



Report Cover Waste Management Division



April 2025 Tri-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

North Country Environmental Services, Inc. (NCES)
581 Trudeau Road, P.O. Box 9
Bethlehem, New Hampshire 03574-0009
(603) 869-3366

Mr. Marc Morgan
marc.morgan@casella.com

Sanborn Head & Associates

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Sanborn Head &
Associates

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PREPARED BY

Sanborn, Head & Associates, Inc.
6 Bedford Farms Drive, Suite 201
Bedford, New Hampshire 03110
(603) 229-1900
Timothy M. White, P.G
twhite@sanbornhead.com



Date of Report: May 29, 2025

Tina.A.Clark@des.nh.gov or phone (603) 271-7379
PO Box 95, Concord, NH 03302-0095
www.des.nh.gov



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) _____
- ☒ Data Transmittal* (Mo./Year) 04/2025
- *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: Yes, discussed in the text.
- ☐ 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: Mn AGQS 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).

Tina.A.Clark@des.nh.gov or phone (603) 271-7379

PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

Mr. James W. O'Rourke, P.G.
New Hampshire Department of Environmental Services
Waste Management Division
29 Hazen Drive, P.O. Box 95
Concord, New Hampshire 03302-0095

May 29, 2025
File No. 2637.012

Re: April 2025 Water Quality Monitoring Results
Groundwater Management and Release Detection Permit GWP-198704033-B-008
North Country Environmental Services, Inc. (NCES) Landfill
Bethlehem, New Hampshire

Dear Mr. O'Rourke:

On behalf of NCES, Sanborn, Head & Associates, Inc. (Sanborn Head) performed groundwater and surface water quality sampling at the NCES Landfill (Site) on April 14 and 15, 2025. Sanborn Head collected groundwater and surface water samples from the locations required by the Site Groundwater Management and Release Detection Permit GWP-198704033-B-008 (the "Permit"), issued by New Hampshire Department of Environmental Services (NHDES) on September 18, 2023.

The Permit locations specified for the April 2025 sampling round included: 28 groundwater monitoring wells, two seeps/springs on the slope between the Site and the Ammonoosuc River, and water level measurements (only) at 13 groundwater monitoring wells, as summarized in Exhibit 1 (following page).

A Site Features Plan is provided as Figure 1. A Groundwater Elevation Contour Plan is provided as Figure 2. An evaluation of background groundwater exceedances is provided as Table 1. A summary of sitewide background conditions is included in Appendix A. A summary of historical monitoring data is included in Appendix B. Time series plots of groundwater analytical parameters are included in Appendix C. PFAS groundwater analytical results will be provided as Appendix D. Field Sampling Summary forms are provided as Appendix E. Analytical Data Reports are included in Appendix F. Precipitation information is included in Appendix G.

Exhibit 1
Summary of Permit Monitoring Locations – April 2025

Groundwater Management Wells/Other					
100-Series	B-103S	B-103D	Non-Permit SSI Monitoring Wells: B-932U, B-932L, B-933U, B-933L, B-934U, B-934L, MW-802L		
900-Series	B-928U	B-928D			
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*
	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 April 2025 tri-annual monitoring; no sample was collected for field screening parameters or laboratory analysis.					

Surface Water Sampling Locations
Springs/Seeps
S-1 (Main Seep)
SF-1 (surface flow down slope from S-1)

Field parameters pH, specific conductance, temperature, and turbidity (at the locations sampled for PFAS [B-304UR, B-304DR, MW-604, MW-701, B-918M, B-928U and B-928D]) were measured at the time of sample collection. Groundwater samples were placed into laboratory containers and transported to Eurofins Environment Testing Eastern Analytical (EA) of Concord, New Hampshire in coolers with ice under standard chain-of-custody procedures.

SUMMARY OF BACKGROUND GROUNDWATER CONCENTRATION EXCEEDANCES

This section compares groundwater analytical results of the April 2025 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 exceeding background values for the first time at a monitoring location in April 2025 are summarized in Exhibit 2. Other detected concentrations were either

below background values or have previously exceeded background concentrations in the period of record for a given location.

Exhibit 2

Summary of Initial Background Concentration Exceedances – April 2025

Location	Analyte	Concentration / Value	Previous Max/Min	April 2025 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-930U	Acetone	12 µg/L	<10 µg/L	<10 µg/L	6,000 µg/L	NS	6
	Comments: Acetone represented an initial detection and initial exceedance of background at this location; however, it was detected only slightly above the laboratory reporting limit of 10 µg/L, and well below the AQGS of 6,000 µg/L. Given that no other VOCs were detected in B-930U and concentrations of other analytes were within historical ranges, the acetone detection is not considered representative of site conditions but rather a likely artifact of the lab analysis. Acetone detections in site groundwater are rare. The most recent acetone detections were at B-919U and B-919M in June 2022 (both 11 ug/L), and MW-802 in November 2017. All three of these results were interpreted as laboratory artifacts given the concentrations were only slightly above the laboratory reporting limit and the fact that at each location, acetone was not detected in subsequent sampling. Acetone results at the site will continue to be reviewed in future rounds.						
MW-701	PFNA	1.83 ng/L	<1.78 ng/L	<1.5-<2.5 ng/L	11 ng/L	NS	26
	Comments: PFNA represented an initial detection and therefore an initial exceedance of background at this location; however, it was detected only slightly above the laboratory reporting limit of 1.72 ng/L, and well below the AQGS of 11 ng/L. There were no other initial detections at MW-701 in April 2025, and concentrations of other analytes were within historical ranges. Comparison to background concentrations will continue to be monitored at this location in July 2025.						
Release Detection Wells Inside the GMZ – Impacts Anticipated from Former Unlined Landfill							
B-928D	PFHxS	4.07 ng/L	<1.99 ng/L	<1.5-<2.5 ng/L	18 ng/L	NS	13
	Comments: PFHxS represented an initial detection and therefore initial exceedance of background at this location; however, it was detected only slightly above the laboratory reporting limit of 2.77 ng/L, and well below the AQGS of 18 ng/L. There were no other initial detections at B-928D in April 2025, and concentrations of other analytes were within historical ranges (except for PFHpA and PFOA). Comparison to background concentrations will continue to be monitored at this location in July 2025.						
Groundwater Management Wells Inside the GMZ – Impacts Anticipated from Former Unlined Landfill							
No initial exceedances of background							
Supplemental Site Investigation							
B-932U	PFPeA	2.85 ng/L	<1.81 ng/L	<1.5-<2.5 ng/L	NS	NS	3
	Comments: B-932U was installed in July 2024; April 2025 represents the third sampling event at this location. PFPeA was detected only slightly above the laboratory reporting limit of 1.75 ng/L. Comparison to background concentrations will continue to be monitored in the fourth sampling event at this location in July 2025.						
B-933U	Temperature	14 C	11 C	5.6 - 11.9 C	NS	NS	2

Location	Analyte	Concentration / Value	Previous Max/Min	April 2025 Site Background (refer to Table 1)	GW-1 (AGQS)	SMCL	# of sampling events for analyte
	Barium, Dissolved	0.038 mg/L	0.02 mg/L	0.025 mg/L	2 mg/L	NS	2
	Comments: B-933U was installed in November 2024; April 2025 represents the second sampling event at this location. Results are consistent with reducing conditions associated with the former unlined landfill. Comparison to background concentrations will continue to be monitored in the third sampling event at this location in July 2025.						
B-933L	Temperature	12.6 C	10.6 C	5.6 - 11.9 C	NS	NS	2
	Comments: B-933L was installed in November 2024; April 2025 represents the second sampling event at this location. Results are consistent with reducing conditions associated with the former unlined landfill. Comparison to background concentrations will continue to be monitored in the third sampling event at this location in July 2025.						

SUMMARY OF INITIAL DETECTS

As summarized in Exhibit 3 below, six locations indicated an initial detection of one or more analytes in April 2025.

Exhibit 3

Summary of Initial Detects at Groundwater Monitoring Locations – April 2025

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	April 2025 Concentration	Laboratory Reporting Limit
MW-701	PFNA	11 ng/L	<1.5-<2.5 ng/L	1.83 ng/L	1.72 ng/L
B-928D	PFHxS	18 ng/L	<1.5-<2.5 ng/L	4.07 ng/L	2.77 ng/L
B-930U	Acetone	6,000 µg/L	10 µg/L	12 µg/L	<10 µg/L
B-932U (non-Permit SSI well)	Iron	Not established	0.41 mg/L	0.061 mg/L	<0.05 mg/L
	COD	Not established	15 mg/L	14 mg/L	<10 mg/L
	PFPeA	Not established	<1.5-<2.5 ng/L	2.85 ng/L	1.75 ng/L
B-932L (non-Permit SSI well)	COD	Not established	15 mg/L	11 mg/L	<10 mg/L
B-933L (non-Permit SSI well)	Iron	Not established	0.41 mg/L	0.062 mg/L	<0.05 mg/L

SUMMARY OF GROUNDWATER QUALITY EXCEEDANCES

Detected concentrations in groundwater in April 2025 which exceeded applicable standards are indicated on Table 1 and in Appendix B.2, and summarized in Exhibit 4 below. Concentrations were compared to the GW-1/AGQS; if no GW-1/AGQS is available for an analyte, then concentrations were compared to the USEPA SMCLs¹, if available.

¹ 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 by USEPA to present a risk to human health at the SMCL.

Exhibit 4
Summary of Exceedances of AGQS or SMCL – April 2025

Analyte	AGQS (or SMCL if no AGQS)	Exceedance in April 2025		Initial Exceedance April 2025	
		Within GMZ	Outside GMZ	Within GMZ	Outside GMZ
AGQS Exceedance					
Manganese	0.30 mg/L	B-103S, B-103D, B-304DR, MW-802, MW-803, B-919M, B-933U, B-934U, B-934L, MW-802L	B-926U, MW-701	None	None
Arsenic	0.005 mg/L	B-919M, MW-802, MW-803, B-933U, B-934U, B-934L	None	None	None
PFOA	12	B-304UR, B-304DR, MW-604, B-928U, B-928D	None	None	None
PFHxS	18	B-304UR	None	None	None
SMCL Exceedance (analytes with no AGQS)					
pH ¹	6.5 to 8.5 s.u.	MW-802, MW-803, B-934U	B-915M, B-916U, B-916M, B-918U, B-926U	None	None
Iron	0.3 mg/L	B-103S, B-103D, MW-802, MW-803, B-919M, B-933U, B-934U, B-934L	B-927M	None	None
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 April 2025 was the first time the AGQS or SMCL was exceeded in a sample collected from a given location in the respective period of record. The period of record varies by location. mg/L = milligrams per liter					

GROUNDWATER QUALITY TREND ASSESSMENT

This section provides a comparison to background values, an assessment of trends for analytes with initial background exceedances, and an assessment of trends for analytes with exceedances of standards for April 2025 results. Refer to Tables 1, B.2, and D.1 for analytical data summaries. Time series plots are included in Appendix C.

Volatile Organic Compounds (VOCs)

Only two VOCs were detected in groundwater in April 2025:

- **Acetone:** was detected at one location (B-930U) at a concentration of 12 µg/L, slightly above the laboratory reporting limit of 10 µg/L. This result represents an initial detection and initial exceedance of background at this location. Given that no other VOCs were detected in B-930U, and concentrations of other analytes were within historical ranges, the acetone detection is not considered representative of Site conditions but rather a likely artifact of the lab analysis. Acetone detections in Site groundwater are rare. The most recent acetone detections were at B-919U and B-919M in June 2022 (both 11 µg/L), and

MW-802 in November 2017 (10 µg/L). All three of these results were interpreted as laboratory artifacts given the concentrations were only slightly above the laboratory reporting limit and the fact that at each location, acetone was not detected in subsequent sampling. Acetone results at the Site will continue to be reviewed in future rounds.

- **Dichlorodifluoromethane (DCDFM; Freon 12):** was detected at one location (B-927M) at a concentration of 18 µg/L, well below the AGQS (1,000 µg/L). The concentration at B-927M was within the range of historical results at this well, which have ranged from 7 to 21 µg/L since this well was first sampled in November 2017.

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 and at some locations outside of the GMZ and downgradient of the lined landfill (e.g., B-926U, MW-701). Persistent elevated metal concentrations in groundwater at some of the Site's downgradient release detection wells and wells within the GMZ are generally limited to metals known to be mobilized by reducing conditions created both by the former unlined landfill and the lined facility. Therefore, locations within and adjacent to the GMZ and generally downgradient from the lined landfill are anticipated to typically exhibit higher metals concentrations in groundwater than other areas of the Site.

A summary of inorganic parameters is provided below.

Metals

- **Arsenic:** Exceedances of the arsenic Site background concentration (0.00051 mg/L) in April 2025 were indicated at six locations inside the GMZ (MW-802, MW-803, B-919M, B-933U, B-934U, and B-934L). Arsenic concentrations at these monitoring wells ranged from 0.0084 mg/L (MW-802) to 0.063 mg/L (MW-803) and were within range of recent concentrations recorded at these locations, with the exceptions of B-933U and B-934U, for which April 2025 was only the second 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.
- **Manganese:** Exceedances of the manganese Site background concentration (0.072 mg/L) in April 2025 were indicated at ten locations inside the GMZ (MW-802, MW-803, B-919M, B-304DR, B-103S, B-103D, B-933U, B-934U, B-934L, and MW-802L), and three locations outside the GMZ (B-926U, B-927M, and MW-701). Concentrations at these wells inside the GMZ ranged from 0.39 mg/L (MW-802L) to 6.9 mg/L (B-934U). Concentrations at these wells outside the GMZ ranged from 0.23 mg/L (B-927M) to 6.7 mg/L (B-926U). Manganese concentrations at these monitoring wells in April 2025 were within the range of recent concentrations, except for B-934L and MW-802L, at which the concentrations detected in April 2025 (2.9 mg/L and 0.39 mg/L, respectively) each represented a period of record maximum. However, April 2025 represented only the second sampling round at these two

SSI wells. Based on the absence or the generally low concentrations of other leachate parameters at B-934L and MW-802L (nitrate, VOCs, COD and TKN were not detected), the data are not consistent with a new release. Each of these background exceedances also represented an exceedance of the manganese AGQS of 0.3 mg/L, except for B-927M.

- **Iron:** Exceedances of the iron Site background concentration (0.41 mg/L) in April 2025 were limited to eight wells inside the GMZ (MW-802, MW-803, B-919M, B-103S, B-103D, B-933U, B-934U, and B-934L) and one well outside the GMZ (B-927M). Concentrations at these wells inside the GMZ ranged from 2.9 mg/L (MW-802) to 57 mg/L (MW-803 primary; 56 mg/L in the duplicate). The concentration at B-927M outside the GMZ was 2.3 mg/L. Iron concentrations at these monitoring wells in April 2025 were within the range of recent concentrations, except for B-933U and B-934U, at which the concentrations detected in April 2025 (7.9 mg/L and 35 mg/L, respectively) each represented a period of record maximum; however, April 2025 represented only the second sampling round at these two SSI wells. Based on the absence or the generally low concentrations of other leachate parameters at B-933U and B-934U (nitrate, VOCs, and COD were not detected, and TKN exceeded background only modestly [1.3 mg/L vs. background of 0.58 mg/L]), the data are not consistent with a new release. Each of these background exceedances also represented an exceedance of the iron SMCL of 0.3 mg/L.
- **Barium:** Exceedances of the barium Site background concentration (0.025 mg/L) in April 2025 were indicated at three SSI locations inside the GMZ (B-933U, B-934U, and B-934L). Barium concentrations at these monitoring wells ranged from 0.038 mg/L (B-933U) to 0.063 mg/L (B-934L). The detection at B-933U represented an initial exceedance of background, and the detection at B-934L represented a period of record maximum. However, April 2025 was only the second sampling round at these locations. Each of these background exceedances was well below the AGQS of 2 mg/L.
- **Nickel:** One exceedance of the nickel Site background concentration (0.0027 mg/L) was indicated in April 2025: 0.0036 mg/L at B-934U. This result was below the concentration detected in December 2024 (0.0066 mg/L), which represented the first sampling round at this location. This background exceedance was well below the AGQS of 0.1 mg/L.

Bromide

The bromide background concentration inside the GMZ (0.4 mg/L) was not exceeded in April 2025. Two locations outside the GMZ indicated slight exceedances of the bromide background outside of the GMZ (0.1 mg/L): B-918U (0.11 mg/L) and B-926U (0.13 mg/L). Bromide concentrations at Site monitoring wells in April 2025 were within the range of recent concentrations.

Chloride

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

- Shallow locations near roadways or downgradient of site roadways are inferred to be in part or in whole related to vehicle traffic and associated soil disturbance. Deeper intervals may also indicate elevated chloride concentrations within the GMZ (e.g., B-304DR). Some concentrations may be only modestly above site background. A list of locations is provided below:

Outside the GMZ	B-915U, B-918U, B-926U, B-927U, B-931U, B-932U, MW-701
Inside the GMZ	B-103S, B-103D, B-304UR, B-304DR, B-919M, B-919U, B-928U, B-928D, B-933U, B-933L, B-934U, B-934L, MW-802, MW-802L, MW-803

Chloride concentrations at these locations in April 2025 ranged from 2.0 mg/L (B-931U) to 65 mg/L (B-918U) and were generally within the range of recent results, except for B-932L and B-933U, at which the concentrations detected in April 2025 (3.7 mg/L and 2.6 mg/L, respectively) each represented a period of record maximum. However, April 2025 represented only the third and second sampling round at these two SSI wells, respectively. Based on the absence or the generally low concentrations of other leachate parameters at B-932L and B-933U (nitrate, VOCs, TKN and COD were not detected), the data are not consistent with a new release.

- Periodically or consistently elevated chloride (and sometimes also specific conductance) are noted at intermediate and deep wells outside the GMZ, and generally northwest of the landfill. These intermediate and deep wells occasionally indicate the presence of anthropogenic influence (e.g., sporadic historical 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. Some concentrations may be only modestly above site background. A list of locations is provided below:

▪ B-915M	▪ B-926L
▪ B-916M	▪ B-927M
▪ B-918M	▪ B-932L

Chloride concentrations at these locations in April 2025 ranged from 3.7 mg/L (B-932L) to 43 mg/L (B-915M) and were generally within the range of recent results.

Nitrate

The nitrate background concentration (3.2 mg/L), and therefore also the AGQS (10 mg/L), was not exceeded at any monitoring wells in April 2025.

Total Kjeldahl Nitrogen (TKN)

Two locations inside the GMZ exceeded the TKN background (0.58 mg/L) in April 2025: MW-803 (2.4 mg/L in the primary; 2.3 mg/L in the duplicate) and B-934U (1.3 mg/L). The concentration

detected at MW-803 was within the range of recent results. The concentration detected at B-934U represented a period of record maximum. However, April 2025 represented only the second sampling round at this SSI well. Based on the absence or the generally low concentrations of other leachate parameters at B-934U (nitrate, VOCs and COD were not detected), the data are not consistent with a new release.

Sulfate

Sulfate was required by NHDES² to be analyzed in the MW-701 and B-918M samples and select locations under the Permit and SSI programs. The sulfate results in April 2025 were generally consistent with previous results and were well below the GW-1/AGQS (500 mg/L). Sulfate was detected below the GW-1/AGQS at the recently installed SSI wells at concentrations similar to or less than the concentrations detected in July, November, and December 2024.

Because analysis for sulfate was not required in the Permit monitoring until the September 18, 2023 Permit, a background value has not yet been established for this parameter. As the period of record is developed for Site wells, a background sulfate value will be established.

Chemical Oxygen Demand (COD)

The COD background concentration (15 mg/L) was exceeded at four locations in April 2025 monitoring: MW-802 (18 mg/L), MW-803 (76 mg/L in the primary; 68 mg/L in the duplicate), B-926U (21 mg/L), and B-927M (44 mg/L). COD concentrations at these wells in April 2025 were generally within the range of recent results.

Per- and Polyfluoroalkyl Substances (PFAS)

Samples for PFAS analysis were collected from seven permit monitoring wells (B-304UR, B-304DR, MW-604, MW-701, B-918M, B-928U, and B-928D) and seven SSI wells (B-932U, B-932L, B-933U, B-933L, B-934U, B-934L, and MW-802L) at the Site in April 2025.

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 April 2025:

- **PFOA** was detected at nine sampling locations (B-304UR, B-304DR, MW-604, MW-701, B-918M, B-928U, B-928D, B-932U, and B-934U) at concentrations ranging from 3.63 ng/L (B-918M) to 44.7 ng/L (B-304DR). The PFOA concentrations at B-928D (18.4 ng/L) and B-932U (6.16 ng/L) represented period of record maxima concentrations at those locations.
- **PFNA** was detected at two sampling locations: B-304DR (4.04 ng/L) and MW-701 (1.83 ng/L), below the AGQS (11 ng/L). The B-304DR result represented a period of record maximum concentration at that location and as indicated above, the MW-701 result represented an initial detection and initial exceedance of background. We note that the laboratory reporting limits were typically 4 ng/L or higher prior to 2023.

² <https://www4.des.state.nh.us/DocViewer/?ContentId=5130124>

- **PFHxS** was detected at five sampling locations (B-304UR, B-304DR, B-928U, B-928D, and B-934U) at concentrations ranging from 1.8 ng/L (B-928U) to 19.6 ng/L (B-304UR). As indicated above, the PFHxS concentration at B-928D (4.07 ng/L) was an initial detection at this location; however, we note that the laboratory reporting limits were typically 4 ng/L or higher prior to 2023. The B-934U result represented a period of record maximum concentration at that location; however, April 2025 represented only the second sampling round at this SSI well.
- **PFOS** was detected at two locations: MW-604 (5.74 J+ ng/L) and MW-701 (6.38 J+ ng/L), both below the AGQS of 15 ng/L. The MW-604 result represented a period of record maximum concentration at that location. "J+" indicates the ion transition ratio was outside of acceptance criteria and the concentration should be considered estimated with a potential high bias. The previous maximum concentration detected at MW-604 was 5.72 ng/L in July 2023.

