87 %R)	16 (80 %R) (9 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
1,1-Dichloroethene	< 0.5	20 (99 %R)	20 (100 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
tert-Butyl Alcohol (TBA)	< 30	99 (99 %R)	94 (94 %R) (6 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Methylene chloride	< 1	18 (91 %R)	18 (91 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Carbon disulfide	< 2	20 (99 %R)	20 (98 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Methyl-t-butyl ether(MTBE)	< 1	19 (95 %R)	19 (97 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Ethyl-t-butyl ether(ETBE)	< 2	20 (102 %R)	21 (104 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Isopropyl ether(DIPE)	< 2	20 (102 %R)	21 (103 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
tert-amyl methyl ether(TAME)	< 2	20 (100 %R)	20 (101 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
trans-1,2-Dichloroethene	< 1	20 (100 %R)	20 (100 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,1-Dichloroethane	< 1	21 (105 %R)	21 (105 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
2,2-Dichloropropane	< 1	20 (101 %R)	20 (100 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
cis-1,2-Dichloroethene	< 1	20 (100 %R)	20 (101 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
2-Butanone(MEK)	< 10	17 (86 %R)	16 (78 %R) (9 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
Bromochloromethane	< 1	19 (97 %R)	20 (99 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Tetrahydrofuran(THF)	< 10	17 (85 %R)	16 (79 %R) (8 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Chloroform	< 1	20 (102 %R)	21 (103 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,1,1-Trichloroethane	< 1	21 (104 %R)	21 (105 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Carbon tetrachloride	< 1	21 (106 %R)	21 (107 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,1-Dichloropropene	< 1	22 (108 %R)	22 (108 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Benzene	< 1	21 (104 %R)	21 (104 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2-Dichloroethane	< 1	20 (101 %R)	21 (103 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Trichloroethene	< 1	21 (103 %R)	21 (103 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2-Dichloropropane	< 1	21 (103 %R)	21 (104 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Dibromomethane	< 1	20 (100 %R)	20 (101 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Bromodichloromethane	< 0.5	19 (97 %R)	20 (98 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,4-Dioxane	< 50	< 50 (91 %R)	< 50 (86 %R) (5 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
4-Methyl-2-pentanone(MIBK)	< 10	17 (83 %R)	16 (78 %R) (6 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
cis-1,3-Dichloropropene	< 0.5	19 (97 %R)	20 (100 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Toluene	< 1	21 (104 %R)	21 (107 %R) (3 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
trans-1,3-Dichloropropene	< 0.5	21 (105 %R)	22 (110 %R) (4 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,1,2-Trichloroethane	< 1	20 (102 %R)	21 (104 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
2-Hexanone	< 10	18 (89 %R)	17 (84 %R) (7 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
Tetrachloroethene	< 1	21 (104 %R)	21 (106 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,3-Dichloropropane	< 1	20 (99 %R)	21 (103 %R) (3 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Dibromochloromethane	< 1	19 (97 %R)	20 (100 %R) (3 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2-Dibromoethane(EDB)	< 0.5	20 (100 %R)	21 (103 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Chlorobenzene	< 1	20 (102 %R)	21 (104 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,1,1,2-Tetrachloroethane	< 1	21 (103 %R)	21 (106 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C

QC REPORT

EAI ID#: **282535**

Client: **Lebanon, City of**

Batch ID: 63857609134

Client Designation: **Lebanon Landfill**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Ethylbenzene	< 1	21 (107 %R)	22 (109 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
mp-Xylene	< 1	43 (108 %R)	44 (110 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
o-Xylene	< 1	21 (105 %R)	21 (107 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Styrene	< 1	22 (110 %R)	22 (112 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Bromoform	< 2	21 (107 %R)	22 (108 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
IsoPropylbenzene.	< 1	19 (96 %R)	20 (98 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Bromobenzene	< 1	20 (99 %R)	20 (101 %R) (3 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,1,2,2-Tetrachloroethane	< 1	20 (100 %R)	20 (99 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2,3-Trichloropropane	< 0.5	19 (93 %R)	18 (92 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
n-Propylbenzene	< 1	21 (106 %R)	22 (108 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
2-Chlorotoluene	< 1	20 (101 %R)	21 (106 %R) (4 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
4-Chlorotoluene	< 1	21 (104 %R)	21 (105 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,3,5-Trimethylbenzene	< 1	21 (105 %R)	21 (107 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
tert-Butylbenzene	< 1	21 (103 %R)	21 (106 %R) (3 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2,4-Trimethylbenzene	< 1	21 (104 %R)	21 (107 %R) (3 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
sec-Butylbenzene	< 1	21 (106 %R)	22 (108 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,3-Dichlorobenzene	< 1	20 (101 %R)	21 (104 %R) (4 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
p-Isopropyltoluene	< 1	20 (100 %R)	20 (102 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,4-Dichlorobenzene	< 1	20 (99 %R)	21 (103 %R) (4 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2-Dichlorobenzene	< 1	20 (100 %R)	21 (105 %R) (5 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
n-Butylbenzene	< 1	18 (91 %R)	19 (93 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2-Dibromo-3-chloropropane	< 2	19 (94 %R)	18 (91 %R) (3 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,3,5-Trichlorobenzene	< 1	20 (101 %R)	21 (105 %R) (4 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2,4-Trichlorobenzene	< 1	19 (95 %R)	19 (97 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Hexachlorobutadiene	< 0.5	19 (95 %R)	19 (96 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Naphthalene	< 2	21 (103 %R)	20 (98 %R) (4 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2,3-Trichlorobenzene	< 0.5	20 (102 %R)	20 (100 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
4-Bromofluorobenzene (surr)	96 %R	100 %R	100 %R	7/26/2024	% Rec	70 - 130		8260C
1,2-Dichlorobenzene-d4 (surr)	102 %R	99 %R	100 %R	7/26/2024	% Rec	70 - 130		8260C
Toluene-d8 (surr)	100 %R	100 %R	102 %R	7/26/2024	% Rec	70 - 130		8260C
1,2-Dichloroethane-d4 (surr)	108 %R	106 %R	104 %R	7/26/2024	% Rec	70 - 130		8260C

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

QC REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 638575-88125/A072624V82601

Client Designation: **NCES | Groundwater / 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 2	23 (116 %R)	24 (118 %R) (2 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
Chloromethane	< 2	18 (90 %R)	19 (94 %R) (4 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
Vinyl chloride	< 1	19 (93 %R)	19 (94 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Bromomethane	< 2	12 (59 %R)	13 (64 %R) (7 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
Chloroethane	< 2	16 (81 %R)	16 (82 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Trichlorofluoromethane	< 2	19 (96 %R)	20 (98 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Diethyl Ether	< 2	16 (82 %R)	17 (83 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Acetone	< 10	15 (76 %R)	16 (81 %R) (7 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
1,1-Dichloroethene	< 0.5	19 (96 %R)	19 (95 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
tert-Butyl Alcohol (TBA)	< 30	92 (92 %R)	99 (99 %R) (8 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Methylene chloride	< 1	17 (87 %R)	18 (88 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Carbon disulfide	< 2	19 (96 %R)	19 (96 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Methyl-t-butyl ether(MTBE)	< 1	19 (93 %R)	19 (94 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Ethyl-t-butyl ether(ETBE)	< 2	20 (99 %R)	20 (101 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Isopropyl ether(DIPE)	< 2	19 (97 %R)	20 (99 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
tert-amyl methyl ether(TAME)	< 2	19 (97 %R)	20 (99 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
trans-1,2-Dichloroethene	< 1	19 (96 %R)	19 (96 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,1-Dichloroethane	< 1	20 (100 %R)	20 (101 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
2,2-Dichloropropane	< 1	21 (103 %R)	21 (103 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
cis-1,2-Dichloroethene	< 1	19 (96 %R)	19 (97 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
2-Butanone(MEK)	< 10	15 (75 %R)	17 (83 %R) (10 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
Bromochloromethane	< 1	19 (95 %R)	19 (95 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Tetrahydrofuran(THF)	< 10	15 (75 %R)	17 (83 %R) (9 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Chloroform	< 1	20 (98 %R)	20 (99 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,1,1-Trichloroethane	< 1	20 (101 %R)	20 (102 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Carbon tetrachloride	< 1	21 (103 %R)	21 (104 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,1-Dichloropropene	< 1	21 (104 %R)	21 (104 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Benzene	< 1	20 (99 %R)	20 (100 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2-Dichloroethane	< 1	19 (96 %R)	19 (97 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Trichloroethene	< 1	20 (100 %R)	20 (101 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2-Dichloropropane	< 1	20 (98 %R)	20 (100 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Dibromomethane	< 1	19 (96 %R)	19 (97 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Bromodichloromethane	< 0.5	19 (95 %R)	19 (95 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,4-Dioxane	< 50	< 50 (81 %R)	< 50 (94 %R) (14 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
4-Methyl-2-pentanone(MIBK)	< 10	16 (80 %R)	17 (87 %R) (8 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
cis-1,3-Dichloropropene	< 0.5	20 (98 %R)	20 (99 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Toluene	< 1	20 (101 %R)	20 (102 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
trans-1,3-Dichloropropene	< 0.5	22 (108 %R)	21 (107 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,1,2-Trichloroethane	< 1	20 (98 %R)	20 (100 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
2-Hexanone	< 10	16 (81 %R)	18 (90 %R) (10 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
Tetrachloroethene	< 1	20 (101 %R)	20 (102 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,3-Dichloropropane	< 1	19 (97 %R)	19 (97 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Dibromochloromethane	< 1	20 (98 %R)	19 (97 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2-Dibromoethane(EDB)	< 0.5	19 (97 %R)	20 (99 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Chlorobenzene	< 1	20 (100 %R)	20 (100 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,1,1,2-Tetrachloroethane	< 1	21 (103 %R)	20 (102 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C

QC REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 638575-88125/A072624V82601

Client Designation: **NCES | Groundwater / 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Ethylbenzene	< 1	21 (105 %R)	21 (106 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
mp-Xylene	< 1	42 (105 %R)	42 (106 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
o-Xylene	< 1	21 (103 %R)	21 (104 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Styrene	< 1	21 (107 %R)	21 (107 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Bromoform	< 2	22 (111 %R)	22 (110 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
IsoPropylbenzene	< 1	19 (95 %R)	19 (95 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Bromobenzene	< 1	19 (97 %R)	19 (97 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,1,2,2-Tetrachloroethane	< 1	19 (95 %R)	20 (98 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2,3-Trichloropropane	< 0.5	18 (89 %R)	18 (92 %R) (3 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
n-Propylbenzene	< 1	21 (103 %R)	21 (105 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
2-Chlorotoluene	< 1	20 (99 %R)	20 (100 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
4-Chlorotoluene	< 1	21 (103 %R)	21 (104 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,3,5-Trimethylbenzene	< 1	21 (103 %R)	21 (105 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
tert-Butylbenzene	< 1	20 (101 %R)	21 (103 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2,4-Trimethylbenzene	< 1	21 (103 %R)	21 (104 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
sec-Butylbenzene	< 1	21 (105 %R)	21 (106 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,3-Dichlorobenzene	< 1	20 (101 %R)	20 (101 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
p-Isopropyltoluene	< 1	20 (99 %R)	20 (101 %R) (2 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,4-Dichlorobenzene	< 1	20 (100 %R)	20 (99 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2-Dichlorobenzene	< 1	20 (102 %R)	20 (101 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
n-Butylbenzene	< 1	18 (92 %R)	18 (92 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2-Dibromo-3-chloropropane	< 2	18 (90 %R)	19 (97 %R) (7 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,3,5-Trichlorobenzene	< 1	21 (104 %R)	21 (104 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2,4-Trichlorobenzene	< 1	20 (98 %R)	19 (97 %R) (1 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Hexachlorobutadiene	< 0.5	20 (101 %R)	20 (101 %R) (0 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Naphthalene	< 2	19 (97 %R)	21 (104 %R) (6 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2,3-Trichlorobenzene	< 0.5	20 (100 %R)	21 (105 %R) (5 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
4-Bromofluorobenzene (surr)	98 %R	101 %R	101 %R	7/26/2024	% Rec	70 - 130		8260C
1,2-Dichlorobenzene-d4 (surr)	97 %R	100 %R	101 %R	7/26/2024	% Rec	70 - 130		8260C
Toluene-d8 (surr)	100 %R	101 %R	101 %R	7/26/2024	% Rec	70 - 130		8260C

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

QC REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 638576-74558/A072624V82603

Client Designation: **NCES | Groundwater / 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 2	31 (157 %R)	29 (143 %R) (10 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
Chloromethane	< 2	25 (123 %R)	22 (111 %R) (10 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
Vinyl chloride	< 1	25 (123 %R)	22 (111 %R) (10 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Bromomethane	< 2	25 (125 %R)	23 (113 %R) (10 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
Chloroethane	< 2	21 (105 %R)	19 (94 %R) (11 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Trichlorofluoromethane	< 2	24 (122 %R)	22 (109 %R) (11 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Diethyl Ether	< 2	19 (96 %R)	17 (86 %R) (11 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Acetone	< 10	20 (99 %R)	18 (92 %R) (7 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
1,1-Dichloroethene	< 0.5	21 (107 %R)	19 (97 %R) (10 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
tert-Butyl Alcohol (TBA)	< 30	100 (100 %R)	92 (92 %R) (8 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Methylene chloride	< 1	21 (105 %R)	19 (94 %R) (11 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Carbon disulfide	< 2	21 (105 %R)	19 (93 %R) (12 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Methyl-t-butyl ether(MTBE)	< 1	21 (103 %R)	18 (92 %R) (11 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Ethyl-t-butyl ether(ETBE)	< 2	21 (104 %R)	19 (94 %R) (11 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Isopropyl ether(DIPE)	< 2	21 (105 %R)	19 (95 %R) (11 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
tert-amyl methyl ether(TAME)	< 2	20 (100 %R)	18 (90 %R) (11 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
trans-1,2-Dichloroethene	< 1	22 (108 %R)	19 (97 %R) (11 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,1-Dichloroethane	< 1	22 (112 %R)	20 (100 %R) (11 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
2,2-Dichloropropane	< 1	22 (112 %R)	20 (99 %R) (13 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
cis-1,2-Dichloroethene	< 1	21 (107 %R)	19 (97 %R) (10 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
2-Butanone(MEK)	< 10	18 (89 %R)	16 (82 %R) (9 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
Bromochloromethane	< 1	21 (106 %R)	19 (96 %R) (10 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Tetrahydrofuran(THF)	< 10	18 (92 %R)	17 (84 %R) (10 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Chloroform	< 1	22 (109 %R)	20 (98 %R) (11 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,1,1-Trichloroethane	< 1	22 (111 %R)	20 (99 %R) (11 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Carbon tetrachloride	< 1	22 (112 %R)	20 (100 %R) (11 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,1-Dichloropropene	< 1	23 (116 %R)	21 (104 %R) (11 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Benzene	< 1	23 (114 %R)	20 (102 %R) (10 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2-Dichloroethane	< 1	22 (109 %R)	20 (98 %R) (10 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Trichloroethene	< 1	23 (113 %R)	20 (101 %R) (11 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2-Dichloropropane	< 1	22 (109 %R)	20 (98 %R) (11 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Dibromomethane	< 1	22 (108 %R)	19 (97 %R) (10 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Bromodichloromethane	< 0.5	21 (104 %R)	19 (93 %R) (11 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,4-Dioxane	< 50	< 50 (97 %R)	< 50 (89 %R) (9 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
4-Methyl-2-pentanone(MIBK)	< 10	19 (93 %R)	17 (84 %R) (10 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
cis-1,3-Dichloropropene	< 0.5	21 (105 %R)	19 (93 %R) (11 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Toluene	< 1	23 (116 %R)	22 (108 %R) (8 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
trans-1,3-Dichloropropene	< 0.5	22 (109 %R)	20 (100 %R) (9 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,1,2-Trichloroethane	< 1	22 (109 %R)	20 (101 %R) (7 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
2-Hexanone	< 10	19 (93 %R)	17 (87 %R) (8 RPD)	7/26/2024	ug/L	40 - 160	20	8260C
Tetrachloroethene	< 1	23 (115 %R)	21 (106 %R) (8 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,3-Dichloropropane	< 1	21 (106 %R)	20 (98 %R) (8 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Dibromochloromethane	< 1	21 (103 %R)	19 (95 %R) (8 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2-Dibromoethane(EDB)	< 0.5	22 (108 %R)	20 (100 %R) (8 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Chlorobenzene	< 1	23 (114 %R)	21 (105 %R) (8 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,1,1,2-Tetrachloroethane	< 1	22 (108 %R)	20 (99 %R) (9 RPD)	7/26/2024	ug/L	70 - 130	20	8260C

QC REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 638576-74558/A072624V82603

Client Designation: **NCES | Groundwater / 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Ethylbenzene	< 1	24 (118 %R)	22 (108 %R) (8 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
mp-Xylene	< 1	48 (121 %R)	45 (111 %R) (8 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
o-Xylene	< 1	23 (115 %R)	21 (106 %R) (8 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Styrene	< 1	23 (117 %R)	21 (107 %R) (8 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Bromoform	< 2	22 (108 %R)	20 (99 %R) (9 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
IsoPropylbenzene	< 1	22 (109 %R)	20 (101 %R) (8 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Bromobenzene	< 1	23 (114 %R)	22 (108 %R) (6 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,1,2,2-Tetrachloroethane	< 1	23 (114 %R)	22 (109 %R) (5 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2,3-Trichloropropane	< 0.5	21 (106 %R)	20 (101 %R) (5 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
n-Propylbenzene	< 1	25 (126 %R)	24 (119 %R) (6 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
2-Chlorotoluene	< 1	24 (119 %R)	22 (112 %R) (6 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
4-Chlorotoluene	< 1	24 (119 %R)	23 (113 %R) (5 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,3,5-Trimethylbenzene	< 1	24 (121 %R)	23 (114 %R) (6 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
tert-Butylbenzene	< 1	24 (118 %R)	22 (112 %R) (6 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2,4-Trimethylbenzene	< 1	24 (120 %R)	23 (113 %R) (6 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
sec-Butylbenzene	< 1	* 26 (131 %R)	25 (124 %R) (6 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,3-Dichlorobenzene	< 1	24 (119 %R)	23 (113 %R) (6 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
p-Isopropyltoluene	< 1	26 (129 %R)	24 (121 %R) (6 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,4-Dichlorobenzene	< 1	24 (119 %R)	22 (112 %R) (6 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2-Dichlorobenzene	< 1	24 (119 %R)	23 (113 %R) (6 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
n-Butylbenzene	< 1	26 (128 %R)	24 (121 %R) (6 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2-Dibromo-3-chloropropane	< 2	22 (110 %R)	21 (104 %R) (5 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,3,5-Trichlorobenzene	< 1	24 (120 %R)	23 (113 %R) (6 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2,4-Trichlorobenzene	< 1	23 (116 %R)	22 (111 %R) (5 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Hexachlorobutadiene	< 0.5	24 (119 %R)	22 (112 %R) (6 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
Naphthalene	< 2	25 (123 %R)	24 (119 %R) (4 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
1,2,3-Trichlorobenzene	< 0.5	25 (123 %R)	24 (118 %R) (5 RPD)	7/26/2024	ug/L	70 - 130	20	8260C
4-Bromofluorobenzene (surr)	90 %R	99 %R	97 %R	7/26/2024	% Rec	70 - 130		8260C
1,2-Dichlorobenzene-d4 (surr)	101 %R	103 %R	103 %R	7/26/2024	% Rec	70 - 130		8260C
Toluene-d8 (surr)	102 %R	100 %R	103 %R	7/26/2024	% Rec	70 - 130		8260C

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

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-103S_20240723	DUP-1_20240723	B-103D_20240723	MW-701_20240723
Lab Sample ID:	282536.01	282536.02	282536.03	282536.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/29/24	7/29/24	7/29/24	7/29/24
Analyst:	AMF	AMF	AMF	AMF
Method:	8260B SIM	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	1	1	1	1
1,4-Dioxane	**0.28**	< 0.25	< 0.25	< 0.25
4-Bromofluorobenzene (surr)	**100 %R**	**100 %R**	**99 %R**	**100 %R**
Toluene-d8 (surr)	**100 %R**	**100 %R**	**100 %R**	**100 %R**

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-915D_20240723	B-916D_20240723	B-924L_20240723	B-925L_20240723
Lab Sample ID:	282536.1	282536.13	282536.15	282536.17
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/29/24	7/29/24	7/29/24	7/29/24
Analyst:	AMF	AMF	AMF	AMF
Method:	8260B SIM	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	1	1	1	1
1,4-Dioxane	< 0.25	< 0.25	< 0.25	< 0.25
4-Bromofluorobenzene (surr)	**99 %R**	**98 %R**	**98 %R**	**99 %R**
Toluene-d8 (surr)	**99 %R**	**99 %R**	**99 %R**	**99 %R**

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-929L_20240723	B-930L_20240723	B-931L_20240723	TB-LL-GW -02_20240723
Lab Sample ID:	282536.21	282536.23	282536.25	282536.27
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/29/24	7/29/24	7/29/24	7/29/24
Analyst:	AMF	AMF	AMF	AMF
Method:	8260B SIM	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	1	1	1	1
1,4-Dioxane	< 0.25	< 0.25	< 0.25	< 0.25
4-Bromofluorobenzene (surr)	**99 %R**	**99 %R**	**97 %R**	**97 %R**
Toluene-d8 (surr)	**99 %R**	**99 %R**	**99 %R**	**99 %R**

QC REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 638578-43260/A072924DIOX1

Client Designation: **NCES | Groundwater / 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 0.2	4.4 (88 %R)	4.6 (91 %R) (4 RPD)	7/29/2024	ug/L	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	100 %R	99 %R	99 %R	7/29/2024	% Rec	70 - 130		8260B
Toluene-d8 (surr)	100 %R	100 %R	100 %R	7/29/2024	% Rec	70 - 130		8260B

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

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-103S_20240723	DUP-1_20240723	B-103D_20240723	MW-701_20240723
Lab Sample ID:	282536.01	282536.02	282536.03	282536.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Extraction/Prep:	7/25/24	7/25/24	7/25/24	7/25/24
Date of Analysis:	7/25/24	7/25/24	7/25/24	7/25/24
Analyst:	WOD	WOD	WOD	WOD
Method:	8011/504	8011/504	8011/504	8011/504
Dilution Factor:	1	1	1	1
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.02
Dibromochloropropane (DBCP)	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1,2-Tetrachloroethane (surr)	**99 %R**	**98 %R**	**98 %R**	**98 %R**

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	MW-802_20240723	MW-803_20240723	DUP-2_20240723	B-915U_20240723
Lab Sample ID:	282536.05	282536.06	282536.07	282536.08
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Extraction/Prep:	7/25/24	7/25/24	7/25/24	7/25/24
Date of Analysis:	7/25/24	7/25/24	7/25/24	7/25/24
Analyst:	WOD	WOD	WOD	WOD
Method:	8011/504	8011/504	8011/504	8011/504
Dilution Factor:	1	1	1	1
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.02
Dibromochloropropane (DBCP)	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1,2-Tetrachloroethane (surr)	**99 %R**	**99 %R**	**98 %R**	**92 %R**

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-915M_20240723	B-915D_20240723	B-916U_20240723	B-916M_20240723
Lab Sample ID:	282536.09	282536.1	282536.11	282536.12
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Extraction/Prep:	7/25/24	7/25/24	7/25/24	7/25/24
Date of Analysis:	7/25/24	7/25/24	7/25/24	7/25/24
Analyst:	WOD	WOD	WOD	WOD
Method:	8011/504	8011/504	8011/504	8011/504
Dilution Factor:	1	1	1	1
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.02
Dibromochloropropane (DBCP)	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1,2-Tetrachloroethane (surr)	**100 %R**	**100 %R**	**102 %R**	**103 %R**

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-916D_20240723	B-926U_20240723	B-926L_20240723	B-929U_20240723
Lab Sample ID:	282536.13	282536.18	282536.19	282536.2
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Extraction/Prep:	7/25/24	7/25/24	7/25/24	7/25/24
Date of Analysis:	7/25/24	7/25/24	7/25/24	7/25/24
Analyst:	WOD	WOD	WOD	WOD
Method:	8011/504	8011/504	8011/504	8011/504
Dilution Factor:	1	1	1	1
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.02
Dibromochloropropane (DBCP)	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1,2-Tetrachloroethane (surr)	**102 %R**	**99 %R**	**101 %R**	**100 %R**

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-929L_20240723	B-930U_20240723	B-930L_20240723	B-931U_20240723
Lab Sample ID:	282536.21	282536.22	282536.23	282536.24
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24
Units:	ug/L	ug/L	ug/L	ug/L
Date of Extraction/Prep:	7/25/24	7/25/24	7/25/24	7/25/24
Date of Analysis:	7/25/24	7/25/24	7/25/24	7/25/24
Analyst:	WOD	WOD	WOD	WOD
Method:	8011/504	8011/504	8011/504	8011/504
Dilution Factor:	1	1	1	1
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.02
Dibromochloropropane (DBCP)	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1,2-Tetrachloroethane (surr)	**101 %R**	**102 %R**	**101 %R**	**100 %R**

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-931L_20240723
Lab Sample ID:	282536.25
Matrix:	aqueous
Date Sampled:	7/23/24
Date Received:	7/24/24
Units:	ug/L
Date of Extraction/Prep:	7/25/24
Date of Analysis:	7/25/24
Analyst:	WOD
Method:	8011/504
Dilution Factor:	1
1,2-Dibromoethane(EDB)	< 0.02
Dibromochloropropane (DBCP)	< 0.02
1,1,1,2-Tetrachloroethane (surr)	**101 %R**

QC REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 638574-93724/A072524E5041

Client Designation: **NCES | Groundwater / 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,2-Dibromoethane(EDB)	< 0.02	0.11 (106 %R)	0.12 (122 %R) (15 RPD)	7/25/2024	ug/L	70 - 130	20	8011/504
Dibromochloropropane (DBCP)	< 0.02	0.091 (91 %R)	0.10 (105 %R) (15 RPD)	7/25/2024	ug/L	70 - 130	20	8011/504
1,1,1,2-Tetrachloroethane (surr)	97 %R	91 %R	103 %R	7/25/2024	% Rec	65 - 135	20	8011/504

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

QC REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 638574-94277/A072524E5042

Client Designation: **NCES | Groundwater / 2637.11**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,2-Dibromoethane(EDB)	< 0.02	0.11 (113 %R)	0.11 (114 %R) (0 RPD)	7/25/2024	ug/L	70 - 130	20	8011/504
Dibromochloropropane (DBCP)	< 0.02	0.097 (97 %R)	0.097 (97 %R) (1 RPD)	7/25/2024	ug/L	70 - 130	20	8011/504
1,1,1,2-Tetrachloroethane (surr)	101 %R	96 %R	98 %R	7/25/2024	% Rec	65 - 135	20	8011/504

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

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-103S_20240723	DUP -1_20240723	MW -701_20240723					
Lab Sample ID:	282536.01	282536.02	282536.04					
Matrix:	aqueous	aqueous	aqueous					
Date Sampled:	7/23/24	7/23/24	7/23/24					
Date Received:	7/24/24	7/24/24	7/24/24					
					Analysis			
				Units	**Date**	**Time**	**Method**	**Analyst**
Bromide	**0.17**	**0.15**	< 0.1	mg/L	07/26/24	2:52	300.0	SEC
Sulfate	**38**	**38**	**18**	mg/L	07/26/24	2:52	300.0	SEC
Chloride	**18**	**19**	**5.7**	mg/L	07/24/24	15:07	4500CIE-11	ALS
Nitrate-N	< 0.5	< 0.5	< 0.5	mg/L	07/24/24	15:07	353.2	ALS
TKN	< 0.5	< 0.5	< 0.5	mg/L	07/29/24	15:11	4500N_{org}C/NH3D	GRS
COD	< 10	< 10	< 10	mg/L	07/25/24	7:50	H8000	JCS

Sample ID:	B-103D_20240723	MW -802_20240723	MW -803_20240723	DUP -2_20240723					
Lab Sample ID:	282536.03	282536.05	282536.06	282536.07					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24					
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24					
						Analysis			
					Units	**Date**	**Time**	**Method**	**Analyst**
Bromide	< 0.1	**0.14**	**0.18**	**0.17**	mg/L	07/26/24	3:21	300.0	SEC
Chloride	**2.6**	**23**	**13**	**14**	mg/L	07/24/24	15:09	4500CIE-11	ALS
Nitrate-N	< 0.5	< 0.5	< 0.5	< 0.5	mg/L	07/24/24	15:09	353.2	ALS
TKN	< 0.5	< 0.5	**2.2**	**2.2**	mg/L	07/29/24	15:17	4500N_{org}C/NH3D	GRS
COD	< 10	< 10	**67**	**69**	mg/L	07/25/24	7:50	H8000	JCS