Results for the 21 non-AGQS-regulated PFAS compounds analyzed for in April 2025 are also included in Table D.1. Non-AGQS-regulated PFAS were detected at nine of the 14 monitoring wells sampled at the site in April 2025. Consistent with recent results, 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. 6:2FTS was detected in the laboratory method blanks in both batches of PFAS samples submitted as part of the April 2025 sampling but only required addition of "B" qualifiers for detections in batch L2523604 (refer to report in Appendix F). In addition, 6:2FTS was detected in the field blank sample in batch L2523604, at a concentration of 4.01 BJ+ ng/L, slightly above the laboratory reporting limit (2.05 ng/L). The other laboratory qualifiers indicate that the concentration should be considered estimated with a potential high bias. The presence of PFAS analytes in laboratory method blanks, including 6:2FTS, will continue to be reviewed to evaluate potential artifacts of analysis.

Concentrations of non-AGQS-regulated PFAS compounds were within the range of previous results except for the following detections which represented period of record maxima at their respective locations:

- PFBA at B-932U (3.46 ng/L);
- PFHpA at B-928D (10.9 ng/L);
- PFHpA at B-932U (3.62 ng/L);
- PFHpA at B-934U (30.5 ng/L);
- PFHxA at B-932U (4.88 ng/L); and
- PFPeA at B-932U (2.85 ng/L), as discussed above.

For locations indicating a period of record maximum concentration for one or more PFAS analytes in April 2025 including B-304DR, MW-604, MW-701, B-928D, B-932U, and B-934U, based on the absence or the generally low concentrations of other leachate parameters as discussed below, the data are not consistent with a new release:

- VOCs were not detected at these six locations.

- The nitrate concentrations at B-928D and MW-701 were within the range of historical detections at these locations. Nitrate was not detected at B-304DR, B-932U, and B-934U, and MW-604 was not sampled for nitrate in April 2025.
- The COD concentration at MW-701 was within the range of historical detections at this location and was below background. The COD concentration at B-932U represented an initial detection but was also below Site background. COD was not detected at B-304DR, B-928D, and B-934U, and MW-604 was not sampled for COD in April 2025.
- The TKN concentration at B-934U was above background and represented a period of record maximum at this location; however, April 2025 represented only the second sampling round at this SSI well. TKN was not detected at B-304DR, MW-701, B-928D and B-932U, and MW-604 was not sampled for TKN in April 2025.

SURFACE WATER QUALITY RESULTS

In April 2025, VOCs were not detected in surface water samples (Main Seep [S-1] and SF-1), and results for other analytes were within the range of values recorded in the last several years (refer to Table B.3 and Appendix C.2).

- **Main Seep [S-1]:** The total iron concentration (0.26 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 (0.05 mg/L) was equal to the human health water and fish criteria (0.05 mg/L), and below both the human health fish only criteria (0.1 mg/L) and the AGQS (0.3 mg/L).
- **SF-1:** The total iron concentration (1.8 mg/L) was above 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 (0.17 mg/L) exceeded the human health water and fish criteria (0.05 mg/L), and the human health fish only criteria (0.1 mg/L), but was below the AGQS (0.3 mg/L).

The total iron and total manganese concentrations at Main Seep S-1 and SF-1 were within the range of recent results.

EVALUATION OF PRECIPITATION CONDITIONS

Data from the U.S. Drought Monitor for Grafton County and USGS Ammonoosuc River gage were reviewed to provide context for the hydrologic conditions at the time of April 2025 sampling (refer to Appendix G).

Beginning in mid-November 2024, abnormally dry conditions were indicated in up to 100% of the Grafton County. From mid-November 2024 through late March 2025, some percentage of Grafton County indicated moderate drought conditions, with a peak (100% of the county in moderate drought conditions) occurring for two weeks in early December 2024. The moderate drought conditions lessened in the beginning of April 2025. The April 2025 sampling event was performed three weeks after the moderate drought conditions ended. At the time of sampling, approximately 68% of the county was abnormally dry.

USGS Ammonoosuc River gage data indicated that average daily flows in the Ammonoosuc River at the time of sample collection in early April 2025 were generally at the low range of flows recorded in the previous four years. From mid-March to early April, the flows in the Ammonoosuc River were within the mid-range of flows recorded during this approximate interval in the previous four years. Prior to mid-March, and starting in early January, very few measurements were taken due to the presence of ice at the gage. This is in contrast to the previous four years, in which flows were generally able to be measured throughout the winter.

CLOSING

The results from the tri-annual April 2025 round indicated the following:

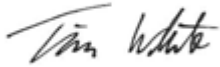
- A new detection and new background exceedance of acetone at B-930U, although the result is interpreted to be a laboratory artifact rather than an actual detection. Acetone results at the site will continue to be reviewed in future rounds.
- Two Permit monitoring wells (MW-701 [outside the GMZ and currently in assessment monitoring] and B-928D [inside the GMZ and downgradient of both the former unlined landfill and former landfill infrastructure]), and one SSI monitoring well (B-932U [located a short distance west of the GMZ boundary]) indicated initial PFAS detections below the AGQS, where applicable. Other PFAS analytes have previously been detected and are being tracked at each of these three locations.
- Other initial background exceedances and new period of record maximum values were limited to SSI wells (installed in 2024), which have relatively short periods of record.

Based on the absence or the generally low concentrations of other leachate parameters at the above-referenced monitoring wells, the data are not consistent with a new release. The absence of persistent increasing trends suggest the detections are not associated with an ongoing release from the landfill, but rather residual impacts associated with the former unlined landfill or former, now removed landfill infrastructure. Metals (e.g., iron, arsenic, and manganese) associated with mobilization by reducing conditions northeast of the landfill are consistent with historical data. Concentrations at these wells will continue to be monitored as part of tri-annual monitoring.

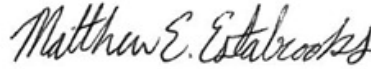
We trust that this report satisfies NHDES' requirements for the tri-annual April 2025 data transmittal of water quality monitoring results under the Permit. Except where limited instances were noted, the overall results for other analytes in the April 2025 monitoring round are generally consistent with the findings from recent tri-annual and supplemental monitoring rounds and the conceptual model of hydrogeologic conditions at the Site.

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 Marc Morgan at NCES.

Very truly yours,
SANBORN, HEAD & ASSOCIATES, INC.



Timothy M. White, P.G.
Senior Vice President



Matthew E. Estabrooks, P.E.
Senior Project Manager



Gina Panik, P.E.
Senior Project Engineer

GAP/MEE/TMW: gap/mee

TABLE

Table 1 Evaluation of Background Exceedances – Groundwater Samples – April 2025

FIGURE

Figure 1 Site Features Plan
Figure 2 Groundwater Elevation Contour Plan

APPENDICES

Appendix A – Background Groundwater Quality Information
 A.1 – Summary of Background Groundwater Quality Conditions
 A.2 – Site Background Groundwater Quality Time-Series Plots (select analytes)
 A.3 – Exploration Location Plan (with decommissioned locations)
Appendix B – Summary of Historical Monitoring Data
 B.1 – Groundwater Elevations
 B.2 – Groundwater Analytical Results
 B.3 – Surface Water Analytical Results
Appendix C – Time Series Plots
 C.1 – Groundwater Analytical Results (Field and Indicator Parameters, VOCs)
 Background Wells
 Release Detection Wells Outside the GMZ
 Release Detection Wells Inside the GMZ
 Groundwater Management Wells Inside the GMZ
 C.2 – Surface Water Analytical Results
Appendix D – PFAS Groundwater Analytical Results
 D.1 – Summary of PFAS Groundwater Analytical Results
 D.2 – PFAS Plots

Appendix E – Sanborn Head Field Sampling Summary Forms
Appendix F – Analytical Laboratory Reports
Appendix G – Precipitation Information

cc: Marc Morgan, Lindsey Menard, Bruce Grover, Sam Nicolai, Kim Crosby, NCES
Town of Bethlehem

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Table

TABLE 1
Evaluation of Background Exceedances - April 2025
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

[illegible]

TABLE 1
Evaluation of Background Exceedances - April 2025
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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
			pH	Specific Conductance	Temperature	Bromide	Chemical Oxygen Demand (COD)	Chloride	Nitrate	Total Kjeldahl Nitrogen (TKN)	Arsenic, Dissolved	Barium, Dissolved	Iron, Dissolved	Manganese, Dissolved	Nickel, Dissolved	Acetone	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) [45]	Perfluoropentanesulfonic Acid (PFPeS) [55]	Perfluorohexanesulfonic Acid (PFHxS) [65]	Perfluorooctanesulfonic Acid (PFOS) [85]	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1H,1H,2H,2H-Perfluorodecane sulfonic Acid (FOSA)	N-methyl perfluorooctane sulfonamide	N-Ethyl perfluorooctanesulfonamide	N-Methyl perfluorooctanesulfonamidoacetic Acid	Perfluorooctanesulfonamidoacetic Acid	1	2	3	4	5	6		7	8	9	10	11																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Bethlehem, New Hampshire
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Sample Location	Sample Date	Sample Type	SU	uS/cm	C	mg/L								ug/L			ng/L												Inferred Context for Background Exceedance											Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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- Notes:
1. Samples were collected by Sanborn Head on the dates indicated. Samples were analyzed by Eurofins Environment Testing – Eastern Analytical (EA; formerly Eastern Analytical, Inc.) of Concord, New Hampshire. PFAS samples were analyzed by Pace Analytical (formerly Alpha) of Mansfield, Massachusetts by USEPA Method 537 (modified) with isotope dilution.
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. "J+" indicates the ion transition ratio is outside of acceptance criteria and the concentration should be considered estimated with a potential high bias. "B" indicates the analyte was detected in the associated field blank at concentrations less than ten times (10x) the concentration in the field blank. 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 (PFSAAs). 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.

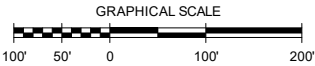
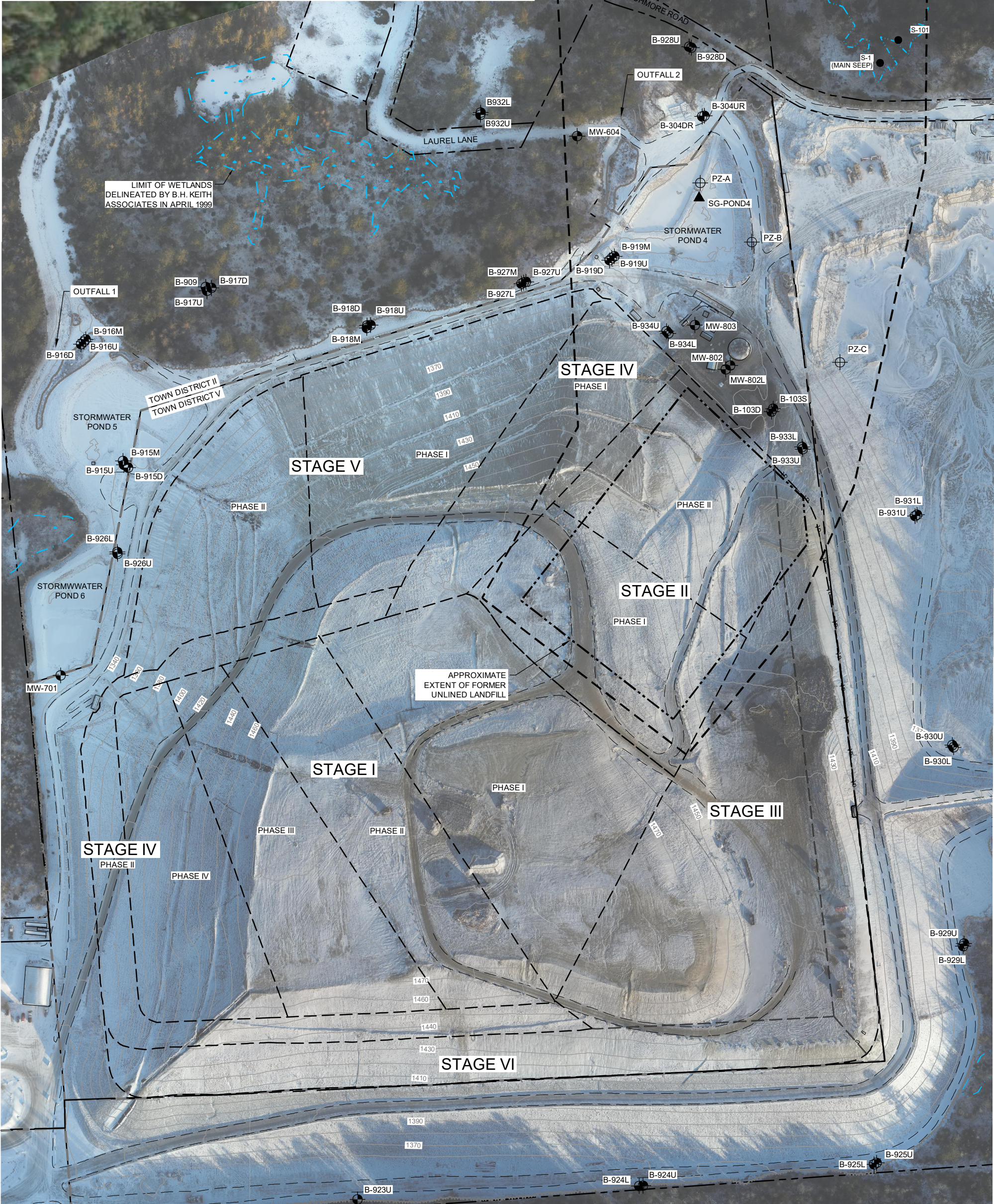
Figures

NOTES:

1. THE AERIAL IMAGERY NORTH OF THE LANDFILL AREA WAS OBTAINED FROM GOOGLE EARTH DATED OCTOBER 2022. AERIAL IMAGE INSIDE THE LANDFILL LIMIT OF WASTE WAS TAKEN ON JANUARY 6, 2025 AND PROVIDED BY CMA.
2. TOPOGRAPHY SHOWN INSIDE THE ACTIVE AREA WAS SURVEYED ON JANUARY 6, 2025 BY FIRMATEK OF SAN ANTONIO, TEXAS AND WAS COLLECTED USING AERIAL PHOTOGRAMMETRIC MAPPING TECHNIQUES. SENT TO SANBORN HEAD ON FEBRUARY 5, 2025.
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."

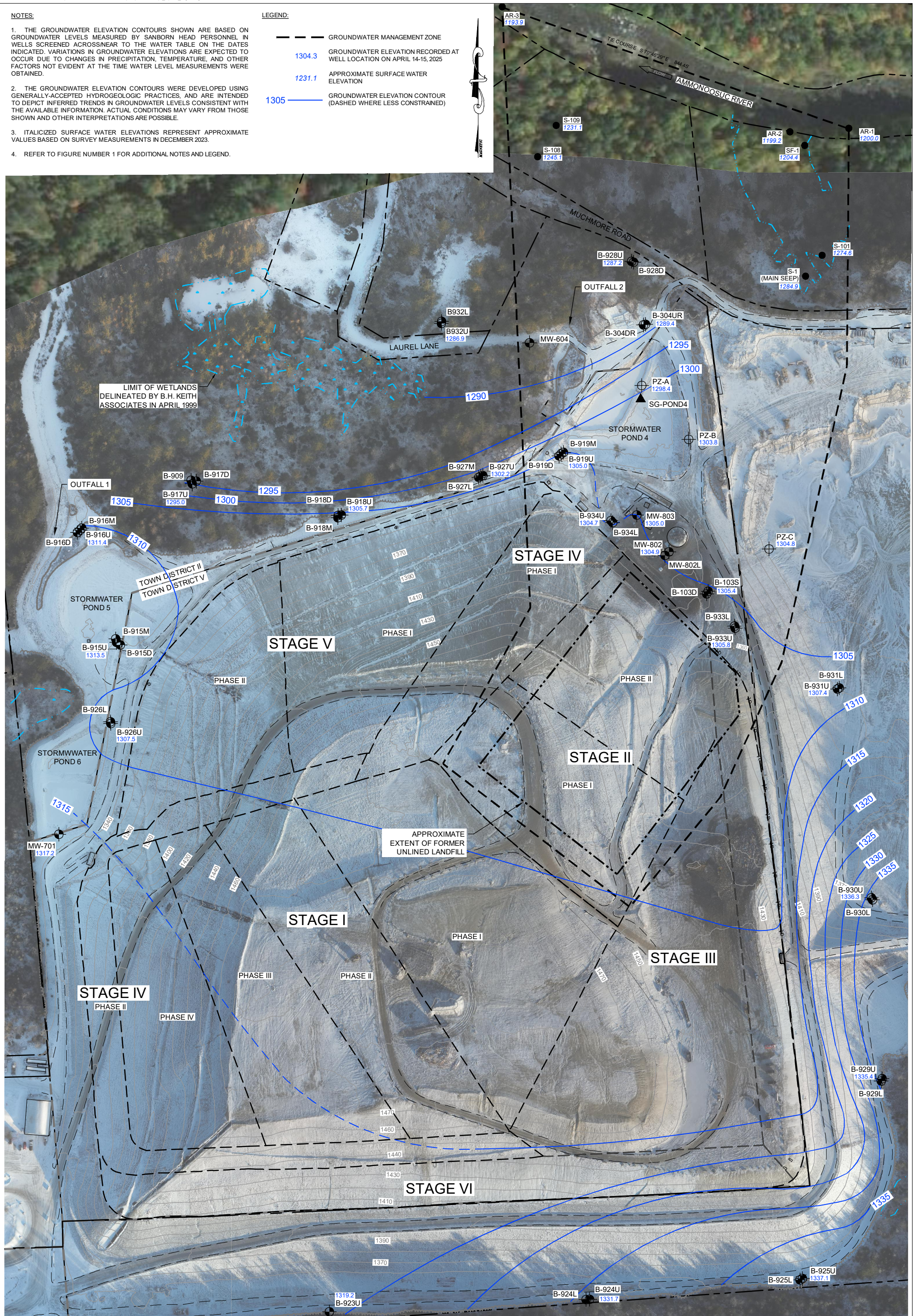
LEGEND:

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



LEGEND:

GROUNDWATER ELEVATION CONTOUR (DASHED WHERE LESS CONSTRAINED)	305
APPROXIMATE SURFACE WATER ELEVATION	1231.1
GROUNDWATER ELEVATION RECORDED AT WELL LOCATION ON APRIL 14-15, 2025	1304.3
GROUNDWATER MANAGEMENT ZONE	



Appendix A

Background Groundwater Quality Information

Appendix A.1

Summary of Background Groundwater Quality Conditions

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	04-21-20	7.96	68	6.5	<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	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-923U	11-05-24	7.46	68	7.5	<10	<0.1	<1	<0.5	<0.5	<0.05	<0.005										
B-923U	04-15-25																				
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-924U	11-05-24																				
B-924U	04-15-25	6.74	97	9.4	<10	<0.1	1	<0.5	<0.5	<0.05	<0.005										
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-924L	11-05-24																				
B-924L	04-15-25																				
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																				

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	NS
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	<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	<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	<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	<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	<1	<2		<1	<0.5		<1	<1	<1	<1	<2	<1	<1	<0.5
B-923U	07-23-24																																	
B-923U	11-05-24	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<1	<2		<1	<0.5		<1	<1	<1	<1	<2	<1	<1	<0.5
B-923U	04-15-25																																	
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	<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	<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	<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	<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-924U	11-05-24																																	
B-924U	04-15-25	<10	<1	<1	<1	<0.5	<2	<2	<10	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<1	<2		<1	<0.5		<1	<1	<1	<1	<2	<1	<1	<0.5
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	<1	<2	<0.02	<1	<0.5	<0.02								

Permit No. GWP-198704033-B-008

Selected Background Concentration

[illegible]

Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

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

[illegible]

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	NS
SMCL		NS	NS	NS	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
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	<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	<1.97
B-923U	11-05-24																				
B-923U	04-15-25																				
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	<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	<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-924U	11-05-24																				
B-924U	04-15-25																				
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-924L	11-05-24																				
B-924L	04-15-25																				
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	<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</																				

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	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-923U	11-05-24						
B-923U	04-15-25						
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-924U	11-05-24						
B-924U	04-15-25						
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-924L	11-05-24						
B-924L	04-15-25						
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-925U	11-05-24						
B-925U	04-15-25						
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-925L	11-05-24						
B-925L	04-15-25						
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-929U	11-05-24						
B-929U	04-15-25						
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						
B-929L	11-05-24						
B-929L	04-15-25						
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 (PFSA_s). 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.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 (i.e., data collected since April 21, 2020). 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 – April 2025 Reporting Period

Sitewide background values for the April 2025 reporting period remained the same as those from the November 2024 reporting period.

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 8.6 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

<u>Category/ Location</u>	<u>Description</u>
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).
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, or reducing conditions created by the lined landfill.
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

<u>Category/ Location</u>	<u>Description</u>
	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.
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.

Anticipated Release Condition		Rationale
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).