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-915U_20240723	B-915M_20240723	B-915D_20240723	B-916U_20240723		Analysis			
Lab Sample ID:	282536.08	282536.09	282536.1	282536.11					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24					
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24	Units	Date	Time	Method	Analyst
Bromide	< 0.1	< 0.1	< 0.1	< 0.1	mg/L	07/26/24	4:33	300.0	SEC
Chloride	**7**	**46**	**30**	**1.1**	mg/L	07/24/24	16:25	4500CIE-11	ALS
Nitrate-N	< 0.5	< 0.5	< 0.5	< 0.5	mg/L	07/24/24	15:28	353.2	ALS
TKN	< 0.5	< 0.5	< 0.5	< 0.5	mg/L	07/29/24	15:49	4500N_{org}C/NH3D	GRS
COD	< 10	< 10	< 10	< 10	mg/L	07/25/24	7:50	H8000	JCS

Sample ID:	B-916M_20240723	B-916D_20240723						
Lab Sample ID:	282536.12	282536.13						
Matrix:	aqueous	aqueous						
Date Sampled:	7/23/24	7/23/24						
Date Received:	7/24/24	7/24/24	Units	Analysis Date	Time	Method	Analyst	
Bromide	< 0.1	< 0.1	mg/L	07/26/24	13:19	300.0	SEC	
Chloride	**38**	**12**	mg/L	07/24/24	15:33	4500CIE-11	ALS	
Nitrate-N	< 0.5	< 0.5	mg/L	07/24/24	15:33	353.2	ALS	
TKN	< 0.5	< 0.5	mg/L	07/29/24	16:00	4500N_{org}C/NH3D	GRS	
COD	< 10	< 10	mg/L	07/25/24	7:50	H8000	JCS	

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID: B-923U_20240723

Lab Sample ID:	282536.14
Matrix:	aqueous
Date Sampled:	7/23/24
Date Received:	7/24/24

		Analysis			
	Units	Date	Time	Method	Analyst
Bromide	< 0.1	mg/L	07/26/24	13:48	300.0	SEC
Sulfate	**7.4**	mg/L	07/26/24	13:48	300.0	SEC
Chloride	**1.1**	mg/L	07/24/24	15:36	4500CIE-11	ALS
Nitrate-N	< 0.5	mg/L	07/24/24	15:36	353.2	ALS
TKN	< 0.5	mg/L	07/29/24	16:05	$4500N_{org}C/NH3D$	GRS
COD	< 10	mg/L	07/25/24	7:50	H8000	JCS

Sample ID: B-924L_20240723

Lab Sample ID:	282536.15
Matrix:	aqueous
Date Sampled:	7/23/24
Date Received:	7/24/24

		Analysis			
	Units	Date	Time	Method	Analyst
Bromide	< 0.1	mg/L	07/26/24	14:02	300.0	SEC
Chloride	< 1	mg/L	07/24/24	15:37	4500CIE-11	ALS
Nitrate-N	< 0.5	mg/L	07/24/24	15:37	353.2	ALS
TKN	< 0.5	mg/L	07/29/24	16:08	$4500N_{org}C/NH3D$	GRS
COD	< 10	mg/L	07/25/24	7:50	H8000	JCS

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID: B-925U_20240723

Lab Sample ID:	282536.16
Matrix:	aqueous
Date Sampled:	7/23/24
Date Received:	7/24/24

		Analysis			
	Units	Date	Time	Method	Analyst
Bromide	< 0.1	mg/L	07/26/24	14:17	300.0	SEC
Sulfate	**2.4**	mg/L	07/26/24	14:17	300.0	SEC
Chloride	**1.4**	mg/L	07/24/24	15:50	4500ClE-11	ALS
Nitrate-N	< 0.5	mg/L	07/24/24	15:50	353.2	ALS
TKN	< 0.5	mg/L	07/29/24	16:22	4500N_{org}C/NH3D	GRS
COD	< 10	mg/L	07/25/24	7:50	H8000	JCS

Sample ID:	B-925L_20240723	B-926U_20240723	B-926L_20240723	B-929U_20240723
Lab Sample ID:	282536.17	282536.18	282536.19	282536.2
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24

					Analysis			
				Units	Date	Time	Method	Analyst
Bromide	< 0.1	**0.12**	< 0.1	< 0.1	mg/L	07/26/24	14:31	300.0	SEC
Chloride	**1.3**	**3.9**	**30**	**1.2**	mg/L	07/24/24	15:51	4500ClE-11	ALS
Nitrate-N	< 0.5	< 0.5	< 0.5	**2.3**	mg/L	07/24/24	15:51	353.2	ALS
TKN	< 0.5	< 0.5	< 0.5	< 0.5	mg/L	07/29/24	16:25	4500N_{org}C/NH3D	GRS
COD	< 10	**18**	< 10	< 10	mg/L	07/25/24	7:50	H8000	JCS

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-929L_20240723	B-930U_20240723	B-930L_20240723	B-931U_20240723					
Lab Sample ID:	282536.21	282536.22	282536.23	282536.24					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24					
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24					
						Analysis			
					Units	**Date**	**Time**	**Method**	**Analyst**
Bromide	< 0.1	< 0.1	< 0.1	< 0.1	mg/L	07/25/24	19:38	300.0	SEC
Chloride	**1.8**	< 1	**1.5**	**1.5**	mg/L	07/24/24	15:58	4500CIE-11	ALS
Nitrate-N	**0.51**	< 0.5	< 0.5	< 0.5	mg/L	07/24/24	15:58	353.2	ALS
TKN	< 0.5	< 0.5	< 0.5	< 0.5	mg/L	07/29/24	16:36	$4500N_{org}C/NH3D$	GRS
COD	< 10	< 10	< 10	< 10	mg/L	07/25/24	10:05	H8000	JCS

Sample ID:	B-931L_20240723
Lab Sample ID:	282536.25
Matrix:	aqueous
Date Sampled:	7/23/24
Date Received:	7/24/24

		Analysis			
	Units	**Date**	**Time**	**Method**	**Analyst**
Bromide	< 0.1	mg/L	07/25/24	20:36	300.0	SEC
Chloride	**1.6**	mg/L	07/24/24	16:04	4500CIE-11	ALS
Nitrate-N	< 0.5	mg/L	07/24/24	16:04	353.2	ALS
TKN	< 0.5	mg/L	07/29/24	16:47	$4500N_{org}C/NH3D$	GRS
COD	< 10	mg/L	07/25/24	10:05	H8000	JCS

QC REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Bromide	< 0.1	1.9 (97 %R)	1.9 (94 %R) (3 RPD)	mg/L	7/26/24	90 - 110	20	300.0
Sulfate	< 1	20 (100 %R)	19 (97 %R) (3 RPD)	mg/L	7/25/24	90 - 110	20	300.0
Chloride	< 1	26 (104 %R)	26 (104 %R) (0 RPD)	mg/L	7/24/24	90 - 110	20	4500ClE-11
Nitrate-N	< 0.5	5.2 (104 %R)	4.7 (94 %R) (11 RPD)	mg/L	7/24/24	90 - 110	20	353.2
TKN	< 0.5	10 (101 %R)	9.7 (97 %R) (4 RPD)	mg/L	7/29/24	90 - 111	20	4500N_{org}C/NH3D-11
COD	< 10	99 (99 %R)	96 (96 %R) (3 RPD)	mg/L	7/25/24	85 - 115	20	H8000

*/! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted, flagged data does not impact the sample data.

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-103S_20240723	DUP-1_20240723	B-103D_20240723	Analytical Matrix	Units	Date of Analysis	Method	Analyst
Lab Sample ID:	282536.01	282536.02	282536.03					
Matrix:	aqueous	aqueous	aqueous					
Date Sampled:	7/23/24	7/23/24	7/23/24					
Date Received:	7/24/24	7/24/24	7/24/24					
Arsenic	**0.026**	**0.027**	**0.037**	AqDis	mg/L	7/25/24	200.8	DS
Barium	**0.023**	**0.023**	**0.0059**	AqDis	mg/L	7/25/24	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	AqDis	mg/L	7/25/24	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	AqDis	mg/L	7/25/24	200.8	DS
Iron	**22**	**23**	**4.5**	AqDis	mg/L	7/25/24	200.8	DS
Lead	< 0.001	< 0.001	< 0.001	AqDis	mg/L	7/25/24	200.8	DS
Manganese	**3.8**	**3.9**	**1.2**	AqDis	mg/L	7/25/24	200.8	DS

Sample ID:	MW-701_20240723	MW-802_20240723	MW-803_20240723	DUP-2_20240723	Analytical Matrix	Units	Date of Analysis	Method	Analyst
Lab Sample ID:	282536.04	282536.05	282536.06	282536.07					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24					
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24					
Iron	< 0.05	**9.5**	**51**	**51**	AqDis	mg/L	7/25/24	200.8	DS
Manganese	**0.31**	**4.1**	**5.7**	**5.6**	AqDis	mg/L	7/25/24	200.8	DS

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-915U_20240723	B-915M_20240723	B-915D_20240723	B-916U_20240723					
Lab Sample ID:	282536.08	282536.09	282536.1	282536.11					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24					
Iron	< 0.05	< 0.05	< 0.05	< 0.05	AqDis	mg/L	7/25/24	200.8	DS
Manganese	< 0.005	< 0.005	< 0.005	**0.0056**	AqDis	mg/L	7/25/24	200.8	DS

Sample ID:	B-916M_20240723	B-924L_20240723	B-925L_20240723	B-926U_20240723					
Lab Sample ID:	282536.12	282536.15	282536.17	282536.18					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24					
Iron	< 0.05	< 0.05	**0.17**	< 0.05	AqDis	mg/L	7/25/24	200.8	DS
Manganese	< 0.005	**0.0094**	**0.072**	**4.0**	AqDis	mg/L	7/25/24	200.8	DS

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-923U_20240723	B-925U_20240723	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Lab Sample ID:	282536.14	282536.16					
Matrix:	aqueous	aqueous					
Date Sampled:	7/23/24	7/23/24					
Date Received:	7/24/24	7/24/24					
Antimony	< 0.001	< 0.001	AqDis	mg/L	7/25/24	200.8	DS
Arsenic	< 0.0005	< 0.0005	AqDis	mg/L	7/25/24	200.8	DS
Barium	**0.0037**	**0.0033**	AqDis	mg/L	7/25/24	200.8	DS
Beryllium	< 0.001	< 0.001	AqDis	mg/L	7/25/24	200.8	DS
Cadmium	< 0.001	< 0.001	AqDis	mg/L	7/25/24	200.8	DS
Chromium	< 0.001	< 0.001	AqDis	mg/L	7/25/24	200.8	DS
Iron	< 0.05	< 0.05	AqDis	mg/L	7/25/24	200.8	DS
Lead	< 0.001	< 0.001	AqDis	mg/L	7/25/24	200.8	DS
Manganese	< 0.005	< 0.005	AqDis	mg/L	7/25/24	200.8	DS
Nickel	< 0.001	< 0.001	AqDis	mg/L	7/25/24	200.8	DS
Silver	< 0.001	< 0.001	AqDis	mg/L	7/25/24	200.8	DS
Thallium	< 0.001	< 0.001	AqDis	mg/L	7/25/24	200.8	DS

Sample ID:	B-916D_20240723	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Lab Sample ID:	282536.13					
Matrix:	aqueous					
Date Sampled:	7/23/24					
Date Received:	7/24/24					
Iron	< 0.05	AqTot	mg/L	7/29/24	200.8	DS
Manganese	< 0.005	AqTot	mg/L	7/29/24	200.8	DS

LABORATORY REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Sample ID:	B-926L_20240723	B-929U_20240723	B-929L_20240723	B-930U_20240723					
Lab Sample ID:	282536.19	282536.2	282536.21	282536.22					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/23/24	7/23/24	7/23/24	7/23/24					
Date Received:	7/24/24	7/24/24	7/24/24	7/24/24	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Iron	< 0.05	< 0.05	< 0.05	< 0.05	AqDis	mg/L	7/25/24	200.8	DS
Manganese	< 0.005	< 0.005	< 0.005	< 0.005	AqDis	mg/L	7/25/24	200.8	DS

Sample ID:	B-930L_20240723	B-931U_20240723	B-931L_20240723					
Lab Sample ID:	282536.23	282536.24	282536.25					
Matrix:	aqueous	aqueous	aqueous					
Date Sampled:	7/23/24	7/23/24	7/23/24	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/24/24	7/24/24	7/24/24					
Iron	< 0.05	< 0.05	< 0.05	AqDis	mg/L	7/25/24	200.8	DS
Manganese	**0.017**	< 0.005	**0.012**	AqDis	mg/L	7/25/24	200.8	DS

QC REPORT

EAI ID#: **282536**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Groundwater / 2637.11**

Parameter Name	Blank	LCS	LCSD		Units	Date of Analysis	Limits	RPD	Method
Antimony	< 0.001	0.22 (112 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Arsenic	< 0.0005	0.21 (105 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Barium	< 0.001	0.22 (108 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Beryllium	< 0.001	0.22 (112 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Cadmium	< 0.001	0.21 (103 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Chromium	< 0.001	0.21 (103 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Iron	< 0.05	11 (107 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Iron	< 0.05	11 (108 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Iron (Aqtot)	< 0.05	10 (104 %R)		NA	mg/L	7/29/24	85 - 115	20	200.8
Lead	< 0.001	0.21 (104 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Manganese	< 0.005	0.21 (104 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Manganese	< 0.005	0.21 (105 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Manganese (Aqtot)	< 0.005	0.39 (98 %R)		NA	mg/L	7/29/24	85 - 115	20	200.8
Nickel	< 0.001	0.21 (103 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Silver	< 0.001	0.010 (104 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8
Thallium	< 0.001	0.21 (107 %R)		NA	mg/L	7/25/24	85 - 115	20	200.8

*/! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted, flagged data does not impact the sample data.

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Chain-of-Custody Record

For 282536

Sample ID	Sampling Date/Time *If Composite, Indicate Both Start & Finish Date/Time (CT)	Matrix (see below)	Grab/*Composite	VOCs 8260C	Low Level 1,4-Dioxane	Low Level EDB/DBCP	TKN, COD	Bromide, Chloride, Nitrate	Dissolved Metals List A	Dissolved Metals List B	Dissolved Metals List C	Total Metals List A	Sulfate	# of Containers	NOTES MeOH Vial #
B-103S_20240723	7/23/24 1610	GW	G	X	X	X	X	X		X			X	9	
DUP-1_	1610			X	X	X	X	X		X			X	9	
B-103D_	1625			X	X	X	X	X		X				9	
MW-701_	1015			X	X	X	X	X	X				X	9	
MW-802_	1538					X	X	X	X					5	
MW-803_	1534					X	X	X	X					5	
DUP-2_	1534					X	X	X	X					5	
B-915U_	1045					X	X	X	X					5	
B-915M_	1122					X	X	X	X					5	
B-915D_	1100			X	X	X	X	X	X					9	
Matrix: A-Air; S-Soil; GW-Ground Water; SW-Surface Water; DW-Drining Water; WW-Waste Water; AQ-Aqueous				H	Ice	NSO	S	Ice	N	N	N	N	Ice		
Preservative: H-HCl; N-HNO3; S-H2SO4; Na-NaOH; M-MeOH; NSO-Na2S2O3															

Analyses Requested

Project Manager:	M. Estabrooks / T. White
Company:	Sanborn, Head & Associates, Inc.
Address:	6 Bedford Farms Drive, Suite 201
City:	Bedford State: NH Zip: 03110
Phone	603-229-1900 Ext.:
Fax:	603-229-1919
E-Mail:	mestabrooks@sanbornhead.com
Site Name:	NCES | Groundwater
Project #	2637.11
State:	NH

Regulatory Program: NPDES: RGP POTW Stormwater or GWP, Oil Fund, Brownfield or Other:

Quote #: PO#:

Date Needed: Standard TAT

Temp. 0.5 °C

Ice? (Yes) No

QA/QC

Reporting Level

A [B] C

or

Presumptive Certainty

Reporting Options

Prelims: [Yes] or No

If Yes: Fax or [PDF]

Electonic Options

[No Fax] [E-Mail] [PDF] [Equis]

Sampler(s): PJP, MTS, GAD

	Date:	Time:	Received By:
Relinquished By:	7/23/24	1949	
Relinquished By:	7/24/24	0546	
Relinquished By:			

Metals: Lists Below **Samples Field Filtered:** YES

A: Fe, Mn

B: Fe, Mn, As, Ba, Cd, Cr, Pb

C: Fe, Mn, As, Ba, Cd, Cr, Pb, Sb, Be, Ni, Ag, Tl

Notes: (i.e., Special Detection Limits, Billing Info, If Different)

Trip blank(s) prepared by EAI.

Bill NCES.

*Report 1,4-dioxane to 0.25 ug/l RL

*Hold Final report until EQuIS EDD ready.

Site History:

Suspected Contamination:

Field Readings:

Eastern Analytical, Inc.
professional laboratory & drilling services
51 Antrim Ave | Concord, NH 03301 | Tel: 603.228.0525 | 1.800.287.0525 | Fax: 603.228.4591 | E-Mail: customerservice@eailabs.com | www.eailabs.com

Chain-of-Custody Record

Page 2 of 3

For La

282536

Sample ID	Sampling Date/Time *If Composite, Indicate Both Start & Finish Date/Time (21)	Matrix (see below)	Grab/*Composite	VOCs 8260C	Low Level 1,4-Dioxane	Low Level EDB/DBCP	TKN, COD	Bromide, Chloride, Nitrate	Dissolved Metals List A	Dissolved Metals List B	Dissolved Metals List C	Total Metals List A	Sulfate	# of Containers	NOTES MeOH Vial #
				Analyses Requested											
B-916U_20240723	7/23/24 0908	GW	G			X	X	X	X					5	
B-916M_	0920					X	X	X	X					5	
B-916D_	0955			X	X	X	X	X				X		9	
B-923U_	1200						X	X			X		X	3	
B-924U_	1225			X	X		X	X	X					7	
B-925U_	1300						X	X			X		X	3	
B-925L_	1311			X	X		X	X	X					7	
B-926U_	0950					X	X	X	X					5	
B-926L_	0953					X	X	X	X					5	
B-929U_	1359					X	X	X	X					5	
Matrix: A-Air; S-Soil; GW-Ground Water; SW-Surface Water; DW-Drining Water; WW-Waste Water; AQ-Aqueous Preservative: H-HCl; N-HNO3; S-H2SO4; Na-NaOH; M-MeOH; NSO-Na2S2O3				H	Ice	NSO	S	Ice	N	N	N	N	Ice			

Project Manager: M. Estabrooks / T. White

Company: Sanborn, Head & Associates, Inc.

Address: 6 Bedford Farms Drive, Suite 201

City: Bedford State: NH Zip: 03110

Phone 603-229-1900 Ext.:

Fax: 603-229-1919

E-Mail: mestabrooks@sanbornhead.com

Site Name: NCES | Groundwater

Project # 2637.11

State: NH

Regulatory Program: NPDES: RGP POTW Stormwater or GWP, Oil Fund, Brownfield or Other:

Quote #: PO#:

Date Needed: Standard TAT

Temp. 0.8 °C

Ice? (Yes) No

QA/QC

Reporting Level

A [B] C

or

Presumptive Certainty

Reporting Options

Prelims: [Yes] or No

If Yes: Fax or [PDF]

Electonic Options

[No Fax] [E-Mail] [PDF] [Equis]

Metals: Lists Below **Samples Field Filtered:** YES

A: Fe, Mn

B: Fe, Mn, As, Ba, Cd, Cr, Pb

C: Fe, Mn, As, Ba, Cd, Cr, Pb, Sb, Be, Ni, Ag, Tl

Sampler(s): PJP, MTS, GAD

	Date:	Time:	Received By:
Relinquished By: Paul P	7/23/24	1849	
Relinquished By: Faye	7/24/24	0846	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Notes: (i.e., Special Detection Limits, Billing Info, if Different)

Trip blank(s) prepared by EAI.

Bill NCES.

*Report 1,4-dioxane to 0.25 ug/l RL

*Hold Final report until EQuIS EDD ready.

Site History:

Suspected Contamination:

Field Readings:

Eastern Analytical, Inc.
Professional laboratory & drilling services
51 Antrim Ave | Concord, NH 03301 | Tel: 603.228.0525 | 1.800.287.0525 | Fax: 603.228.4591 | E-Mail: customerservice@eailabs.com | www.eailabs.com

Chain-of-Custody Record

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F

282536

Sample ID	Sampling Date/Time *If Composite, Indicate Both Start & Finish Date/Time	Matrix (see below)	Grab/*Composite	Analyses Requested: VOCs 8260C	Low Level 1,4-Dioxane	Low Level EDB/DBCP	TKN, COD	Bromide, Chloride, Nitrate	Dissolved Metals List A	Dissolved Metals List B	Dissolved Metals List C	Total Metals List A	Sulfate	# of Containers	NOTES MeOH Vial #
B-929L_20240723	7/23/24 1348	GW	G	X	X	X	X	X	X					9	
B-930U_	1420					X	X	X	X					5	
B-930L_	1440			X	X	X	X	X	X					9	
B-931U_	1455					X	X	X	X					5	
B-931L_	1503			X	X	X	X	X	X					9	
TB-GW-02_	00:00	AQ	–	X										2	
TB-LL-GW-02_	00:00	AQ	–		X									2	
	(1)														
Matrix: A-Air; S-Soil; GW-Ground Water; SW-Surface Water; DW-Drining Water; WW-Waste Water; AQ-Aqueous Preservative: H-HCl; N-HNO3; S-H2SO4; Na-NaOH; M-MeOH; NSO-Na2S2O3				H	Ice	NSO	S	Ice	N	N	N	N	Ice			

Project Manager: M. Estabrooks / T. White

Company: Sanborn, Head & Associates, Inc.

Address: 6 Bedford Farms Drive, Suite 201

City: Bedford State: NH Zip: 03110

Phone 603-229-1900 Ext.:

Fax: 603-229-1919

E-Mail: mestabrooks@sanbornhead.com

Site Name: NCES | Groundwater

Project # 2637.11

State: NH

Regulatory Program: NPDES: RGP POTW Stormwater or GWP, Oil Fund, Brownfield or Other:

Quote #: PO#:

Date Needed: Standard TAT

Temp. 0.8 °C

Ice? Yes No

QA/QC

Reporting Level

A B C

or

Presumptive Certainty

Reporting Options

Prelims: Yes or No

If Yes: Fax or PDF

Electonic Options

No Fax | E-Mail | PDF | Equis

Metals: Lists Below **Samples Field Filtered:** YES

A: Fe, Mn

B: Fe, Mn, As, Ba, Cd, Cr, Pb

C: Fe, Mn, As, Ba, Cd, Cr, Pb, Sb, Be, Ni, Ag, Tl

Sampler(s): PJP, MTS, GAD

Relinquished By:	Date:	Time:	Received By:
Pat Pj	7/23/24	1949	
Foy	7/24/24	0846	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Notes: (i.e., Special Detection Limits, Billing Info, If Different)

Trip blank(s) prepared by EAI.

Bill NCES.

*Report 1,4-dioxane to 0.25 ug/l RL

*Hold Final report until EQuIS EDD ready.

Site History:

Suspected Contamination:

Field Readings:

Eastern Analytical, Inc.
Professional laboratory & drilling services
51 Antrim Ave | Concord, NH 03301 | Tel: 603.228.0525 | 1.800.287.0525 | Fax: 603.228.4591 | E-Mail: customerservice@eailabs.com | www.eailabs.com

Eastern Analytical, Inc.
professional laboratory and drilling services

Matt Estabrooks
Sanborn, Head & Associates, Inc. (NH)
6 Bedford Farms Drive, Suite 201
Bedford , NH 03110

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 282537
Client Identification: NCES | PFAS | 2637.11
Date Received: 7/24/2024

Dear Mr. Estabrooks :

Enclosed please find the report of analysis for the above identified project. As discussed, analyses were subcontracted and are listed as follows:

Analysis:	Subcontract - PFAS EPA Method 537mod
Subcontractor Lab:	Enthalpy Analytical

A complete copy of the report is attached. This report may not be reproduced except in full, without the written approval of the laboratory.

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

Sincerely,

Lorraine Olashaw, Lab Director — Date: 8.9.24

SAMPLE CONDITIONS PAGE

EAI ID#: **282537**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | PFAS | 2637.11**

Temperature upon receipt (°C): 1.4 **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)
282537.01	B-103S_20240723	7/24/24	7/23/24	16:10	aqueous		Adheres to Sample Acceptance Policy
282537.02	B-103D_20240723	7/24/24	7/23/24	16:25	aqueous		Adheres to Sample Acceptance Policy
282537.03	B-304UR_20240722	7/24/24	7/22/24	13:45	aqueous		Adheres to Sample Acceptance Policy
282537.04	B-304DR_20240722	7/24/24	7/22/24	14:05	aqueous		Adheres to Sample Acceptance Policy
282537.05	MW-604_20240722	7/24/24	7/22/24	09:07	aqueous		Adheres to Sample Acceptance Policy
282537.06	MW-701_20240723	7/24/24	7/23/24	10:15	aqueous		Adheres to Sample Acceptance Policy
282537.07	MW-802_20240723	7/24/24	7/23/24	15:38	aqueous		Adheres to Sample Acceptance Policy
282537.08	MW-803_20240723	7/24/24	7/23/24	15:34	aqueous		Adheres to Sample Acceptance Policy
282537.09	B-915U_20240723	7/24/24	7/23/24	10:45	aqueous		Adheres to Sample Acceptance Policy
282537.1	B-915M_20240723	7/24/24	7/23/24	11:22	aqueous		Adheres to Sample Acceptance Policy
282537.11	B-916U_20240723	7/24/24	7/23/24	09:08	aqueous		Adheres to Sample Acceptance Policy
282537.12	B-916M_20240723	7/24/24	7/23/24	09:20	aqueous		Adheres to Sample Acceptance Policy
282537.13	B-917U_20240722	7/24/24	7/22/24	16:45	aqueous		Adheres to Sample Acceptance Policy
282537.14	B-909_20240722	7/24/24	7/22/24	17:30	aqueous		Adheres to Sample Acceptance Policy
282537.15	B-918U_20240722	7/24/24	7/22/24	15:45	aqueous		Adheres to Sample Acceptance Policy
282537.16	B-918M_20240722	7/24/24	7/22/24	15:43	aqueous		Adheres to Sample Acceptance Policy
282537.17	DUP-3_20240722	7/24/24	7/22/24	15:43	aqueous		Adheres to Sample Acceptance Policy
282537.18	B-919U_20240722	7/24/24	7/22/24	11:50	aqueous		Adheres to Sample Acceptance Policy
282537.19	B-919M_20240722	7/24/24	7/22/24	14:45	aqueous		Adheres to Sample Acceptance Policy
282537.2	B-923U_20240723	7/24/24	7/23/24	12:00	aqueous		Adheres to Sample Acceptance Policy
282537.21	B-926U_20240723	7/24/24	7/23/24	09:50	aqueous		Adheres to Sample Acceptance Policy
282537.22	B-926L_20240723	7/24/24	7/23/24	09:53	aqueous		Adheres to Sample Acceptance Policy
282537.23	B-927U_20240722	7/24/24	7/22/24	12:50	aqueous		Adheres to Sample Acceptance Policy
282537.24	B-927M_20240722	7/24/24	7/22/24	12:39	aqueous		Adheres to Sample Acceptance Policy
282537.25	B-928U_20240722	7/24/24	7/22/24	14:40	aqueous		Adheres to Sample Acceptance Policy
282537.26	B-928D_20240722	7/24/24	7/22/24	14:44	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.*

SAMPLE CONDITIONS PAGE

EAI ID#: **282537**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | PFAS | 2637.11**

Temperature upon receipt (°C): 1.4 **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)
282537.27	B-929U_20240723	7/24/24	7/23/24 13:59	aqueous		Adheres to Sample Acceptance Policy
282537.28	B-930U_20240723	7/24/24	7/23/24 14:21	aqueous		Adheres to Sample Acceptance Policy
282537.29	B-931U_20240723	7/24/24	7/23/24 14:55	aqueous		Adheres to Sample Acceptance Policy
282537.3	FB-PFAS-01_20240723	7/24/24	7/23/24 16:30	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.*

August 07, 2024

Enthalpy Analytical - El Dorado Hills
Work Order No. 2407241

Ms. Alison Blay
Eastern Analytical, Inc.
51 Antrim Avenue
Concord, NH 03301

Dear Ms. Blay,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on July 26, 2024 under your Project Name '282537 NH 2920'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at rajwinder.kaur@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

Rajwinder Kaur
Project Manager

Enthalpy Analytical - EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical - EDH .

Enthalpy Analytical - EDH Work Order No. 2407241
Case Narrative

Sample Condition on Receipt:

Thirty aqueous samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements. Sample ID discrepancies were noted for the samples between the container labels and the Chain-of-Custody (CoC). The sample IDs have been reported as listed on the CoC. A sample collection time discrepancy was noted for sample "B-930U_20240723" between the container label and the Chain-of-Custody (CoC). The sample collection time has been reported as listed on the CoC.