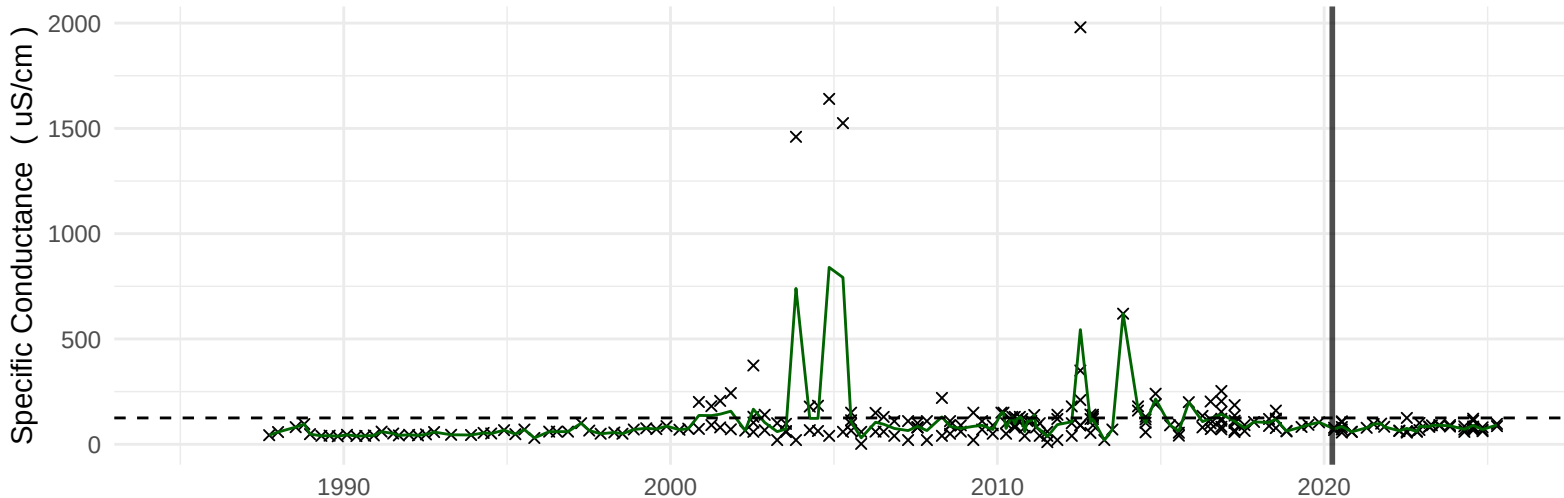
This list is not intended to address every possible hypothetical release from the lined facility, but rather serve as a basis for preliminary screening of data from the facility to supplement the existing Permit monitoring and reporting. This screening will focus on analytes in groundwater detected at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

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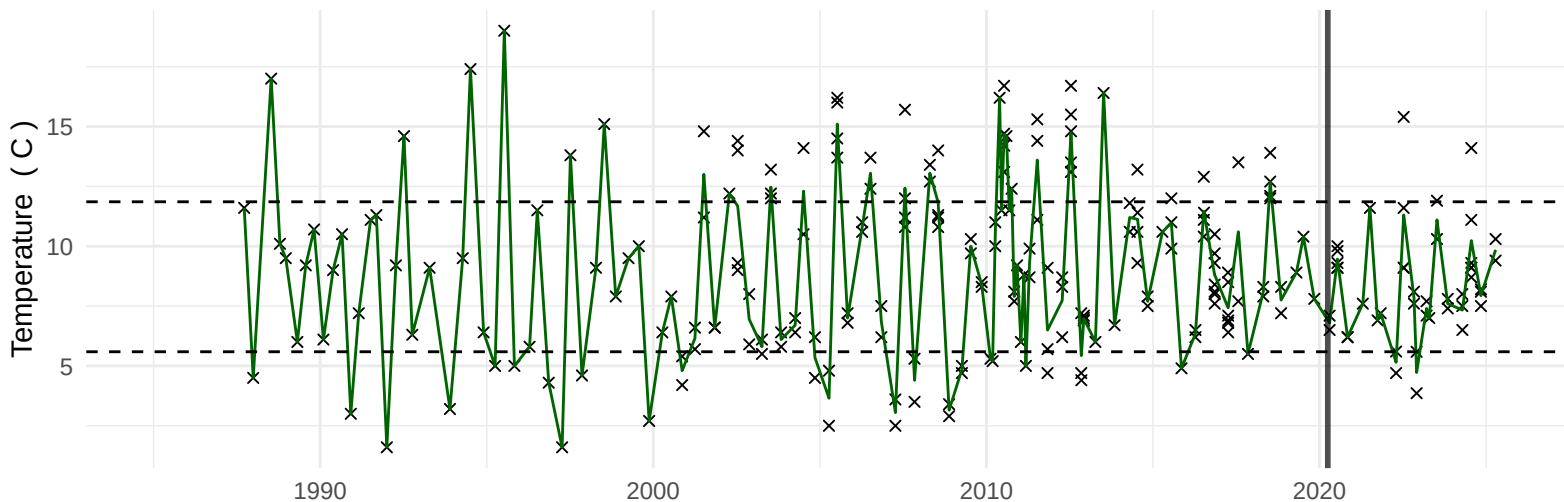
Appendix A.2

Site Background Groundwater Quality Time-Series Plots

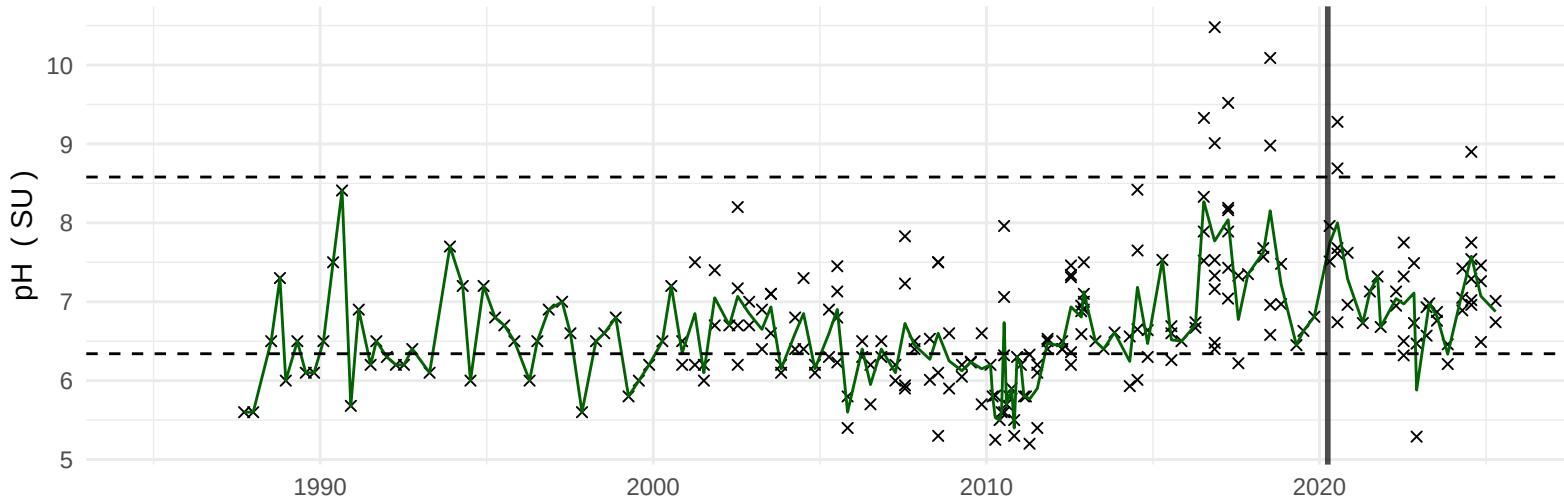
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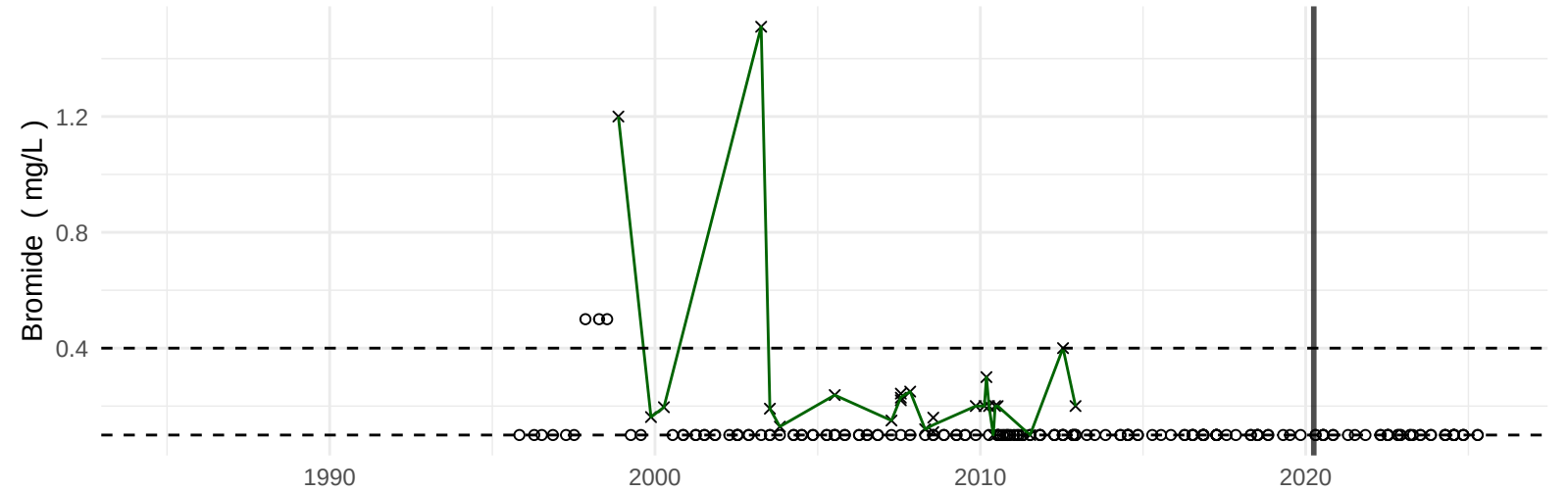
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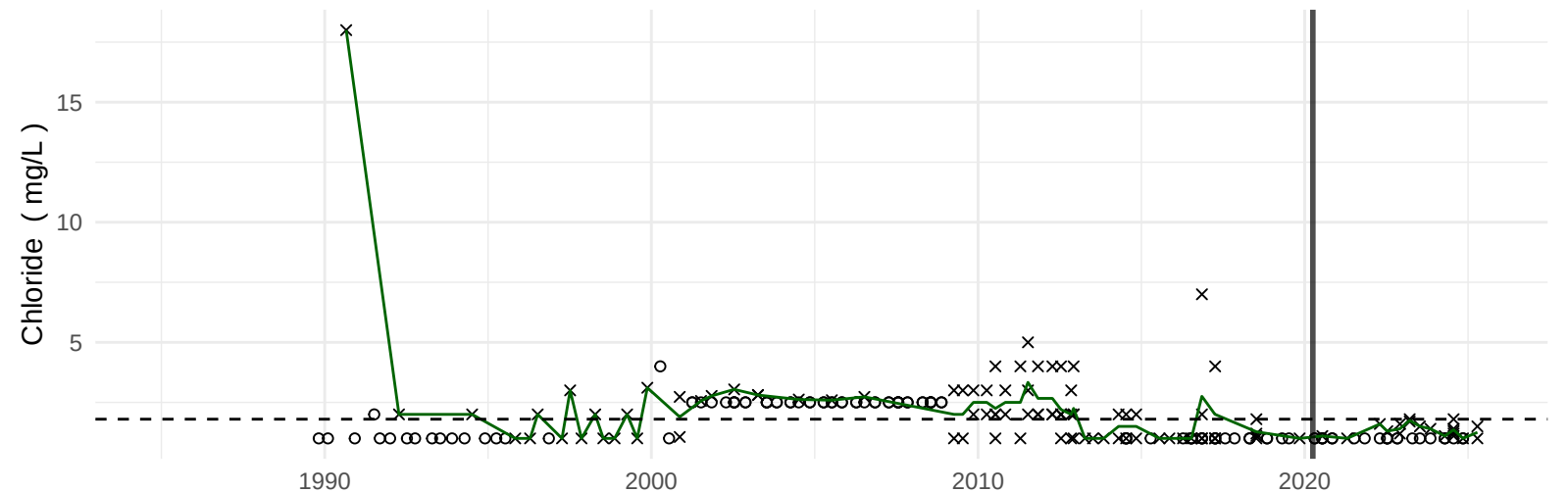
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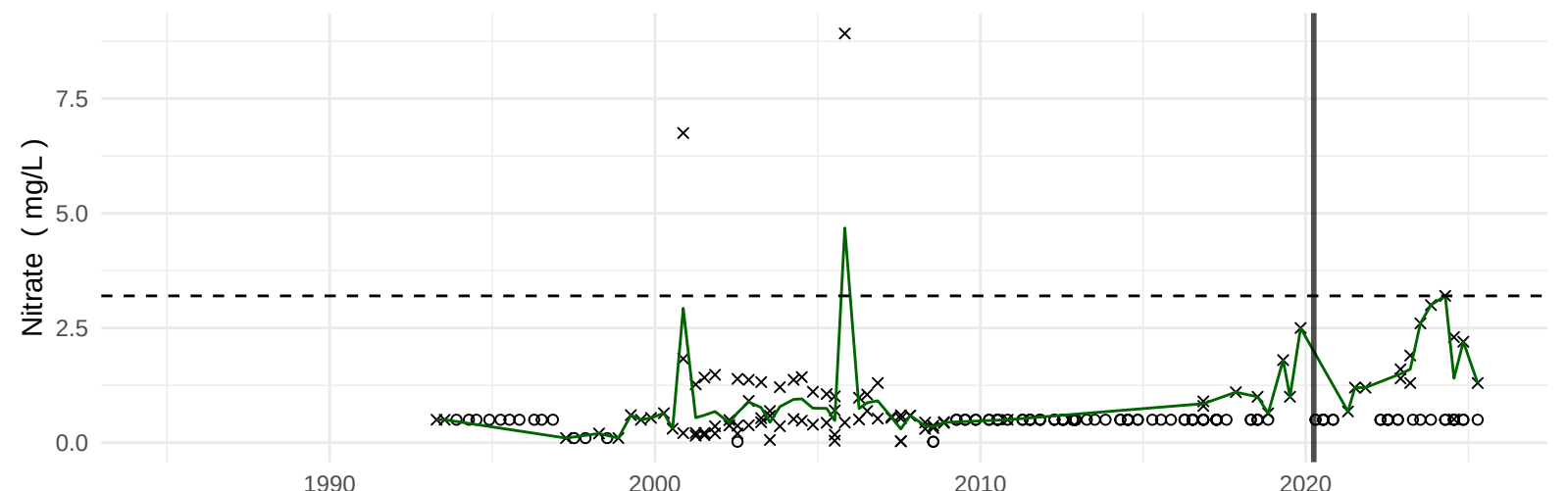
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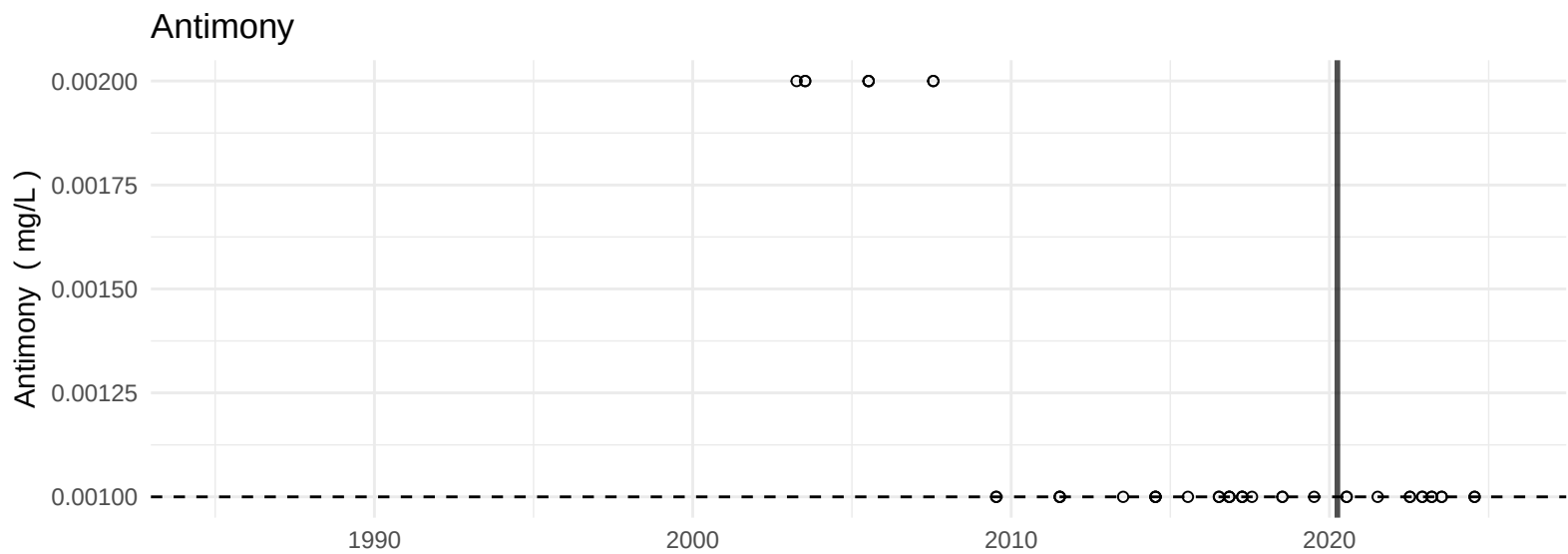
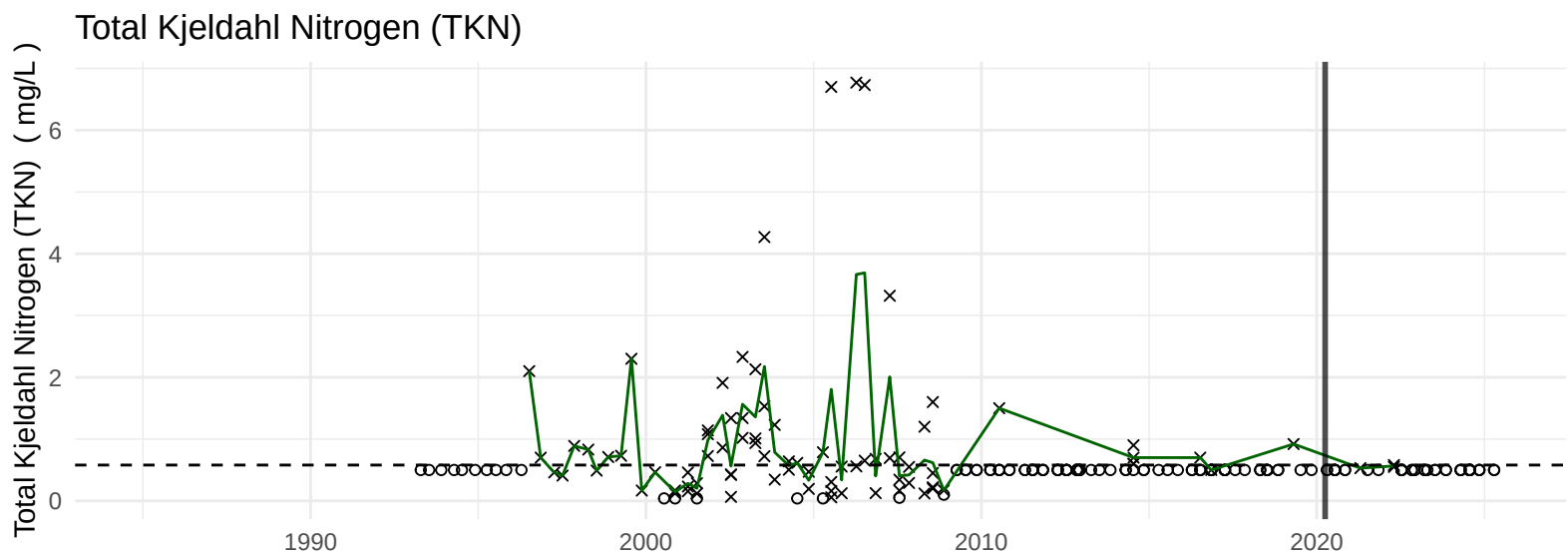
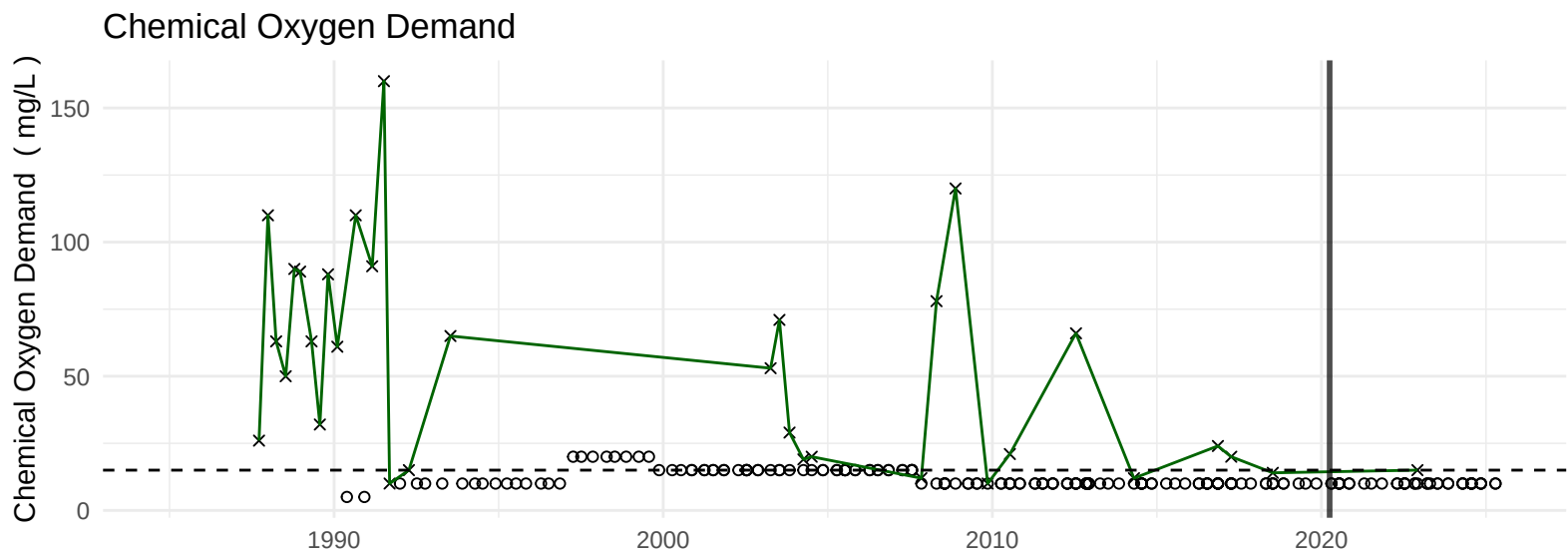


Chloride

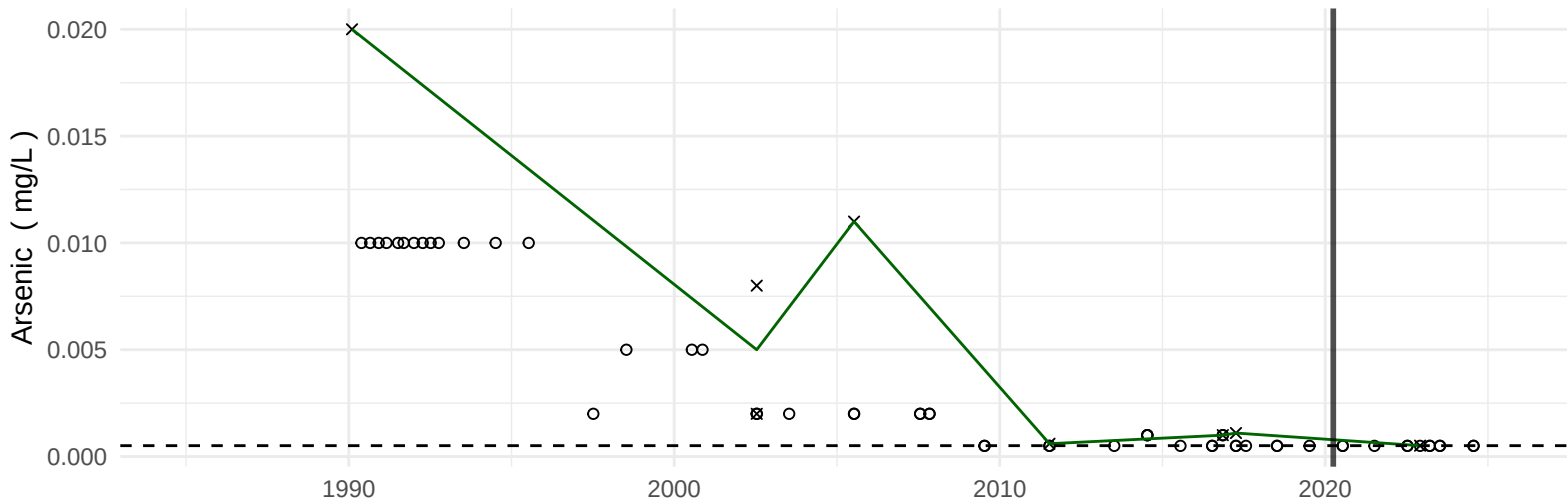


Nitrate

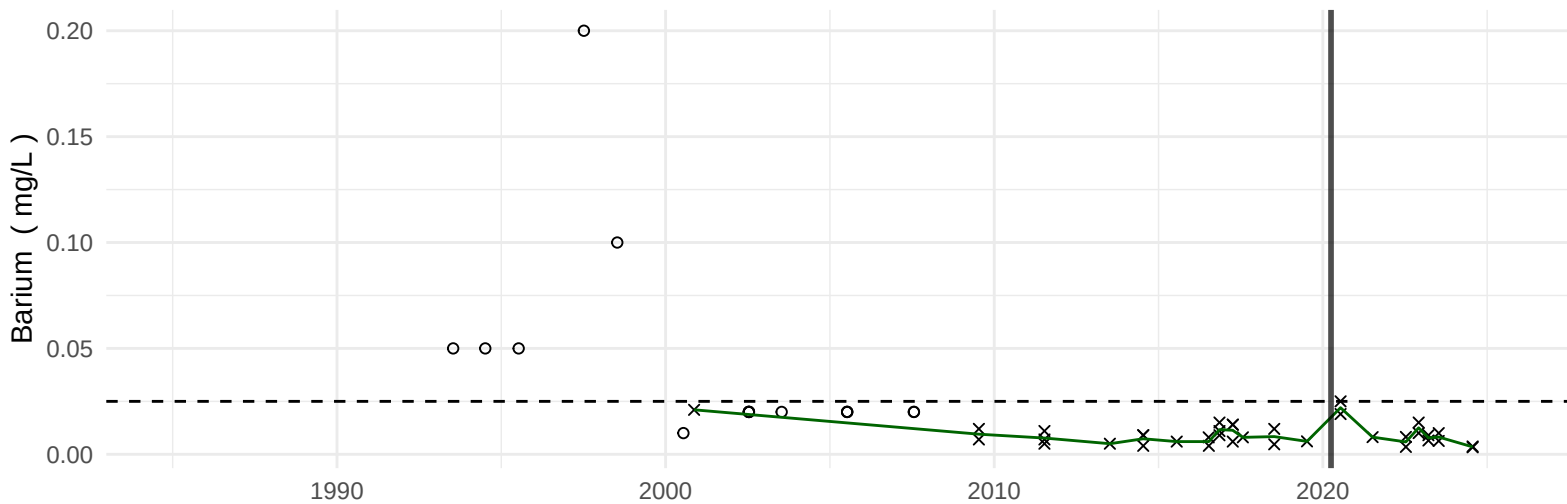




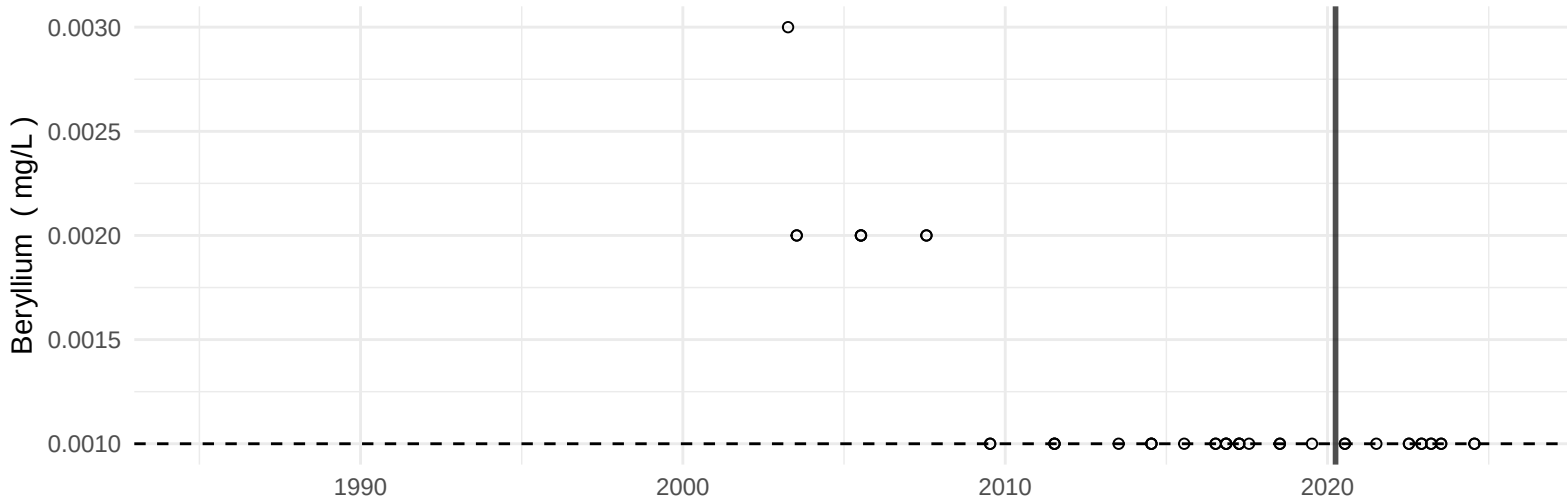
Arsenic



Barium



Beryllium

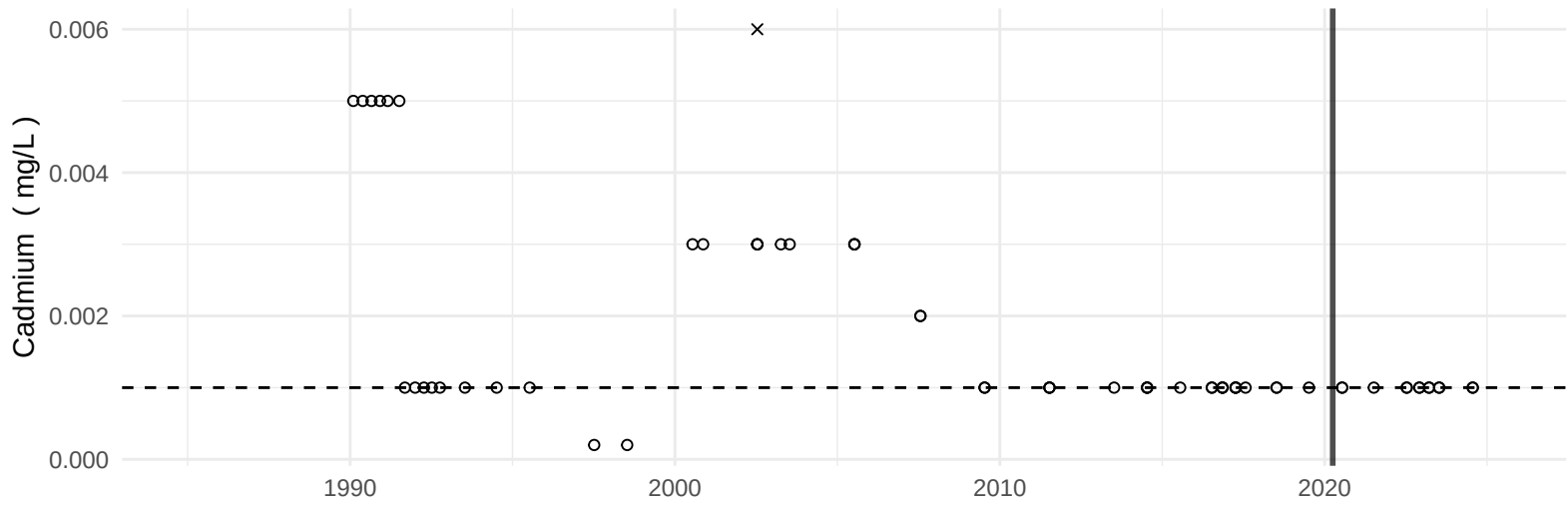


Start of Current Background Period

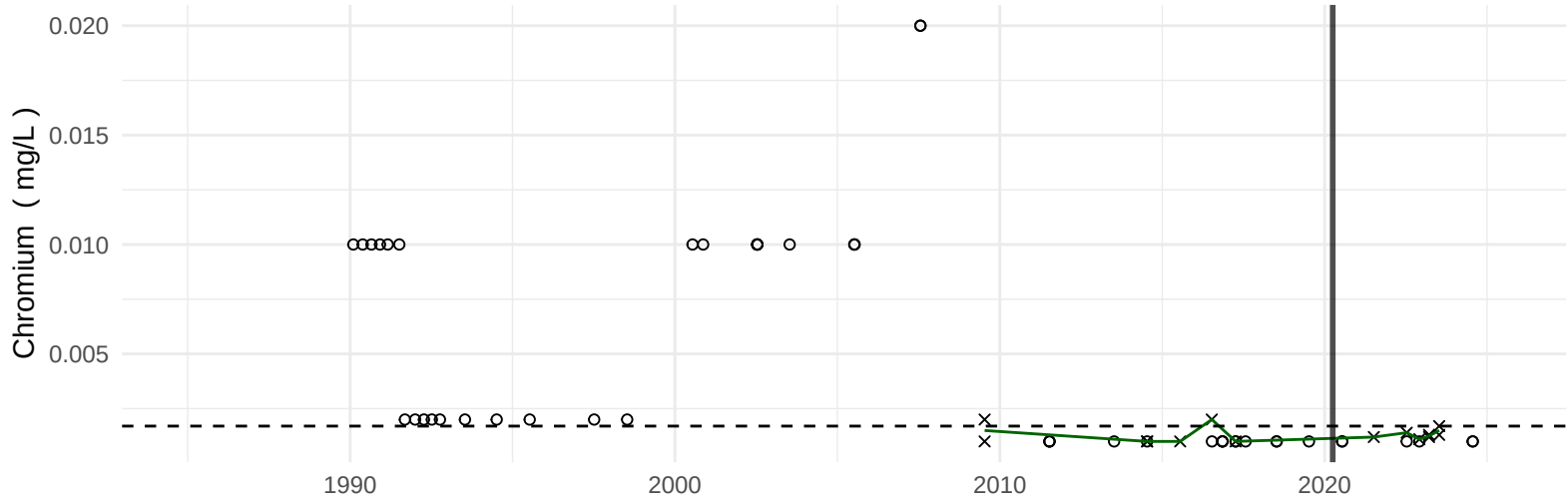
-- Background Level

○ Non-Detect

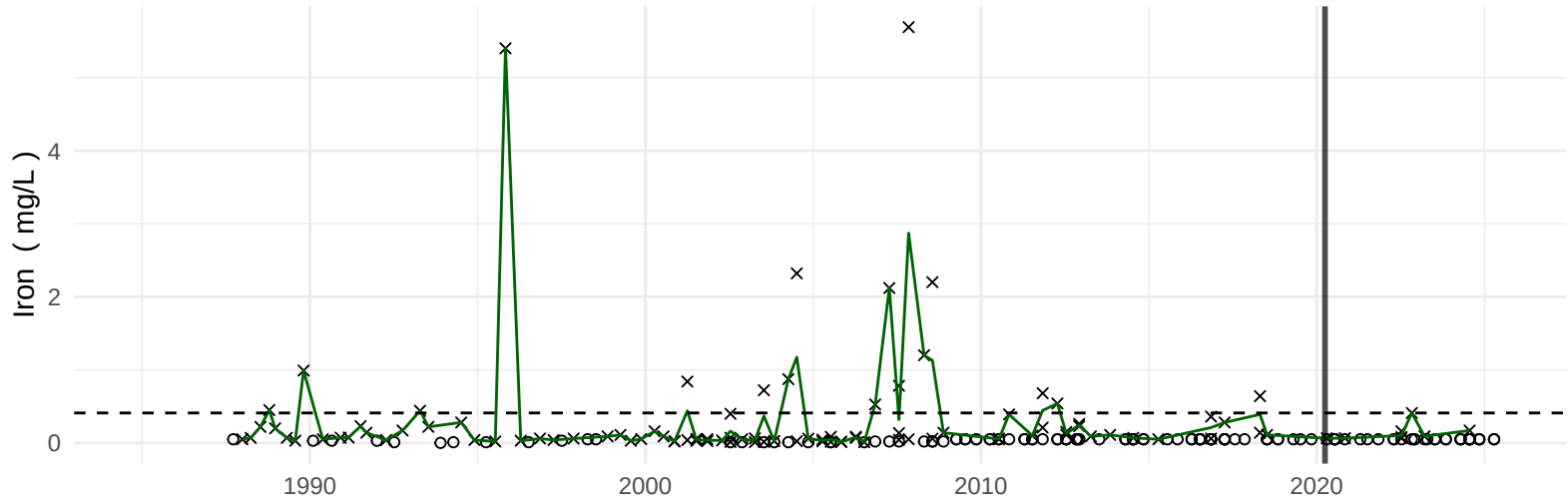
Cadmium



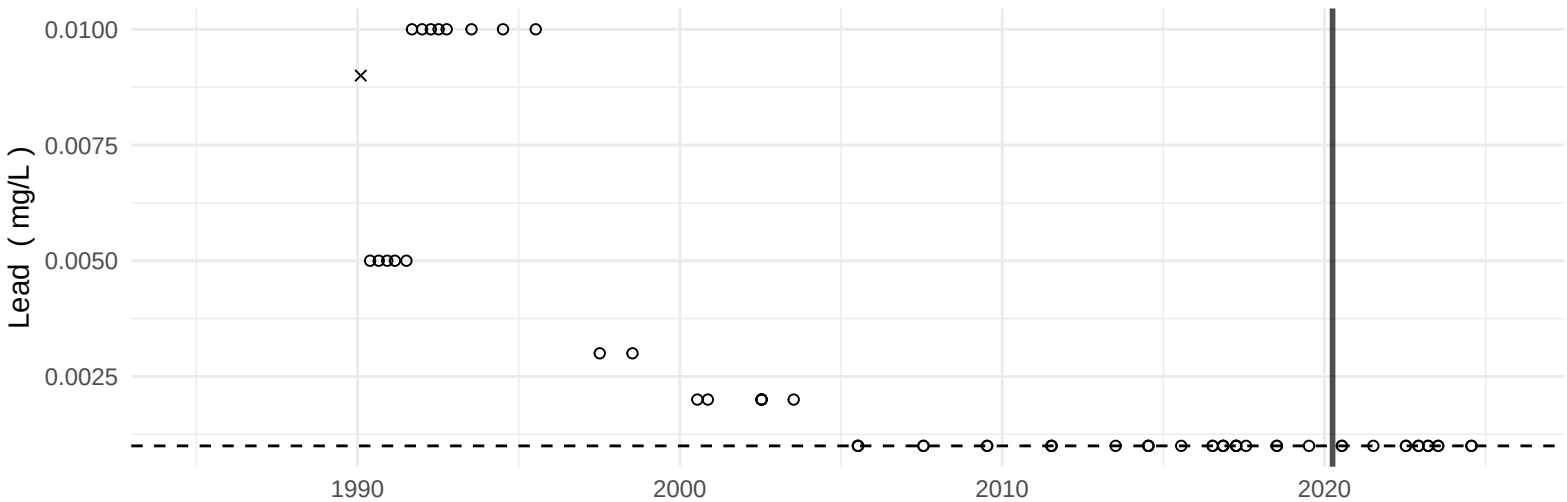
Chromium



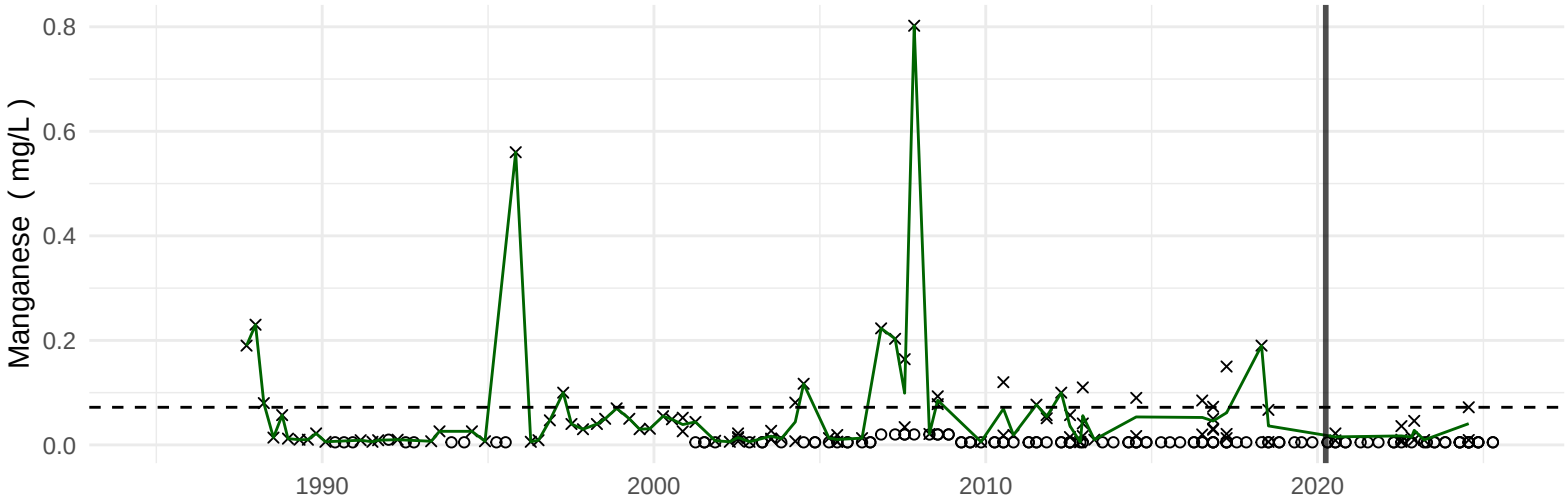
Iron



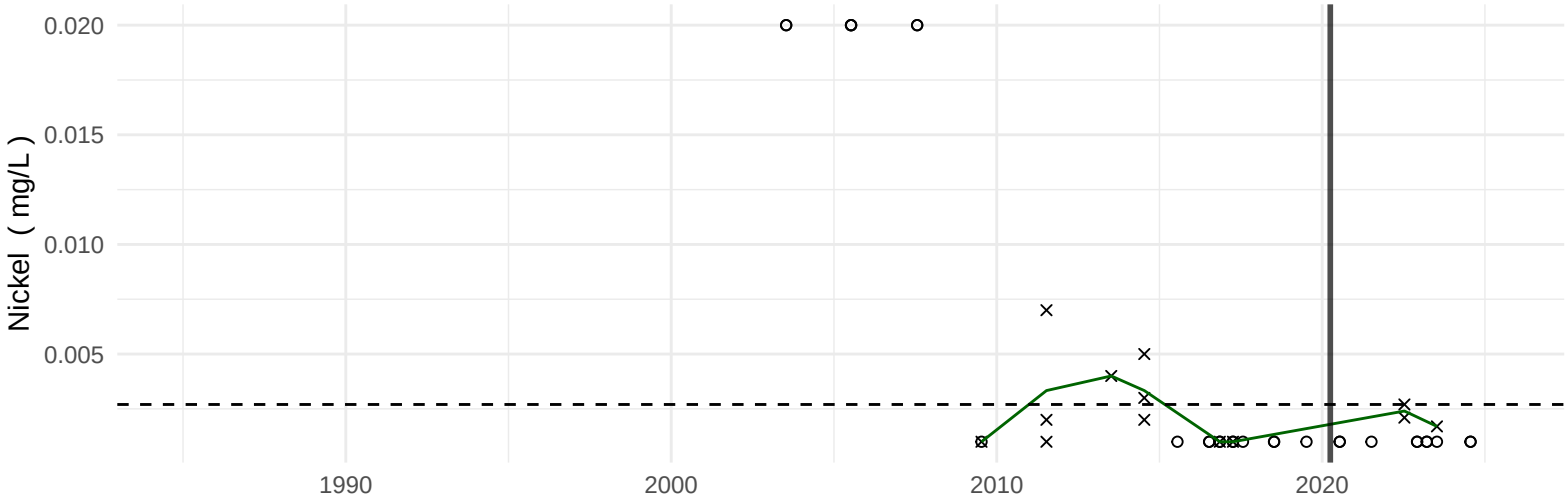
Lead



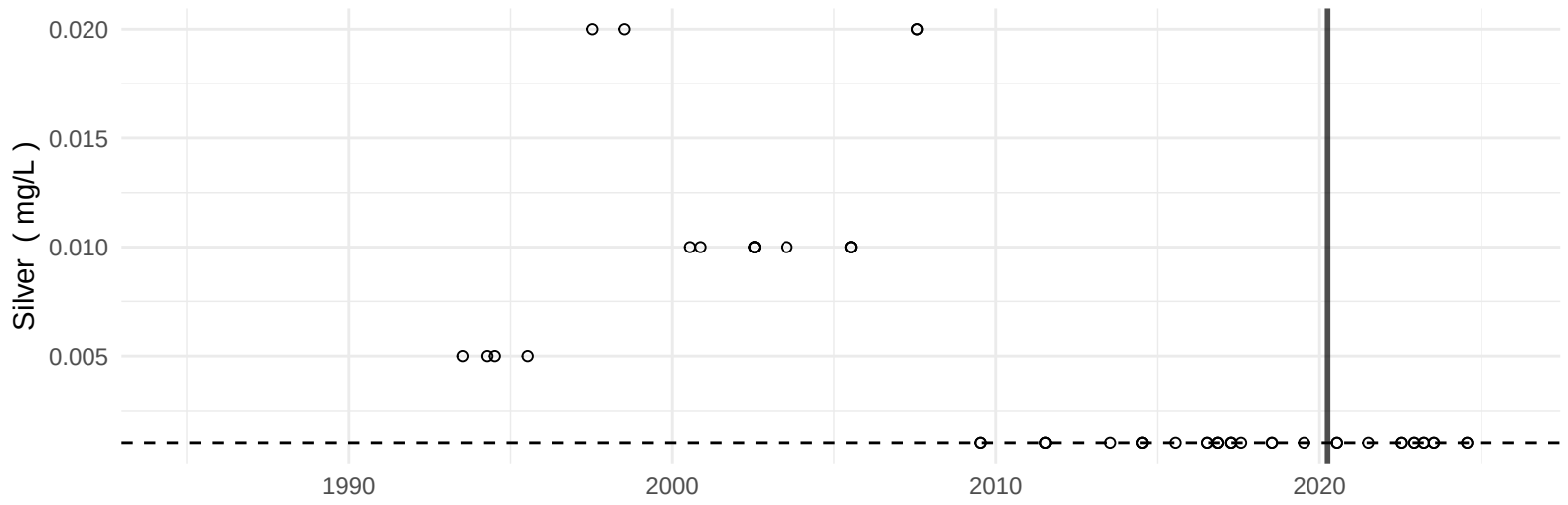
Manganese



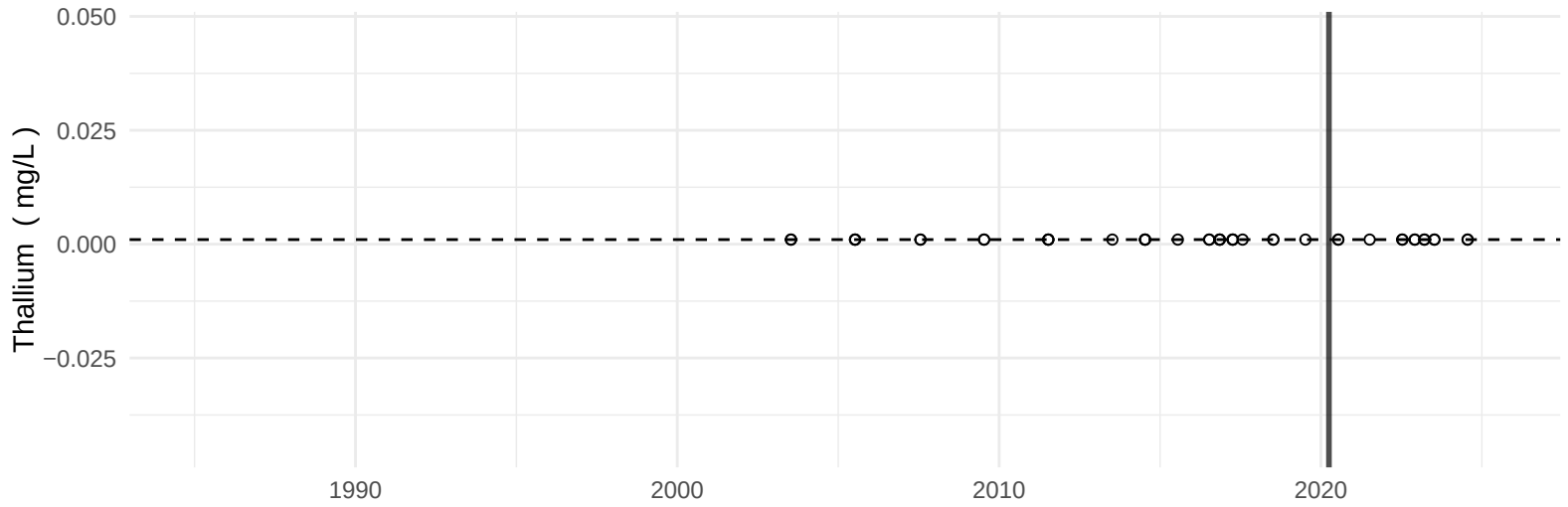
Nickel



Silver



Thallium



Start of Current Background Period



Background Level



Non-Detect

Appendix A.3

Exploration Location Plan (with decommissioned locations)

Appendix B

Summary of Historical Monitoring Data

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-008

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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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-103S	09-03-2024	1357.64	TPVC	51.25	1306.39
B-103S	11-04-2024	1357.64	TPVC	51.83	1305.81
B-103S	04-14-2025	1357.64	TPVC	52.20	1305.44
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
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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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-103D	11-04-2024	1358.61	TPVC	53.34	1305.27
B-103D	04-14-2025	1358.61	TPVC	53.79	1304.82
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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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
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-304UR	08-22-2024	1338.44	TPVC	47.23	1291.21
B-304UR	11-04-2024	1338.44	TPVC	48.52	1289.92
B-304UR	11-06-2024	1338.44	TPVC	48.53	1289.91
B-304UR	04-14-2025	1338.44	TPVC	49.02	1289.42
B-304UR	04-16-2025	1338.44	TPVC	48.94	1289.50
B-304DR	04-06-2009	1338.37	TPVC	47.03	1291.34

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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
B-304DR	08-22-2024	1338.24	TPVC	46.64	1291.60
B-304DR	11-04-2024	1338.24	TPVC	47.58	1290.66
B-304DR	11-06-2024	1338.24	TPVC	47.36	1290.88
B-304DR	04-14-2025	1338.24	TPVC	48.23	1290.01
B-304DR	04-16-2025	1338.24	TPVC	48.11	1290.13
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-604	08-22-2024	1319.83	TPVC	39.80	1280.03
MW-604	11-04-2024	1319.83	TPVC	43.22	1276.61

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
MW-604	11-06-2024	1319.83	TPVC	40.28	1279.55
MW-604	04-14-2025	1319.83	TPVC	41.14	1278.69
MW-604	04-16-2025	1319.83	TPVC	41.14	1278.69
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
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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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-701	11-04-2024	1331.63	TPVC	15.07	1316.56
MW-701	01-16-2025	1331.63	TPVC	15.16	1316.47
MW-701	04-15-2025	1331.63	TPVC	14.47	1317.16
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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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-802	11-04-2024	1350.55	TPVC	45.26	1305.29
MW-802	04-14-2025	1350.55	TPVC	45.70	1304.85
MW-802L	11-22-2024	1350.15	TPVC	50.59	1299.56
MW-802L	12-10-2024	1350.15	TPVC	51.00	1299.15
MW-802L	04-14-2025	1350.15	TPVC	51.45	1298.70
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
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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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
MW-803	09-03-2024	1346.38	TPVC	40.39	1305.99
MW-803	11-04-2024	1346.38	TPVC	40.93	1305.45
MW-803	04-14-2025	1346.38	TPVC	41.36	1305.02
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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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-915U	11-05-2024	1338.20	TPVC	25.06	1313.14
B-915U	04-15-2025	1338.20	TPVC	24.66	1313.54
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
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-915M	11-05-2024	1338.09	TPVC	31.21	1306.88
B-915M	04-15-2025	1338.09	TPVC	31.92	1306.17

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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-915D	11-05-2024	1338.16	TPVC	30.83	1307.33
B-915D	04-15-2025	1338.16	TPVC	31.57	1306.59
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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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
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-916U	11-05-2024	1323.76	TPVC	16.52	1307.24
B-916U	04-15-2025	1323.76	TPVC	12.34	1311.42
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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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-916M	11-05-2024	1323.91	TPVC	42.06	1281.85
B-916M	04-15-2025	1323.91	TPVC	42.69	1281.22
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
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-916D	11-05-2024	1323.99	TPVC	52.14	1271.85

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-916D	04-15-2025	1323.99	TPVC	52.71	1271.28
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-917U	11-05-2024	1325.14	TPVC	30.68	1294.46
B-917U	04-15-2025	1325.14	TPVC	30.13	1295.01
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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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-909	11-05-2024	1325.50	TPVC	32.15	1293.35
B-909	04-15-2025	1325.50	TPVC	32.33	1293.17
B-917D	01-24-2012	1325.36	TPVC	29.94	1295.42
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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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-917D	11-05-2024	1325.36	TPVC	30.22	1295.14
B-917D	04-15-2025	1325.36	TPVC	30.89	1294.47
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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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-918U	11-04-2024	1330.59	TPVC	25.08	1305.51
B-918U	04-15-2025	1330.59	TPVC	24.85	1305.74
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
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-918M	11-04-2024	1330.23	TPVC	24.48	1305.75
B-918M	01-16-2025	1330.23	TPVC	24.93	1305.30
B-918M	04-15-2025	1330.23	TPVC	24.92	1305.31

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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-918D	11-04-2024	1330.57	TPVC	34.45	1296.12
B-918D	04-15-2025	1330.57	TPVC	35.21	1295.36
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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-919U	04-07-2010	1344.27	TPVC	38.28	1305.99
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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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-919U	08-22-2024	1344.27	TPVC	38.17	1306.10
B-919U	11-04-2024	1344.27	TPVC	38.47	1305.80
B-919U	11-06-2024	1344.27	TPVC	38.47	1305.80
B-919U	04-14-2025	1344.27	TPVC	39.32	1304.95
B-919U	04-16-2025	1344.27	TPVC	39.25	1305.02
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
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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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-919M	08-22-2024	1344.06	TPVC	49.90	1294.16
B-919M	11-04-2024	1344.06	TPVC	50.53	1293.53
B-919M	11-06-2024	1344.06	TPVC	50.30	1293.76
B-919M	04-14-2025	1344.06	TPVC	51.35	1292.71
B-919M	04-16-2025	1344.06	TPVC	51.36	1292.70
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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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-919D	11-04-2024	1344.13	TPVC	50.48	1293.65
B-919D	04-14-2025	1344.13	TPVC	51.39	1292.74
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
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-923U	11-05-2024	1357.38	TPVC	37.56	1319.82
B-923U	04-15-2025	1357.38	TPVC	38.17	1319.21
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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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-924U	11-05-2024	1362.00	TPVC	27.68	1334.32
B-924U	04-15-2025	1362.00	TPVC	30.30	1331.70
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-924L	11-05-2024	1361.25	TPVC	42.34	1318.91
B-924L	04-15-2025	1361.25	TPVC	43.13	1318.12
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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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
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-925U	11-05-2024	1365.00	TPVC	26.31	1338.69
B-925U	04-15-2025	1365.00	TPVC	27.93	1337.07
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

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-925L	07-23-2024	1365.05	TPVC	44.81	1320.24
B-925L	11-05-2024	1365.05	TPVC	45.18	1319.87
B-925L	04-15-2025	1365.05	TPVC	45.91	1319.14
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-926U	11-05-2024	1332.47	TPVC	25.19	1307.28
B-926U	04-15-2025	1332.47	TPVC	24.96	1307.51
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
B-926L	07-23-2024	1332.68	TPVC	31.45	1301.23
B-926L	11-05-2024	1332.68	TPVC	31.17	1301.51

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
B-926L	04-15-2025	1332.68	TPVC	30.88	1301.80
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-927U	11-04-2024	1345.58	TPVC	42.62	1302.96
B-927U	04-14-2025	1345.58	TPVC	43.42	1302.16
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-927M	11-04-2024	1345.59	TPVC	45.81	1299.78
B-927M	04-14-2025	1345.59	TPVC	47.07	1298.52
B-927L	11-07-2017	1345.61	TPVC	54.52	1291.09

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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-927L	11-04-2024	1345.61	TPVC	53.59	1292.02
B-927L	04-14-2025	1345.61	TPVC	54.38	1291.23
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-928U	11-04-2024	1333.75	TPVC	45.72	1288.03
B-928U	04-14-2025	1333.75	TPVC	46.60	1287.15
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
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-928D	11-04-2024	1334.12	TPVC	49.96	1284.16
B-928D	04-14-2025	1334.12	TPVC	50.80	1283.32

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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-929U	11-05-2024	1376.06	TPVC	38.12	1337.94
B-929U	04-15-2025	1376.06	TPVC	40.69	1335.37
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-929L	11-05-2024	1375.99	TPVC	46.19	1329.80
B-929L	04-15-2025	1375.99	TPVC	47.92	1328.07
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-930U	11-05-2024	1376.69	TPVC	39.44	1337.25
B-930U	04-15-2025	1376.69	TPVC	40.38	1336.31
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-930L	11-05-2024	1376.93	TPVC	65.89	1311.04
B-930L	04-15-2025	1376.93	TPVC	66.82	1310.11
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-931U	11-05-2024	1331.86	TPVC	24.07	1307.79
B-931U	04-15-2025	1331.86	TPVC	24.47	1307.39
B-931L	11-02-2022	1332.07	TPVC	27.67	1304.40

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

Location	Date	Reference Elevation (ft)	Reference Point	Depth to Water (ft)	Water Level Elevation (ft)
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-931L	11-05-2024	1332.07	TPVC	24.44	1307.63
B-931L	04-15-2025	1332.07	TPVC	25.24	1306.83
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-932U	11-04-2024	1294.08	TPVC	8.31	1285.77
B-932U	11-06-2024	1294.08	TPVC	8.27	1285.81
B-932U	04-14-2025	1294.08	TPVC	7.22	1286.86
B-932L	07-02-2024	1294.69	TPVC	15.50	1279.19
B-932L	07-22-2024	1294.69	TPVC	16.70	1277.99
B-932L	11-04-2024	1294.69	TPVC	17.21	1277.48
B-932L	11-06-2024	1294.69	TPVC	17.11	1277.58
B-932L	04-14-2025	1294.69	TPVC	17.81	1276.88
B-933U	11-22-2024	1370.48	TPVC	64.51	1305.97
B-933U	12-10-2024	1370.48	TPVC	64.80	1305.68
B-933U	04-14-2025	1370.48	TPVC	64.64	1305.84
B-933L	11-22-2024	1370.14	TPVC	64.97	1305.17
B-933L	12-10-2024	1370.14	TPVC	65.34	1304.80
B-933L	04-14-2025	1370.14	TPVC	65.58	1304.56
B-934U	11-22-2024	1346.62	TPVC	41.75	1304.87
B-934U	12-10-2024	1346.62	TPVC	41.96	1304.66
B-934U	04-14-2025	1346.62	TPVC	41.94	1304.68
B-934L	11-22-2024	1346.82	TPVC	50.48	1296.34
B-934L	12-10-2024	1346.82	TPVC	50.90	1295.92
B-934L	04-14-2025	1346.82	TPVC	51.47	1295.35

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	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	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	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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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	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	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	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-103S	09-03-2024	N	1306.39	6.56	218	16.5																				
B-103S	11-04-2024	N	1305.81	6.85	110	12	<0.1	3.1	<0.5		<10	<0.5							7.3			1.6				
B-103S	04-14-2025	N	1305.44	7.01	156	14	<0.1	4.9	<0.5		<10	<0.5							11			2.5				