Analytical Notes:

PFAS Isotope Dilution/LC-MSMS Method Compliant with Table B-15 of DoD QSM 5.4 (Aqueous)

The following samples contained particulate and were centrifuged prior to extraction:

Laboratory ID	Sample Name
2407241-02	B-103D_20240723
2407241-04	B-304DR_20240722
2407241-05	MW-604_20240722
2407241-14	B-909_20240722
2407241-23	B-927U_20240722
2407241-24	B-927M_20240722
2407241-26	B-928D_20240722
2407241-27	B-929U_20240723
2407241-28	B-930U_20240723
2407241-29	B-931U_20240723

The samples were extracted and analyzed for a selected list of PFAS using Isotope Dilution and LC-MS/MS compliant with Table B-15 of DoD QSM 5.4. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with each preparation batch. No analytes were detected in the Method Blank above 1/2 the Reporting Limits (RL). The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are flagged with an "H" qualifier. The responses

of the internal standards with low recoveries were greater than 10:1 signal-to-noise, which is the limit generally considered acceptable for accurate quantitation by isotope dilution analysis.

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Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2407241-01	B-103S_20240723	23-Jul-24 16:10	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-02	B-103D_20240723	23-Jul-24 16:25	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-03	B-304UR_20240722	22-Jul-24 13:45	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-04	B-304DR_20240722	22-Jul-24 14:05	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-05	MW-604_20240722	22-Jul-24 09:07	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-06	MW-701_20240723	23-Jul-24 10:15	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-07	MW-802_20240723	23-Jul-24 15:38	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-08	MW-803_20240723	23-Jul-24 15:34	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-09	B-915U_20240723	23-Jul-24 10:45	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-10	B-915M_20240723	23-Jul-24 11:22	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-11	B-916U_20240723	23-Jul-24 09:08	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-12	B-916M_20240723	23-Jul-24 09:20	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-13	B-917U_20240722	22-Jul-24 16:45	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-14	B-909_20240722	22-Jul-24 17:30	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-15	B-918U_20240722	22-Jul-24 15:45	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-16	B-918M_20240722	22-Jul-24 15:43	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-17	DUP-3_20240722	22-Jul-24 15:43	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-18	B-919U_20240722	22-Jul-24 11:50	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-19	B-919M_20240722	22-Jul-24 14:45	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-20	B-923U_20240723	23-Jul-24 12:00	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-21	B-926U_20240723	23-Jul-24 09:50	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-22	B-926L_20240723	23-Jul-24 09:53	26-Jul-24 11:11	Polypropylene, 250mL

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Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2407241-22	B-926L_20240723	23-Jul-24 09:53	26-Jul-24 11:11	Polypropylene, 250mL
2407241-23	B-927U_20240722	22-Jul-24 12:50	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-24	B-927M_20240722	22-Jul-24 12:39	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-25	B-928U_20240722	22-Jul-24 14:40	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-26	B-928D_20240722	22-Jul-24 14:44	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-27	B-929U_20240723	23-Jul-24 13:59	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-28	B-930U_20240723	23-Jul-22 14:21	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-29	B-931U_20240723	23-Jul-24 14:55	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407241-30	FB-PFAS-01_20240723	23-Jul-24 16:30	26-Jul-24 11:11	Polypropylene, 250mL

ANALYTICAL RESULTS

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Sample ID: Method Blank — **PFAS Isotope Dilution Table B-15**

Client Data
Name: Eastern Analytical, Inc. Matrix: Aqueous
Project: 282537 NH 2920

Laboratory Data
Lab Sample: B24G247-BLK1 Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
PFPeA	2706-90-3	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
PFBS	375-73-5	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
4:2 FTS	757124-72-4	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
PFHxA	307-24-4	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
PFPeS	2706-91-4	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
PFHpA	375-85-9	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
PFHxS	355-46-4	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
6:2 FTS	27619-97-2	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
PFOA	335-67-1	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
PFHpS	375-92-8	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
PFNA	375-95-1	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
PFOSA	754-91-6	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
PFOS	1763-23-1	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
PFDA	335-76-2	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
8:2 FTS	39108-34-4	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
PFNS	68259-12-1	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
MeFOSAA	2355-31-9	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
EtFOSAA	2991-50-6	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
PFUnA	2058-94-8	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
PFDS	335-77-3	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
PFDoA	307-55-1	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
MeFOSA	31506-32-8	ND	4.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
PFTrDA	72629-94-8	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
PFTeDA	376-06-7	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	81.7	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
13C3-PFPeA	IS	84.7	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
13C3-PFBS	IS	89.5	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
13C2-4:2 FTS	IS	87.0	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
13C2-PFHxA	IS	86.3	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
13C4-PFHpA	IS	85.2	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
13C3-PFHxS	IS	86.8	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
13C2-6:2 FTS	IS	89.2	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
13C2-PFOA	IS	78.6	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
13C5-PFNA	IS	89.2	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
13C8-PFOSA	IS	67.4	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
13C8-PFOS	IS	72.2	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1

ENTHALPY ANALYTICAL

Sample ID: Method Blank — **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	B24G247-BLK1	Column:	BEH C18
Project:	282537 NH 2920						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	84.3	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
13C2-8:2 FTS	IS	90.8	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
d3-MeFOSAA	IS	81.2	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
d5-EtFOSAA	IS	73.4	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
13C2-PFUnA	IS	76.8	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
13C2-PFDoA	IS	73.4	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
d3-MeFOSA	IS	28.4	50 - 150	H	B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1
13C2-PFTeDA	IS	69.4	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:25	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: OPR **PFAS Isotope Dilution Table B-15**

Client Data

Name: Eastern Analytical, Inc. Matrix: Aqueous
Project: 282537 NH 2920

Laboratory Data

Lab Sample: B24G247-BS1 Column: BEH C18

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	38.8	40.0	97.1	73 - 129		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
PFPeA	2706-90-3	39.5	40.0	98.8	72 - 129		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
PFBS	375-73-5	40.2	40.0	100	72 - 130		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
4:2 FTS	757124-72-4	38.0	40.0	94.9	63 - 143		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
PFHxA	307-24-4	38.5	40.0	96.3	72 - 129		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
PFPeS	2706-91-4	38.3	40.0	95.6	71 - 127		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
PFHpA	375-85-9	38.9	40.0	97.2	72 - 130		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
PFHxS	355-46-4	32.7	40.0	81.8	68 - 131		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
6:2 FTS	27619-97-2	43.2	40.0	108	64 - 140		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
PFOA	335-67-1	38.9	40.0	97.2	71 - 133		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
PFHpS	375-92-8	39.2	40.0	98.1	69 - 134		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
PFNA	375-95-1	36.4	40.0	91.1	69 - 130		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
PFOSA	754-91-6	35.3	40.0	88.3	67 - 137		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
PFOS	1763-23-1	36.9	40.0	92.2	65 - 140		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
PFDA	335-76-2	40.4	40.0	101	71 - 129		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
8:2 FTS	39108-34-4	37.7	40.0	94.2	67 - 138		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
PFNS	68259-12-1	38.8	40.0	97.1	69 - 127		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
MeFOSAA	2355-31-9	39.6	40.0	98.9	65 - 136		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
EtFOSAA	2991-50-6	38.1	40.0	95.3	61 - 135		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
PFUnA	2058-94-8	38.3	40.0	95.7	69 - 133		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
PFDS	335-77-3	37.6	40.0	94.0	53 - 142		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
PFDoA	307-55-1	41.3	40.0	103	72 - 134		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
MeFOSA	31506-32-8	37.3	40.0	93.3	68 - 141		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
PFTrDA	72629-94-8	38.2	40.0	95.5	65 - 144		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
PFTeDA	376-06-7	38.6	40.0	96.5	71 - 132		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	85.7	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
13C3-PFPeA	IS	87.5	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
13C3-PFBS	IS	94.9	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
13C2-4:2 FTS	IS	99.2	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
13C2-PFHxA	IS	83.6	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
13C4-PFHpA	IS	87.8	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
13C3-PFHxS	IS	102	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
13C2-6:2 FTS	IS	82.1	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
13C2-PFOA	IS	86.1	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1

ENTHALPY ANALYTICAL

Sample ID: OPR **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	B24G247-BS1	Column:	BEH C18
Project:	282537 NH 2920						

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C5-PFNA	IS	88.3	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
13C8-PFOSA	IS	71.7	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
13C8-PFOS	IS	75.3	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
13C2-PFDA	IS	85.4	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
13C2-8:2 FTS	IS	93.6	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
d3-MeFOSAA	IS	78.5	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
d5-EtFOSAA	IS	76.0	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
13C2-PFUnA	IS	83.8	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
13C2-PFDoA	IS	74.3	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
d3-MeFOSA	IS	29.0	50 - 150	H	B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1
13C2-PFTeDA	IS	69.1	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:35	1

ENTHALPY ANALYTICAL

Sample ID: Method Blank — **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	B24G251-BLK1	Column:	BEH C18
Project:	282537 NH 2920						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFPeA	2706-90-3	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFBS	375-73-5	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
4:2 FTS	757124-72-4	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFHxA	307-24-4	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFPeS	2706-91-4	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFHpA	375-85-9	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFHxS	355-46-4	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
6:2 FTS	27619-97-2	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFOA	335-67-1	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFHpS	375-92-8	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFNA	375-95-1	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFOSA	754-91-6	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFOS	1763-23-1	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFDA	335-76-2	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
8:2 FTS	39108-34-4	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFNS	68259-12-1	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
MeFOSAA	2355-31-9	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
EtFOSAA	2991-50-6	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFUnA	2058-94-8	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFDS	335-77-3	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFDoA	307-55-1	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
MeFOSA	31506-32-8	ND	4.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFTrDA	72629-94-8	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFTeDA	376-06-7	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	82.2	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C3-PFPeA	IS	80.2	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C3-PFBS	IS	85.1	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C2-4:2 FTS	IS	83.8	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C2-PFHxA	IS	82.1	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C4-PFHpA	IS	78.3	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C3-PFHxS	IS	79.4	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C2-6:2 FTS	IS	64.3	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C2-PFOA	IS	74.9	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C5-PFNA	IS	75.0	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C8-PFOSA	IS	38.9	50 - 150	H	B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C8-PFOS	IS	84.3	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1

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Sample ID: Method Blank — **PFAS Isotope Dilution Table B-15**

Client Data
Name: Eastern Analytical, Inc. Matrix: Aqueous
Project: 282537 NH 2920

Laboratory Data
Lab Sample: B24G251-BLK1 Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	74.3	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C2-8:2 FTS	IS	74.4	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
d3-MeFOSAA	IS	60.9	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
d5-EtFOSAA	IS	61.3	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C2-PFUnA	IS	68.3	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C2-PFDoA	IS	52.2	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
d3-MeFOSA	IS	19.5	50 - 150	H	B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C2-PFTeDA	IS	29.1	50 - 150	H	B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: OPR — **PFAS Isotope Dilution Table B-15**

Client Data

Name: Eastern Analytical, Inc.
Project: 282537 NH 2920
Matrix: Aqueous

Laboratory Data

Lab Sample: B24G251-BS1
Column: BEH C18

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	37.6	40.0	94.1	73 - 129		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFPeA	2706-90-3	37.7	40.0	94.3	72 - 129		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFBS	375-73-5	38.4	40.0	96.1	72 - 130		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
4:2 FTS	757124-72-4	40.2	40.0	100	63 - 143		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFHxA	307-24-4	39.2	40.0	97.9	72 - 129		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFPeS	2706-91-4	41.1	40.0	103	71 - 127		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFHpA	375-85-9	41.5	40.0	104	72 - 130		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFHxS	355-46-4	32.3	40.0	80.8	68 - 131		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
6:2 FTS	27619-97-2	43.2	40.0	108	64 - 140		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFOA	335-67-1	36.8	40.0	91.9	71 - 133		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFHpS	375-92-8	42.3	40.0	106	69 - 134		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFNA	375-95-1	34.0	40.0	85.0	69 - 130		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFOSA	754-91-6	43.7	40.0	109	67 - 137		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFOS	1763-23-1	40.6	40.0	102	65 - 140		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFDA	335-76-2	42.0	40.0	105	71 - 129		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
8:2 FTS	39108-34-4	45.4	40.0	114	67 - 138		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFNS	68259-12-1	42.2	40.0	106	69 - 127		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
MeFOSAA	2355-31-9	42.1	40.0	105	65 - 136		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
EtFOSAA	2991-50-6	37.0	40.0	92.6	61 - 135		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFUnA	2058-94-8	38.4	40.0	96.0	69 - 133		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFDS	335-77-3	47.3	40.0	118	53 - 142		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFDoA	307-55-1	38.1	40.0	95.4	72 - 134		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
MeFOSA	31506-32-8	41.1	40.0	103	68 - 141		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFTrDA	72629-94-8	34.6	40.0	86.6	65 - 144		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFTeDA	376-06-7	37.5	40.0	93.8	71 - 132		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	81.5	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C3-PFPeA	IS	82.8	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C3-PFBS	IS	76.7	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C2-4:2 FTS	IS	79.4	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C2-PFHxA	IS	80.8	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C4-PFHpA	IS	73.8	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C3-PFHxS	IS	86.8	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C2-6:2 FTS	IS	65.2	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C2-PFOA	IS	77.8	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1

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Sample ID: OPR **PFAS Isotope Dilution Table B-15**

Client Data

Name: Eastern Analytical, Inc. Matrix: Aqueous
Project: 282537 NH 2920

Laboratory Data

Lab Sample: B24G251-BS1 Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C5-PFNA	IS	84.0	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C8-PFOSA	IS	37.9	50 - 150	H	B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C8-PFOS	IS	75.4	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C2-PFDA	IS	74.4	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C2-8:2 FTS	IS	65.2	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
d3-MeFOSAA	IS	68.5	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
d5-EtFOSAA	IS	68.1	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C2-PFUnA	IS	78.0	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C2-PFDoA	IS	66.7	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
d3-MeFOSA	IS	22.9	50 - 150	H	B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C2-PFTeDA	IS	55.4	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1

ENTHALPY ANALYTICAL

Sample ID: Method Blank — **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	B24H021-BLK1	Column:	BEH C18
Project:	282537 NH 2920						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
PFPeA	2706-90-3	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
PFBS	375-73-5	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
4:2 FTS	757124-72-4	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
PFHxA	307-24-4	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
PFPeS	2706-91-4	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
PFHpA	375-85-9	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
PFHxS	355-46-4	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
6:2 FTS	27619-97-2	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
PFOA	335-67-1	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
PFHpS	375-92-8	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
PFNA	375-95-1	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
PFOSA	754-91-6	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
PFOS	1763-23-1	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
PFDA	335-76-2	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
8:2 FTS	39108-34-4	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
PFNS	68259-12-1	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
MeFOSAA	2355-31-9	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
EtFOSAA	2991-50-6	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
PFUnA	2058-94-8	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
PFDS	335-77-3	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
PFDoA	307-55-1	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
MeFOSA	31506-32-8	ND	4.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
PFTrDA	72629-94-8	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
PFTeDA	376-06-7	ND	2.00		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	104	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
13C3-PFPeA	IS	104	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
13C3-PFBS	IS	100	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
13C2-4:2 FTS	IS	106	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
13C2-PFHxA	IS	104	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
13C4-PFHpA	IS	96.1	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
13C3-PFHxS	IS	100	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
13C2-6:2 FTS	IS	98.1	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
13C2-PFOA	IS	106	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
13C5-PFNA	IS	103	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
13C8-PFOSA	IS	81.6	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
13C8-PFOS	IS	117	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1

ENTHALPY ANALYTICAL

Sample ID: Method Blank — **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	B24H021-BLK1	Column:	BEH C18
Project:	282537 NH 2920						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	96.1	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
13C2-8:2 FTS	IS	87.8	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
d3-MeFOSAA	IS	103	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
d5-EtFOSAA	IS	91.8	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
13C2-PFUnA	IS	94.6	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
13C2-PFDoA	IS	87.7	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
d3-MeFOSA	IS	45.1	50 - 150	H	B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1
13C2-PFTeDA	IS	82.3	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:36	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: OPR — **PFAS Isotope Dilution Table B-15**

Client Data

Name: Eastern Analytical, Inc.
Project: 282537 NH 2920
Matrix: Aqueous

Laboratory Data

Lab Sample: B24H021-BS1
Column: BEH C18

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	35.7	40.0	89.2	73 - 129		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
PFPeA	2706-90-3	35.9	40.0	89.6	72 - 129		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
PFBS	375-73-5	32.9	40.0	82.2	72 - 130		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
4:2 FTS	757124-72-4	36.7	40.0	91.8	63 - 143		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
PFHxA	307-24-4	35.7	40.0	89.1	72 - 129		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
PFPeS	2706-91-4	36.7	40.0	91.8	71 - 127		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
PFHpA	375-85-9	35.2	40.0	88.0	72 - 130		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
PFHxS	355-46-4	38.5	40.0	96.4	68 - 131		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
6:2 FTS	27619-97-2	34.6	40.0	86.6	64 - 140		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
PFOA	335-67-1	34.3	40.0	85.8	71 - 133		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
PFHpS	375-92-8	36.0	40.0	90.2	69 - 134		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
PFNA	375-95-1	38.4	40.0	96.0	69 - 130		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
PFOSA	754-91-6	41.2	40.0	103	67 - 137		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
PFOS	1763-23-1	33.8	40.0	84.5	65 - 140		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
PFDA	335-76-2	37.5	40.0	93.7	71 - 129		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
8:2 FTS	39108-34-4	31.8	40.0	79.4	67 - 138		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
PFNS	68259-12-1	32.5	40.0	81.3	69 - 127		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
MeFOSAA	2355-31-9	38.2	40.0	95.5	65 - 136		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
EtFOSAA	2991-50-6	37.4	40.0	93.4	61 - 135		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
PFUnA	2058-94-8	36.7	40.0	91.7	69 - 133		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
PFDS	335-77-3	33.8	40.0	84.5	53 - 142		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
PFDoA	307-55-1	34.9	40.0	87.2	72 - 134		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
MeFOSA	31506-32-8	37.4	40.0	93.6	68 - 141		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
PFTrDA	72629-94-8	33.7	40.0	84.4	65 - 144		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
PFTeDA	376-06-7	33.9	40.0	84.8	71 - 132		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	101	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
13C3-PFPeA	IS	99.6	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
13C3-PFBS	IS	100	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
13C2-4:2 FTS	IS	111	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
13C2-PFHxA	IS	107	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
13C4-PFHpA	IS	104	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
13C3-PFHxS	IS	110	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
13C2-6:2 FTS	IS	107	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
13C2-PFOA	IS	107	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1

ENTHALPY ANALYTICAL

Sample ID: OPR **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	B24H021-BS1	Column:	BEH C18
Project:	282537 NH 2920						

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C5-PFNA	IS	103	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
13C8-PFOSA	IS	74.7	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
13C8-PFOS	IS	108	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
13C2-PFDA	IS	92.1	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
13C2-8:2 FTS	IS	87.0	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
d3-MeFOSAA	IS	92.8	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
d5-EtFOSAA	IS	91.7	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
13C2-PFUnA	IS	96.0	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
13C2-PFDoA	IS	91.2	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
d3-MeFOSA	IS	33.8	50 - 150	H	B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1
13C2-PFTeDA	IS	78.3	50 - 150		B24H021	05-Aug-24	0.250 L	06-Aug-24 17:47	1

ENTHALPY ANALYTICAL

Sample ID: B-103S_20240723 **PFAS Isotope Dilution Table B-15**

Client Data

Name: Eastern Analytical, Inc.
Project: 282537 NH 2920
Location: 282537
Matrix: Aqueous
Date Collected: 23-Jul-24 16:10

Laboratory Data

Lab Sample: 2407241-01
Date Received: 26-Jul-24 11:11
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	12.7	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
PFPeA	2706-90-3	6.55	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
PFBS	375-73-5	13.3	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
4:2 FTS	757124-72-4	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
PFHxA	307-24-4	5.93	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
PFPeS	2706-91-4	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
PFHpA	375-85-9	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
PFHxS	355-46-4	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
6:2 FTS	27619-97-2	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
PFOA	335-67-1	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
PFHpS	375-92-8	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
PFNA	375-95-1	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
PFOSA	754-91-6	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
PFOS	1763-23-1	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
PFDA	335-76-2	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
8:2 FTS	39108-34-4	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
PFNS	68259-12-1	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
MeFOSAA	2355-31-9	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
EtFOSAA	2991-50-6	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
PFUnA	2058-94-8	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
PFDS	335-77-3	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
PFDoA	307-55-1	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
MeFOSA	31506-32-8	ND	4.01		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
PFTrDA	72629-94-8	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
PFTeDA	376-06-7	ND	2.00		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	94.1	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
13C3-PFPeA	IS	96.4	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
13C3-PFBS	IS	95.4	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
13C2-4:2 FTS	IS	97.4	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
13C2-PFHxA	IS	90.0	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
13C4-PFHpA	IS	88.9	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
13C3-PFHxS	IS	99.0	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
13C2-6:2 FTS	IS	89.0	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
13C2-PFOA	IS	88.9	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
13C5-PFNA	IS	101	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
13C8-PFOSA	IS	78.7	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1

ENTHALPY ANALYTICAL

Sample ID: B-103S_20240723 **PFAS Isotope Dilution Table B-15**

Client Data

Name:	Eastern Analytical, Inc.	Matrix:	Aqueous
Project:	282537 NH 2920	Date Collected:	23-Jul-24 16:10
Location:	282537		

Laboratory Data

Lab Sample:	2407241-01	Column:	BEH C18
Date Received:	26-Jul-24 11:11		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	77.0	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
13C2-PFDA	IS	91.1	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
13C2-8:2 FTS	IS	96.2	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
d3-MeFOSAA	IS	76.0	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
d5-EtFOSAA	IS	75.3	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
13C2-PFUnA	IS	87.4	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
13C2-PFDoA	IS	86.4	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
d3-MeFOSA	IS	35.5	50 - 150	H	B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1
13C2-PFTeDA	IS	72.7	50 - 150		B24G247	31-Jul-24	0.250 L	02-Aug-24 20:46	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-103D_20240723 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-02	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 16:25	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
PFPeA	2706-90-3	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
PFBS	375-73-5	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
4:2 FTS	757124-72-4	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
PFHxA	307-24-4	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
PFPeS	2706-91-4	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
PFHpA	375-85-9	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
PFHxS	355-46-4	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
6:2 FTS	27619-97-2	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
PFOA	335-67-1	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
PFHpS	375-92-8	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
PFNA	375-95-1	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
PFOSA	754-91-6	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
PFOS	1763-23-1	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
PFDA	335-76-2	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
8:2 FTS	39108-34-4	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
PFNS	68259-12-1	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
MeFOSAA	2355-31-9	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
EtFOSAA	2991-50-6	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
PFUnA	2058-94-8	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
PFDS	335-77-3	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
PFDoA	307-55-1	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
MeFOSA	31506-32-8	ND	3.79		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
PFTrDA	72629-94-8	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
PFTeDA	376-06-7	ND	1.90		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	76.6	50 - 150		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
13C3-PFPeA	IS	84.8	50 - 150		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
13C3-PFBS	IS	95.7	50 - 150		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
13C2-4:2 FTS	IS	94.7	50 - 150		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
13C2-PFHxA	IS	82.5	50 - 150		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
13C4-PFHpA	IS	86.1	50 - 150		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
13C3-PFHxS	IS	86.8	50 - 150		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
13C2-6:2 FTS	IS	76.1	50 - 150		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
13C2-PFOA	IS	78.4	50 - 150		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
13C5-PFNA	IS	90.8	50 - 150		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
13C8-PFOSA	IS	79.5	50 - 150		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1

ENTHALPY ANALYTICAL

Sample ID: B-103D_20240723 — **PFAS Isotope Dilution Table B-15**

Client Data

Name:	Eastern Analytical, Inc.	Matrix:	Aqueous
Project:	282537 NH 2920	Date Collected:	23-Jul-24 16:25
Location:	282537		

Laboratory Data

Lab Sample:	2407241-02	Column:	BEH C18
Date Received:	26-Jul-24 11:11		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	70.6	50 - 150		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
13C2-PFDA	IS	89.5	50 - 150		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
13C2-8:2 FTS	IS	93.0	50 - 150		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
d3-MeFOSAA	IS	80.7	50 - 150		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
d5-EtFOSAA	IS	71.0	50 - 150		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
13C2-PFUnA	IS	81.7	50 - 150		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
13C2-PFDoA	IS	73.1	50 - 150		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
d3-MeFOSA	IS	23.7	50 - 150	H	B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1
13C2-PFTeDA	IS	65.9	50 - 150		B24G247	31-Jul-24	0.264 L	02-Aug-24 20:56	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-304UR_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-03	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	22-Jul-24 13:45	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	82.5	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
PFPeA	2706-90-3	43.1	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
PFBS	375-73-5	39.2	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
4:2 FTS	757124-72-4	ND	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
PFHxA	307-24-4	53.3	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
PFPeS	2706-91-4	4.15	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
PFHpA	375-85-9	91.7	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
PFHxS	355-46-4	22.8	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
6:2 FTS	27619-97-2	2.78	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
PFOA	335-67-1	14.7	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
PFHpS	375-92-8	ND	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
PFNA	375-95-1	ND	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
PFOSA	754-91-6	ND	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
PFOS	1763-23-1	ND	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
PFDA	335-76-2	ND	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
8:2 FTS	39108-34-4	ND	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
PFNS	68259-12-1	ND	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
MeFOSAA	2355-31-9	ND	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
EtFOSAA	2991-50-6	ND	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
PFUnA	2058-94-8	ND	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
PFDS	335-77-3	ND	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
PFDoA	307-55-1	ND	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
MeFOSA	31506-32-8	ND	3.87		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
PFTrDA	72629-94-8	ND	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
PFTeDA	376-06-7	ND	1.94		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	81.3	50 - 150		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
13C3-PFPeA	IS	88.0	50 - 150		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
13C3-PFBS	IS	91.7	50 - 150		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
13C2-4:2 FTS	IS	89.5	50 - 150		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
13C2-PFHxA	IS	86.8	50 - 150		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
13C4-PFHpA	IS	91.7	50 - 150		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
13C3-PFHxS	IS	90.8	50 - 150		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
13C2-6:2 FTS	IS	94.0	50 - 150		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
13C2-PFOA	IS	88.9	50 - 150		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
13C5-PFNA	IS	93.2	50 - 150		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
13C8-PFOSA	IS	65.1	50 - 150		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1

ENTHALPY ANALYTICAL

Sample ID: B-304UR_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-03	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	22-Jul-24 13:45	Date Received:	26-Jul-24 11:11		
Location:	282537						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	79.0	50 - 150		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
13C2-PFDA	IS	90.6	50 - 150		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
13C2-8:2 FTS	IS	84.7	50 - 150		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
d3-MeFOSAA	IS	81.5	50 - 150		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
d5-EtFOSAA	IS	72.6	50 - 150		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
13C2-PFUnA	IS	86.7	50 - 150		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
13C2-PFDoA	IS	83.9	50 - 150		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
d3-MeFOSA	IS	27.3	50 - 150	H	B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1
13C2-PFTeDA	IS	77.7	50 - 150		B24G247	31-Jul-24	0.258 L	02-Aug-24 21:07	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-304DR_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-04	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	22-Jul-24 14:05	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	6.83	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
PFPeA	2706-90-3	9.03	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
PFBS	375-73-5	3.17	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
4:2 FTS	757124-72-4	ND	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
PFHxA	307-24-4	9.27	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
PFPeS	2706-91-4	ND	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
PFHpA	375-85-9	6.42	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
PFHxS	355-46-4	7.80	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
6:2 FTS	27619-97-2	3.24	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
PFOA	335-67-1	64.1	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
PFHpS	375-92-8	ND	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
PFNA	375-95-1	2.45	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
PFOSA	754-91-6	ND	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
PFOS	1763-23-1	ND	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
PFDA	335-76-2	ND	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
8:2 FTS	39108-34-4	ND	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
PFNS	68259-12-1	ND	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
MeFOSAA	2355-31-9	ND	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
EtFOSAA	2991-50-6	ND	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
PFUnA	2058-94-8	ND	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
PFDS	335-77-3	ND	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
PFDoA	307-55-1	ND	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
MeFOSA	31506-32-8	ND	3.51		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
PFTrDA	72629-94-8	ND	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
PFTeDA	376-06-7	ND	1.76		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	83.6	50 - 150		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
13C3-PFPeA	IS	86.7	50 - 150		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
13C3-PFBS	IS	98.0	50 - 150		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
13C2-4:2 FTS	IS	88.0	50 - 150		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
13C2-PFHxA	IS	87.3	50 - 150		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
13C4-PFHpA	IS	89.7	50 - 150		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
13C3-PFHxS	IS	89.3	50 - 150		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
13C2-6:2 FTS	IS	85.7	50 - 150		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
13C2-PFOA	IS	89.5	50 - 150		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
13C5-PFNA	IS	91.4	50 - 150		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
13C8-PFOSA	IS	77.2	50 - 150		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1