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	

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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	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	11-24-1993	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		
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					

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	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	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					
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			N																
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					

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	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	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																							
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-103D	11-04-2024	N	1305.27	6.84	100	12.1	<0.1	2.3	<0.5		<10	<0.5						4			1.2					
B-103D	04-14-2025	N	1304.82	7.03	102	14.3	<0.1	2.7	<0.5		<10	<0.5						3.3			1.1					
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																			

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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	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	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																			
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				

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	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	03-17-2021	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	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	
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-304UR	08-22-2024	N	1291.21																							
B-304UR	08-22-2024	N	1291.20																							
B-304UR	11-04-2024	N	1289.92	6.66	486	10.7	<0.1	22	8.7		<10	<0.5						<0.05			<0.005					
B-304UR	11-06-2024	N	1289.91																							
B-304UR	04-14-2025	N	1289.42	6.8	278	13.4	<0.1	14	2.4		<10	<0.5						<0.05			<0.005					
B-304UR	04-16-2025	N	1289.50																							
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					

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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	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	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					
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					

TABLE B.2
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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	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	04-18-2023	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																							
B-304DR	08-22-2024	N	1291.60																							
B-304DR	08-22-2024	N	1291.65																							
B-304DR	11-04-2024	N	1290.66	6.56	237	13.5	<0.1	17	<0.5		<10	<0.5						<0.05			2.3					
B-304DR	11-04-2024	FD					<0.1	11	<0.5		<10	<0.5						<0.05			2.2					
B-304DR	11-06-2024	N	1290.88																							
B-304DR	04-14-2025	N	1290.01	6.65	257	16.8	<0.1	16	<0.5		<10	<0.5						<0.05			2.6					
B-304DR	04-14-2025	FD					<0.1	15	<0.5		<10	<0.5						<0.05			2.6					
B-304DR	04-16-2025	N	1290.13																							
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					

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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	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	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																							
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	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				N																
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-604	08-22-2024	N	1280.03																							
MW-604	08-22-2024	N	1280.02							N																
MW-604	11-04-2024	N	1276.61	6.78	191	10.4																				
MW-604	11-06-2024	N	1279.55																							
MW-604	04-14-2025	N	1278.69	7.18	179	10.1																				
MW-604	04-16-2025	N	1278.69																							
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

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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	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	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					
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					

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	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	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					
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-701	11-04-2024	N	1316.56	6.64	186	10.4	<0.1	2.7	<0.5	12	<10	<0.5						<0.05			0.55					
MW-701	01-16-2025	N	1316.47	7.14	245	6.5	<0.1	7.1	<0.5	16	<10	0.94						<0.05			1.2					
MW-701	04-15-2025	N	1317.16	6.75	211	9.6	<0.1	12	0.56	25	11	<0.5						<0.05			0.96					
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				

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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	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	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					
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																			

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	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	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			N																
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					
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	N	<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-802	11-04-2024	N	1305.29	6.18	332	14.5	0.14	24	<0.5		16	<0.5		0.0085				7.4			5.3					
MW-802	04-14-2025	N	1304.85	6.27	218	16.9	<0.1	10	<0.5		18	<0.5		0.0084				2.9			2.2					
MW-802L	11-22-2024	N	1299.56																							
MW-802L	12-10-2024	N	1299.15	7.4	205	13.1	<0.1	9.5	<0.5	3.7	<10	<0.5	<0.001	0.0005	0.014	<0.001	<0.001	<0.001	0.35		<0.001	0.37		0.0014	<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	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	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-802L	04-14-2025	N	1298.70	7.26	200	15.4	<0.1	9.4	<0.5	3.7	<11	<0.5	<0.001	<0.001	0.01	<0.001^+	<0.001	<0.001	0.29		<0.001	0.39		<0.001	<0.001	
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					
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					

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	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	07-08-2013	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				
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	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	13	<0.5		52	1.5		0.067					57			6.4				

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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	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	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					
MW-803	09-03-2024	N	1305.99	6.33	505	18																				
MW-803	11-04-2024	N	1305.45	6.37	449	16.4	0.18	8.2	<0.5		90	2.6		0.057				59			6.9					
MW-803	11-04-2024	FD					0.19	7.7	<0.5		100	2.8		0.057				59			6.9					
MW-803	04-14-2025	N	1305.02	6.45	423	17.3	0.14	7	<0.5		76	2.4		0.063				57			5.8					
MW-803	04-14-2025	FD					0.13	7.5	<0.5		68	2.3		0.059				56			5.8					
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	
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					

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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	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	11-06-2018	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-915U	11-05-2024	N	1313.14	6.24	184	9.9	<0.1	7.8	0.59		<10	<0.5						<0.05			<0.005					
B-915U	04-15-2025	N	1313.54	6.66	187	10.2	<0.1	10	0.61		<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					
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					

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	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	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-915M	11-05-2024	N	1306.88	6.34	259	8.2	<0.1	39	0.55		<10	<0.5						<0.05			<0.005					
B-915M	04-15-2025	N	1306.17	6.46	282	9.5	<0.1	43	0.67		<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																				
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																							

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	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	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-915D	11-05-2024	N	1307.33																							
B-915D	04-15-2025	N	1306.59																							
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	
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				

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	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	11-02-2020	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-916U	11-05-2024	N	1307.24	5.93	63	10.8	<0.1	<1	<0.5		<10	<0.5						<0.05			0.0055					
B-916U	04-15-2025	N	1311.42	6.24	75	8.4	<0.1	1.8	<0.5		<10	<0.5						<0.05			0.0057					
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					
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					

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	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	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-916M	11-05-2024	N	1281.85	6.22	229	8.7	<0.1	34	0.54		<10	<0.5						<0.05			<0.005					
B-916M	04-15-2025	N	1281.22	6.44	236	8.6	<0.1	30	0.63		<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																							

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	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	11-02-2021	N	1269.89																							
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-916D	11-05-2024	N	1271.85																							
B-916D	04-15-2025	N	1271.28																							
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					

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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	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	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						
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-917U	11-05-2024	N	1294.46	6.94	46	8.2	<0.1	<1	<0.5		<10	<0.5						<0.05			<0.005					
B-917U	04-15-2025	N	1295.01	7.18	48	8.5	<0.1	1.1	<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					

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	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-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					
B-909	11-05-2024	N	1293.35	6.81	94	8.6	<0.1	<1	<0.5		<10	<0.5						<0.05			<0.005					
B-909	04-15-2025	N	1293.17	7.1	110	9.2	<0.1	<1	<0.5		<10	<0.5						<0.05			<0.005					
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		FD	<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							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							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							N	1294.09															
B-917D	07-10-2023	N	1294.43																							

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	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	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-917D	11-05-2024	N	1295.14																							
B-917D	04-15-2025	N	1294.47																							
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					
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					

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	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	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-918U	11-04-2024	N	1305.51	6.01	362	9.8	0.13	65	2.4		<10	<0.5						0.067			<0.005					
B-918U	04-15-2025	N	1305.74	6.31	382	10	0.11	65	2.2		<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																							
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					

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	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	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-918M	11-04-2024	N	1305.75	6.78	164	9.9	<0.1	14	1.1	8.4	<10	<0.5						<0.05			<0.005					
B-918M	01-16-2025	N	1305.30	7.34	191	7.2	<0.1	13	1.1	8	<10	<0.5						<0.05			<0.005					
B-918M	04-15-2025	N	1305.31	7.32	184	10.8	<0.1	13	1.1	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																							
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																				

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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	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	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-918D	11-04-2024	N	1296.12																							
B-918D	04-15-2025	N	1295.36																							
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					
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				N																
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	

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	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	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					
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-919U	08-22-2024	N	1306.10																							
B-919U	08-22-2024	N	1306.17																							
B-919U	11-04-2024	N	1305.80	6.93	224	9	<0.1	4	0.68		<10	<0.5		<0.0005				<0.05			<0.005					
B-919U	11-06-2024	N	1305.80																							
B-919U	04-14-2025	N	1304.95	7.05	116	12.4	<0.1	5.4	<0.5		<10	<0.5		<0.001					0.076		<0.005					
B-919U	04-16-2025	N	1305.02																							
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				

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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	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	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				<0.05			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					
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	

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	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	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-919M	08-22-2024	N	1294.16																							
B-919M	08-22-2024	N	1294.24																							
B-919M	11-04-2024	N	1293.53	6.79	135	14.7	<0.1	1.9	<0.5		<10	<0.5		0.056					12			4.2				
B-919M	11-06-2024	N	1293.76																							
B-919M	04-14-2025	N	1292.71	6.76	131	16.5	<0.1	2.1	<0.5		<10	<0.5		0.048					10			3.8				
B-919M	04-16-2025	N	1292.70																							
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				
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																							

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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	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	04-13-2015	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	<0.001					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	
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-919D	11-04-2024	N	1293.65																							
B-919D	04-14-2025	N	1292.74																							
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																							

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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	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-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-923U	11-05-2024	N	1319.82	7.46	68	7.5	<0.1	<1	<0.5		<10	<0.5						<0.05			<0.005					
B-923U	04-15-2025	N	1319.21																							
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	
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																							

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	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	11-05-2024	N	1334.32																							
B-924U	04-15-2025	N	1331.70	6.74	97	9.4	<0.1	1	<0.5		<10	<0.5						<0.05			<0.005					
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-924L	11-05-2024	N	1318.91																							
B-924L	04-15-2025	N	1318.12																							
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																							
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																							

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	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	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-925U	11-05-2024	N	1338.69	7.26	62	8.1	<0.1	<1	<0.5		<10	<0.5						<0.05			<0.005					
B-925U	04-15-2025	N	1337.07																							
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																							
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-925L	11-05-2024	N	1319.87																							
B-925L	04-15-2025	N	1319.14																							

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	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-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	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-926U	11-05-2024	N	1307.28	6.25	245	9.7	0.15	3.7	<0.5		24	0.57						<0.05			8.9					
B-926U	04-15-2025	N	1307.51	6.12	260	10.6	0.13	9.4	<0.5		21	<0.5						<0.05			6.7					
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					
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					

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	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	04-16-2024	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-926L	11-05-2024	N	1301.51	6.4	213	8.3	<0.1	29	0.63		<10	<0.5						<0.05			<0.005					
B-926L	04-15-2025	N	1301.80	6.51	231	9.9	<0.1	30	0.71		<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-927U	11-04-2024	N	1302.96	6.25	357	11.8	<0.1	47	2.1		<10	<0.5						<0.05			<0.005					
B-927U	04-14-2025	N	1302.16	6.53	370	13.4	<0.1	49	2.5		<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					
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					

TABLE B.2
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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	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	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	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-927M	11-04-2024	N	1299.78	6.96	142	10.9	<0.1	3.6	<0.5		47	<0.5						4.6			0.28					
B-927M	04-14-2025	N	1298.52	7.03	156	15.2	<0.1	3.9	<0.5		44	<0.5						2.3			0.23					
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-927L	11-04-2024	N	1292.02																							
B-927L	04-14-2025	N	1291.23																							
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-928U	11-04-2024	N	1288.03	6.06	152	8.6	<0.1	7.7	0.93		<10	<0.5						<0.05			<0.005					
B-928U	04-14-2025	N	1287.15	6.65	173	10.6	<0.1	14	1.6		<10	<0.5						<0.05			<0.005					

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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	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	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	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	
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-928D	11-04-2024	N	1284.16	6.72	168	10.1	<0.1	10	1.1		<10	<0.5							<0.05			<0.005				
B-928D	04-14-2025	N	1283.32	6.59	178	10.8	<0.1	13	1.3		<10	<0.5							<0.05			<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-929U	11-05-2024	N	1337.94	6.49	80	8.2	<0.1	1	2.2		<10	<0.5							<0.05			<0.005				
B-929U	04-15-2025	N	1335.37	7.01	86	10.3	<0.1	1.5	1.3		<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-929L	11-05-2024	N	1329.80																							
B-929L	04-15-2025	N	1328.07																							
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-930U	11-05-2024	N	1337.25	6.87	97	9.5	<0.1	<1	<0.5		<10	<0.5							<0.05			<0.005				
B-930U	04-15-2025	N	1336.31	7	108	10.8	<0.1	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	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-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-930L	11-05-2024	N	1311.04																							
B-930L	04-15-2025	N	1310.11																							
B-931U	11-02-2022	N	1304.54																							
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-931U	11-05-2024	N	1307.79	7.03	85	9.5	<0.1	1.8	<0.5		<10	<0.5		<0.0005					<0.05			<0.005				
B-931U	04-15-2025	N	1307.39	7.25	106	9.8	<0.1	2	<0.5		<10	<0.5		<0.001					<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-931L	11-05-2024	N	1307.63																							
B-931L	04-15-2025	N	1306.83																							
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-932U	11-04-2024	N	1285.77	6.27	93	10.6	<0.1	5.7	<0.5	14	<10	<0.5	<0.001	<0.0005	0.0094	<0.001	<0.001	<0.001	<0.05		<0.001	0.041		<0.001	<0.001	
B-932U	11-06-2024	N	1285.81																							
B-932U	04-14-2025	N	1286.86	6.52	68	7.1	<0.1	3.3	<0.5	11	14	<0.5	<0.001	<0.001	0.0067	<0.001^+	<0.001	<0.001	0.061		<0.001	0.023		<0.001	<0.001	
B-932L	07-02-2024	N	1279.19																							
B-932L	07-22-2024	N	1277.99	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	
B-932L	11-04-2024	N	1277.48	7.02	133	9.2	<0.1	3.3	<0.5	8.9	<10	<0.5	<0.001	0.00057	0.0077	<0.001	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001	
B-932L	11-06-2024	N	1277.58																							
B-932L	04-14-2025	N	1276.88	7.15	128	11.8	<0.1	3.7	<0.5	8.9	11	<0.5	<0.001	<0.001	0.0071	<0.001^+	<0.001	<0.001	<0.05		<0.001	<0.005		<0.001	<0.001	
B-933U	11-22-2024	N	1305.97																							
B-933U	12-10-2024	N	1305.68	6.93	108	11	<0.1	2	<0.5	8	<10	<0.5	<0.001	0.0098	0.02	<0.001	<0.001	<0.001	7		<0.001	3.3		0.0021	<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	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	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-933U	04-14-2025	N	1305.84	6.88	106	14	<0.1	2.6	<0.5	7.2	<10	<0.5	<0.001	0.011	0.038	<0.001^+	<0.001	<0.001	7.9		<0.001	2.8		0.0015	<0.001	
B-933L	11-22-2024	N	1305.17																							
B-933L	12-10-2024	N	1304.80	7.28	138	10.6	<0.1	3.1	<0.5	8	<10	<0.5	<0.001	0.00067	0.02	<0.001	<0.001	<0.001	<0.05		<0.001	0.46		<0.001	<0.001	
B-933L	04-14-2025	N	1304.56	7.33	123	12.6	<0.1	2.8	<0.5	6.5	<11	<0.5	<0.001	<0.001	0.01	<0.001^+	<0.001	<0.001	0.062		<0.001	0.055		<0.001	<0.001	
B-934U	11-22-2024	N	1304.87																							
B-934U	12-10-2024	N	1304.66	6.18	401	15.7	0.16	21	<0.5	54	34	0.93	<0.001	0.0093	0.13	<0.001	<0.001	<0.001	21		<0.001	11		0.0066	<0.001	
B-934U	04-14-2025	N	1304.68	6.44	362	17.8	0.12	8.6	<0.5	35	<10	1.3	<0.001	0.016	0.056	<0.001^+	<0.001	<0.001	35		<0.001	6.9		0.0036	<0.001	
B-934L	11-22-2024	N	1296.34																							
B-934L	12-10-2024	N	1295.92	6.74	162	15.2	<0.1	2.7	<0.5	14	<10	<0.5	<0.001	0.04	0.055	<0.001	<0.001	<0.001	15		<0.001	2.8		0.0011	<0.001	
B-934L	04-14-2025	N	1295.35	6.8	157	18.4	<0.1	2.7	<0.5	13	<10	<0.5	<0.001	0.037	0.063	<0.001^+	<0.001	<0.001	14		<0.001	2.9		0.0011	<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

[illegible]

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

[illegible]

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

[illegible]

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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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	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L

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	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L

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

[illegible]

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

[illegible]

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

[illegible]

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

[illegible]

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

[illegible]

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

[illegible]

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

[illegible]

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

[illegible]

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

[illegible]

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	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L

TABLE B.2
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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	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug

TABLE B.2
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North Country Environmental Services, Inc.
Bethlehem, New Hampshire
Permit No. GWP-198704033-B-008

[illegible]

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

[illegible]

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

[illegible]

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
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[illegible]

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[illegible]

TABLE B.2
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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	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L

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			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L

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

[illegible]

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

[illegible]

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	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L

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

[illegible]

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

[illegible]

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Summary of Monitoring Data – Groundwater Samples
North Country Environmental Services, Inc.
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[illegible]

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Summary of Monitoring Data – Groundwater Samples
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[illegible]

TABLE B.2
Summary of Monitoring Data – Groundwater Samples
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[illegible]

TABLE B.2
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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	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L

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

[illegible]

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	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L</

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	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	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	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	⁽ⁱ⁾	⁽ⁱ⁾	0.3 ⁽ⁱ⁾	0.3 ⁽ⁱ⁾		0.05 ⁽ⁱ⁾	0.05 ⁽ⁱ⁾	0.61		2.2		6900						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		</																		

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	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	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	⁽ⁱ⁾	⁽ⁱ⁾	0.3 ⁽ⁱ⁾	0.3 ⁽ⁱ⁾		0.05 ⁽ⁱ⁾	0.05 ⁽ⁱ⁾	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	06-03-1993	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																												

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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 (1,1,1-)	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	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	⁽ⁱ⁾	⁽ⁱ⁾	0.3 ⁽ⁱ⁾	0.3 ⁽ⁱ⁾		0.05 ⁽ⁱ⁾	0.05 ⁽ⁱ⁾	0.61		2.2		6900					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	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																												

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	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	N	N	N	
Aquatic Life Fresh Acute							860			0.34 ^(d,i)											5300		11000							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	⁽ⁱ⁾	⁽ⁱ⁾	0.3 ⁽ⁱ⁾	0.3 ⁽ⁱ⁾		0.05 ⁽ⁱ⁾	0.05 ⁽ⁱ⁾	0.61		2.2		6900						20	10		1300	2.5				
Human Health Fish Only										0.00014 ^(b,c)							0.1	0.1	4.6		58		570000							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	11-06-2006	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																																					

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	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	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	⁽ⁱ⁾	⁽ⁱ⁾	0.3 ⁽ⁱ⁾	0.3 ⁽ⁱ⁾		0.05 ⁽ⁱ⁾	0.05 ⁽ⁱ⁾	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	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		
Seep S-1	11-06-2024	N	7.64	97	10.1		3	0.55	<10	<0.5																												

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	N	N	N	
Aquatic Life Fresh Acute							860				0.34 ^(d,i)										5300		11000							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	⁽ⁱ⁾	⁽ⁱ⁾	0.3 ⁽ⁱ⁾	0.3 ⁽ⁱ⁾		0.05 ⁽ⁱ⁾	0.05 ⁽ⁱ⁾	0.61		2.2		6900						20	10		1300	2.5				
Human Health Fish Only										0.00014 ^(b,c)							0.1	0.1	4.6		58		570000							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	07-09-2001	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	&															

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	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 (1,1,1-)	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	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	⁽ⁱ⁾	⁽ⁱ⁾	0.3 ⁽ⁱ⁾	0.3 ⁽ⁱ⁾	0.05 ⁽ⁱ⁾	0.05 ⁽ⁱ⁾	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	07-17-2014	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	11-03-2																																					

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	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-)
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	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	⁽ⁱ⁾	⁽ⁱ⁾	0.3 ⁽ⁱ⁾	0.3 ⁽ⁱ⁾		0.05 ⁽ⁱ⁾	0.05 ⁽ⁱ⁾	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	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	
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																			

TABLE B.3
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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	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	⁽ⁱ⁾	⁽ⁱ⁾	0.3 ⁽ⁱ⁾	0.3 ⁽ⁱ⁾	0.05 ⁽ⁱ⁾	0.05 ⁽ⁱ⁾	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	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			
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			
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																				

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	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	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	⁽ⁱ⁾	⁽ⁱ⁾	0.3 ⁽ⁱ⁾	0.3 ⁽ⁱ⁾		0.05 ⁽ⁱ⁾	0.05 ⁽ⁱ⁾	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	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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	&								

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	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	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	⁽ⁱ⁾	⁽ⁱ⁾	0.3 ⁽ⁱ⁾	0.3 ⁽ⁱ⁾		0.05 ⁽ⁱ⁾	0.05 ⁽ⁱ⁾	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-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																														

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	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	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	⁽ⁱ⁾	⁽ⁱ⁾	0.3 ⁽ⁱ⁾	0.3 ⁽ⁱ⁾		0.05 ⁽ⁱ⁾	0.05 ⁽ⁱ⁾	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	07-11-2005	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	<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		
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		
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		
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		
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		
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	&								

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	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	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	⁽ⁱ⁾	⁽ⁱ⁾	0.3 ⁽ⁱ⁾	0.3 ⁽ⁱ⁾		0.05 ⁽ⁱ⁾	0.05 ⁽ⁱ⁾	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	07-10-2006	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 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 Eurofins Environment Testing – Eastern Analytical (EA; formerly Eastern Analytical, Inc.) 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 EA.

Where indicated, samples were split and analyzed by both Endyne and EA.

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 ($\mu\text{S}/\text{cm}$), and temperature is presented in degrees Celsius ($^{\circ}\text{C}$). 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 ($\mu\text{g}/\text{L}$) which is equivalent to parts per billion (ppb).
6. "<" indicates the analyte was not detected above the listed laboratory reporting limit.
"Tr" indicates trace.
"-/" indicates the LCS and/or LCSD is outside acceptance limits, potential for low bias.
"^+" indicates the Continuing Calibration Verification (CCV) is outside acceptance limits potential for high bias.
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).