ENTHALPY ANALYTICAL

Sample ID: B-304DR_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-04	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	22-Jul-24 14:05	Date Received:	26-Jul-24 11:11		
Location:	282537						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	77.3	50 - 150		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
13C2-PFDA	IS	87.3	50 - 150		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
13C2-8:2 FTS	IS	86.0	50 - 150		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
d3-MeFOSAA	IS	76.4	50 - 150		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
d5-EtFOSAA	IS	69.8	50 - 150		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
13C2-PFUnA	IS	80.2	50 - 150		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
13C2-PFDoA	IS	63.1	50 - 150		B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
d3-MeFOSA	IS	10.6	50 - 150	H	B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1
13C2-PFTeDA	IS	19.0	50 - 150	H	B24G247	31-Jul-24	0.285 L	02-Aug-24 21:17	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: MW-604_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-05	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	22-Jul-24 09:07	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	2.92	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
PFPeA	2706-90-3	3.33	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
PFBS	375-73-5	4.77	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
4:2 FTS	757124-72-4	ND	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
PFHxA	307-24-4	4.10	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
PFPeS	2706-91-4	ND	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
PFHpA	375-85-9	3.55	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
PFHxS	355-46-4	ND	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
6:2 FTS	27619-97-2	ND	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
PFOA	335-67-1	16.0	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
PFHpS	375-92-8	ND	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
PFNA	375-95-1	ND	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
PFOSA	754-91-6	ND	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
PFOS	1763-23-1	2.37	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
PFDA	335-76-2	ND	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
8:2 FTS	39108-34-4	ND	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
PFNS	68259-12-1	ND	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
MeFOSAA	2355-31-9	ND	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
EtFOSAA	2991-50-6	ND	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
PFUnA	2058-94-8	ND	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
PFDS	335-77-3	ND	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
PFDoA	307-55-1	ND	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
MeFOSA	31506-32-8	ND	3.93		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
PFTrDA	72629-94-8	ND	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
PFTeDA	376-06-7	ND	1.96		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	76.5	50 - 150		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
13C3-PFPeA	IS	83.8	50 - 150		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
13C3-PFBS	IS	89.5	50 - 150		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
13C2-4:2 FTS	IS	96.2	50 - 150		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
13C2-PFHxA	IS	85.3	50 - 150		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
13C4-PFHpA	IS	82.3	50 - 150		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
13C3-PFHxS	IS	88.2	50 - 150		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
13C2-6:2 FTS	IS	84.2	50 - 150		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
13C2-PFOA	IS	79.9	50 - 150		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
13C5-PFNA	IS	90.8	50 - 150		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
13C8-PFOSA	IS	79.4	50 - 150		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1

ENTHALPY ANALYTICAL

Sample ID: MW-604_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-05	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	22-Jul-24 09:07	Date Received:	26-Jul-24 11:11		
Location:	282537						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	71.6	50 - 150		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
13C2-PFDA	IS	79.9	50 - 150		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
13C2-8:2 FTS	IS	91.0	50 - 150		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
d3-MeFOSAA	IS	78.9	50 - 150		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
d5-EtFOSAA	IS	76.7	50 - 150		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
13C2-PFUnA	IS	81.1	50 - 150		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
13C2-PFDoA	IS	78.1	50 - 150		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
d3-MeFOSA	IS	35.4	50 - 150	H	B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1
13C2-PFTeDA	IS	67.8	50 - 150		B24G247	31-Jul-24	0.255 L	02-Aug-24 21:27	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: MW-701_20240723 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-06	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 10:15	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.97	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
PFPeA	2706-90-3	4.85	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
PFBS	375-73-5	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
4:2 FTS	757124-72-4	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
PFHxA	307-24-4	5.98	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
PFPeS	2706-91-4	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
PFHpA	375-85-9	2.38	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
PFHxS	355-46-4	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
6:2 FTS	27619-97-2	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
PFOA	335-67-1	5.83	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
PFHpS	375-92-8	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
PFNA	375-95-1	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
PFOSA	754-91-6	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
PFOS	1763-23-1	5.39	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
PFDA	335-76-2	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
8:2 FTS	39108-34-4	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
PFNS	68259-12-1	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
MeFOSAA	2355-31-9	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
EtFOSAA	2991-50-6	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
PFUnA	2058-94-8	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
PFDS	335-77-3	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
PFDoA	307-55-1	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
MeFOSA	31506-32-8	ND	3.89		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
PFTrDA	72629-94-8	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
PFTeDA	376-06-7	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	83.0	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
13C3-PFPeA	IS	83.5	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
13C3-PFBS	IS	89.2	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
13C2-4:2 FTS	IS	89.7	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
13C2-PFHxA	IS	86.2	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
13C4-PFHpA	IS	80.5	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
13C3-PFHxS	IS	95.5	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
13C2-6:2 FTS	IS	80.5	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
13C2-PFOA	IS	84.3	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
13C5-PFNA	IS	91.8	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
13C8-PFOSA	IS	67.7	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1

ENTHALPY ANALYTICAL

Sample ID: MW-701_20240723 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-06	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 10:15	Date Received:	26-Jul-24 11:11		
Location:	282537						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	72.1	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
13C2-PFDA	IS	84.7	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
13C2-8:2 FTS	IS	90.1	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
d3-MeFOSAA	IS	73.3	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
d5-EtFOSAA	IS	78.7	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
13C2-PFUnA	IS	84.5	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
13C2-PFDoA	IS	79.7	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
d3-MeFOSA	IS	13.1	50 - 150	H	B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1
13C2-PFTeDA	IS	80.3	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 21:38	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: MW-802_20240723 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-07	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 15:38	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	8.42	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
PFPeA	2706-90-3	17.8	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
PFBS	375-73-5	5.01	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
4:2 FTS	757124-72-4	ND	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
PFHxA	307-24-4	20.1	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
PFPeS	2706-91-4	ND	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
PFHpA	375-85-9	12.0	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
PFHxS	355-46-4	3.82	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
6:2 FTS	27619-97-2	ND	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
PFOA	335-67-1	24.2	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
PFHpS	375-92-8	ND	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
PFNA	375-95-1	ND	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
PFOSA	754-91-6	ND	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
PFOS	1763-23-1	ND	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
PFDA	335-76-2	ND	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
8:2 FTS	39108-34-4	ND	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
PFNS	68259-12-1	ND	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
MeFOSAA	2355-31-9	ND	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
EtFOSAA	2991-50-6	ND	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
PFUnA	2058-94-8	ND	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
PFDS	335-77-3	ND	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
PFDoA	307-55-1	ND	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
MeFOSA	31506-32-8	ND	4.04		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
PFTrDA	72629-94-8	ND	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
PFTeDA	376-06-7	ND	2.02		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	81.6	50 - 150		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
13C3-PFPeA	IS	86.4	50 - 150		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
13C3-PFBS	IS	98.7	50 - 150		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
13C2-4:2 FTS	IS	91.1	50 - 150		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
13C2-PFHxA	IS	82.8	50 - 150		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
13C4-PFHpA	IS	84.3	50 - 150		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
13C3-PFHxS	IS	85.9	50 - 150		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
13C2-6:2 FTS	IS	87.1	50 - 150		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
13C2-PFOA	IS	77.7	50 - 150		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
13C5-PFNA	IS	85.7	50 - 150		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
13C8-PFOSA	IS	76.7	50 - 150		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1

ENTHALPY ANALYTICAL

Sample ID: MW-802_20240723 **PFAS Isotope Dilution Table B-15**

Client Data

Name: Eastern Analytical, Inc.
Project: 282537 NH 2920
Location: 282537
Matrix: Aqueous
Date Collected: 23-Jul-24 15:38

Laboratory Data

Lab Sample: 2407241-07
Date Received: 26-Jul-24 11:11
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	68.1	50 - 150		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
13C2-PFDA	IS	86.5	50 - 150		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
13C2-8:2 FTS	IS	81.0	50 - 150		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
d3-MeFOSAA	IS	79.5	50 - 150		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
d5-EtFOSAA	IS	71.1	50 - 150		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
13C2-PFUnA	IS	83.1	50 - 150		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
13C2-PFDoA	IS	80.0	50 - 150		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
d3-MeFOSA	IS	29.9	50 - 150	H	B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1
13C2-PFTeDA	IS	71.6	50 - 150		B24G247	31-Jul-24	0.248 L	02-Aug-24 21:48	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: MW-803_20240723 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-08	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 15:34	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	10.0	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
PFPeA	2706-90-3	15.4	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
PFBS	375-73-5	4.66	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
4:2 FTS	757124-72-4	ND	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
PFHxA	307-24-4	21.5	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
PFPeS	2706-91-4	ND	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
PFHpA	375-85-9	25.7	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
PFHxS	355-46-4	8.77	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
6:2 FTS	27619-97-2	ND	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
PFOA	335-67-1	64.0	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
PFHpS	375-92-8	ND	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
PFNA	375-95-1	ND	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
PFOSA	754-91-6	ND	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
PFOS	1763-23-1	ND	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
PFDA	335-76-2	ND	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
8:2 FTS	39108-34-4	ND	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
PFNS	68259-12-1	ND	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
MeFOSAA	2355-31-9	ND	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
EtFOSAA	2991-50-6	ND	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
PFUnA	2058-94-8	ND	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
PFDS	335-77-3	ND	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
PFDoA	307-55-1	ND	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
MeFOSA	31506-32-8	ND	3.97		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
PFTrDA	72629-94-8	ND	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
PFTeDA	376-06-7	ND	1.98		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	75.2	50 - 150		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
13C3-PFPeA	IS	83.2	50 - 150		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
13C3-PFBS	IS	94.4	50 - 150		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
13C2-4:2 FTS	IS	93.3	50 - 150		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
13C2-PFHxA	IS	81.9	50 - 150		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
13C4-PFHpA	IS	80.7	50 - 150		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
13C3-PFHxS	IS	79.4	50 - 150		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
13C2-6:2 FTS	IS	81.8	50 - 150		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
13C2-PFOA	IS	80.9	50 - 150		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
13C5-PFNA	IS	88.9	50 - 150		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
13C8-PFOSA	IS	69.7	50 - 150		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1

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Sample ID: MW-803_20240723 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-08	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 15:34	Date Received:	26-Jul-24 11:11		
Location:	282537						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	80.7	50 - 150		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
13C2-PFDA	IS	82.7	50 - 150		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
13C2-8:2 FTS	IS	86.0	50 - 150		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
d3-MeFOSAA	IS	71.4	50 - 150		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
d5-EtFOSAA	IS	67.4	50 - 150		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
13C2-PFUnA	IS	85.3	50 - 150		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
13C2-PFDoA	IS	80.2	50 - 150		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
d3-MeFOSA	IS	42.6	50 - 150	H	B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1
13C2-PFTeDA	IS	67.1	50 - 150		B24G247	31-Jul-24	0.252 L	02-Aug-24 21:58	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-915U_20240723 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-09	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 10:45	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	16.8	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
PFPeA	2706-90-3	30.0	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
PFBS	375-73-5	17.3	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
4:2 FTS	757124-72-4	ND	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
PFHxA	307-24-4	29.6	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
PFPeS	2706-91-4	ND	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
PFHpA	375-85-9	6.47	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
PFHxS	355-46-4	ND	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
6:2 FTS	27619-97-2	ND	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
PFOA	335-67-1	10.3	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
PFHpS	375-92-8	ND	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
PFNA	375-95-1	ND	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
PFOSA	754-91-6	ND	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
PFOS	1763-23-1	ND	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
PFDA	335-76-2	ND	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
8:2 FTS	39108-34-4	ND	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
PFNS	68259-12-1	ND	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
MeFOSAA	2355-31-9	ND	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
EtFOSAA	2991-50-6	ND	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
PFUnA	2058-94-8	ND	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
PFDS	335-77-3	ND	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
PFDoA	307-55-1	ND	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
MeFOSA	31506-32-8	ND	4.04		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
PFTrDA	72629-94-8	ND	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
PFTeDA	376-06-7	ND	2.02		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	88.8	50 - 150		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
13C3-PFPeA	IS	91.6	50 - 150		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
13C3-PFBS	IS	98.2	50 - 150		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
13C2-4:2 FTS	IS	112	50 - 150		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
13C2-PFHxA	IS	91.3	50 - 150		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
13C4-PFHpA	IS	92.2	50 - 150		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
13C3-PFHxS	IS	92.6	50 - 150		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
13C2-6:2 FTS	IS	95.1	50 - 150		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
13C2-PFOA	IS	87.6	50 - 150		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
13C5-PFNA	IS	96.4	50 - 150		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
13C8-PFOSA	IS	69.5	50 - 150		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1

ENTHALPY ANALYTICAL

Sample ID: B-915U_20240723 **PFAS Isotope Dilution Table B-15**

Client Data

Name: Eastern Analytical, Inc.
Project: 282537 NH 2920
Location: 282537
Matrix: Aqueous
Date Collected: 23-Jul-24 10:45

Laboratory Data

Lab Sample: 2407241-09
Date Received: 26-Jul-24 11:11
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	75.7	50 - 150		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
13C2-PFDA	IS	96.6	50 - 150		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
13C2-8:2 FTS	IS	87.2	50 - 150		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
d3-MeFOSAA	IS	86.1	50 - 150		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
d5-EtFOSAA	IS	78.9	50 - 150		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
13C2-PFUnA	IS	85.0	50 - 150		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
13C2-PFDoA	IS	79.7	50 - 150		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
d3-MeFOSA	IS	13.7	50 - 150	H	B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1
13C2-PFTeDA	IS	78.0	50 - 150		B24G247	31-Jul-24	0.247 L	02-Aug-24 22:09	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-915M_20240723 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-10	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 11:22	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	4.22	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
PFPeA	2706-90-3	4.28	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
PFBS	375-73-5	2.50	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
4:2 FTS	757124-72-4	ND	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
PFHxA	307-24-4	4.69	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
PFPeS	2706-91-4	ND	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
PFHpA	375-85-9	ND	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
PFHxS	355-46-4	ND	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
6:2 FTS	27619-97-2	ND	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
PFOA	335-67-1	4.20	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
PFHpS	375-92-8	ND	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
PFNA	375-95-1	ND	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
PFOSA	754-91-6	ND	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
PFOS	1763-23-1	ND	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
PFDA	335-76-2	ND	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
8:2 FTS	39108-34-4	ND	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
PFNS	68259-12-1	ND	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
MeFOSAA	2355-31-9	ND	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
EtFOSAA	2991-50-6	ND	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
PFUnA	2058-94-8	ND	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
PFDS	335-77-3	ND	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
PFDoA	307-55-1	ND	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
MeFOSA	31506-32-8	ND	4.09		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
PFTrDA	72629-94-8	ND	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
PFTeDA	376-06-7	ND	2.04		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	87.2	50 - 150		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
13C3-PFPeA	IS	90.8	50 - 150		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
13C3-PFBS	IS	108	50 - 150		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
13C2-4:2 FTS	IS	98.9	50 - 150		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
13C2-PFHxA	IS	89.6	50 - 150		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
13C4-PFHpA	IS	89.2	50 - 150		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
13C3-PFHxS	IS	100	50 - 150		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
13C2-6:2 FTS	IS	93.8	50 - 150		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
13C2-PFOA	IS	84.5	50 - 150		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
13C5-PFNA	IS	93.1	50 - 150		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
13C8-PFOSA	IS	71.2	50 - 150		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1

ENTHALPY ANALYTICAL

Sample ID: B-915M_20240723 **PFAS Isotope Dilution Table B-15**

Client Data

Name:	Eastern Analytical, Inc.	Matrix:	Aqueous
Project:	282537 NH 2920	Date Collected:	23-Jul-24 11:22
Location:	282537		

Laboratory Data

Lab Sample:	2407241-10	Column:	BEH C18
Date Received:	26-Jul-24 11:11		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	79.9	50 - 150		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
13C2-PFDA	IS	89.3	50 - 150		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
13C2-8:2 FTS	IS	87.6	50 - 150		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
d3-MeFOSAA	IS	80.5	50 - 150		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
d5-EtFOSAA	IS	77.4	50 - 150		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
13C2-PFUnA	IS	83.2	50 - 150		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
13C2-PFDoA	IS	80.6	50 - 150		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
d3-MeFOSA	IS	15.4	50 - 150	H	B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1
13C2-PFTeDA	IS	75.0	50 - 150		B24G247	31-Jul-24	0.245 L	02-Aug-24 22:19	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-916U_20240723 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-11	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 09:08	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
PFPeA	2706-90-3	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
PFBS	375-73-5	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
4:2 FTS	757124-72-4	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
PFHxA	307-24-4	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
PFPeS	2706-91-4	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
PFHpA	375-85-9	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
PFHxS	355-46-4	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
6:2 FTS	27619-97-2	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
PFOA	335-67-1	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
PFHpS	375-92-8	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
PFNA	375-95-1	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
PFOSA	754-91-6	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
PFOS	1763-23-1	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
PFDA	335-76-2	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
8:2 FTS	39108-34-4	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
PFNS	68259-12-1	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
MeFOSAA	2355-31-9	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
EtFOSAA	2991-50-6	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
PFUnA	2058-94-8	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
PFDS	335-77-3	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
PFDoA	307-55-1	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
MeFOSA	31506-32-8	ND	3.81		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
PFTrDA	72629-94-8	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
PFTeDA	376-06-7	ND	1.91		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	85.7	50 - 150		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
13C3-PFPeA	IS	91.1	50 - 150		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
13C3-PFBS	IS	110	50 - 150		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
13C2-4:2 FTS	IS	90.7	50 - 150		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
13C2-PFHxA	IS	88.2	50 - 150		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
13C4-PFHpA	IS	90.9	50 - 150		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
13C3-PFHxS	IS	85.9	50 - 150		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
13C2-6:2 FTS	IS	92.5	50 - 150		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
13C2-PFOA	IS	83.0	50 - 150		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
13C5-PFNA	IS	92.0	50 - 150		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
13C8-PFOSA	IS	74.1	50 - 150		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1

ENTHALPY ANALYTICAL

Sample ID: B-916U_20240723 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-11	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 09:08	Date Received:	26-Jul-24 11:11		
Location:	282537						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	75.9	50 - 150		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
13C2-PFDA	IS	92.6	50 - 150		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
13C2-8:2 FTS	IS	94.7	50 - 150		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
d3-MeFOSAA	IS	82.6	50 - 150		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
d5-EtFOSAA	IS	80.5	50 - 150		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
13C2-PFUnA	IS	89.3	50 - 150		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
13C2-PFDoA	IS	83.1	50 - 150		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
d3-MeFOSA	IS	24.3	50 - 150	H	B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1
13C2-PFTeDA	IS	77.3	50 - 150		B24G247	31-Jul-24	0.262 L	02-Aug-24 23:01	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-916M_20240723 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-12	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 09:20	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.39	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
PFPeA	2706-90-3	3.29	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
PFBS	375-73-5	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
4:2 FTS	757124-72-4	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
PFHxA	307-24-4	4.27	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
PFPeS	2706-91-4	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
PFHpA	375-85-9	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
PFHxS	355-46-4	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
6:2 FTS	27619-97-2	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
PFOA	335-67-1	2.14	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
PFHpS	375-92-8	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
PFNA	375-95-1	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
PFOSA	754-91-6	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
PFOS	1763-23-1	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
PFDA	335-76-2	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
8:2 FTS	39108-34-4	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
PFNS	68259-12-1	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
MeFOSAA	2355-31-9	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
EtFOSAA	2991-50-6	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
PFUnA	2058-94-8	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
PFDS	335-77-3	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
PFDoA	307-55-1	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
MeFOSA	31506-32-8	ND	3.91		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
PFTrDA	72629-94-8	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
PFTeDA	376-06-7	ND	1.96		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	85.4	50 - 150		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
13C3-PFPeA	IS	88.2	50 - 150		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
13C3-PFBS	IS	97.7	50 - 150		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
13C2-4:2 FTS	IS	98.9	50 - 150		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
13C2-PFHxA	IS	82.9	50 - 150		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
13C4-PFHpA	IS	83.5	50 - 150		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
13C3-PFHxS	IS	91.5	50 - 150		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
13C2-6:2 FTS	IS	88.0	50 - 150		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
13C2-PFOA	IS	84.0	50 - 150		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
13C5-PFNA	IS	87.6	50 - 150		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
13C8-PFOSA	IS	80.5	50 - 150		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1

ENTHALPY ANALYTICAL

Sample ID: B-916M_20240723 — **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-12	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 09:20	Date Received:	26-Jul-24 11:11		
Location:	282537						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	83.5	50 - 150		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
13C2-PFDA	IS	87.0	50 - 150		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
13C2-8:2 FTS	IS	89.5	50 - 150		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
d3-MeFOSAA	IS	83.0	50 - 150		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
d5-EtFOSAA	IS	76.2	50 - 150		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
13C2-PFUnA	IS	80.8	50 - 150		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
13C2-PFDoA	IS	74.4	50 - 150		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
d3-MeFOSA	IS	25.5	50 - 150	H	B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1
13C2-PFTeDA	IS	70.3	50 - 150		B24G247	31-Jul-24	0.256 L	02-Aug-24 23:11	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-917U_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-13	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	22-Jul-24 16:45	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
PFPeA	2706-90-3	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
PFBS	375-73-5	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
4:2 FTS	757124-72-4	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
PFHxA	307-24-4	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
PFPeS	2706-91-4	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
PFHpA	375-85-9	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
PFHxS	355-46-4	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
6:2 FTS	27619-97-2	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
PFOA	335-67-1	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
PFHpS	375-92-8	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
PFNA	375-95-1	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
PFOSA	754-91-6	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
PFOS	1763-23-1	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
PFDA	335-76-2	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
8:2 FTS	39108-34-4	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
PFNS	68259-12-1	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
MeFOSAA	2355-31-9	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
EtFOSAA	2991-50-6	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
PFUnA	2058-94-8	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
PFDS	335-77-3	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
PFDoA	307-55-1	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
MeFOSA	31506-32-8	ND	3.89		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
PFTrDA	72629-94-8	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
PFTeDA	376-06-7	ND	1.94		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	88.5	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
13C3-PFPeA	IS	93.0	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
13C3-PFBS	IS	94.2	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
13C2-4:2 FTS	IS	105	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
13C2-PFHxA	IS	90.8	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
13C4-PFHpA	IS	91.5	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
13C3-PFHxS	IS	93.1	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
13C2-6:2 FTS	IS	89.4	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
13C2-PFOA	IS	82.4	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
13C5-PFNA	IS	93.5	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
13C8-PFOSA	IS	67.1	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1

ENTHALPY ANALYTICAL

Sample ID: B-917U_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-13	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	22-Jul-24 16:45	Date Received:	26-Jul-24 11:11		
Location:	282537						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	77.1	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
13C2-PFDA	IS	91.6	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
13C2-8:2 FTS	IS	89.0	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
d3-MeFOSAA	IS	84.3	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
d5-EtFOSAA	IS	72.3	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
13C2-PFUnA	IS	79.0	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
13C2-PFDoA	IS	78.9	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
d3-MeFOSA	IS	10.3	50 - 150	H	B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1
13C2-PFTeDA	IS	59.9	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:22	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-909_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-14	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	22-Jul-24 17:30	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
PFPeA	2706-90-3	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
PFBS	375-73-5	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
4:2 FTS	757124-72-4	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
PFHxA	307-24-4	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
PFPeS	2706-91-4	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
PFHpA	375-85-9	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
PFHxS	355-46-4	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
6:2 FTS	27619-97-2	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
PFOA	335-67-1	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
PFHpS	375-92-8	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
PFNA	375-95-1	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
PFOSA	754-91-6	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
PFOS	1763-23-1	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
PFDA	335-76-2	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
8:2 FTS	39108-34-4	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
PFNS	68259-12-1	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
MeFOSAA	2355-31-9	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
EtFOSAA	2991-50-6	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
PFUnA	2058-94-8	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
PFDS	335-77-3	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
PFDoA	307-55-1	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
MeFOSA	31506-32-8	ND	3.02		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
PFTrDA	72629-94-8	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
PFTeDA	376-06-7	ND	1.51		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	86.7	50 - 150		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
13C3-PFPeA	IS	85.8	50 - 150		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
13C3-PFBS	IS	82.0	50 - 150		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
13C2-4:2 FTS	IS	85.0	50 - 150		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
13C2-PFHxA	IS	87.5	50 - 150		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
13C4-PFHpA	IS	84.1	50 - 150		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
13C3-PFHxS	IS	107	50 - 150		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
13C2-6:2 FTS	IS	79.2	50 - 150		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
13C2-PFOA	IS	88.2	50 - 150		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
13C5-PFNA	IS	78.5	50 - 150		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
13C8-PFOSA	IS	64.4	50 - 150		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1

ENTHALPY ANALYTICAL

Sample ID: B-909_20240722 **PFAS Isotope Dilution Table B-15**

Client Data

Name: Eastern Analytical, Inc.
Project: 282537 NH 2920
Location: 282537
Matrix: Aqueous
Date Collected: 22-Jul-24 17:30

Laboratory Data

Lab Sample: 2407241-14
Date Received: 26-Jul-24 11:11
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	101	50 - 150		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
13C2-PFDA	IS	80.1	50 - 150		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
13C2-8:2 FTS	IS	75.9	50 - 150		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
d3-MeFOSAA	IS	82.4	50 - 150		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
d5-EtFOSAA	IS	73.8	50 - 150		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
13C2-PFUnA	IS	71.9	50 - 150		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
13C2-PFDoA	IS	64.1	50 - 150		B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
d3-MeFOSA	IS	12.0	50 - 150	H	B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1
13C2-PFTeDA	IS	23.5	50 - 150	H	B24H021	05-Aug-24	0.332 L	06-Aug-24 18:28	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-918U_20240722 **PFAS Isotope Dilution Table B-15**

Client Data

Name: Eastern Analytical, Inc.
Project: 282537 NH 2920
Location: 282537
Matrix: Aqueous
Date Collected: 22-Jul-24 15:45

Laboratory Data

Lab Sample: 2407241-15
Date Received: 26-Jul-24 11:11
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
PFPeA	2706-90-3	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
PFBS	375-73-5	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
4:2 FTS	757124-72-4	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
PFHxA	307-24-4	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
PFPeS	2706-91-4	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
PFHpA	375-85-9	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
PFHxS	355-46-4	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
6:2 FTS	27619-97-2	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
PFOA	335-67-1	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
PFHpS	375-92-8	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
PFNA	375-95-1	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
PFOSA	754-91-6	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
PFOS	1763-23-1	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
PFDA	335-76-2	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
8:2 FTS	39108-34-4	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
PFNS	68259-12-1	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
MeFOSAA	2355-31-9	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
EtFOSAA	2991-50-6	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
PFUnA	2058-94-8	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
PFDS	335-77-3	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
PFDoA	307-55-1	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
MeFOSA	31506-32-8	ND	3.87		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
PFTrDA	72629-94-8	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
PFTeDA	376-06-7	ND	1.93		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	83.4	50 - 150		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
13C3-PFPeA	IS	84.9	50 - 150		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
13C3-PFBS	IS	89.4	50 - 150		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
13C2-4:2 FTS	IS	99.0	50 - 150		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
13C2-PFHxA	IS	87.9	50 - 150		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
13C4-PFHpA	IS	87.3	50 - 150		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
13C3-PFHxS	IS	101	50 - 150		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
13C2-6:2 FTS	IS	90.4	50 - 150		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
13C2-PFOA	IS	85.4	50 - 150		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
13C5-PFNA	IS	90.9	50 - 150		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
13C8-PFOSA	IS	64.4	50 - 150		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1

ENTHALPY ANALYTICAL

Sample ID: B-918U_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-15	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	22-Jul-24 15:45	Date Received:	26-Jul-24 11:11		
Location:	282537						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	76.8	50 - 150		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
13C2-PFDA	IS	87.9	50 - 150		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
13C2-8:2 FTS	IS	82.2	50 - 150		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
d3-MeFOSAA	IS	81.6	50 - 150		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
d5-EtFOSAA	IS	73.5	50 - 150		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
13C2-PFUnA	IS	80.7	50 - 150		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
13C2-PFDoA	IS	79.1	50 - 150		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
d3-MeFOSA	IS	17.4	50 - 150	H	B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1
13C2-PFTeDA	IS	74.5	50 - 150		B24G247	31-Jul-24	0.259 L	02-Aug-24 23:32	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-918M_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-16	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	22-Jul-24 15:43	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
PFPeA	2706-90-3	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
PFBS	375-73-5	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
4:2 FTS	757124-72-4	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
PFHxA	307-24-4	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
PFPeS	2706-91-4	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
PFHpA	375-85-9	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
PFHxS	355-46-4	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
6:2 FTS	27619-97-2	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
PFOA	335-67-1	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
PFHpS	375-92-8	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
PFNA	375-95-1	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
PFOSA	754-91-6	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
PFOS	1763-23-1	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
PFDA	335-76-2	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
8:2 FTS	39108-34-4	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
PFNS	68259-12-1	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
MeFOSAA	2355-31-9	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
EtFOSAA	2991-50-6	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
PFUnA	2058-94-8	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
PFDS	335-77-3	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
PFDoA	307-55-1	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
MeFOSA	31506-32-8	ND	3.90		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
PFTrDA	72629-94-8	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
PFTeDA	376-06-7	ND	1.95		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	79.7	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
13C3-PFPeA	IS	85.1	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
13C3-PFBS	IS	92.4	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
13C2-4:2 FTS	IS	92.3	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
13C2-PFHxA	IS	83.6	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
13C4-PFHpA	IS	88.3	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
13C3-PFHxS	IS	90.4	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
13C2-6:2 FTS	IS	81.0	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
13C2-PFOA	IS	80.8	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
13C5-PFNA	IS	84.6	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
13C8-PFOSA	IS	73.9	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1

ENTHALPY ANALYTICAL

Sample ID: B-918M_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-16	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	22-Jul-24 15:43	Date Received:	26-Jul-24 11:11		
Location:	282537						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	71.5	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
13C2-PFDA	IS	85.2	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
13C2-8:2 FTS	IS	75.7	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
d3-MeFOSAA	IS	81.0	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
d5-EtFOSAA	IS	68.8	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
13C2-PFUnA	IS	77.1	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
13C2-PFDoA	IS	79.0	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
d3-MeFOSA	IS	23.6	50 - 150	H	B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1
13C2-PFTeDA	IS	73.3	50 - 150		B24G247	31-Jul-24	0.257 L	02-Aug-24 23:42	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: DUP-3_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-17	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	22-Jul-24 15:43	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
PFPeA	2706-90-3	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
PFBS	375-73-5	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
4:2 FTS	757124-72-4	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
PFHxA	307-24-4	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
PFPeS	2706-91-4	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
PFHpA	375-85-9	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
PFHxS	355-46-4	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
6:2 FTS	27619-97-2	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
PFOA	335-67-1	2.21	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
PFHpS	375-92-8	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
PFNA	375-95-1	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
PFOSA	754-91-6	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
PFOS	1763-23-1	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
PFDA	335-76-2	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
8:2 FTS	39108-34-4	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
PFNS	68259-12-1	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
MeFOSAA	2355-31-9	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
EtFOSAA	2991-50-6	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
PFUnA	2058-94-8	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
PFDS	335-77-3	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
PFDoA	307-55-1	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
MeFOSA	31506-32-8	ND	3.93		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
PFTrDA	72629-94-8	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
PFTeDA	376-06-7	ND	1.97		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	77.7	50 - 150		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
13C3-PFPeA	IS	85.1	50 - 150		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
13C3-PFBS	IS	87.2	50 - 150		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
13C2-4:2 FTS	IS	107	50 - 150		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
13C2-PFHxA	IS	81.9	50 - 150		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
13C4-PFHpA	IS	84.4	50 - 150		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
13C3-PFHxS	IS	83.7	50 - 150		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
13C2-6:2 FTS	IS	86.1	50 - 150		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
13C2-PFOA	IS	82.4	50 - 150		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
13C5-PFNA	IS	89.1	50 - 150		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
13C8-PFOSA	IS	66.5	50 - 150		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1

ENTHALPY ANALYTICAL

Sample ID: DUP-3_20240722 — **PFAS Isotope Dilution Table B-15**

Client Data

Name:	Eastern Analytical, Inc.	Matrix:	Aqueous
Project:	282537 NH 2920	Date Collected:	22-Jul-24 15:43
Location:	282537		

Laboratory Data

Lab Sample:	2407241-17	Column:	BEH C18
Date Received:	26-Jul-24 11:11		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	77.4	50 - 150		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
13C2-PFDA	IS	84.8	50 - 150		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
13C2-8:2 FTS	IS	87.3	50 - 150		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
d3-MeFOSAA	IS	82.0	50 - 150		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
d5-EtFOSAA	IS	78.1	50 - 150		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
13C2-PFUnA	IS	80.6	50 - 150		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
13C2-PFDoA	IS	80.3	50 - 150		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
d3-MeFOSA	IS	25.2	50 - 150	H	B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1
13C2-PFTeDA	IS	76.5	50 - 150		B24G247	31-Jul-24	0.254 L	02-Aug-24 23:53	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-919U_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-18	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	22-Jul-24 11:50	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	8.70	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
PFPeA	2706-90-3	5.74	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
PFBS	375-73-5	9.56	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
4:2 FTS	757124-72-4	ND	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
PFHxA	307-24-4	8.31	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
PFPeS	2706-91-4	ND	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
PFHpA	375-85-9	6.61	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
PFHxS	355-46-4	ND	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
6:2 FTS	27619-97-2	ND	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
PFOA	335-67-1	32.3	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
PFHpS	375-92-8	ND	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
PFNA	375-95-1	3.47	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
PFOSA	754-91-6	ND	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
PFOS	1763-23-1	ND	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
PFDA	335-76-2	ND	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
8:2 FTS	39108-34-4	ND	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
PFNS	68259-12-1	ND	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
MeFOSAA	2355-31-9	ND	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
EtFOSAA	2991-50-6	ND	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
PFUnA	2058-94-8	ND	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
PFDS	335-77-3	ND	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
PFDoA	307-55-1	ND	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
MeFOSA	31506-32-8	ND	3.87		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
PFTrDA	72629-94-8	ND	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
PFTeDA	376-06-7	ND	1.93		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	90.2	50 - 150		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
13C3-PFPeA	IS	95.1	50 - 150		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
13C3-PFBS	IS	97.5	50 - 150		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
13C2-4:2 FTS	IS	106	50 - 150		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
13C2-PFHxA	IS	92.0	50 - 150		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
13C4-PFHpA	IS	90.7	50 - 150		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
13C3-PFHxS	IS	88.2	50 - 150		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
13C2-6:2 FTS	IS	95.0	50 - 150		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
13C2-PFOA	IS	83.8	50 - 150		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
13C5-PFNA	IS	95.1	50 - 150		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
13C8-PFOSA	IS	79.1	50 - 150		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1

ENTHALPY ANALYTICAL

Sample ID: B-919U_20240722 — **PFAS Isotope Dilution Table B-15**

Client Data

Name:	Eastern Analytical, Inc.	Matrix:	Aqueous
Project:	282537 NH 2920	Date Collected:	22-Jul-24 11:50
Location:	282537		

Laboratory Data

Lab Sample:	2407241-18	Column:	BEH C18
Date Received:	26-Jul-24 11:11		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	80.6	50 - 150		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
13C2-PFDA	IS	91.2	50 - 150		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
13C2-8:2 FTS	IS	97.9	50 - 150		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
d3-MeFOSAA	IS	80.1	50 - 150		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
d5-EtFOSAA	IS	79.3	50 - 150		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
13C2-PFUnA	IS	85.1	50 - 150		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
13C2-PFDoA	IS	82.1	50 - 150		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
d3-MeFOSA	IS	26.2	50 - 150	H	B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1
13C2-PFTeDA	IS	54.5	50 - 150		B24G247	31-Jul-24	0.259 L	03-Aug-24 00:03	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-919M_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-19	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	22-Jul-24 14:45	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
PFPeA	2706-90-3	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
PFBS	375-73-5	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
4:2 FTS	757124-72-4	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
PFHxA	307-24-4	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
PFPeS	2706-91-4	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
PFHpA	375-85-9	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
PFHxS	355-46-4	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
6:2 FTS	27619-97-2	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
PFOA	335-67-1	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
PFHpS	375-92-8	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
PFNA	375-95-1	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
PFOSA	754-91-6	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
PFOS	1763-23-1	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
PFDA	335-76-2	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
8:2 FTS	39108-34-4	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
PFNS	68259-12-1	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
MeFOSAA	2355-31-9	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
EtFOSAA	2991-50-6	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
PFUnA	2058-94-8	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
PFDS	335-77-3	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
PFDoA	307-55-1	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
MeFOSA	31506-32-8	ND	3.94		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
PFTrDA	72629-94-8	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
PFTeDA	376-06-7	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	85.8	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
13C3-PFPeA	IS	89.1	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
13C3-PFBS	IS	99.2	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
13C2-4:2 FTS	IS	89.8	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
13C2-PFHxA	IS	90.2	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
13C4-PFHpA	IS	91.3	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
13C3-PFHxS	IS	84.8	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
13C2-6:2 FTS	IS	86.2	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
13C2-PFOA	IS	83.5	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
13C5-PFNA	IS	90.7	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
13C8-PFOSA	IS	68.6	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1

ENTHALPY ANALYTICAL

Sample ID: B-919M_20240722 **PFAS Isotope Dilution Table B-15**

Client Data

Name:	Eastern Analytical, Inc.	Matrix:	Aqueous
Project:	282537 NH 2920	Date Collected:	22-Jul-24 14:45
Location:	282537		

Laboratory Data

Lab Sample:	2407241-19	Column:	BEH C18
Date Received:	26-Jul-24 11:11		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	72.4	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
13C2-PFDA	IS	87.6	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
13C2-8:2 FTS	IS	93.9	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
d3-MeFOSAA	IS	84.4	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
d5-EtFOSAA	IS	73.7	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
13C2-PFUnA	IS	85.2	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
13C2-PFDoA	IS	83.1	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
d3-MeFOSA	IS	24.5	50 - 150	H	B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1
13C2-PFTeDA	IS	66.4	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:13	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-923U_20240723 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-20	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 12:00	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
PFPeA	2706-90-3	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
PFBS	375-73-5	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
4:2 FTS	757124-72-4	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
PFHxA	307-24-4	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
PFPeS	2706-91-4	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
PFHpA	375-85-9	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
PFHxS	355-46-4	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
6:2 FTS	27619-97-2	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
PFOA	335-67-1	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
PFHpS	375-92-8	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
PFNA	375-95-1	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
PFOSA	754-91-6	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
PFOS	1763-23-1	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
PFDA	335-76-2	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
8:2 FTS	39108-34-4	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
PFNS	68259-12-1	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
MeFOSAA	2355-31-9	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
EtFOSAA	2991-50-6	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
PFUnA	2058-94-8	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
PFDS	335-77-3	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
PFDoA	307-55-1	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
MeFOSA	31506-32-8	ND	3.94		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
PFTrDA	72629-94-8	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
PFTeDA	376-06-7	ND	1.97		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	81.3	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
13C3-PFPeA	IS	86.3	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
13C3-PFBS	IS	102	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
13C2-4:2 FTS	IS	92.9	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
13C2-PFHxA	IS	85.6	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
13C4-PFHpA	IS	85.8	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
13C3-PFHxS	IS	89.3	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
13C2-6:2 FTS	IS	76.3	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
13C2-PFOA	IS	80.2	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
13C5-PFNA	IS	85.5	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
13C8-PFOSA	IS	64.2	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1

ENTHALPY ANALYTICAL

Sample ID: B-923U_20240723 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-20	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 12:00	Date Received:	26-Jul-24 11:11		
Location:	282537						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	73.7	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
13C2-PFDA	IS	88.0	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
13C2-8:2 FTS	IS	83.3	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
d3-MeFOSAA	IS	71.2	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
d5-EtFOSAA	IS	70.5	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
13C2-PFUnA	IS	74.2	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
13C2-PFDoA	IS	68.2	50 - 150		B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
d3-MeFOSA	IS	22.4	50 - 150	H	B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1
13C2-PFTeDA	IS	39.4	50 - 150	H	B24G247	31-Jul-24	0.254 L	03-Aug-24 00:24	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-926U_20240723 **PFAS Isotope Dilution Table B-15**

Client Data

Name:	Eastern Analytical, Inc.	Matrix:	Aqueous
Project:	282537 NH 2920	Date Collected:	23-Jul-24 09:50
Location:	282537		

Laboratory Data

Lab Sample:	2407241-21	Column:	BEH C18
Date Received:	26-Jul-24 11:11		

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.95	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
PFPeA	2706-90-3	4.74	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
PFBS	375-73-5	2.37	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
4:2 FTS	757124-72-4	ND	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
PFHxA	307-24-4	10.2	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
PFPeS	2706-91-4	ND	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
PFHpA	375-85-9	17.0	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
PFHxS	355-46-4	4.41	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
6:2 FTS	27619-97-2	ND	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
PFOA	335-67-1	44.6	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
PFHpS	375-92-8	ND	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
PFNA	375-95-1	ND	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
PFOSA	754-91-6	ND	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
PFOS	1763-23-1	ND	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
PFDA	335-76-2	ND	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
8:2 FTS	39108-34-4	ND	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
PFNS	68259-12-1	ND	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
MeFOSAA	2355-31-9	ND	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
EtFOSAA	2991-50-6	ND	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
PFUnA	2058-94-8	ND	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
PFDS	335-77-3	ND	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
PFDoA	307-55-1	ND	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
MeFOSA	31506-32-8	ND	4.11		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
PFTrDA	72629-94-8	ND	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
PFTeDA	376-06-7	ND	2.05		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	82.8	50 - 150		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
13C3-PFPeA	IS	84.2	50 - 150		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
13C3-PFBS	IS	84.5	50 - 150		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
13C2-4:2 FTS	IS	81.8	50 - 150		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
13C2-PFHxA	IS	85.4	50 - 150		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
13C4-PFHpA	IS	80.8	50 - 150		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
13C3-PFHxS	IS	80.9	50 - 150		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
13C2-6:2 FTS	IS	78.3	50 - 150		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
13C2-PFOA	IS	78.5	50 - 150		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
13C5-PFNA	IS	79.7	50 - 150		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
13C8-PFOSA	IS	53.3	50 - 150		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1

ENTHALPY ANALYTICAL

Sample ID: B-926U_20240723 — **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-21	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 09:50	Date Received:	26-Jul-24 11:11		
Location:	282537						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	89.8	50 - 150		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
13C2-PFDA	IS	78.2	50 - 150		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
13C2-8:2 FTS	IS	76.4	50 - 150		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
d3-MeFOSAA	IS	75.4	50 - 150		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
d5-EtFOSAA	IS	76.8	50 - 150		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
13C2-PFUnA	IS	79.4	50 - 150		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
13C2-PFDoA	IS	74.2	50 - 150		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
d3-MeFOSA	IS	22.1	50 - 150	H	B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1
13C2-PFTeDA	IS	79.0	50 - 150		B24G251	31-Jul-24	0.244 L	01-Aug-24 23:04	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-926L_20240723 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-22	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 09:53	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	4.14	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
PFPeA	2706-90-3	4.74	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
PFBS	375-73-5	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
4:2 FTS	757124-72-4	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
PFHxA	307-24-4	5.89	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
PFPeS	2706-91-4	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
PFHpA	375-85-9	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
PFHxS	355-46-4	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
6:2 FTS	27619-97-2	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
PFOA	335-67-1	2.74	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
PFHpS	375-92-8	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
PFNA	375-95-1	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
PFOSA	754-91-6	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
PFOS	1763-23-1	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
PFDA	335-76-2	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
8:2 FTS	39108-34-4	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
PFNS	68259-12-1	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
MeFOSAA	2355-31-9	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
EtFOSAA	2991-50-6	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
PFUnA	2058-94-8	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
PFDS	335-77-3	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
PFDoA	307-55-1	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
MeFOSA	31506-32-8	ND	3.94		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
PFTrDA	72629-94-8	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
PFTeDA	376-06-7	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	82.2	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
13C3-PFPeA	IS	85.0	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
13C3-PFBS	IS	81.4	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
13C2-4:2 FTS	IS	82.7	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
13C2-PFHxA	IS	85.2	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
13C4-PFHpA	IS	82.1	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
13C3-PFHxS	IS	84.7	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
13C2-6:2 FTS	IS	69.6	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
13C2-PFOA	IS	79.2	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
13C5-PFNA	IS	86.4	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
13C8-PFOSA	IS	55.0	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1

ENTHALPY ANALYTICAL

Sample ID: B-926L_20240723 **PFAS Isotope Dilution Table B-15**

Client Data

Name: Eastern Analytical, Inc.
Project: 282537 NH 2920
Location: 282537
Matrix: Aqueous
Date Collected: 23-Jul-24 09:53

Laboratory Data

Lab Sample: 2407241-22
Date Received: 26-Jul-24 11:11
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	83.5	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
13C2-PFDA	IS	79.3	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
13C2-8:2 FTS	IS	70.5	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
d3-MeFOSAA	IS	73.3	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
d5-EtFOSAA	IS	75.0	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
13C2-PFUnA	IS	74.4	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
13C2-PFDoA	IS	69.9	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
d3-MeFOSA	IS	23.4	50 - 150	H	B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1
13C2-PFTeDA	IS	64.2	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:14	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-927U_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-23	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	22-Jul-24 12:50	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	14.3	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
PFPeA	2706-90-3	13.9	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
PFBS	375-73-5	6.41	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
4:2 FTS	757124-72-4	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
PFHxA	307-24-4	13.9	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
PFPeS	2706-91-4	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
PFHpA	375-85-9	2.52	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
PFHxS	355-46-4	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
6:2 FTS	27619-97-2	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
PFOA	335-67-1	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
PFHpS	375-92-8	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
PFNA	375-95-1	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
PFOSA	754-91-6	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
PFOS	1763-23-1	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
PFDA	335-76-2	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
8:2 FTS	39108-34-4	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
PFNS	68259-12-1	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
MeFOSAA	2355-31-9	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
EtFOSAA	2991-50-6	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
PFUnA	2058-94-8	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
PFDS	335-77-3	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
PFDoA	307-55-1	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
MeFOSA	31506-32-8	ND	3.93		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
PFTrDA	72629-94-8	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
PFTeDA	376-06-7	ND	1.97		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	89.2	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
13C3-PFPeA	IS	90.1	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
13C3-PFBS	IS	88.6	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
13C2-4:2 FTS	IS	81.6	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
13C2-PFHxA	IS	90.0	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
13C4-PFHpA	IS	86.1	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
13C3-PFHxS	IS	87.8	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
13C2-6:2 FTS	IS	79.8	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
13C2-PFOA	IS	80.2	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
13C5-PFNA	IS	87.6	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
13C8-PFOSA	IS	62.3	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1

ENTHALPY ANALYTICAL

Sample ID: B-927U_20240722 — **PFAS Isotope Dilution Table B-15**

Client Data

Name:	Eastern Analytical, Inc.	Matrix:	Aqueous
Project:	282537 NH 2920	Date Collected:	22-Jul-24 12:50
Location:	282537		

Laboratory Data

Lab Sample:	2407241-23	Column:	BEH C18
Date Received:	26-Jul-24 11:11		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	93.6	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
13C2-PFDA	IS	82.1	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
13C2-8:2 FTS	IS	75.4	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
d3-MeFOSAA	IS	75.0	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
d5-EtFOSAA	IS	75.6	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
13C2-PFUnA	IS	74.5	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
13C2-PFDoA	IS	60.9	50 - 150		B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
d3-MeFOSA	IS	28.3	50 - 150	H	B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1
13C2-PFTeDA	IS	29.2	50 - 150	H	B24G251	31-Jul-24	0.254 L	01-Aug-24 23:56	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-927M_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-24	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	22-Jul-24 12:39	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
PFPeA	2706-90-3	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
PFBS	375-73-5	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
4:2 FTS	757124-72-4	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
PFHxA	307-24-4	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
PFPeS	2706-91-4	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
PFHpA	375-85-9	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
PFHxS	355-46-4	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
6:2 FTS	27619-97-2	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
PFOA	335-67-1	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
PFHpS	375-92-8	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
PFNA	375-95-1	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
PFOSA	754-91-6	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
PFOS	1763-23-1	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
PFDA	335-76-2	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
8:2 FTS	39108-34-4	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
PFNS	68259-12-1	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
MeFOSAA	2355-31-9	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
EtFOSAA	2991-50-6	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
PFUnA	2058-94-8	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
PFDS	335-77-3	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
PFDoA	307-55-1	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
MeFOSA	31506-32-8	ND	3.34		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
PFTrDA	72629-94-8	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
PFTeDA	376-06-7	ND	1.67		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	74.4	50 - 150		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
13C3-PFPeA	IS	74.8	50 - 150		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
13C3-PFBS	IS	72.8	50 - 150		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
13C2-4:2 FTS	IS	71.8	50 - 150		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
13C2-PFHxA	IS	74.4	50 - 150		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
13C4-PFHpA	IS	72.2	50 - 150		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
13C3-PFHxS	IS	72.6	50 - 150		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
13C2-6:2 FTS	IS	62.4	50 - 150		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
13C2-PFOA	IS	70.6	50 - 150		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
13C5-PFNA	IS	69.7	50 - 150		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
13C8-PFOSA	IS	45.8	50 - 150	H	B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1

ENTHALPY ANALYTICAL

Sample ID: B-927M_20240722 **PFAS Isotope Dilution Table B-15**

Client Data

Name: Eastern Analytical, Inc.
Project: 282537 NH 2920
Location: 282537
Matrix: Aqueous
Date Collected: 22-Jul-24 12:39

Laboratory Data

Lab Sample: 2407241-24
Date Received: 26-Jul-24 11:11
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	74.2	50 - 150		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
13C2-PFDA	IS	61.7	50 - 150		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
13C2-8:2 FTS	IS	53.7	50 - 150		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
d3-MeFOSAA	IS	56.3	50 - 150		B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
d5-EtFOSAA	IS	47.7	50 - 150	H	B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
13C2-PFUnA	IS	49.8	50 - 150	H	B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
13C2-PFDoA	IS	30.9	50 - 150	H	B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
d3-MeFOSA	IS	11.8	50 - 150	H	B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1
13C2-PFTeDA	IS	10.4	50 - 150	H	B24G251	31-Jul-24	0.299 L	02-Aug-24 00:06	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-928U_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-25	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	22-Jul-24 14:40	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	7.23	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
PFPeA	2706-90-3	6.35	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
PFBS	375-73-5	5.73	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
4:2 FTS	757124-72-4	ND	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
PFHxA	307-24-4	9.01	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
PFPeS	2706-91-4	ND	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
PFHpA	375-85-9	5.97	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
PFHxS	355-46-4	ND	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
6:2 FTS	27619-97-2	ND	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
PFOA	335-67-1	11.9	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
PFHpS	375-92-8	ND	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
PFNA	375-95-1	ND	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
PFOSA	754-91-6	ND	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
PFOS	1763-23-1	ND	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
PFDA	335-76-2	ND	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
8:2 FTS	39108-34-4	ND	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
PFNS	68259-12-1	ND	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
MeFOSAA	2355-31-9	ND	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
EtFOSAA	2991-50-6	ND	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
PFUnA	2058-94-8	ND	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
PFDS	335-77-3	ND	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
PFDoA	307-55-1	ND	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
MeFOSA	31506-32-8	ND	4.03		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
PFTrDA	72629-94-8	ND	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
PFTeDA	376-06-7	ND	2.01		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	92.7	50 - 150		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
13C3-PFPeA	IS	94.1	50 - 150		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
13C3-PFBS	IS	96.3	50 - 150		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
13C2-4:2 FTS	IS	80.9	50 - 150		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
13C2-PFHxA	IS	94.2	50 - 150		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
13C4-PFHpA	IS	92.4	50 - 150		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
13C3-PFHxS	IS	88.6	50 - 150		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
13C2-6:2 FTS	IS	76.7	50 - 150		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
13C2-PFOA	IS	85.6	50 - 150		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
13C5-PFNA	IS	86.0	50 - 150		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
13C8-PFOSA	IS	59.7	50 - 150		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1

ENTHALPY ANALYTICAL

Sample ID: B-928U_20240722 **PFAS Isotope Dilution Table B-15**

Client Data

Name:	Eastern Analytical, Inc.	Matrix:	Aqueous
Project:	282537 NH 2920	Date Collected:	22-Jul-24 14:40
Location:	282537		

Laboratory Data

Lab Sample:	2407241-25	Column:	BEH C18
Date Received:	26-Jul-24 11:11		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	92.5	50 - 150		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
13C2-PFDA	IS	85.2	50 - 150		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
13C2-8:2 FTS	IS	75.4	50 - 150		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
d3-MeFOSAA	IS	76.1	50 - 150		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
d5-EtFOSAA	IS	79.7	50 - 150		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
13C2-PFUnA	IS	76.3	50 - 150		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
13C2-PFDoA	IS	71.3	50 - 150		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
d3-MeFOSA	IS	30.0	50 - 150	H	B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1
13C2-PFTeDA	IS	73.7	50 - 150		B24G251	31-Jul-24	0.248 L	02-Aug-24 00:17	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-928D_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-26	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	22-Jul-24 14:44	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	6.61	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
PFPeA	2706-90-3	4.84	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
PFBS	375-73-5	5.27	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
4:2 FTS	757124-72-4	ND	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
PFHxA	307-24-4	8.02	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
PFPeS	2706-91-4	ND	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
PFHpA	375-85-9	5.07	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
PFHxS	355-46-4	ND	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
6:2 FTS	27619-97-2	ND	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
PFOA	335-67-1	9.58	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
PFHpS	375-92-8	ND	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
PFNA	375-95-1	ND	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
PFOSA	754-91-6	ND	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
PFOS	1763-23-1	ND	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
PFDA	335-76-2	ND	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
8:2 FTS	39108-34-4	ND	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
PFNS	68259-12-1	ND	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
MeFOSAA	2355-31-9	ND	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
EtFOSAA	2991-50-6	ND	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
PFUnA	2058-94-8	ND	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
PFDS	335-77-3	ND	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
PFDoA	307-55-1	ND	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
MeFOSA	31506-32-8	ND	3.77		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
PFTrDA	72629-94-8	ND	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
PFTeDA	376-06-7	ND	1.88		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	84.6	50 - 150		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
13C3-PFPeA	IS	86.8	50 - 150		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
13C3-PFBS	IS	86.4	50 - 150		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
13C2-4:2 FTS	IS	78.4	50 - 150		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
13C2-PFHxA	IS	84.5	50 - 150		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
13C4-PFHpA	IS	84.2	50 - 150		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
13C3-PFHxS	IS	82.5	50 - 150		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
13C2-6:2 FTS	IS	71.9	50 - 150		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
13C2-PFOA	IS	79.5	50 - 150		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
13C5-PFNA	IS	85.1	50 - 150		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
13C8-PFOSA	IS	55.4	50 - 150		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1

ENTHALPY ANALYTICAL

Sample ID: B-928D_20240722 **PFAS Isotope Dilution Table B-15**

Client Data

Name:	Eastern Analytical, Inc.	Matrix:	Aqueous
Project:	282537 NH 2920	Date Collected:	22-Jul-24 14:44
Location:	282537		

Laboratory Data

Lab Sample:	2407241-26	Column:	BEH C18
Date Received:	26-Jul-24 11:11		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	80.1	50 - 150		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
13C2-PFDA	IS	76.6	50 - 150		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
13C2-8:2 FTS	IS	72.2	50 - 150		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
d3-MeFOSAA	IS	72.5	50 - 150		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
d5-EtFOSAA	IS	66.1	50 - 150		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
13C2-PFUnA	IS	70.9	50 - 150		B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
13C2-PFDoA	IS	44.1	50 - 150	H	B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
d3-MeFOSA	IS	19.2	50 - 150	H	B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1
13C2-PFTeDA	IS	9.80	50 - 150	H	B24G251	31-Jul-24	0.265 L	02-Aug-24 00:27	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-929U_20240723 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-27	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 13:59	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
PFPeA	2706-90-3	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
PFBS	375-73-5	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
4:2 FTS	757124-72-4	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
PFHxA	307-24-4	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
PFPeS	2706-91-4	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
PFHpA	375-85-9	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
PFHxS	355-46-4	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
6:2 FTS	27619-97-2	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
PFOA	335-67-1	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
PFHpS	375-92-8	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
PFNA	375-95-1	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
PFOSA	754-91-6	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
PFOS	1763-23-1	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
PFDA	335-76-2	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
8:2 FTS	39108-34-4	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
PFNS	68259-12-1	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
MeFOSAA	2355-31-9	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
EtFOSAA	2991-50-6	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
PFUnA	2058-94-8	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
PFDS	335-77-3	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
PFDoA	307-55-1	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
MeFOSA	31506-32-8	ND	3.96		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
PFTrDA	72629-94-8	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
PFTeDA	376-06-7	ND	1.98		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	88.3	50 - 150		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
13C3-PFPeA	IS	89.4	50 - 150		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
13C3-PFBS	IS	94.9	50 - 150		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
13C2-4:2 FTS	IS	83.7	50 - 150		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
13C2-PFHxA	IS	88.6	50 - 150		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
13C4-PFHpA	IS	84.3	50 - 150		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
13C3-PFHxS	IS	77.2	50 - 150		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
13C2-6:2 FTS	IS	78.8	50 - 150		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
13C2-PFOA	IS	82.2	50 - 150		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
13C5-PFNA	IS	81.9	50 - 150		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
13C8-PFOSA	IS	64.7	50 - 150		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1

ENTHALPY ANALYTICAL

Sample ID: B-929U_20240723 — **PFAS Isotope Dilution Table B-15**

Client Data

Name:	Eastern Analytical, Inc.	Matrix:	Aqueous
Project:	282537 NH 2920	Date Collected:	23-Jul-24 13:59
Location:	282537		