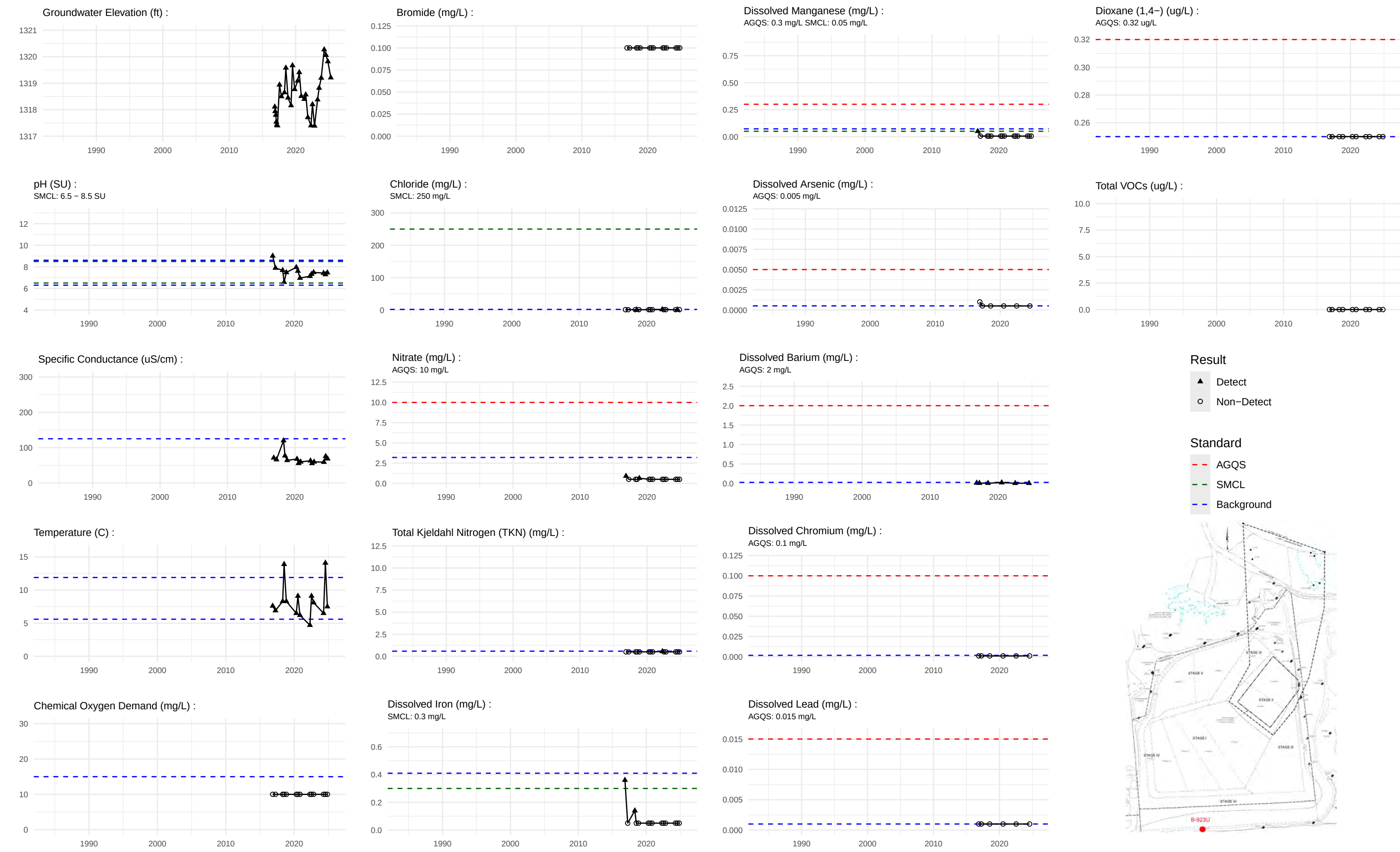
Appendix C

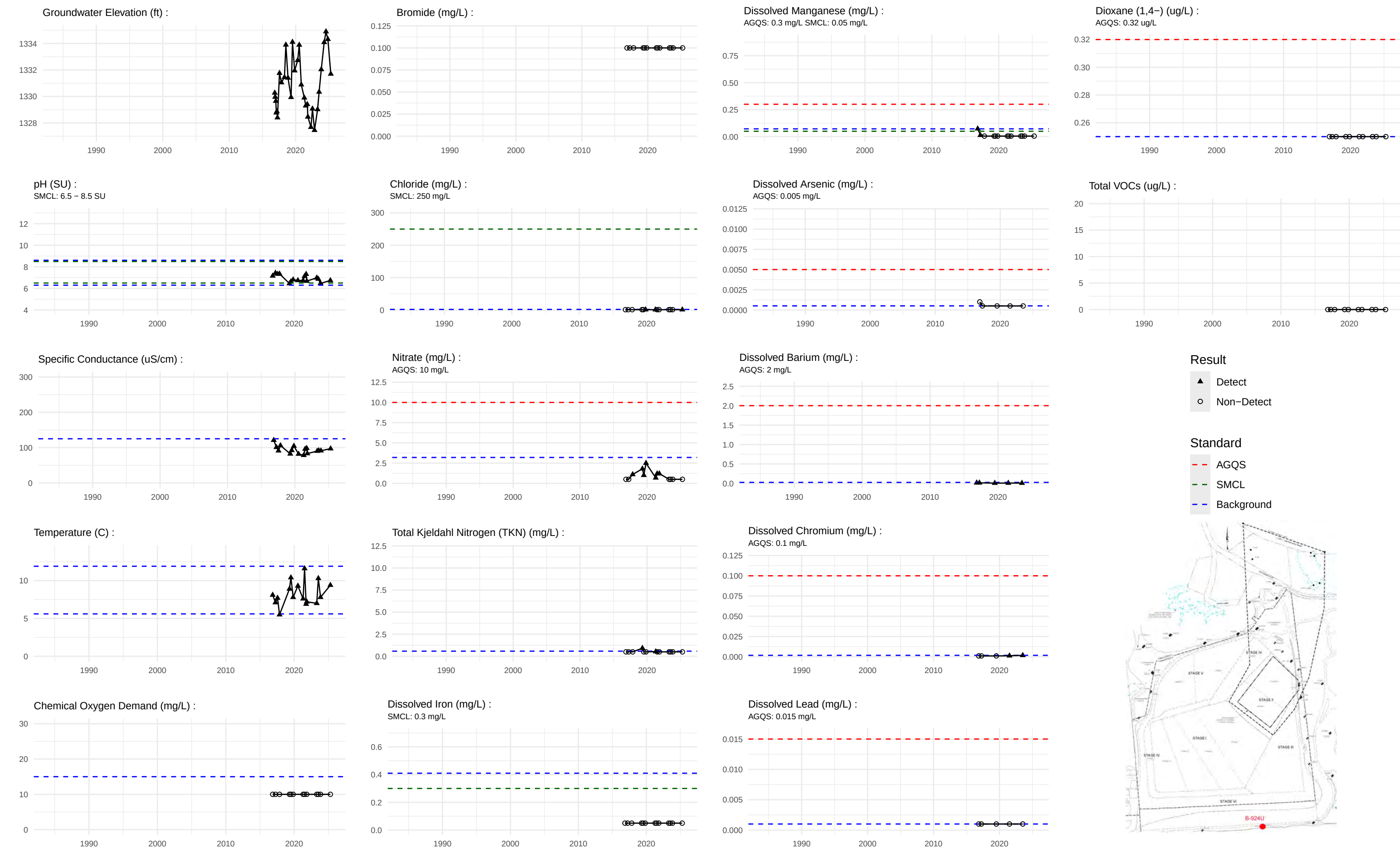
Time-Series Plots

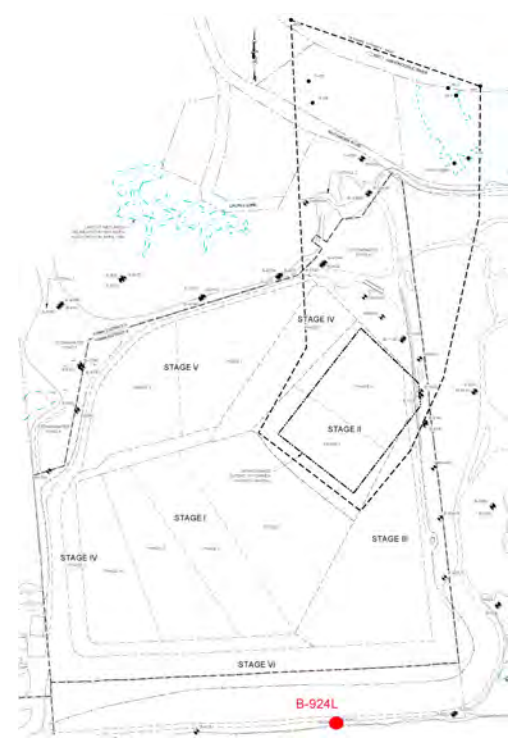
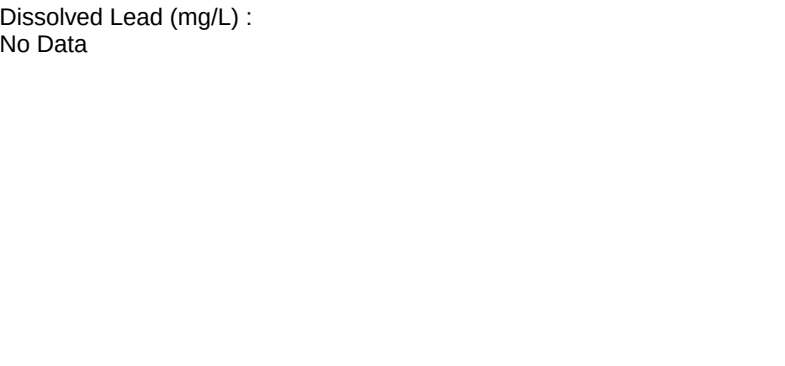
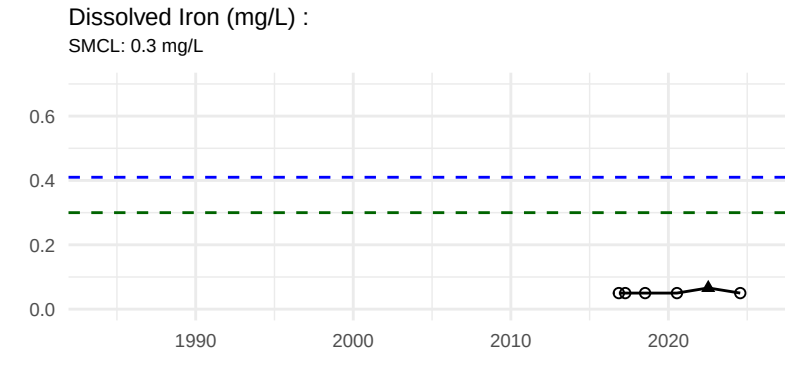
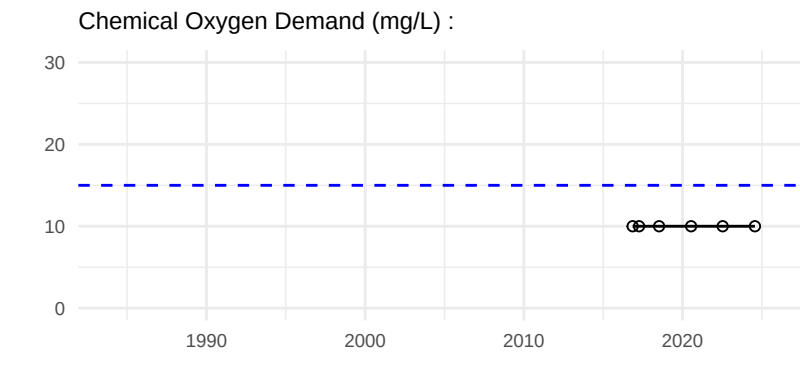
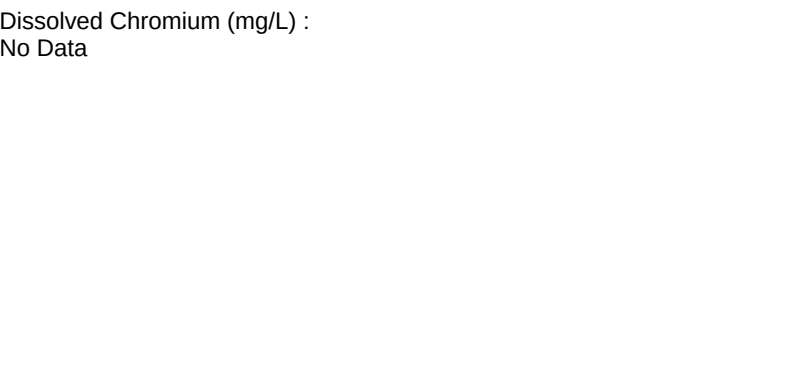
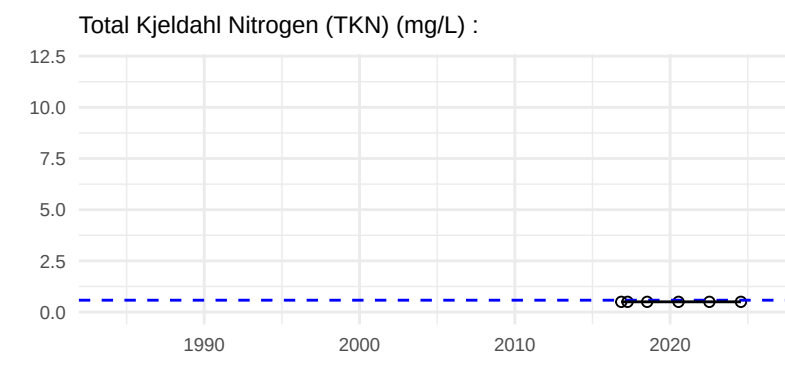
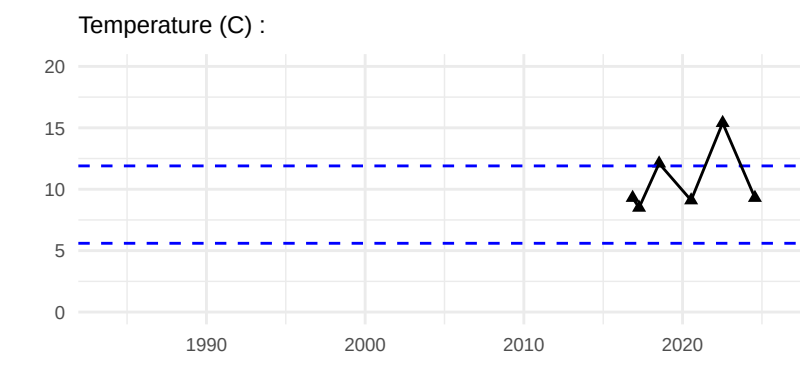
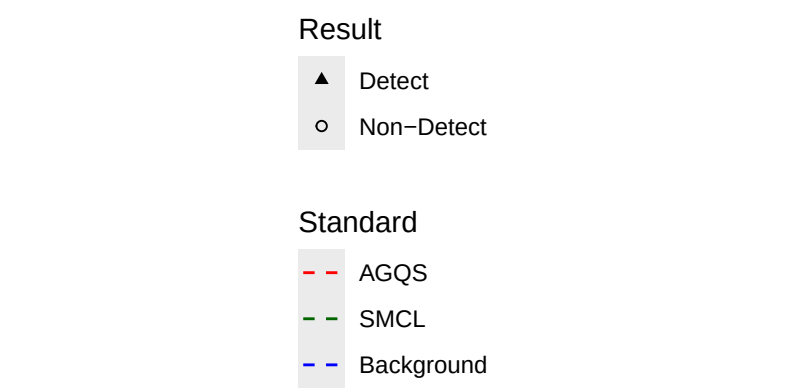
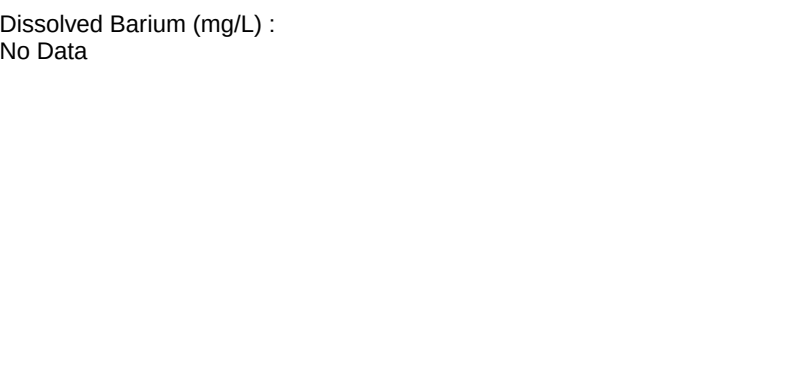
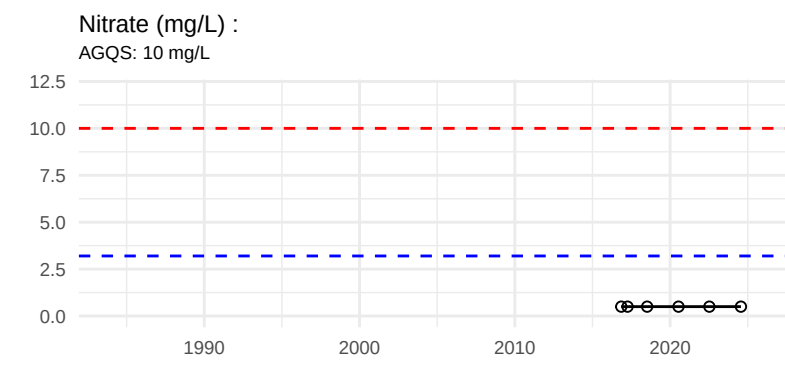
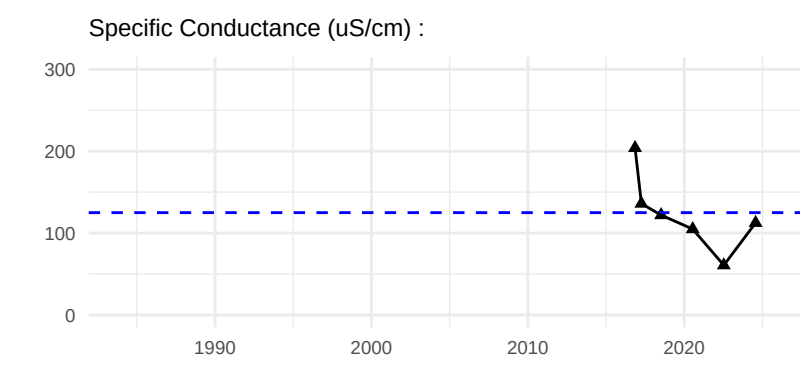
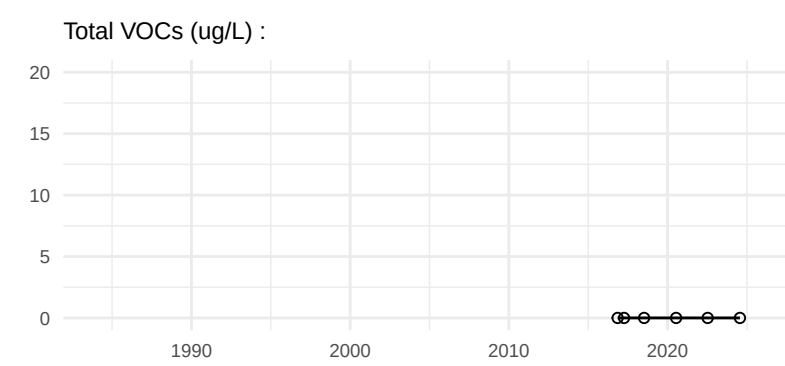
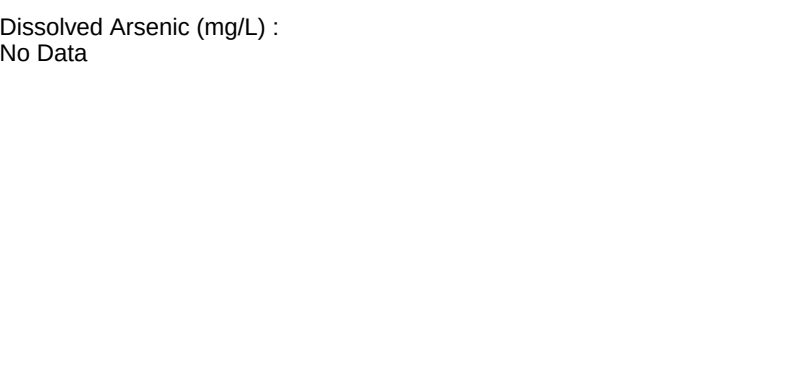
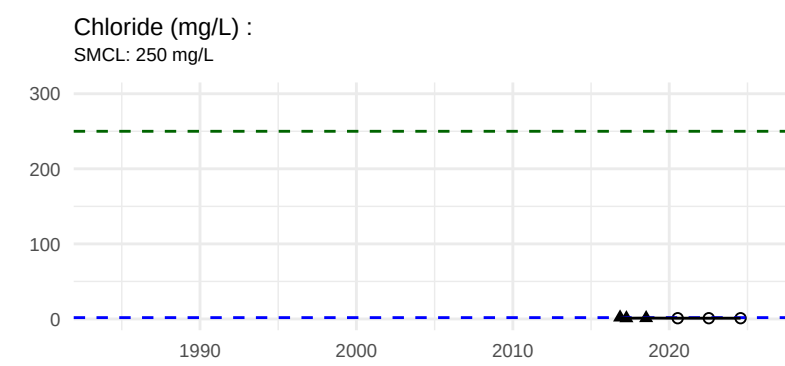
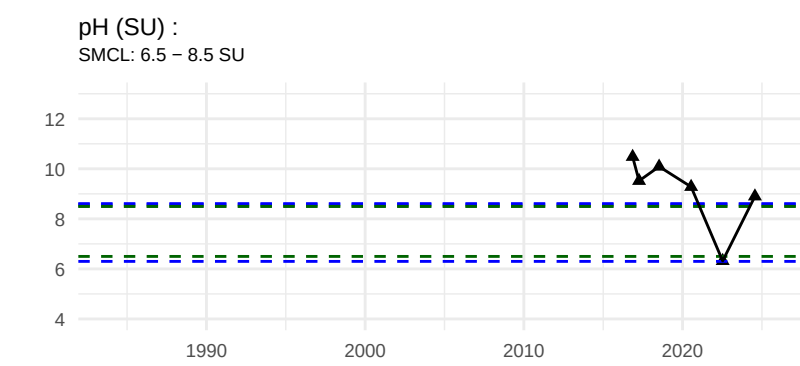
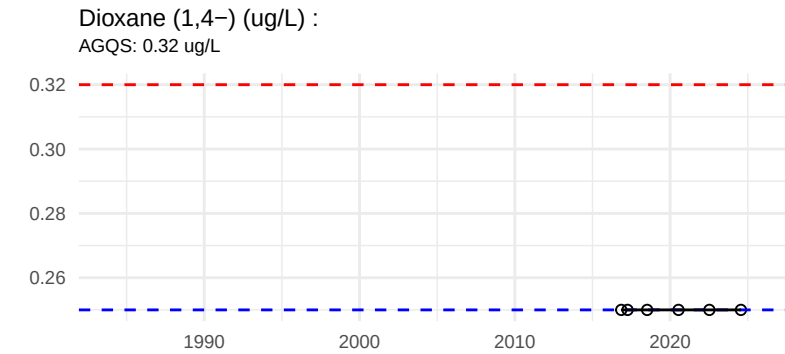
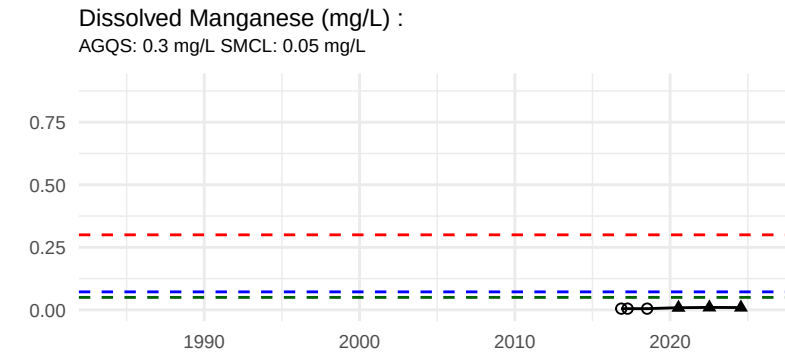
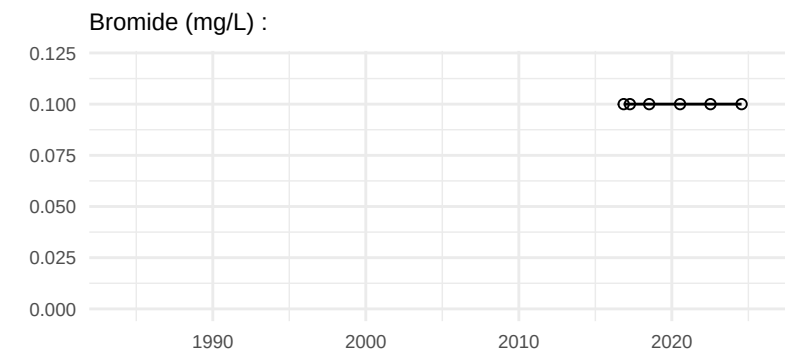
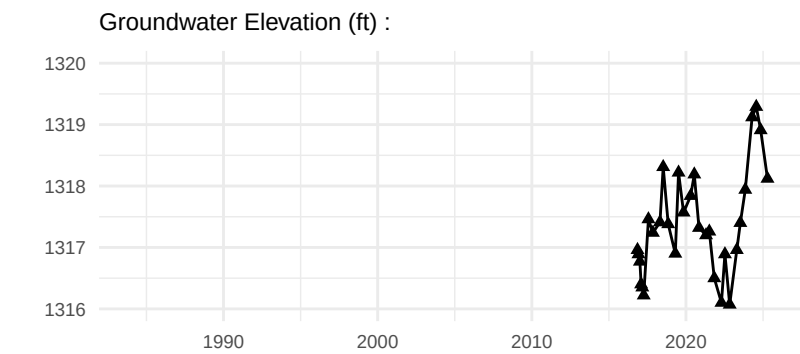
Appendix C.1

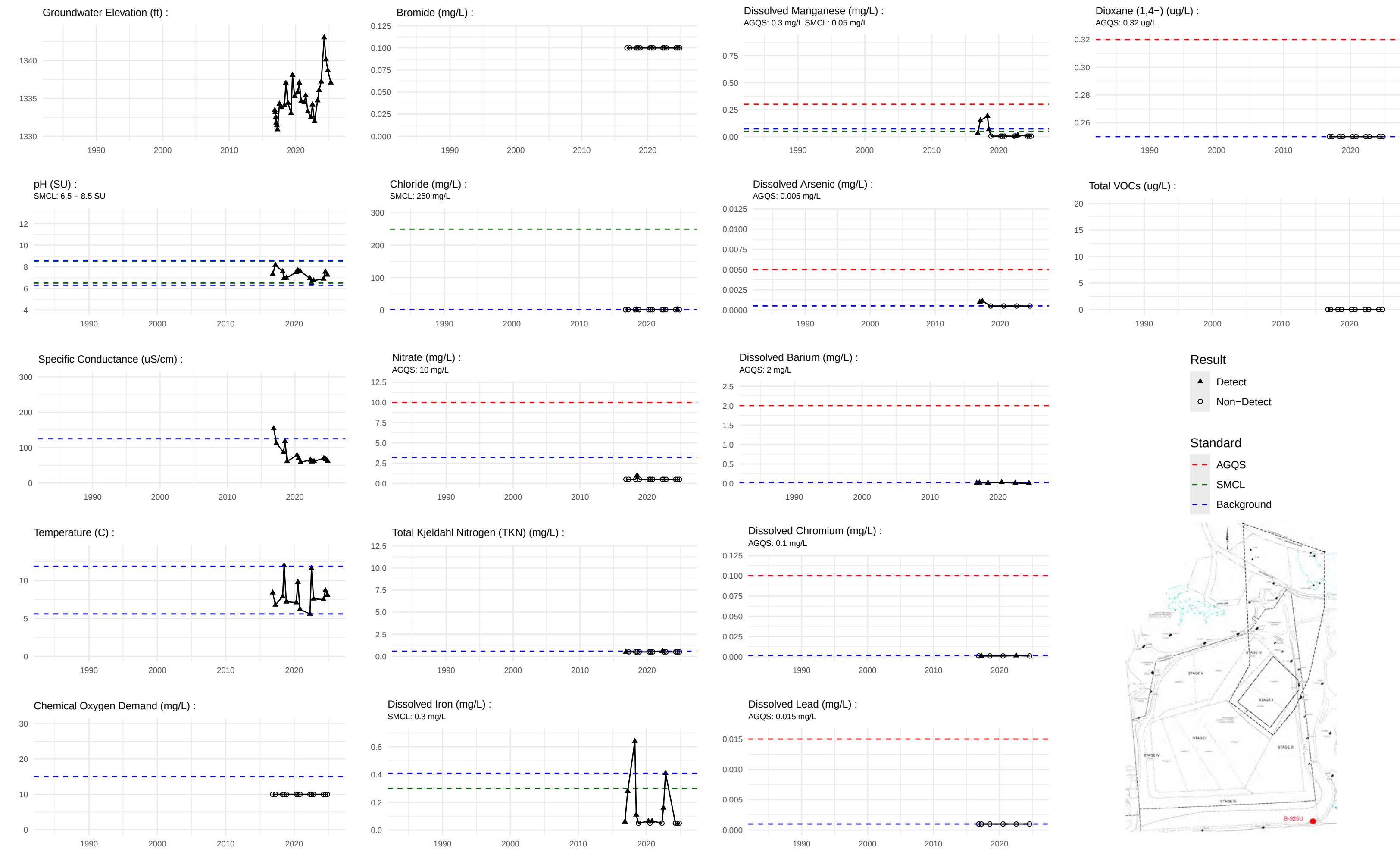
Groundwater Analytical Results (Field and Indicator Parameters, VOCs)