Laboratory Data

Lab Sample:	2407241-27	Column:	BEH C18
Date Received:	26-Jul-24 11:11		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	93.8	50 - 150		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
13C2-PFDA	IS	78.4	50 - 150		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
13C2-8:2 FTS	IS	85.5	50 - 150		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
d3-MeFOSAA	IS	73.2	50 - 150		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
d5-EtFOSAA	IS	78.6	50 - 150		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
13C2-PFUnA	IS	74.8	50 - 150		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
13C2-PFDoA	IS	57.7	50 - 150		B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
d3-MeFOSA	IS	23.8	50 - 150	H	B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1
13C2-PFTeDA	IS	28.0	50 - 150	H	B24G251	31-Jul-24	0.253 L	02-Aug-24 00:37	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-930U_20240723 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-28	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-22 14:21	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
PFPeA	2706-90-3	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
PFBS	375-73-5	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
4:2 FTS	757124-72-4	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
PFHxA	307-24-4	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
PFPeS	2706-91-4	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
PFHpA	375-85-9	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
PFHxS	355-46-4	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
6:2 FTS	27619-97-2	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
PFOA	335-67-1	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
PFHpS	375-92-8	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
PFNA	375-95-1	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
PFOSA	754-91-6	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
PFOS	1763-23-1	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
PFDA	335-76-2	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
8:2 FTS	39108-34-4	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
PFNS	68259-12-1	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
MeFOSAA	2355-31-9	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
EtFOSAA	2991-50-6	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
PFUnA	2058-94-8	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
PFDS	335-77-3	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
PFDoA	307-55-1	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
MeFOSA	31506-32-8	ND	3.91		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
PFTrDA	72629-94-8	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
PFTeDA	376-06-7	ND	1.95		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	77.7	50 - 150		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
13C3-PFPeA	IS	79.7	50 - 150		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
13C3-PFBS	IS	82.0	50 - 150		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
13C2-4:2 FTS	IS	77.9	50 - 150		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
13C2-PFHxA	IS	80.9	50 - 150		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
13C4-PFHpA	IS	76.2	50 - 150		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
13C3-PFHxS	IS	72.6	50 - 150		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
13C2-6:2 FTS	IS	68.9	50 - 150		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
13C2-PFOA	IS	71.6	50 - 150		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
13C5-PFNA	IS	78.6	50 - 150		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
13C8-PFOSA	IS	52.8	50 - 150		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1

ENTHALPY ANALYTICAL

Sample ID: B-930U_20240723 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-28	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-22 14:21	Date Received:	26-Jul-24 11:11		
Location:	282537						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	75.1	50 - 150		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
13C2-PFDA	IS	72.4	50 - 150		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
13C2-8:2 FTS	IS	62.4	50 - 150		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
d3-MeFOSAA	IS	71.4	50 - 150		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
d5-EtFOSAA	IS	69.8	50 - 150		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
13C2-PFUnA	IS	71.6	50 - 150		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
13C2-PFDoA	IS	53.3	50 - 150		B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
d3-MeFOSA	IS	32.4	50 - 150	H	B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1
13C2-PFTeDA	IS	33.3	50 - 150	H	B24G251	31-Jul-24	0.256 L	02-Aug-24 00:48	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-931U_20240723 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-29	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 14:55	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
PFPeA	2706-90-3	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
PFBS	375-73-5	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
4:2 FTS	757124-72-4	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
PFHxA	307-24-4	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
PFPeS	2706-91-4	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
PFHpA	375-85-9	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
PFHxS	355-46-4	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
6:2 FTS	27619-97-2	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
PFOA	335-67-1	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
PFHpS	375-92-8	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
PFNA	375-95-1	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
PFOSA	754-91-6	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
PFOS	1763-23-1	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
PFDA	335-76-2	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
8:2 FTS	39108-34-4	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
PFNS	68259-12-1	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
MeFOSAA	2355-31-9	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
EtFOSAA	2991-50-6	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
PFUnA	2058-94-8	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
PFDS	335-77-3	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
PFDoA	307-55-1	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
MeFOSA	31506-32-8	ND	4.11		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
PFTrDA	72629-94-8	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
PFTeDA	376-06-7	ND	2.06		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	87.1	50 - 150		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
13C3-PFPeA	IS	89.1	50 - 150		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
13C3-PFBS	IS	85.3	50 - 150		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
13C2-4:2 FTS	IS	84.9	50 - 150		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
13C2-PFHxA	IS	87.4	50 - 150		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
13C4-PFHpA	IS	83.7	50 - 150		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
13C3-PFHxS	IS	85.0	50 - 150		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
13C2-6:2 FTS	IS	75.8	50 - 150		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
13C2-PFOA	IS	79.6	50 - 150		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
13C5-PFNA	IS	82.9	50 - 150		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
13C8-PFOSA	IS	61.0	50 - 150		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1

ENTHALPY ANALYTICAL

Sample ID: B-931U_20240723 **PFAS Isotope Dilution Table B-15**

Client Data

Name: Eastern Analytical, Inc.
Project: 282537 NH 2920
Location: 282537
Matrix: Aqueous
Date Collected: 23-Jul-24 14:55

Laboratory Data

Lab Sample: 2407241-29
Date Received: 26-Jul-24 11:11
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	83.5	50 - 150		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
13C2-PFDA	IS	77.0	50 - 150		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
13C2-8:2 FTS	IS	75.6	50 - 150		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
d3-MeFOSAA	IS	69.6	50 - 150		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
d5-EtFOSAA	IS	73.5	50 - 150		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
13C2-PFUnA	IS	72.3	50 - 150		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
13C2-PFDoA	IS	57.5	50 - 150		B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
d3-MeFOSA	IS	25.1	50 - 150	H	B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1
13C2-PFTeDA	IS	23.4	50 - 150	H	B24G251	31-Jul-24	0.243 L	02-Aug-24 00:58	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: FB-PFAS-01_20240723 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-30	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 16:30	Date Received:	26-Jul-24 11:11		
Location:	282537						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
PFPeA	2706-90-3	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
PFBS	375-73-5	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
4:2 FTS	757124-72-4	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
PFHxA	307-24-4	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
PFPeS	2706-91-4	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
PFHpA	375-85-9	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
PFHxS	355-46-4	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
6:2 FTS	27619-97-2	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
PFOA	335-67-1	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
PFHpS	375-92-8	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
PFNA	375-95-1	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
PFOSA	754-91-6	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
PFOS	1763-23-1	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
PFDA	335-76-2	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
8:2 FTS	39108-34-4	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
PFNS	68259-12-1	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
MeFOSAA	2355-31-9	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
EtFOSAA	2991-50-6	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
PFUnA	2058-94-8	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
PFDS	335-77-3	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
PFDoA	307-55-1	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
MeFOSA	31506-32-8	ND	3.78		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
PFTrDA	72629-94-8	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
PFTeDA	376-06-7	ND	1.89		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	85.1	50 - 150		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
13C3-PFPeA	IS	85.6	50 - 150		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
13C3-PFBS	IS	83.9	50 - 150		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
13C2-4:2 FTS	IS	82.3	50 - 150		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
13C2-PFHxA	IS	86.4	50 - 150		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
13C4-PFHpA	IS	84.5	50 - 150		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
13C3-PFHxS	IS	89.4	50 - 150		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
13C2-6:2 FTS	IS	75.4	50 - 150		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
13C2-PFOA	IS	83.2	50 - 150		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
13C5-PFNA	IS	83.1	50 - 150		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
13C8-PFOSA	IS	62.6	50 - 150		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1

ENTHALPY ANALYTICAL

Sample ID: FB-PFAS-01_20240723 — **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407241-30	Column:	BEH C18
Project:	282537 NH 2920	Date Collected:	23-Jul-24 16:30	Date Received:	26-Jul-24 11:11		
Location:	282537						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	89.1	50 - 150		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
13C2-PFDA	IS	72.6	50 - 150		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
13C2-8:2 FTS	IS	66.2	50 - 150		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
d3-MeFOSAA	IS	74.2	50 - 150		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
d5-EtFOSAA	IS	67.7	50 - 150		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
13C2-PFUnA	IS	72.9	50 - 150		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
13C2-PFDoA	IS	67.1	50 - 150		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
d3-MeFOSA	IS	28.3	50 - 150	H	B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1
13C2-PFTeDA	IS	64.6	50 - 150		B24G251	31-Jul-24	0.264 L	02-Aug-24 01:09	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Enthalpy Analytical - EDH Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
Nevada Division of Environmental Protection	CA00413
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.

CHAIN-OF-CUSTODY RECORD

Eastern Analytical, Inc.
professional laboratory and drilling services

EAI ID# 282537 Page 1

Sample ID	Date Sampled	Matrix	aParameters	2407241 5.8°C 3.3°C, 4.5°C Sample Notes
B-103S_20240723	7/23/2024 16:10	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
B-103D_20240723	7/23/2024 16:25	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
B-304UR_20240722	7/22/2024 13:45	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
B-304DR_20240722	7/22/2024 14:05	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	

EAI ID# 282537 Project State: NH
Project ID: 2920

Company Vista Analytical Laboratory
Address 1104 Windfield Way
Address El Dorado Hills, CA 95762
Account #
Phone # (916) 673-1520

Results Needed: Preferred Date: Standard
RUSH Due Date: _____

QC Deliverables
☐ A ☐ A+ ☒ B ☐ B+ ☐ C ☐ MA MCP

Notes about project:

Email login confirmation, pdf of results and invoice to customerservice@easternanalytical.com.

1) Centrifuge samples if needed
2) Please Report Sulfonic Acids
3) PFAS by Method 537 Mod with isotope dilution (Compound List attached))
4) Report to RL (no J-flags)

PO #: US0543807228 EAI ID# 282537

Data Deliverable (circle)
Excel NH EMD EQuIS ME EGA

Call prior to analyzing, if RUSH charges will be applied.

Samples Collected by: _____

Relinquished by	Date/Time	Received by
[signature]	7/25/24 1600	UPS
UPS	07/26/24 11:11	[signature]

Relinquished by Date/Time Received by

As a subcontract lab to EAI, you will defend, indemnify and hold Eastern Analytical, Inc., its officers, employees, and agents harmless from and against any and all liability, loss, expense or claims for injury or damage arising out of the performance against this chain of custody but only in proportion to and to the extent such liability, loss, expense, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of you as a subcontract lab, your officers, agents or employees

CHAIN-OF-CUSTODY RECORD

Eastern Analytical, Inc.
professional laboratory and drilling services

EAI ID# 282537 Page 2

Sample ID	Date Sampled	Matrix	aParameters 2407241	Sample Notes
MW-604_20240722	7/22/2024 09:07	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
MW-701_20240723	7/23/2024 10:15	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
MW-802_20240723	7/23/2024 15:38	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
MW-803_20240723	7/23/2024 15:34	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	

EAI ID# 282537 Project State: NH
Project ID: 2920

Company Vista Analytical Laboratory
Address 1104 Windfield Way
Address El Dorado Hills, CA 95762
Account #
Phone # (916) 673-1520

Results Needed: Preferred Date: Standard
RUSH Due Date: _____

QC Deliverables
☐ A ☐ A+ ☒ B ☐ B+ ☐ C ☐ MA MCP

Notes about project:
Email login confirmation, pdf of results and invoice to customerservice@easternanalytical.com.

1) Centrifuge samples if needed
2) Please Report Sulfonic Acids
3) PFAS by Method 537 Mod with isotope dilution (Compound List attached))
4) Report to RL (no J-flags)

PO #: US0543807228 EAI ID# 282537

Data Deliverable (circle)
Excel NH EMD EQuIS ME EGAD

Call prior to analyzing, if RUSH charges will be applied.

Samples Collected by: _____

Relinquished by	Date/Time	Received by
	7/25/24 1600	UPS
UPS	07/26/24 11:11	Karaj. Kr
Relinquished by	Date/Time	Received by

As a subcontract lab to EAI, you will defend, indemnify and hold Eastern Analytical, Inc., its officers, employees, and agents harmless from and against any and all liability, loss, expense or claims for injury or damage arising out of the performance against this chain of custody but only in proportion to and to the extent such liability, loss, expense, or claims for injury or damages are caused by or result from the negligent or intentiona acts or omissions of you as a subcontract lab, your officers, agents or employees

CHAIN-OF-CUSTODY RECORD

Eastern Analytical, Inc.
professional laboratory and drilling services

EAI ID# 282537 Page 3

Sample ID	Date Sampled	Matrix	aParameters 240724	Sample Notes
B-915U_20240723	7/23/2024 10:45	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
B-915M_20240723	7/23/2024 11:22	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
B-916U_20240723	7/23/2024 09:08	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
B-916M_20240723	7/23/2024 09:20	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	

EAI ID# 282537 Project State: NH
Project ID: 2920

Company Vista Analytical Laboratory
Address 1104 Windfield Way
Address El Dorado Hills, CA 95762
Account #
Phone # (916) 673-1520

Results Needed: Preferred Date: Standard
RUSH Due Date: _____

QC Deliverables
☐ A ☐ A+ ☒ B ☐ B+ ☐ C ☐ MA MCP

Notes about project:
Email login confirmation, pdf of results and invoice to customerservice@easternanalytical.com.

1) Centrifuge samples if needed
2) Please Report Sulfonic Acids
3) PFAS by Method 537 Mod with isotope dilution (Compound List attached))
4) Report to RL (no J-flags)

PO #: US0543807228 EAI ID# 282537

Data Deliverable (circle)
Excel NH EMD EQuIS ME EGAD

Call prior to analyzing, if RUSH charges will be applied.

Samples Collected by: _____

Relinquished by	Date/Time	Received by
[signature]	7/25/24 1600	UPS
UPS	07/26/24 11:11	[signature]
Relinquished by	Date/Time	Received by

As a subcontract lab to EAI, you will defend, indemnify and hold Eastern Analytical, Inc., its officers, employees, and agents harmless from and against any and all liability, loss, expense or claims for injury or damage arising out of the performance against this chain of custody but only in proportion to and to the extent such liability, loss, expense, or claims for injury or damages are caused by or result from the negligent or intentiona acts or omissions of you as a subcontract lab, your officers, agents or employees

CHAIN-OF-CUSTODY RECORD

Eastern Analytical, Inc.
professional laboratory and drilling services

EAI ID# 282537 Page 4

2407241

Sample ID	Date Sampled	Matrix	aParameters	Sample Notes
B-917U_20240722	7/22/2024 16:45	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
B-909_20240722	7/22/2024 17:30	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
B-918U_20240722	7/22/2024 15:45	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
B-918M_20240722	7/22/2024 15:43	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	

EAI ID# 282537 Project State: NH
Project ID: 2920

Company Vista Analytical Laboratory
Address 1104 Windfield Way
Address El Dorado Hills, CA 95762
Account #
Phone # (916) 673-1520

Results Needed: Preferred Date: Standard
RUSH Due Date: _____

QC Deliverables
☐ A ☐ A+ ☒ B ☐ B+ ☐ C ☐ MA MCP

Notes about project:
Email login confirmation, pdf of results and invoice to customerservice@easternanalytical.com.

1) Centrifuge samples if needed
2) Please Report Sulfonic Acids
3) PFAS by Method 537 Mod with isotope dilution (Compound List attached))
4) Report to RL (no J-flags)

PO #: US0543807228 EAI ID# 282537

Data Deliverable (circle)
Excel NH EMD EQuIS ME EGAD

Call prior to analyzing, if RUSH charges will be applied.

Samples Collected by: _____

Relinquished by	Date/Time	Received by
[signature]	7/25/24 1600	UPS
UPS	07/26/24 11:11	[signature]

Relinquished by Date/Time Received by

As a subcontract lab to EAI, you will defend, indemnify and hold Eastern Analytical, Inc., its officers, employees, and agents harmless from and against any and all liability, loss, expense or claims for injury or damage arising out of the performance against this chain of custody but only in proportion to and to the extent such liability, loss, expense, or claims for injury or damages are caused by or result from the negligent or intentiona acts or omissions of you as a subcontract lab, your officers, agents or employees

CHAIN-OF-CUSTODY RECORD

Eastern Analytical, Inc.
professional laboratory and drilling services

EAI ID# 282537 Page 5

2407241

Sample ID	Date Sampled	Matrix	aParameters	Sample Notes
DUP-3_20240722	7/22/2024 15:43	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
B-919U_20240722	7/22/2024 11:50	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
B-919M_20240722	7/22/2024 14:45	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
B-923U_20240723	7/23/2024 12:00	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	

EAI ID# 282537 Project State: NH
Project ID: 2920

Company Vista Analytical Laboratory
Address 1104 Windfield Way
Address El Dorado Hills, CA 95762
Account #
Phone # (916) 673-1520

Results Needed: Preferred Date: Standard
RUSH Due Date: _____

QC Deliverables
☐ A ☐ A+ ☒ B ☐ B+ ☐ C ☐ MA MCP

Notes about project:
Email login confirmation, pdf of results and invoice to customerservice@easternanalytical.com.

1) Centrifuge samples if needed
2) Please Report Sulfonic Acids
3) PFAS by Method 537 Mod with isotope dilution (Compound List attached))
4) Report to RL (no J-flags)

PO #: US0543807228 EAI ID# 282537

Data Deliverable (circle)
Excel NH EMD EQuIS ME EGAD

Call prior to analyzing, if RUSH charges will be applied.

Samples Collected by: _____

Relinquished by	Date/Time	Received by
[signature]	7/25/24 1600	UPS
UPS	07/26/24 11:11	[signature]

Relinquished by Date/Time Received by

As a subcontract lab to EAI, you will defend, indemnify and hold Eastern Analytical, Inc., its officers, employees, and agents harmless from and against any and all liability, loss, expense or claims for injury or damage arising out of the performance against this chain of custody but only in proportion to and to the extent such liability, loss, expense, or claims for injury or damages are caused by or result from the negligent or intentiona acts or omissions of you as a subcontract lab, your officers, agents or employees

CHAIN-OF-CUSTODY RECORD

Eastern Analytical, Inc.
professional laboratory and drilling services

EAI ID# 282537 Page 6

2407241

Sample ID	Date Sampled	Matrix	aParameters	Sample Notes
B-926U_20240723	7/23/2024 09:50	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
B-926L_20240723	7/23/2024 09:53	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
B-927U_20240722	7/22/2024 12:50	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
B-927M_20240722	7/22/2024 12:39	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	

EAI ID# 282537 Project State: NH
Project ID: 2920

Company Vista Analytical Laboratory
Address 1104 Windfield Way
Address El Dorado Hills, CA 95762
Account #
Phone # (916) 673-1520

Results Needed: Preferred Date: Standard
RUSH Due Date: _____
QC Deliverables
☐ A ☐ A+ ☒ B ☐ B+ ☐ C ☐ MA MCP
Notes about project:
Email login confirmation, pdf of results and invoice to customerservice@easternanalytical.com.
1) Centrifuge samples if needed
2) Please Report Sulfonic Acids
3) PFAS by Method 537 Mod with isotope dilution (Compound List attached))
4) Report to RL (no J-flags)

PO #: US0543807228 EAI ID# 282537
Data Deliverable (circle)
Excel NH EMD EQuIS ME EGAD
Call prior to analyzing, if RUSH charges will be applied.

Samples Collected by:

Relinquished by	Date/Time	Received by
	7/25/24 1600	UPS
UPS	07/26/24 11:11	
Relinquished by	Date/Time	Received by

Eastern Analytical, Inc. 51 Antrim Ave Concord, NH 03301 Phone: (603)228-0525 1-800-287-0525 customerservice@easternanalytical.com

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CHAIN-OF-CUSTODY RECORD

Eastern Analytical, Inc.
professional laboratory and drilling services

EAI ID# **282537** Page 7

Sample ID	Date Sampled	Matrix	aParameters 2407241	Sample Notes
B-928U_20240722	7/22/2024 14:40	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
B-928D_20240722	7/22/2024 14:44	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
B-929U_20240723	7/23/2024 13:59	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
B-930U_20240723	7/23/2024 14:21	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	

EAI ID# **282537** Project State: NH
Project ID: 2920

Company Vista Analytical Laboratory
Address 1104 Windfield Way
Address El Dorado Hills, CA 95762
Account #
Phone # (916) 673-1520

Results Needed: Preferred Date: Standard
RUSH Due Date: _____

QC Deliverables
☐ A ☐ A+ ☒ B ☐ B+ ☐ C ☐ MA MCP

Notes about project:
Email login confirmation, pdf of results and invoice to customerservice@easternanalytical.com.

1) Centrifuge samples if needed
2) Please Report Sulfonic Acids
3) PFAS by Method 537 Mod with isotope dilution (Compound List attached))
4) Report to RL (no J-flags)

PO #: US0543807228 EAI ID# **282537**

Data Deliverable (circle)
Excel NH EMD EQuIS ME EGAD

Call prior to analyzing, if RUSH charges will be applied.

Samples collected by: _____

Relinquished by	Date/Time	Received by
[signature]	7/25/24 1600	UPS
UPS	07/26/24 11:11	[signature]

Eastern Analytical, Inc. 51 Antrim Ave Concord, NH 03301 Phone: (603)228-0525 1-800-287-0525 customerservice@easternanalytical.com

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CHAIN-OF-CUSTODY RECORD

Eastern Analytical, Inc.
professional laboratory and drilling services

EAI ID# 282537 Page 8

2407241

Sample ID	Date Sampled	Matrix	aParameters	Sample Notes
B-931U_20240723	7/23/2024 14:55	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
FB-PFAS-01_20240723	7/23/2024 16:30	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	

EAI ID# 282537 Project State: NH
Project ID: 2920

Company Vista Analytical Laboratory
Address 1104 Windfield Way
Address El Dorado Hills, CA 95762
Account #
Phone # (916) 673-1520

Results Needed: Preferred Date: Standard
RUSH Due Date: _____

QC Deliverables
☐ A ☐ A+ ☒ B ☐ B+ ☐ C ☐ MA MCP

Notes about project:
Email login confirmation, pdf of results and invoice to customerservice@easternanalytical.com.

1) Centrifuge samples if needed
2) Please Report Sulfonic Acids
3) PFAS by Method 537 Mod with isotope dilution (Compound List attached))
4) Report to RL (no J-flags)

PO #: US0543807228 EAI ID# 282537

Data Deliverable (circle)
Excel NH EMD EQuIS ME EGAD

Call prior to analyzing, if RUSH charges will be applied.

Samples Collected by: _____

Relinquished by	Date/Time	Received by
[signature]	7/25/24 1600	UPS
UPS	07/26/24 11:31	[signature]

Relinquished by Date/Time Received by

As a subcontract lab to EAI, you will defend, indemnify and hold Eastern Analytical, Inc., its officers, employees, and agents harmless from and against any and all liability, loss, expense or claims for injury or damage arising out of the performance against this chain of custody but only in proportion to and to the extent such liability, loss, expense, or claims for injury or damages are caused by or result from the negligent or intentiona acts or omissions of you as a subcontract lab, your officers, agents or employees

2407241 CAT # 282537

PFAS DoD 25 Compounds

Analyte Name	CAS #	Analyte
4:2 Fluorotelomer sulfonate	757124-72-4	4:2-FTS
6:2 Fluorotelomer sulfonate	27619-97-2	6:2-FTS
8:2 Fluorotelomer sulfonate	39108-34-4	8:2-FTS
N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NEtFOSAA
N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9	NMeFOSAA
Perfluorooctanesulfonic acid	1763-23-1	PFOS
Perfluorobutanesulfonic acid	375-73-5	PFBS
Perfluorobutanoic acid	375-22-4	PFBA
Perfluorodecanesulfonic acid	335-77-3	PFDS
Perfluorodecanoic acid	335-76-2	PFDA
Perfluorododecanoic acid	307-55-1	PFDoA
Perfluoroheptanesulfonic acid	375-92-8	PFHpS
Perfluoroheptanoic acid	375-85-9	PFHpA
Perfluorohexanesulfonoic acid	355-46-4	PFHxS
Perfluorohexanoic acid	307-24-4	PFHxA
Perfluorononane sulfonic acid	68259-12-1	PFNS
Perfluorononaoic acid	375-95-1	PFNA
Perfluorooctanoic acid	335-67-1	PFOA
Perfluoropentane sulfonic acid	2706-91-4	PFPeS
Perfluoropentanoic acid	2706-90-3	PFPeA
Perfluorotetradecanoic acid	376-06-7	PFTeDA
Perfluorotridecanoic acid	72629-94-8	PFTrDA
Perfluoroundecanoic acid	2058-94-8	PFUnA/PFUdA
N-methylperfluorooctanesulfonamide	31506-32-8	N-MeFOSA
Perfluorooctanesulfonamide	754-91-6	PFOSA

Sample Log-In Checklist

ENTHALPY ANALYTICAL

Work Order #: 2407241 TAT 5 d

Samples Arrival:	Date/Time: 07/26/24 11:11		Initials: IG		Location: WR-2 Shelf/Rack: PWA		
Delivered By:	FedEx	(UPS)	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	(Ice)		Blue Ice		Techni Ice	Dry Ice	None
Temp °C: 5.8 (uncorrected)	Probe used: Y / (N)		Thermometer ID: IR-4				
Temp °C: 5.8 (corrected)							

	YES	NO	NA
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?			✓
Airbill 1053 Trk # 1Z X46 599 01 9503 9784	✓		
Shipping Documentation Present?	✓		
Shipping Container: (Enthalpy) Client (Retain) Return Dispose			
Chain of Custody / Sample Documentation Present?	✓		
Chain of Custody / Sample Documentation Complete?	✓		
Holding Time Acceptable?	✓		

Logged In:	Date/Time: 07/26/24 12:07	Initials: IG	Location: R-13, WR-2 Shelf/Rack: A-1, E-2	
COC Anomaly/Sample Acceptance Form completed?			✓	

Comments:

Sample Log-In Checklist

ENTHALPY ANALYTICAL

Page # 2 of 3

Work Order #: 2407241 TAT 5+3

Samples Arrival:	Date/Time: 07/26/24 11:11	Initials:	Location: WR-2 Shelf/Rack: WR

Delivered By:	FedEx	UPS	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	(Ice)		Blue Ice		Techni Ice	Dry Ice	None

Temp °C: 3.3 (uncorrected)	Probe used: Y / (N)	Thermometer ID: IR-4
Temp °C: 3.3 (corrected)		

	YES	NO	NA
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?			✓
Airbill 2 of 3 Trk # 1Z X46 599 01 9625 2990	✓		
Shipping Documentation Present?	✓		

Shipping Container	(Enthalpy)	Client	(Retain)	Return	Dispose

	YES	NO	NA
Chain of Custody / Sample Documentation Present?	✓		
Chain of Custody / Sample Documentation Complete?	✓		
Holding Time Acceptable?	✓		

Logged In:	Date/Time: 07/26/24 12:07	Initials:	Location: R-13, WR-2 Shelf/Rack: A-1, E-2

	YES	NO	NA
COC Anomaly/Sample Acceptance Form completed?	✓		

Comments:

Sample Log-In Checklist

ENTHALPY ANALYTICAL

Work Order #: 2407241 TAT 5d2

Samples Arrival:	**Date/Time** 07/26/24 11:11		**Initials:** KR		**Location:** WR-2 **Shelf/Rack:** WR		
Delivered By:	FedEx	(UPS)	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	(Ice)		Blue Ice		Techni Ice	Dry Ice	None
Temp °C: 4.5 (uncorrected) **Temp °C:** 4.5 (corrected)	**Probe used:** Y / (N)				**Thermometer ID:** IR-4		

	YES	NO	NA
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?			✓
Airbill 1 of 1 — Trk # 12 X96 598 01 9515 9601	✓		
Shipping Documentation Present?	✓		
Shipping Container: (Enthalpy) / Client; (Retain) / Return / Dispose			
Chain of Custody / Sample Documentation Present?	✓		
Chain of Custody / Sample Documentation Complete?	✓		
Holding Time Acceptable?	✓		

Logged In:	**Date/Time** 07/26/24 12:07	**Initials:** KR	**Location:** R-11, WR-2 **Shelf/Rack:** A-1, E-2
COC Anomaly/Sample Acceptance Form completed?	✓		

Comments:

CoC/Label Reconciliation Report WO# 2407241

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2407241-01	A B-103S_20240723	282537	23-Jul-24 16:10	Polypropylene, 250mL	Aqueous	
2407241-01	B B-103S_20240723	282537	23-Jul-24 16:10	Polypropylene, 250mL	Aqueous	
2407241-02	A B-103D_20240723	282537	23-Jul-24 16:25	Polypropylene, 250mL	Aqueous	
2407241-02	B B-103D_20240723	282537	23-Jul-24 16:25	Polypropylene, 250mL	Aqueous	
2407241-03	A B-304UR_20240722	282537	22-Jul-24 13:45	Polypropylene, 250mL	Aqueous	
2407241-03	B B-304UR_20240722	282537	22-Jul-24 13:45	Polypropylene, 250mL	Aqueous	
2407241-04	A B-304DR_20240722	282537	22-Jul-24 14:05	Polypropylene, 250mL	Aqueous	
2407241-04	B B-304DR_20240722	282537	22-Jul-24 14:05	Polypropylene, 250mL	Aqueous	
2407241-05	A MW-604_20240722	282537	22-Jul-24 09:07	Polypropylene, 250mL	Aqueous	
2407241-05	B MW-604_20240722	282537	22-Jul-24 09:07	Polypropylene, 250mL	Aqueous	
2407241-06	A MW-701_20240723	282537	23-Jul-24 10:15	Polypropylene, 250mL	Aqueous	
2407241-06	B MW-701_20240723	282537	23-Jul-24 10:15	Polypropylene, 250mL	Aqueous	
2407241-07	A MW-802_20240723	282537	23-Jul-24 15:38	Polypropylene, 250mL	Aqueous	
2407241-07	B MW-802_20240723	282537	23-Jul-24 15:38	Polypropylene, 250mL	Aqueous	
2407241-08	A MW-803_20240723	282537	23-Jul-24 15:34	Polypropylene, 250mL	Aqueous	
2407241-08	B MW-803_20240723	282537	23-Jul-24 15:34	Polypropylene, 250mL	Aqueous	
2407241-09	A B-915U_20240723	282537	23-Jul-24 10:45	Polypropylene, 250mL	Aqueous	
2407241-09	B B-915U_20240723	282537	23-Jul-24 10:45	Polypropylene, 250mL	Aqueous	
2407241-10	A B-915M_20240723	282537	23-Jul-24 11:22	Polypropylene, 250mL	Aqueous	
2407241-10	B B-915M_20240723	282537	23-Jul-24 11:22	Polypropylene, 250mL	Aqueous	
2407241-11	A B-916U_20240723	282537	23-Jul-24 09:08	Polypropylene, 250mL	Aqueous	
2407241-11	B B-916U_20240723	282537	23-Jul-24 09:08	Polypropylene, 250mL	Aqueous	
2407241-12	A B-916M_20240723	282537	23-Jul-24 09:20	Polypropylene, 250mL	Aqueous	
2407241-12	B B-916M_20240723	282537	23-Jul-24 09:20	Polypropylene, 250mL	Aqueous	
2407241-13	A B-917U_20240722	282537	22-Jul-24 16:45	Polypropylene, 250mL	Aqueous	
2407241-13	B B-917U_20240722	282537	22-Jul-24 16:45	Polypropylene, 250mL	Aqueous	
2407241-14	A B-909_20240722	282537	22-Jul-24 17:30	Polypropylene, 250mL	Aqueous	
2407241-14	B B-909_20240722	282537	22-Jul-24 17:30	Polypropylene, 250mL	Aqueous	

2407241-15	A B-918U_20240722	☐	282537	22-Jul-24 15:45	☑	Polypropylene, 250mL	Aqueous
2407241-15	B B-918U_20240722	☐	282537	22-Jul-24 15:45	☑	Polypropylene, 250mL	Aqueous
2407241-16	A B-918M_20240722	☐	282537	22-Jul-24 15:43	☑	Polypropylene, 250mL	Aqueous
2407241-16	B B-918M_20240722	☐	282537	22-Jul-24 15:43	☑	Polypropylene, 250mL	Aqueous
2407241-17	A DUP-3_20240722	☐	282537	22-Jul-24 15:43	☑	Polypropylene, 250mL	Aqueous
2407241-17	B DUP-3_20240722	☐	282537	22-Jul-24 15:43	☑	Polypropylene, 250mL	Aqueous
2407241-18	A B-919U_20240722	☐	282537	22-Jul-24 11:50	☑	Polypropylene, 250mL	Aqueous
2407241-18	B B-919U_20240722	☐	282537	22-Jul-24 11:50	☑	Polypropylene, 250mL	Aqueous
2407241-19	A B-919M_20240722	☐	282537	22-Jul-24 14:45	☑	Polypropylene, 250mL	Aqueous
2407241-19	B B-919M_20240722	☐	282537	22-Jul-24 14:45	☑	Polypropylene, 250mL	Aqueous
2407241-20	A B-923U_20240723	☐	282537	23-Jul-24 12:00	☑	Polypropylene, 250mL	Aqueous
2407241-20	B B-923U_20240723	☐	282537	23-Jul-24 12:00	☑	Polypropylene, 250mL	Aqueous
2407241-21	A B-926U_20240723	☐	282537	23-Jul-24 09:50	☑	Polypropylene, 250mL	Aqueous
2407241-21	B B-926U_20240723	☐	282537	23-Jul-24 09:50	☑	Polypropylene, 250mL	Aqueous
2407241-22	A B-926L_20240723	☐	282537	23-Jul-24 09:53	☑	Polypropylene, 250mL	Aqueous
2407241-22	B B-926L_20240723	☐	282537	23-Jul-24 09:53	☑	Polypropylene, 250mL	Aqueous
2407241-23	A B-927U_20240722	☐	282537	22-Jul-24 12:50	☑	Polypropylene, 250mL	Aqueous
2407241-23	B B-927U_20240722	☐	282537	22-Jul-24 12:50	☑	Polypropylene, 250mL	Aqueous
2407241-24	A B-927M_20240722	☐	282537	22-Jul-24 12:39	☑	Polypropylene, 250mL	Aqueous
2407241-24	B B-927M_20240722	☐	282537	22-Jul-24 12:39	☑	Polypropylene, 250mL	Aqueous
2407241-25	A B-928U_20240722	☐	282537	22-Jul-24 14:40	☑	Polypropylene, 250mL	Aqueous
2407241-25	B B-928U_20240722	☐	282537	22-Jul-24 14:40	☑	Polypropylene, 250mL	Aqueous
2407241-26	A B-928D_20240722	☐	282537	22-Jul-24 14:44	☑	Polypropylene, 250mL	Aqueous
2407241-26	B B-928D_20240722	☐	282537	22-Jul-24 14:44	☑	Polypropylene, 250mL	Aqueous
2407241-27	A B-929U_20240723	☐	282537	23-Jul-24 13:59	☑	Polypropylene, 250mL	Aqueous
2407241-27	B B-929U_20240723	☐	282537	23-Jul-24 13:59	☑	Polypropylene, 250mL	Aqueous
2407241-28	A B-930U_20240723	☐	282537	23-Jul-22 14:21	☐	Polypropylene, 250mL	Aqueous
2407241-28	B B-930U_20240723	☐	282537	23-Jul-22 14:21	☐	Polypropylene, 250mL	Aqueous
2407241-29	A B-931U_20240723	☐	282537	23-Jul-24 14:55	☑	Polypropylene, 250mL	Aqueous
2407241-29	B B-931U_20240723	☐	282537	23-Jul-24 14:55	☑	Polypropylene, 250mL	Aqueous
2407241-30	A FB-PFAS-01_20240723	☐	282537	23-Jul-24 16:30	☑	Polypropylene, 250mL	Aqueous

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		

Preservation Documented: Na2S2O3 / Trizma (A) T12 (D) T11 (G) T8 / NH4CH3CO2 / None / Other

Verifed by/Date: KA 07/29/24
JT 07/29/24

Comments:

(D) Trizma lot # not legible

(E) Underlined part missing on sample label.

(F) Sample label time 14:20

(G) Contains light rusty tint and ~ 35% particulate

(H) ~ 10 % particulate

(I) ~ 20 % particulate

(J) ~ 5 % particulate

(K) Contain particulate

(L) Contain rusty tint.

(M) ~ 30 % particulate

(N) No back up volume

C1 = Cooler #1

C2 = Cooler #2

C3 = Cooler #3

ENTHALPY ANALYTICAL

ANOMALY FORM

Work Order # 2407241

Initial/Date		The following checked issues were noted during sample receipt and login:
_____	☐	**1. The samples were received out of temperature at (WI-PHT):** _____ Was Ice present: Yes No Melted Blue Ice
_____	☐	2. The Chain-of-Custody (CoC) was not relinquished properly.
_____	☐	3. The CoC did not include collection time(s). 00:00 will be used unless notified otherwise.
_____	☐	4. The sample(s) did not include a sample collection time. All or Sample Name: _____
VA07/29/24	☑	5. A sample ID discrepancy was found. See the Reconciliation report. The CoC Sample ID will be used unless notified otherwise.
_____	☐	6. A sample date and/or time discrepancy was found. See the Reconciliation report. The CoC Sample date/time will be used unless notified otherwise.
_____	☐	**7. The CoC did not include a sample matrix. The following sample matrix will be used:** _____
_____	☐	**8. Insufficent volume received for analysis. All or Sample Name:** _____
_____	☐	9. The backup bottle was received broken. Sample Name: _____
_____	☐	**10. CoC not received, illegible or destroyed.**
_____	☐	**11. The sample(s) were received out of holding time. All or Sample Name:** _____
_____	☐	**12. The CoC did not include an analysis. All or Sample Name:** _____
_____	☐	**13. Sample(s) received without collection date. All or Sample Name:** _____
_____	☐	**14. Sample(s) not received. All or Sample Name:** _____
_____	☐	**15. Sample(s) received broken. All or Sample Name:** _____
_____	☐	**16. An incorrect container-type was used. All or Sample Name:** _____
VA07/29/24	☑	17. The Field Reagent Blank (FRB) preservative was from a different lot than the field samples. Will proceed with analysis and narrate unless notified otherwise.
_____	☐	18. Other:

Bolded items require sign-off

Client Contacted: _____

Date of Contact: _____

Lab Project Manager: _____

Resolution:

Chain-of-Custody Record

282537

Sample ID	Sampling Date/Time *If Composite, Indicate Both Start & Finish Date/Time	Matrix (see below)	Grab/*Composite	Analyses Requested: PFAS- 537 Mod with isotope dilution - DoD 25 Compound List	Field Turbidity (NTU)	# of Containers	NOTES MeOH Vial #
B-103S_20240723	7/23/24 1610	GW	G	X		2	
B-103D_20240723	↓ ~~1620~~ 1625	GW	G	X		2	
B-304UR_20240722	7/22/24 1345	GW	G	X		2	
B-304DR_20240722	↓ 1405	GW	G	X		2	
MW-604_20240722	↓ 0907	GW	G	X		2	
MW-701_20240723	7/23/24 1015	GW	G	X		2	
MW-802_20240723	↓ 1538	GW	G	X		2	
MW-803_20240723	↓ 1534	GW	G	X		2	
B-915U_20240723	↓ 1045	GW	G	X		2	
B-915M_20240723	↓ 1122	GW	G	X		2	
Matrix: A-Air; S-Soil; GW-Ground Water; SW-Surface Water; DW-Drining Water; WW-Waste Water; AQ-Aqueous; L-Leachate Preservative: H-HCl; N-HNO3; S-H2SO4; Na-NaOH; M-MeOH; NSO-Na2S2O3				ICE			

Project Manager: M. Estabrooks / T. White
Company: Sanborn, Head & Associates, Inc.
Address: 6 Bedford Farms Drive, Suite 201
City: Bedford State: NH Zip: 03110
Phone 603-229-1900 Ext.:
Fax: 603-229-1919
E-Mail: mestabrooks.sanbornhead.com
Site Name: NCES | PFAS
Project # 2637.11
State: NH

Regulatory Program: NPDES: RGP POTW Stormwater or GWP, Oil Fund, Brownfield or Other:

Quote #: PO#:

Date Needed:

QA/QC
Reporting Level
A **B** C
or
Presumptive Certainty

Reporting Options
Prelims: Yes or No
If Yes: Fax or PDF

Electonic Options
No Fax | E-Mail | PDF | Equis

Temp. 1.4 °C

Metals: **Samples Field Filtered:**
A:
B:
C:

Notes: (i.e., Special Detection Limits, Billing Info, If Diff

Bill NCES.
Sub Enthalpy
1)Centrifuge samples if needed
2) Please Report Sulfonic Acids
3) PFAS by 537 Mod with isotope dilution (Compound List Attached)
4) Report to RL (no J-flags)

Sampler(s): MTS, PJP, GAD

	Date:	Time:	Received By:
Relinquished By:	7/23/24	1849	
Relinquished By:	7/24/24	0846	
Relinquished By:			

Suspected Contamination:
Field Readings:

Eastern Analytical, Inc.
services

51 Antrim Ave | Concord, NH 03301 | Tel: 603.228.0525 | 1.800.287.0525 | Fax: 603.228.4591 | E-Mail: customerservice@eailabs.com | www.eailabs.com

Chain-of-Custody Record

282537

Page 2 of 3

Sample ID	Sampling Date/Time *If Composite, Indicate Both Start & Finish Date/Time	Matrix (see below)	Grab/*Composite	Analyses Requested: PFAS- 537 Mod with isotope dilution - DoD 25 Compound List	Field Turbidity (NTU)	# of Containers	NOTES MeOH Vial #
B-916U_20240723	7/23/24 0908	GW	G	X		2	
B-916M_20240723	↓ 0920	GW	G	X		2	
B-917U_20240722	7/22/24 1645	GW	G	X		2	
B-909_20240722	1730	GW	G	X		2	
B-918U_20240722	1545	GW	G	X		2	
B-918M_20240722	1543	GW	G	X		2	
DUP-3_20240722	1543	GW	G	X		2	
B-919U_20240722	1150	GW	G	X		2	
B-919M_20240722	↓ 1445	GW	G	X		2	
B-923U_20240723	7/23/24 1200	GW	G	X		2	
Matrix: A-Air; S-Soil; GW-Ground Water; SW-Surface Water; DW-Drining Water; WW-Waste Water; AQ-Aqueous; L-Leachate Preservative: H-HCl; N-HNO3; S-H2SO4; Na-NaOH; M-MeOH; NSO-Na2S2O3				ICE			

Project Manager: M. Estabrooks / T. White

Company: Sanborn, Head & Associates, Inc.

Address: 6 Bedford Farms Drive, Suite 201

City: Bedford State: NH Zip: 03110

Phone 603-229-1900 Ext.:

Fax: 603-229-1919

E-Mail: mestabrooks.sanbornhead.com

Site Name: NCES | PFAS

Project # 2637.11

State: NH

Regulatory Program: NPDES: RGP POTW Stormwater or GWP, Oil Fund, Brownfield or Other:

Quote #: PO#:

Date Needed:

QA/QC

Reporting Level

A **B** C

or

Presumptive Certainty

Reporting Options

Prelims: Yes or No

If Yes: Fax or PDF

Electonic Options

No Fax | E-Mail | PDF | Equis

Temp. 1.9 °C

Metals: **Samples Field Filtered:**

A:

B:

C:

Notes: (i.e., Special Detection Limits, Billing Info, If Diff

Bill NCES.
Sub Enthalpy
1)Centrifuge samples if needed
2) Please Report Sulfonic Acids
3) PFAS by 537 Mod with isotope dilution (Compound List Attached)
4) Report to RL (no J-flags)

Sampler(s): MTS, PJP, GAD

Relinquished By:	Date:	Time:	Received By:
[signature]	7/23/24	1049	
[signature]	7/24/24	0846	[signature]

Suspected Contamination:

Field Readings:

Eastern Analytical, Inc.
Environmental Services
51 Antrim Ave | Concord, NH 03301 | Tel: 603.228.0525 | 1.800.287.0525 | Fax: 603.228.4591 | E-Mail: customerservice@eailabs.com | www.eailabs.com

Chain-of-Custody Record

For 282537

Page 3 of 3

Sample ID	Sampling Date/Time *If Composite, Indicate Both Start & Finish Date/Time	Matrix (see below)	Grab/*Composite	Analyses Requested: PFAS- 537 Mod with isotope dilution - DoD 25 Compound List	Field Turbidity (NTU)	# of Containers	NOTES MeOH Vial #
B-926U_20240723	7/23/24 0950	GW	G	X		2	
B-926L_20240723	↓ 0953	GW	G	X		2	
B-927U_20240722	7/22/24 1250	GW	G	X		2	
B-927M_20240722	↓ 1239	GW	G	X		2	
B-928U_20240722	↓ 1440	GW	G	X		2	
B-928D_20240722	↓ 1444	GW	G	X		2	
B-929U_20240723	7/23/24 1359	GW	G	X		2	
B-930U_20240723	↓ 1421 ~~1348~~ [P3]	GW	G	X		2	
B-931U_20240723	↓ 1455	GW	G	X		2	
FB-PFAS-01_20240723	↓ 1630	AQ	-	X		2	
Matrix: A-Air; S-Soil; GW-Ground Water; SW-Surface Water; DW-Drining Water; WW-Waste Water; AQ-Aqueous; L-Leachate Preservative: H-HCl; N-HNO3; S-H2SO4; Na-NaOH; M-MeOH; NSO-Na2S2O3				ICE			

Project Manager: M. Estabrooks / T. White
Company: Sanborn, Head & Associates, Inc.
Address: 6 Bedford Farms Drive, Suite 201
City: Bedford State: NH Zip: 03110
Phone 603-229-1900 Ext.:
Fax: 603-229-1919
E-Mail: mestabrooks.sanbornhead.com
Site Name: NCES | PFAS
Project # 2637.11
State: NH

Regulatory Program: NPDES: RGP POTW Stormwater or GWP, Oil Fund, Brownfield or Other:

Quote #: PO#:

Date Needed:

QA/QC
Reporting Level
A **B** C
or
Presumptive Certainty

Reporting Options
Prelims: Yes or No
If Yes: Fax or PDF

Electonic Options
No Fax | E-Mail | PDF | Equis

Temp 1-4 °C

Metals: **Samples Field Filtered:**
A:
B:
C:

Notes: (i.e., Special Detection Limits, Billing Info, If Diff

Bill NCES.
Sub Enthalpy
1)Centrifuge samples if needed
2) Please Report Sulfonic Acids
3) PFAS by 537 Mod with isotope dilution (Compound List Attached)
4) Report to RL (no J-flags)

Sampler(s): MTS, PJP, GAD

Relinquished By:	Date:	Time:	Received By:
[signature]	7/23/24	1849	
[signature]	7/24/24	0846	[signature]

Suspected Contamination:
Field Readings:

Eastern Analytical, Inc. Services
51 Antrim Ave | Concord, NH 03301 | Tel: 603.228.0525 | 1.800.287.0525 | Fax: 603.228.4591 | E-Mail: customerservice@eailabs.com | www.eailabs.com

Eastern Analytical, Inc.
professional laboratory and drilling services

Matt Estabrooks
Sanborn, Head & Associates, Inc. (NH)
6 Bedford Farms Drive, Suite 201
Bedford , NH 03110

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 282540
Client Identification: NCES | PFAS GW SSI | 2637.11
Date Received: 7/24/2024

Dear Mr. Estabrooks :

Enclosed please find the report of analysis for the above identified project. As discussed, analyses were subcontracted and are listed as follows:

Analysis:	Subcontract - PFAS EPA Method 537mod
Subcontractor Lab:	Enthalpy Analytical

A complete copy of the report is attached. This report may not be reproduced except in full, without the written approval of the laboratory.

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

Sincerely,

Lorraine Olashaw, Lab Director — 8.9.24 Date

SAMPLE CONDITIONS PAGE

EAI ID#: **282540**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | PFAS GW SSI | 2637.11**

Temperature upon receipt (°C): 1.4 **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)
282540.01	B-932U_20240722	7/24/24	7/22/24	10:30	aqueous		Adheres to Sample Acceptance Policy
282540.02	B-932L_20240722	7/24/24	7/22/24	10:19	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.*

August 07, 2024

Enthalpy Analytical - El Dorado Hills
Work Order No. 2407240

Ms. Alison Blay
Eastern Analytical, Inc.
51 Antrim Avenue
Concord, NH 03301

Dear Ms. Blay,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on July 26, 2024 under your Project Name '282540 NH 2920'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at rajwinder.kaur@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

Rajwinder Kaur
Project Manager

Enthalpy Analytical - EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical - EDH .

Enthalpy Analytical - EDH Work Order No. 2407240
Case Narrative

Sample Condition on Receipt:

Two aqueous samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements. Sample ID discrepancies were noted for the samples between the container labels and the Chain-of-Custody (CoC). The sample IDs have been reported as listed on the CoC.

Analytical Notes:

PFAS Isotope Dilution/LC-MSMS Method Compliant with Table B-15 of DoD QSM 5.4 (Aqueous)

Samples "B-932U_20240722" and "B-932L_20240722" contained particulate and were centrifuged prior to extraction.

The samples were extracted and analyzed for a selected list of PFAS using Isotope Dilution and LC-MS/MS compliant with Table B-15 of DoD QSM 5.4. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 the Reporting Limits (RL). The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are flagged with an "H" qualifier. The responses of the internal standards with low recoveries were greater than 10:1 signal-to-noise, which is the limit generally considered acceptable for accurate quantitation by isotope dilution analysis.

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ENTHALPY ANALYTICAL

Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2407240-01	B-932U_20240722	22-Jul-24 10:30	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL
2407240-02	B-932L_20240722	22-Jul-24 10:19	26-Jul-24 11:11	Polypropylene, 250mL
				Polypropylene, 250mL

ANALYTICAL RESULTS

ENTHALPY ANALYTICAL

Sample ID: Method Blank — **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	B24G251-BLK1	Column:	BEH C18
Project:	282540 NH 2920						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFPeA	2706-90-3	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFBS	375-73-5	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
4:2 FTS	757124-72-4	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFHxA	307-24-4	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFPeS	2706-91-4	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFHpA	375-85-9	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFHxS	355-46-4	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
6:2 FTS	27619-97-2	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFOA	335-67-1	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFHpS	375-92-8	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFNA	375-95-1	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFOSA	754-91-6	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFOS	1763-23-1	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFDA	335-76-2	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
8:2 FTS	39108-34-4	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFNS	68259-12-1	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
MeFOSAA	2355-31-9	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
EtFOSAA	2991-50-6	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFUnA	2058-94-8	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFDS	335-77-3	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFDoA	307-55-1	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
MeFOSA	31506-32-8	ND	4.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFTrDA	72629-94-8	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
PFTeDA	376-06-7	ND	2.00		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	82.2	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C3-PFPeA	IS	80.2	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C3-PFBS	IS	85.1	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C2-4:2 FTS	IS	83.8	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C2-PFHxA	IS	82.1	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C4-PFHpA	IS	78.3	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C3-PFHxS	IS	79.4	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C2-6:2 FTS	IS	64.3	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C2-PFOA	IS	74.9	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C5-PFNA	IS	75.0	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C8-PFOSA	IS	38.9	50 - 150	H	B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C8-PFOS	IS	84.3	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1

ENTHALPY ANALYTICAL

Sample ID: Method Blank — **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	B24G251-BLK1	Column:	BEH C18
Project:	282540 NH 2920						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	74.3	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C2-8:2 FTS	IS	74.4	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
d3-MeFOSAA	IS	60.9	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
d5-EtFOSAA	IS	61.3	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C2-PFUnA	IS	68.3	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C2-PFDoA	IS	52.2	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
d3-MeFOSA	IS	19.5	50 - 150	H	B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1
13C2-PFTeDA	IS	29.1	50 - 150	H	B24G251	31-Jul-24	0.250 L	01-Aug-24 21:10	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: OPR — **PFAS Isotope Dilution Table B-15**

Client Data

Name: Eastern Analytical, Inc. Matrix: Aqueous
Project: 282540 NH 2920

Laboratory Data

Lab Sample: B24G251-BS1 Column: BEH C18

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	37.6	40.0	94.1	73 - 129		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFPeA	2706-90-3	37.7	40.0	94.3	72 - 129		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFBS	375-73-5	38.4	40.0	96.1	72 - 130		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
4:2 FTS	757124-72-4	40.2	40.0	100	63 - 143		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFHxA	307-24-4	39.2	40.0	97.9	72 - 129		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFPeS	2706-91-4	41.1	40.0	103	71 - 127		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFHpA	375-85-9	41.5	40.0	104	72 - 130		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFHxS	355-46-4	32.3	40.0	80.8	68 - 131		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
6:2 FTS	27619-97-2	43.2	40.0	108	64 - 140		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFOA	335-67-1	36.8	40.0	91.9	71 - 133		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFHpS	375-92-8	42.3	40.0	106	69 - 134		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFNA	375-95-1	34.0	40.0	85.0	69 - 130		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFOSA	754-91-6	43.7	40.0	109	67 - 137		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFOS	1763-23-1	40.6	40.0	102	65 - 140		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFDA	335-76-2	42.0	40.0	105	71 - 129		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
8:2 FTS	39108-34-4	45.4	40.0	114	67 - 138		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFNS	68259-12-1	42.2	40.0	106	69 - 127		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
MeFOSAA	2355-31-9	42.1	40.0	105	65 - 136		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
EtFOSAA	2991-50-6	37.0	40.0	92.6	61 - 135		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFUnA	2058-94-8	38.4	40.0	96.0	69 - 133		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFDS	335-77-3	47.3	40.0	118	53 - 142		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFDoA	307-55-1	38.1	40.0	95.4	72 - 134		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
MeFOSA	31506-32-8	41.1	40.0	103	68 - 141		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFTrDA	72629-94-8	34.6	40.0	86.6	65 - 144		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
PFTeDA	376-06-7	37.5	40.0	93.8	71 - 132		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	81.5	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C3-PFPeA	IS	82.8	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C3-PFBS	IS	76.7	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C2-4:2 FTS	IS	79.4	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C2-PFHxA	IS	80.8	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C4-PFHpA	IS	73.8	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C3-PFHxS	IS	86.8	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C2-6:2 FTS	IS	65.2	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C2-PFOA	IS	77.8	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1

ENTHALPY ANALYTICAL

Sample ID: OPR **PFAS Isotope Dilution Table B-15**

Client Data

Name: Eastern Analytical, Inc.
Project: 282540 NH 2920
Matrix: Aqueous

Laboratory Data

Lab Sample: B24G251-BS1
Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C5-PFNA	IS	84.0	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C8-PFOSA	IS	37.9	50 - 150	H	B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C8-PFOS	IS	75.4	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C2-PFDA	IS	74.4	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C2-8:2 FTS	IS	65.2	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
d3-MeFOSAA	IS	68.5	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
d5-EtFOSAA	IS	68.1	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C2-PFUnA	IS	78.0	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C2-PFDoA	IS	66.7	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
d3-MeFOSA	IS	22.9	50 - 150	H	B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1
13C2-PFTeDA	IS	55.4	50 - 150		B24G251	31-Jul-24	0.250 L	01-Aug-24 21:20	1

ENTHALPY ANALYTICAL

Sample ID: B-932U_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407240-01	Column:	BEH C18
Project:	282540 NH 2920	Date Collected:	22-Jul-24 10:30	Date Received:	26-Jul-24 11:11		
Location:	282540						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
PFPeA	2706-90-3	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
PFBS	375-73-5	2.98	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
4:2 FTS	757124-72-4	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
PFHxA	307-24-4	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
PFPeS	2706-91-4	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
PFHpA	375-85-9	2.27	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
PFHxS	355-46-4	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
6:2 FTS	27619-97-2	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
PFOA	335-67-1	5.30	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
PFHpS	375-92-8	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
PFNA	375-95-1	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
PFOSA	754-91-6	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
PFOS	1763-23-1	2.30	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
PFDA	335-76-2	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
8:2 FTS	39108-34-4	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
PFNS	68259-12-1	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
MeFOSAA	2355-31-9	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
EtFOSAA	2991-50-6	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
PFUnA	2058-94-8	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
PFDS	335-77-3	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
PFDoA	307-55-1	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
MeFOSA	31506-32-8	ND	3.98		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
PFTrDA	72629-94-8	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
PFTeDA	376-06-7	ND	1.99		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	81.9	50 - 150		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
13C3-PFPeA	IS	84.3	50 - 150		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
13C3-PFBS	IS	78.2	50 - 150		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
13C2-4:2 FTS	IS	76.8	50 - 150		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
13C2-PFHxA	IS	83.9	50 - 150		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
13C4-PFHpA	IS	82.0	50 - 150		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
13C3-PFHxS	IS	77.4	50 - 150		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
13C2-6:2 FTS	IS	69.4	50 - 150		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
13C2-PFOA	IS	79.4	50 - 150		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
13C5-PFNA	IS	79.5	50 - 150		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
13C8-PFOSA	IS	52.1	50 - 150		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1

ENTHALPY ANALYTICAL

Sample ID: B-932U_20240722 **PFAS Isotope Dilution Table B-15**

Client Data

Name:	Eastern Analytical, Inc.	Matrix:	Aqueous
Project:	282540 NH 2920	Date Collected:	22-Jul-24 10:30
Location:	282540		

Laboratory Data

Lab Sample:	2407240-01	Column:	BEH C18
Date Received:	26-Jul-24 11:11		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	81.7	50 - 150		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
13C2-PFDA	IS	70.1	50 - 150		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
13C2-8:2 FTS	IS	70.7	50 - 150		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
d3-MeFOSAA	IS	71.6	50 - 150		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
d5-EtFOSAA	IS	70.6	50 - 150		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
13C2-PFUnA	IS	68.5	50 - 150		B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
13C2-PFDoA	IS	49.7	50 - 150	H	B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
d3-MeFOSA	IS	22.3	50 - 150	H	B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1
13C2-PFTeDA	IS	20.5	50 - 150	H	B24G251	31-Jul-24	0.251 L	01-Aug-24 22:43	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

ENTHALPY ANALYTICAL

Sample ID: B-932L_20240722 **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407240-02	Column:	BEH C18
Project:	282540 NH 2920	Date Collected:	22-Jul-24 10:19	Date Received:	26-Jul-24 11:11		
Location:	282540						

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
PFPeA	2706-90-3	1.98	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
PFBS	375-73-5	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
4:2 FTS	757124-72-4	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
PFHxA	307-24-4	2.46	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
PFPeS	2706-91-4	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
PFHpA	375-85-9	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
PFHxS	355-46-4	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
6:2 FTS	27619-97-2	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
PFOA	335-67-1	2.48	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
PFHpS	375-92-8	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
PFNA	375-95-1	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
PFOSA	754-91-6	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
PFOS	1763-23-1	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
PFDA	335-76-2	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
8:2 FTS	39108-34-4	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
PFNS	68259-12-1	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
MeFOSAA	2355-31-9	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
EtFOSAA	2991-50-6	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
PFUnA	2058-94-8	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
PFDS	335-77-3	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
PFDoA	307-55-1	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
MeFOSA	31506-32-8	ND	3.91		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
PFTrDA	72629-94-8	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
PFTeDA	376-06-7	ND	1.95		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	86.1	50 - 150		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
13C3-PFPeA	IS	87.4	50 - 150		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
13C3-PFBS	IS	90.4	50 - 150		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
13C2-4:2 FTS	IS	83.8	50 - 150		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
13C2-PFHxA	IS	87.9	50 - 150		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
13C4-PFHpA	IS	84.7	50 - 150		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
13C3-PFHxS	IS	80.3	50 - 150		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
13C2-6:2 FTS	IS	76.7	50 - 150		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
13C2-PFOA	IS	82.8	50 - 150		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
13C5-PFNA	IS	88.3	50 - 150		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
13C8-PFOSA	IS	57.2	50 - 150		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1

ENTHALPY ANALYTICAL

Sample ID: B-932L_20240722 — **PFAS Isotope Dilution Table B-15**

Client Data				Laboratory Data			
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2407240-02	Column:	BEH C18
Project:	282540 NH 2920	Date Collected:	22-Jul-24 10:19	Date Received:	26-Jul-24 11:11		
Location:	282540						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	87.9	50 - 150		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
13C2-PFDA	IS	81.0	50 - 150		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
13C2-8:2 FTS	IS	80.9	50 - 150		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
d3-MeFOSAA	IS	79.3	50 - 150		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
d5-EtFOSAA	IS	74.7	50 - 150		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
13C2-PFUnA	IS	79.9	50 - 150		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
13C2-PFDoA	IS	66.3	50 - 150		B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
d3-MeFOSA	IS	23.8	50 - 150	H	B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1
13C2-PFTeDA	IS	39.9	50 - 150	H	B24G251	31-Jul-24	0.256 L	01-Aug-24 22:54	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Enthalpy Analytical - EDH Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
Nevada Division of Environmental Protection	CA00413
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.

CHAIN-OF-CUSTODY RECORD

Eastern Analytical, Inc.
professional laboratory and drilling services

EAI ID# **282540** Page 1

Sample ID	Date Sampled	Matrix	aParameters 2407240 5°C	Sample Notes
B-932U_20240722	7/22/2024 10:30	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	
B-932L_20240722	7/22/2024 10:19	aqueous	Subcontract - Perfluorinated Compounds EPA Method 537 modified	

EAI ID# **282540** Project State: NH

Project ID: 2920

Company Vista Analytical Laboratory
Address 1104 Windfield Way
Address El Dorado Hills, CA 95762
Account #
Phone # (916) 673-1520

Results Needed: Preferred Date: Standard
RUSH Due Date: _____

QC Deliverables
☐ A ☐ A+ ☒ B ☐ B+ ☐ C ☐ MA MCP

Notes about project:
Email login confirmation, pdf of results and invoice to customerservice@easternanalytical.com.

1) Centrifuge samples if needed
2) Please Report Sulfonic Acids
3) PFAS by Method 537 Mod with isotope dilution (Compound List attached))
4) Report to RL (no J-flags)

PO #: US0543807228 EAI ID# **282540**

Data Deliverable (circle)
Excel NH EMD EQuIS ME EGA

Call prior to analyzing, if RUSH charges will be applied.

Samples Collected by: _____

Relinquished by	Date/Time	Received by
[signature]	7/25/24 1600 UPS	
UPS	07/26/24 11:11	[signature]
Relinquished by	Date/Time	Received by

Eastern Analytical, Inc. 51 Antrim Ave Concord, NH 03301 Phone: (603)228-0525 1-800-287-0525 customerservice@easternanalytical.com

As a subcontract lab to EAI, you will defend, indemnify and hold Eastern Analytical, Inc., its officers, employees, and agents harmless from and against any and all liability, loss, expense or claims for injury or damage arising out of the performance against this chain of custody but only in proportion to and to the extent such liability, loss, expense, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of you as a subcontract lab, your officers, agents or employees

2407240 CAI # 282540

PFAS DoD 25 Compounds

Analyte Name	CAS #	Analyte
4:2 Fluorotelomer sulfonate	757124-72-4	4:2-FTS
6:2 Fluorotelomer sulfonate	27619-97-2	6:2-FTS
8:2 Fluorotelomer sulfonate	39108-34-4	8:2-FTS
N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NEtFOSAA
N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9	NMeFOSAA
Perfluorooctanesulfonic acid	1763-23-1	PFOS
Perfluorobutanesulfonic acid	375-73-5	PFBS
Perfluorobutanoic acid	375-22-4	PFBA
Perfluorodecanesulfonic acid	335-77-3	PFDS
Perfluorodecanoic acid	335-76-2	PFDA
Perfluorododecanoic acid	307-55-1	PFDoA
Perfluoroheptanesulfonic acid	375-92-8	PFHpS
Perfluoroheptanoic acid	375-85-9	PFHpA
Perfluorohexanesulfonoic acid	355-46-4	PFHxS
Perfluorohexanoic acid	307-24-4	PFHxA
Perfluorononane sulfonic acid	68259-12-1	PFNS
Perfluorononaoic acid	375-95-1	PFNA
Perfluorooctanoic acid	335-67-1	PFOA
Perfluoropentane sulfonic acid	2706-91-4	PFPeS
Perfluoropentanoic acid	2706-90-3	PFPeA
Perfluorotetradecanoic acid	376-06-7	PFTeDA
Perfluorotridecanoic acid	72629-94-8	PFTrDA
Perfluoroundecanoic acid	2058-94-8	PFUnA/PFUdA
N-methylperfluorooctanesulfonamide	31506-32-8	N-MeFOSA
Perfluorooctanesulfonamide	754-91-6	PFOSA

Sample Log-In Checklist

ENTHALPY ANALYTICAL

Page # 1 of ____

Work Order #: 2407240 TAT Std

Samples Arrival:	Date/Time: 07/26/24 11:11		Initials: KM		Location: WR-2 Shelf/Rack: Rm		
Delivered By:	FedEx	(UPS)	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	(Ice)		Blue Ice		Techni Ice	Dry Ice	None
Temp °C: 5.8 (uncorrected)	Probe used: Y / (N)		Thermometer ID: IR-4				
Temp °C: 5.8 (corrected)							

	YES	NO	NA
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?			✓
Airbill 1 of 1 Trk # 12 X46 599 01 9501 9384	✓		
Shipping Documentation Present?	✓		
Shipping Container: (Enthalpy) Client (Retain) Return Dispose			
Chain of Custody / Sample Documentation Present?	✓		
Chain of Custody / Sample Documentation Complete?	✓		
Holding Time Acceptable?	✓		

Logged In:	Date/Time: 07/26/24 12:05	Initials: KM	Location: R-15, WR-2 Shelf/Rack: A-1, E-2
COC Anomaly/Sample Acceptance Form completed?	✓		

Comments:

CoC/Label Reconciliation Report WO# 2407240

LabNumber	CoC Sample ID		SampleAlias	Sample Date/Time		Container	BaseMatrix	Sample Comments
2407240-01	A B-932U_20240722	☐ A)	282540	22-Jul-24 10:30	☑	Polypropylene, 250mL	Aqueous	
2407240-01	B B-932U_20240722	☐ B)	282540	22-Jul-24 10:30	☑	Polypropylene, 250mL	Aqueous	
2407240-02	A B-932L_20240722	☐	282540	22-Jul-24 10:19	☑	Polypropylene, 250mL	Aqueous	
2407240-02	B B-932L_20240722	☐	282540	22-Jul-24 10:19	☑	Polypropylene, 250mL	Aqueous	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		

Comments:

A) Underlined part missing on sample label

B) ~ 5% particulate

Preservation Documented: Na2S2O3 (Trizma) NH4CH3CO2 None Other

T1

Verifed by/Date: KM 07/29/24

JT 07/29/24

ENTHALPY ANALYTICAL

ANOMALY FORM

Work Order # 2407240

Initial/Date — The following checked issues were noted during sample receipt and login:

Initial/Date		
_____	☐	**1. The samples were received out of temperature at (WI-PHT): _____** Was Ice present: Yes No Melted Blue Ice
_____	☐	2. The Chain-of-Custody (CoC) was not relinquished properly.
_____	☐	3. The CoC did not include collection time(s). 00:00 will be used unless notified otherwise.
_____	☐	4. The sample(s) did not include a sample collection time. All or Sample Name: _____
VA-71961-4	☑	5. A sample ID discrepancy was found. See the Reconciliation report. The CoC Sample ID will be used unless notified otherwise.
_____	☐	6. A sample date and/or time discrepancy was found. See the Reconciliation report. The CoC Sample date/time will be used unless notified otherwise.
_____	☐	**7. The CoC did not include a sample matrix. The following sample matrix will be used: _____**
_____	☐	**8. Insufficent volume received for analysis. All or Sample Name: _____**
_____	☐	9. The backup bottle was received broken. Sample Name: _____
_____	☐	**10. CoC not received, illegible or destroyed.**
_____	☐	**11. The sample(s) were received out of holding time. All or Sample Name: _____**
_____	☐	**12. The CoC did not include an analysis. All or Sample Name: _____**
_____	☐	**13. Sample(s) received without collection date. All or Sample Name: _____**
_____	☐	**14. Sample(s) not received. All or Sample Name: _____**
_____	☐	**15. Sample(s) received broken. All or Sample Name: _____**
_____	☐	**16. An incorrect container-type was used. All or Sample Name: _____**
_____	☐	17. The Field Reagent Blank (FRB) preservative was from a different lot than the field samples. Will proceed with analysis and narrate unless notified otherwise.
_____	☐	18. Other:

Bolded items require sign-off

Client Contacted: _____

Date of Contact: _____

Lab Project Manager: _____

Resolution:

Chain-of-Custody Record

282540

Page 1 of 1

Sample ID	Sampling Date/Time *If Composite, Indicate Both Start & Finish Date/Time	Matrix (see below)	Grab/*Composite	Analyses Requested: PFAS- 537 Mod with isotope dilution - DoD 26 Compound List	Field Turbidity (NTU)	# of Containers	NOTES MeOH Vial #
B-932U_20240722	7/22/24 1030	GW	G	X		2	
B-932L_20240722	↓ 1019	GW	G	X		2	
Matrix: A-Air; S-Soil; GW-Ground Water; SW-Surface Water; DW-Drining Water; WW-Waste Water; AQ-Aqueous; L-Leachate				ICE			
Preservative: H-HCl; N-HNO3; S-H2SO4; Na-NaOH; M-MeOH; NSO-Na2S2O3							

Project Manager: M. Estabrooks / T. White

Company: Sanborn, Head & Associates, Inc.

Address: 6 Bedford Farms Drive, Suite 201

City: Bedford State: NH Zip: 03110

Phone 603-229-1900 Ext.:

Fax: 603-229-1919

E-Mail: mestabrooks.sanbornhead.com

Site Name: NCES | PFAS GW SSI

Project # 2637.11

State: NH

Regulatory Program: NPDES: RGP POTW Stormwater or GWP, Oil Fund, Brownfield or Other:

Quote #: PO#:

Date Needed:

QA/QC

Reporting Level

A **B** C

or

Presumptive Certainty

Reporting Options

Prelims: Yes or No

If Yes: Fax or PDF

Electonic Options

No Fax | E-Mail | PDF | Equis

Temp. 1.9 °C

Metals: **Samples Field Filtered:**

A:

B:

C:

Notes: (i.e., Special Detection Limits, Billing Info, If Diff

Bill NCES.
Sub Enthalpy
1)Centrifuge samples if needed
2) Please Report Sulfonic Acids
3) PFAS by 537 Mod with isotope dilution (Compound List Attached)
4) Report to RL (no J-flags)

Suspected Contamination:

Field Readings:

Sampler(s): MTS

Relinquished By:	Date:	Time:	Received By:
[signature]	7/23/24	1849	
[signature]	7/24/24	0846	[signature]

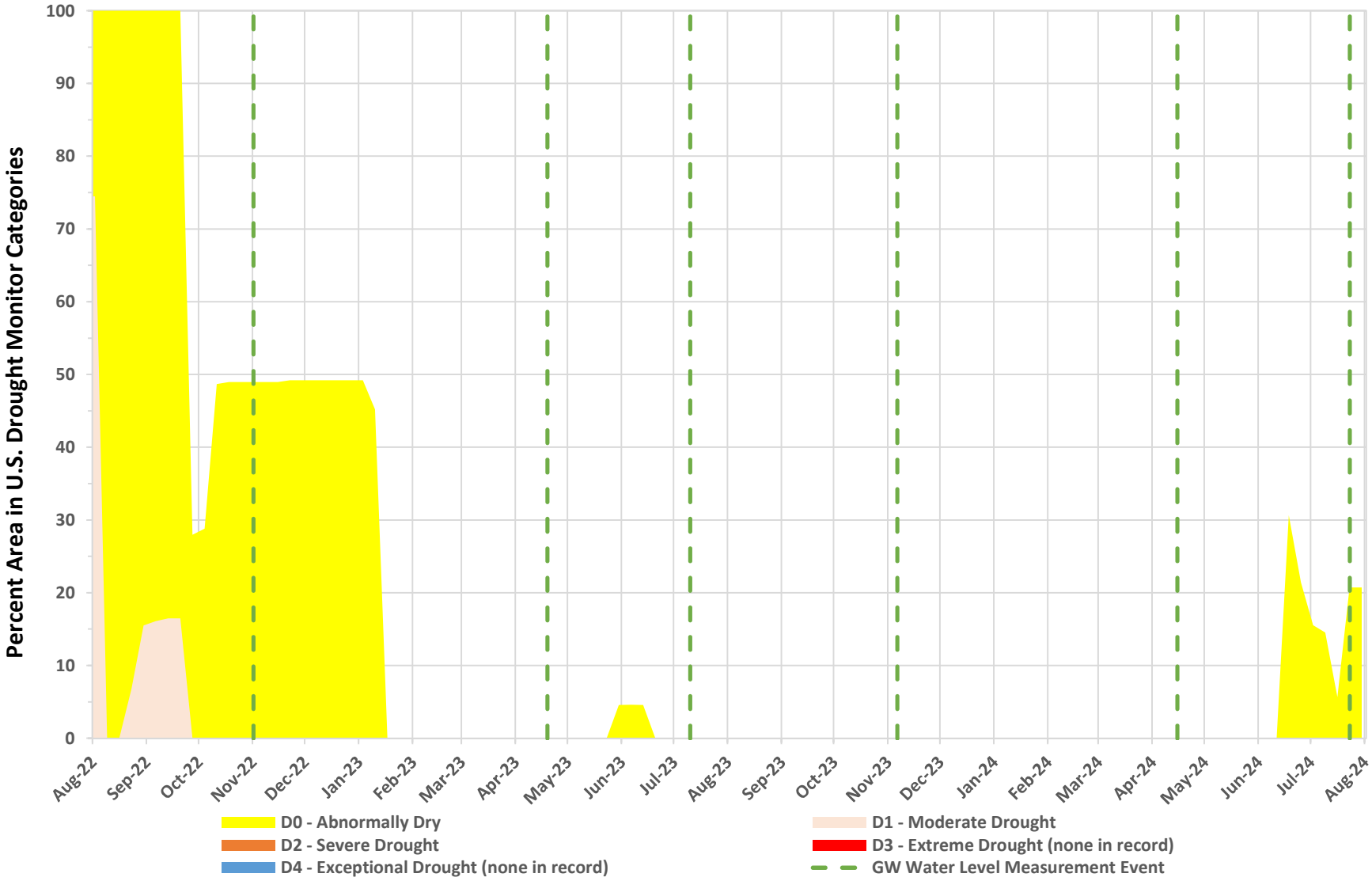
Eastern Analytical, Inc. services

51 Antrim Ave | Concord, NH 03301 | Tel: 603.228.0525 | 1.800.287.0525 | Fax: 603.228.4591 | E-Mail: customerservice@eailabs.com | www.eailabs.com

Appendix G

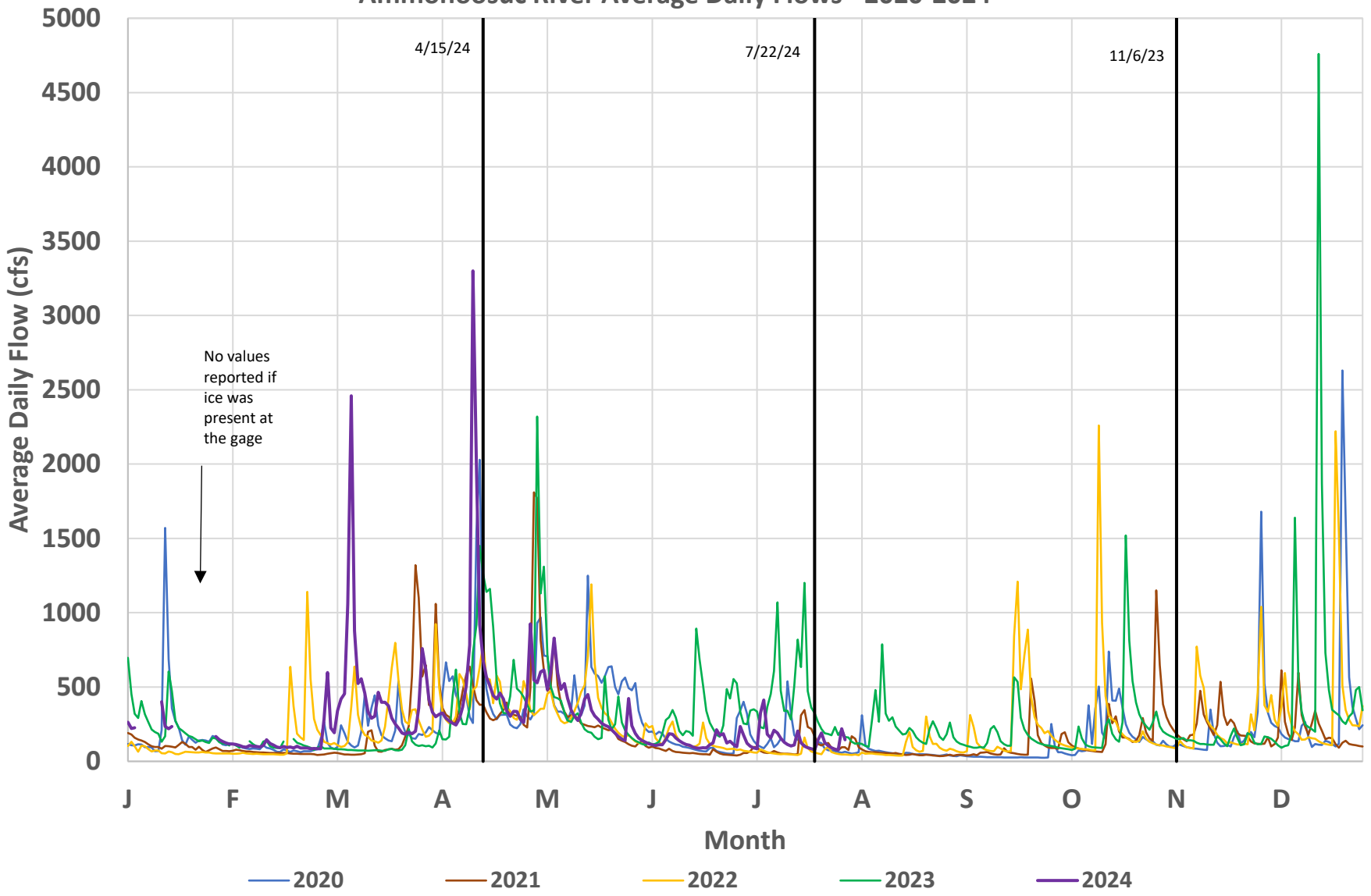
Precipitation Information

Figure G.1
U.S. Drought Monitor Data - Grafton County, New Hampshire



Data obtained from U.S. Drought Monitor: https://droughtmonitor.unl.edu/DmData/DataTables.aspx
Accessed: August 4, 2024

Figure G.2
Ammonoosuc River Average Daily Flows - 2020-2024



Data recorded at USGS gage 01137500 Ammonoosuc River at Bethlehem Junction, NH https://waterdata.usgs.gov/nwis/uv?site_no=01137500; some 2023/2024 data from USGS are provisional and subject to revision; Accessed August 22, 2024

Appendix H

Potential Receptor Evaluation

Appendix H
Potential Receptor Evaluation

As required by Special Condition No. 16 of the September 18, 2023 Groundwater Management and Release Detection Permit (the "Permit"), this appendix includes information regarding potential receptors within 1,000 feet of the NCES Landfill.

A "potential receptor" is defined in Env-Or 602.21 as "a living organism or an environmental medium that is in the pathway of contamination from a discharge". As required by Special Condition No. 16 of the Permit and Env-OR 606.0-7(d), the Potential Receptor Map in Appendix H shows streets, properties, surface water, and water supply wells[1]. Property ownership information is tabulated in Appendix H.

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[1] Env-Or 606.07(d) defines sensitive subpopulations as "such as daycare centers, schools, playgrounds, parks, senior housing". No such features exist within 1,000 feet of the NCES Landfill.

Table H-1
Summary of Parcel Information

TABLE NARRATIVE: This table summarizes parcel information for the parcels indicated on Figure H.1 within 1,000 feet of the NCES Landfill limit. Parcel information was obtained from records maintained by Town of Bethlehem (https://next.axisgis.com/bethlehemnh/). Well information was obtained from NHDES OneStop. For several parcels where well information was not available, inferences were made based upon land use and are noted on this table.

Parcel ID	Tax Map	Lot Number	Owner Name	Land Use Information	Water Supply Well ID No.
NCES-Owned Parcels					
419-001-000-000	419	1	NCES c/o Ryan LLC PO Box 4900 Scottsdale, AZ 85261	Offices, scale house, maintenance garage, transfer station	Well 025.0044 (test/exploration boring, not a supply well) Well 025.0045 (industrial supply, non-potable)
419-002-000-000	419	2	NCES c/o Ryan LLC PO Box 4900 Scottsdale, AZ 85261	Truck queue, stormwater management	None
419-005-000-000	419	5	Forest Acquisitions, Inc. c/o Ryan LLC PO Box 4900 Scottsdale, AZ 85261	Undeveloped lot (mostly forested)	None
419-006-000-000	419	6	Forest Acquisitions, Inc. c/o Ryan LLC PO Box 4900 Scottsdale, AZ 85261	Undeveloped lot (mostly forested)	None
419-009-000-000	419	9	Forest Acquisitions, Inc. c/o Ryan LLC PO Box 4900 Scottsdale, AZ 85261	Undeveloped lot (mostly forested)	None
419-012-000-000	419	12	Forest Acquisitions, Inc. c/o Ryan LLC PO Box 4900 Scottsdale, AZ 85261	Undeveloped lot (mostly forested)	None
419-019-000-000	419	19	NCES c/o Ryan LLC PO Box 4900 Scottsdale, AZ 85261	Undeveloped lot (mostly forested)	None
419-020-000-000	419	20	NCES c/o Ryan LLC PO Box 4900 Scottsdale, AZ 85261	Undeveloped lot (mostly forested)	None
419-021-000-000	419	21	NCES c/o Ryan LLC PO Box 4900 Scottsdale, AZ 85261	Undeveloped lot (mostly forested)	Well 025.0521 (test/exploration boring, not a supply well)
419-022-000-000	419	22	NCES c/o Ryan LLC PO Box 4900 Scottsdale, AZ 85261	Landfill	Well 025.0426 (test/exploration boring, not a supply well)
419-024-000-000	419	24	NCES c/o Ryan LLC PO Box 4900 Scottsdale, AZ 85261	Gravel pit, site perimeter road; forested land	Well 025.0541 (test/exploration boring, not a supply well) Well 025.0043 (test/exploration boring, not a supply well)
419-025-000-000	419	25	NCES c/o Ryan LLC PO Box 4900 Scottsdale, AZ 85261	Mostly forested land; ancillary gravel pit operations	None
419-026-001-000	419	26.1	Forest Acquisitions, Inc. c/o Ryan LLC PO Box 4900 Scottsdale, AZ 85261	Undeveloped lot (mostly forested)	None

Parcel ID	Tax Map	Lot Number	Owner Name	Land Use Information	Water Supply Well ID No.
419-026-002-000	419	26.2	Forest Acquisitions, Inc. c/o Ryan LLC PO Box 4900 Scottsdale, AZ 85261	Forested land	None
419-052-000-000	419	52	NCES 473 Trudeau Road Bethlehem, NH 03574	Commercial/industrial - gas plant operations	025.0538 (industrial supply, non-potable)
419-053-000-000	419	53	NCES Trudeau Road Bethlehem, NH 03574	Forested land	None
209-027-000-000	209	27	NCES c/o Ryan LLC PO Box 4900 Scottsdale, AZ 85261	Stormwater management for gas plant operations; mostly forested	None
Non-NCES Parcels					
419-003-000-000	419	3	Nicholas D'Angelo 36 Columbia Ave Newton, MA 02464	Residential, seasonal camp	No well record included in NHDES' online records
419-004-000-000	419	4	Nicholas D'Angelo 36 Columbia Ave Newton, MA 02464	Residential (undeveloped land)	No well record included in NHDES' online records
419-007-000-000	419	7	Shurtleff 11 Vinton Dr Penacook, NH 03303	Residential	No well record included in NHDES' online records
419-008-000-000	419	8	Jack C. & Jan Tyrell 580 Trudeau Rd Bethlehem, NH 03574	Residential	Well 025.0477 Test/exploration
419-010-000-000	419	10	Town of Bethlehem PO Box 189 Bethlehem, NH 03574	Residential (undeveloped land)	No well record included in NHDES' online records
419-011-000-000	419	11	Daniel M. Bois Mary J Bois 528 Trudeau Rd Bethlehem, NH 03574	Residential	No well record included in NHDES' online records
422-005-000-000	422	5, 5-99 (see note 1)	U.S. Forest Service c/o Ammonoosuc Ranger District PO Box 239 Bethlehem, NH 03574	National Forest	No well record included in NHDES' online records
422-005-001-000	422	5.1	State of New Hampshire Department of Safety 33 Hazen Drive Concord, NH 03305	Fire training facility	No well record included in NHDES' online records

Note:

1. U.S. Forest Service Parcel lot number is listed as 5 in the records maintained by Town of Bethlehem (https://next.axisgis.com/bethlehemnh/). In the GIS layers on Figure H.1, the U.S. Forest Service parcel is listed as lot number 5-99.

File:P:\2600s\2637.11\Graphics Files\CAD\GW Mon Rpt July2024\Potential Receptor Map_w_Survey.dwg Plot Date: 8-20-24

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NOTES:

1. THE AERIAL IMAGERY OUTSIDE THE LANDFILL LIMIT OF WASTE WAS OBTAINED FROM GOOGLE EARTH DATED OCTOBER 2022. AERIAL IMAGE INSIDE THE LANDFILL LIMIT OF WASTE WAS TAKEN ON JUNE 13, 2024 AND PROVIDED BY CMA.
2. WATER SUPPLY INFORMATION WAS OBTAINED FROM HTTP://DES.NH.GOV IN NOVEMBER 2023. WELL LOCATIONS ARE SHOWN AS REFERENCED IN NHDES' ONESTOP INFORMATION. SOME INFORMATION AND LOCATIONS IN NHDES' RECORDS MAY DIFFER FROM ACTUAL INSTALLED CONDITIONS. REFER TO TEXT FOR ADDITIONAL INFORMATION.
3. PARCEL LINES WERE OBTAINED FROM THE NH PARCEL MOSAIC DATASET PROVIDED BY ARCGIS ONLINE. LAST CHECKED IN AUGUST 2024.
4. STREAM LINES WERE OBTAINED FROM THE NHD FLOWLINE LAYER DOWNLOADED FROM GRANIT.UNH.EDU IN SEPTEMBER 2023.
5. REFER TO TABLE H-1 FOR A SUMMARY OF PARCEL INFORMATION.
6. REFER TO PREVIOUS FIGURES FOR ADDITIONAL NOTES AND LEGEND.

LEGEND:

- GROUNDWATER MANAGEMENT ZONE
- 1,000-FOOT BUFFER AROUND LANDFILL
- STREAM
- 419-31 MAP AND LOT NUMBER
- INDICATES NCES OR AFFILIATE OWNED PARCEL
- 1305 GROUNDWATER ELEVATION CONTOUR JULY 2024 (DASHED WHERE LESS CONSTRAINED)
- 025.0547 WATER SUPPLY WELL LOCATION AND WRB DESIGNATION
- INDICATES PRIVATE WATER SUPPLY WELL
- INDICATES TEST WELL/EXPLORATION WELL/MONITORING WELL (NON-POTABLE), OR SOIL BORING
- INDUSTRIAL SUPPLY NON-POTABLE

SANBORN HEAD	GRAPHICAL SCALE 200' 100' 0 200' 400'		DRAWN BY: E. WRIGHT DESIGNED BY: G. PANIK REVIEWED BY: T. WHITE PROJECT MGR: M. ESTABROOKS PIC: T. WHITE DATE: AUGUST 2024	NORTH COUNTRY ENVIRONMENTAL SERVICES, INC. BETHLEHEM, NEW HAMPSHIRE POTENTIAL RECEPTOR MAP	PROJECT NUMBER: 2637.11 FIGURE NUMBER: H.1