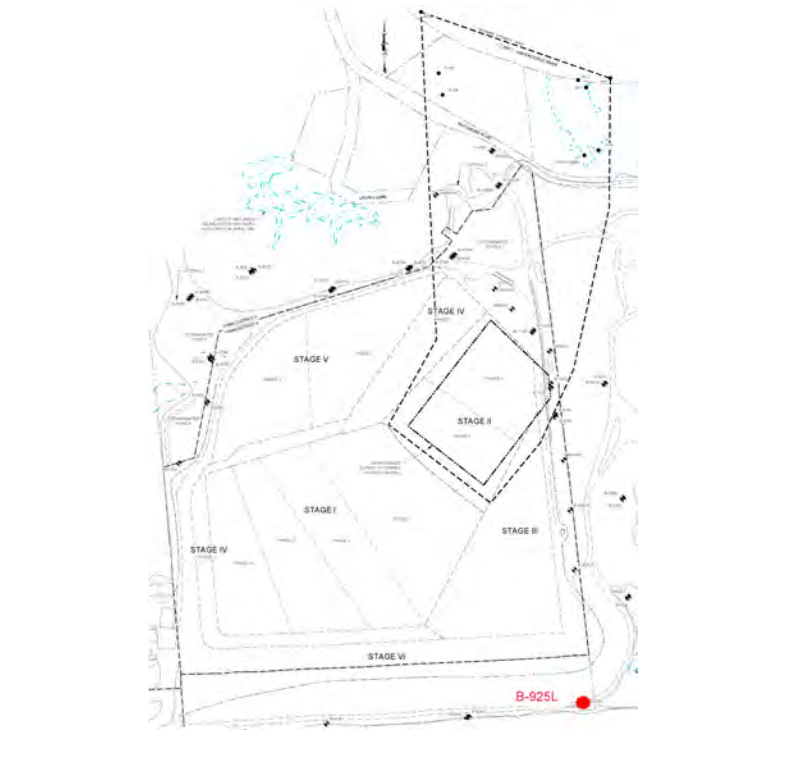
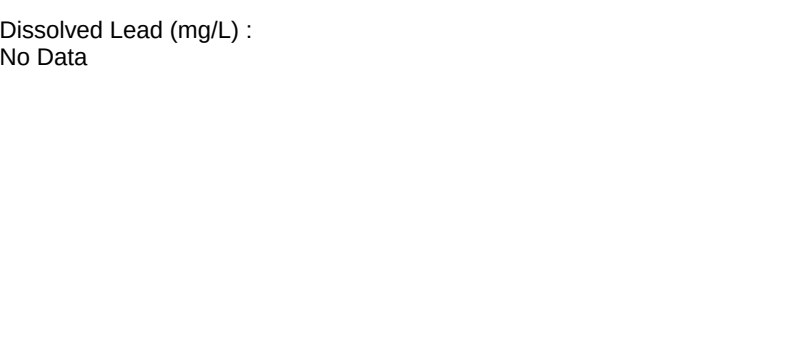
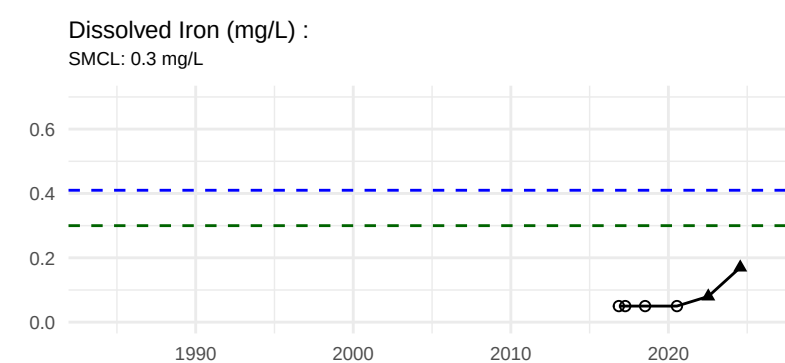
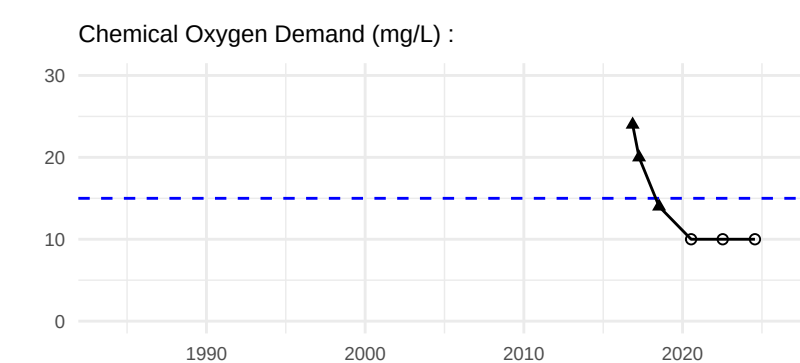
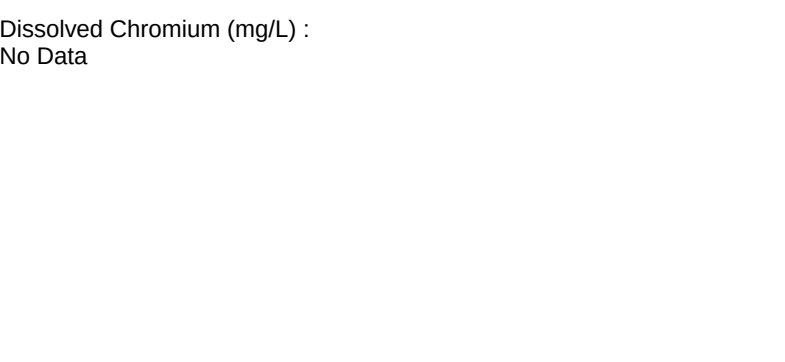
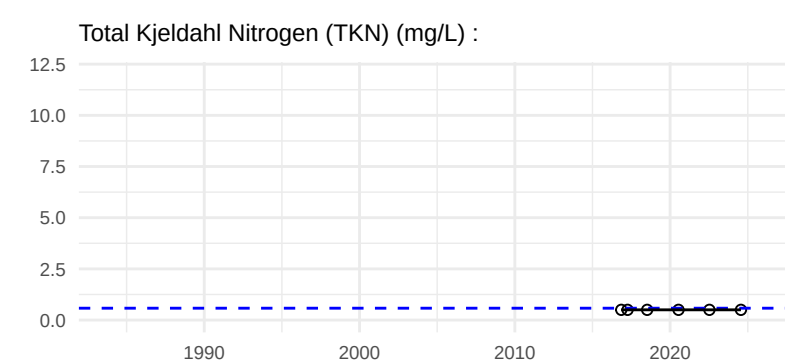
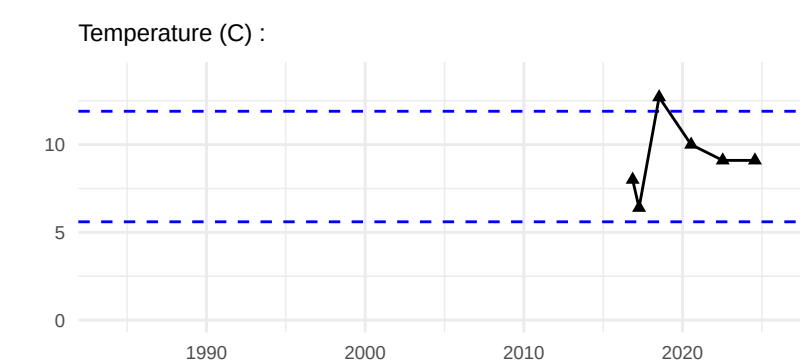
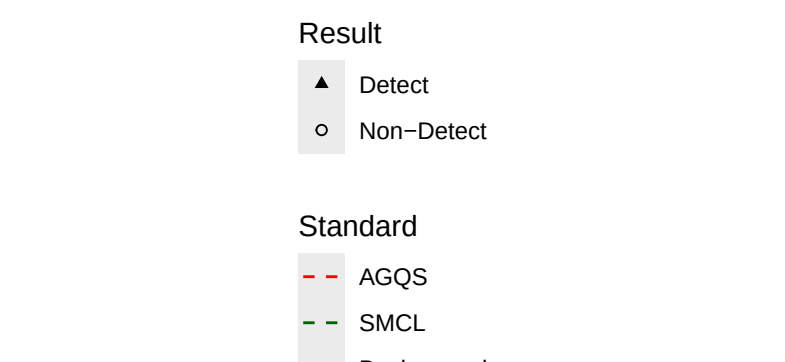
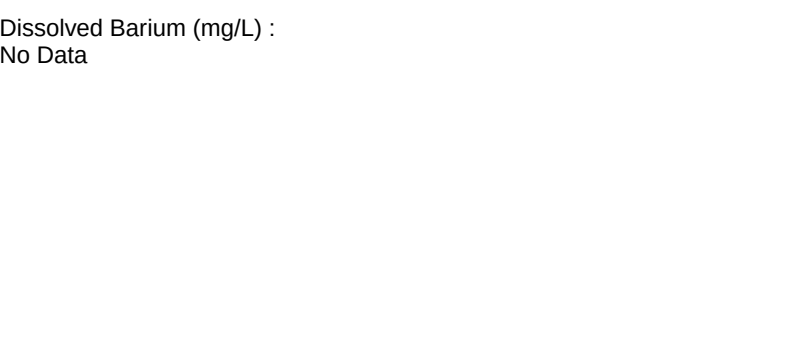
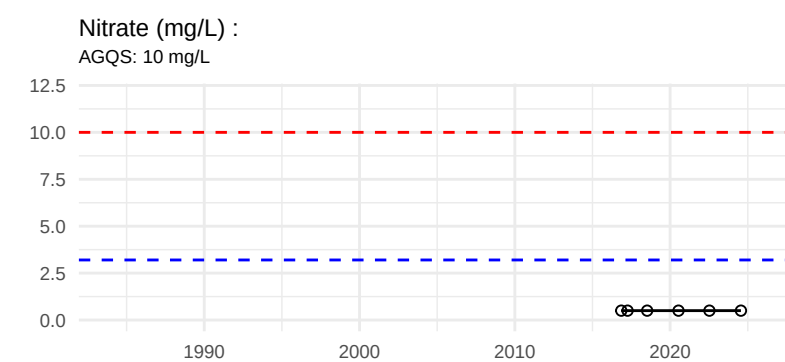
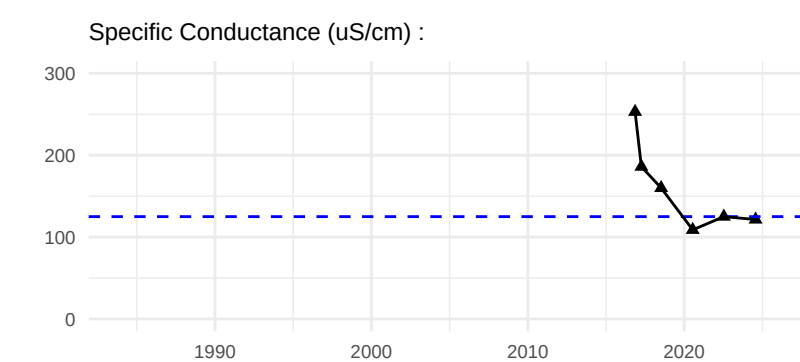
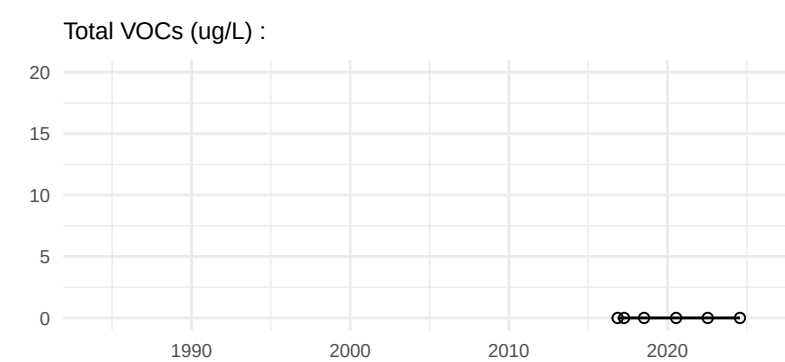
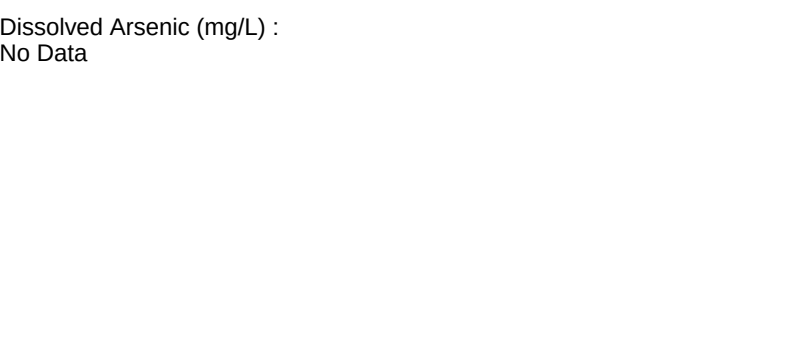
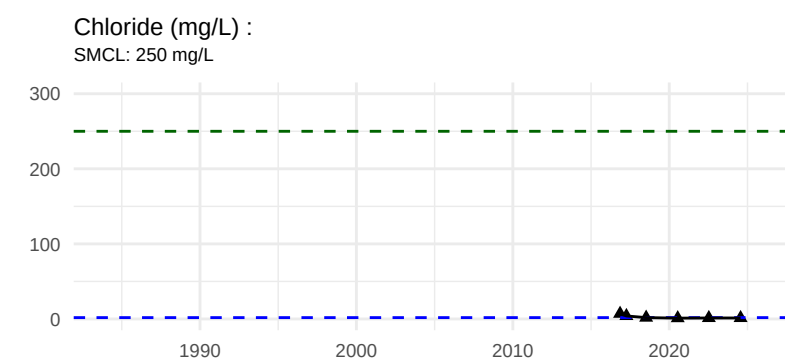
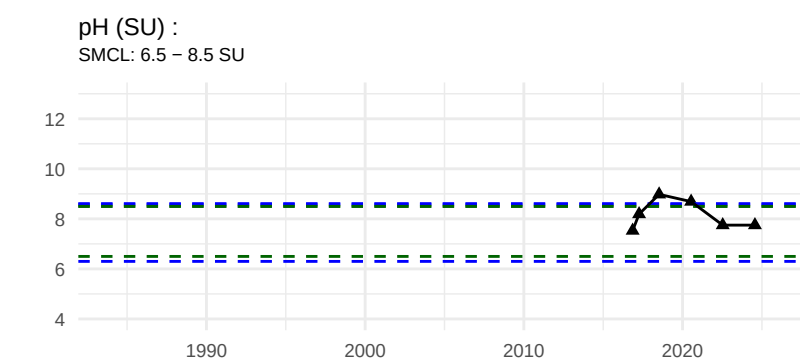
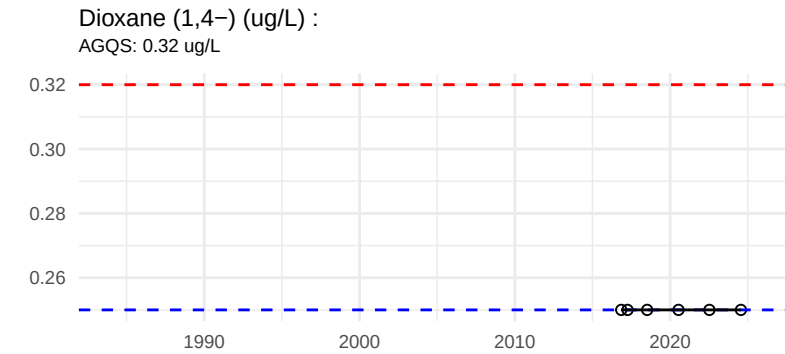
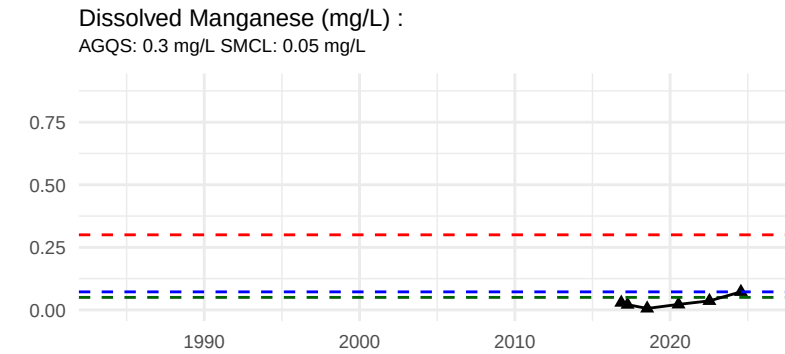
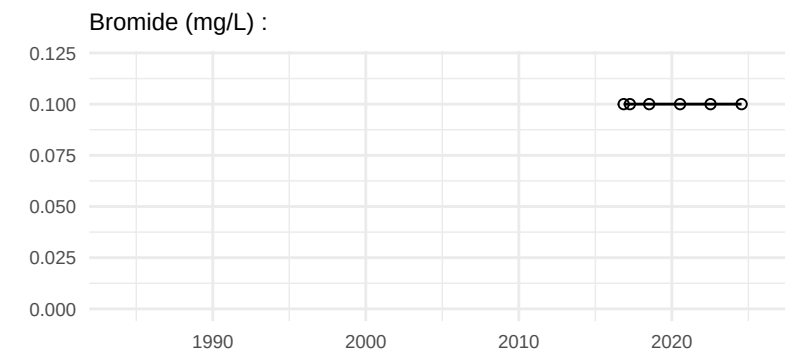
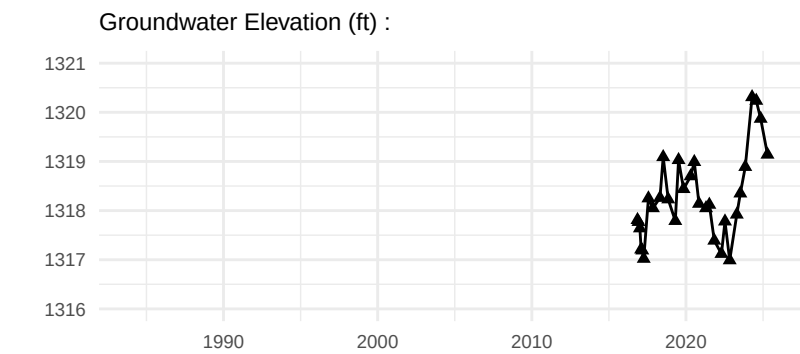
BACKGROUND WELLS

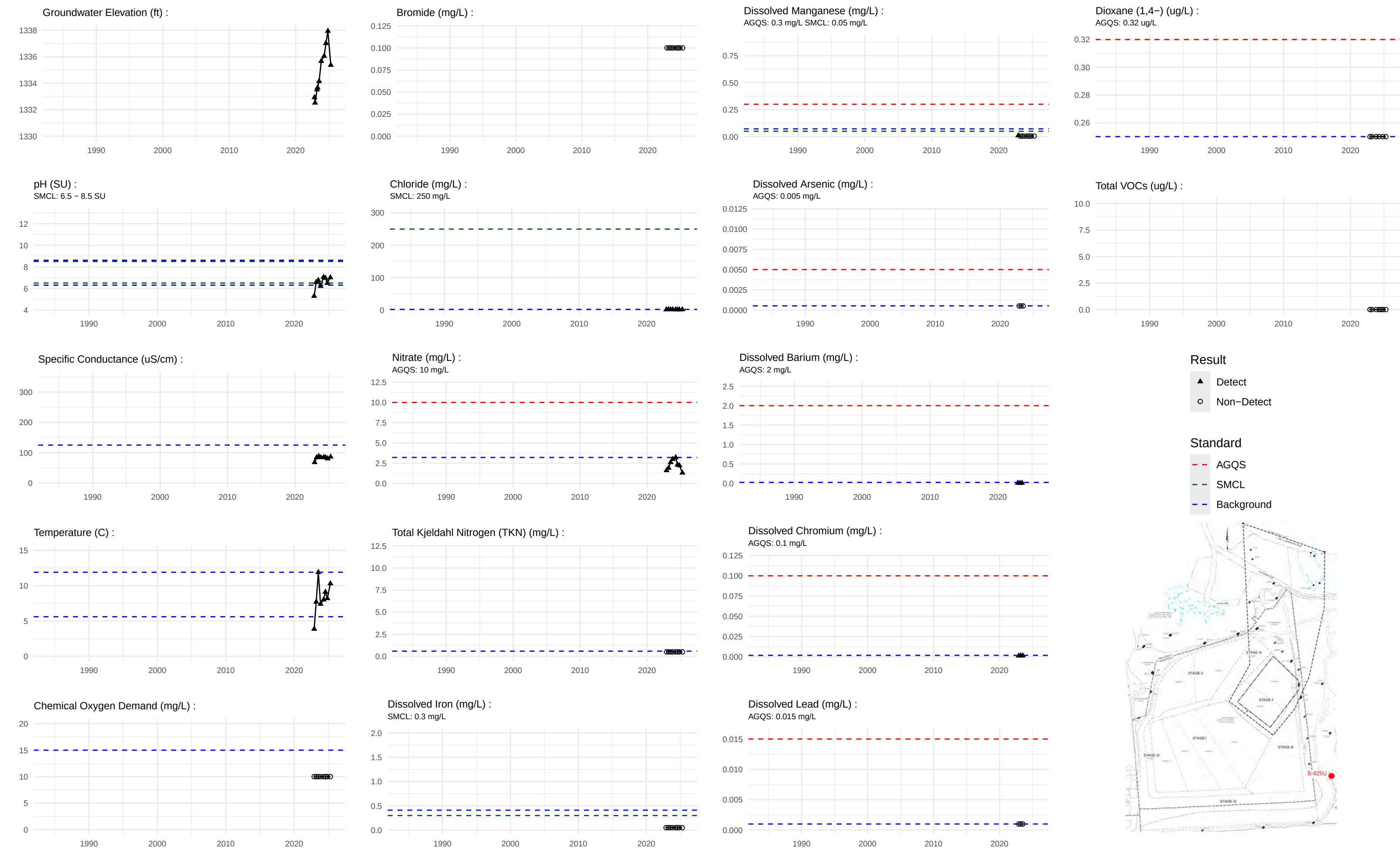












Result

▲ Detect

○ Non-Detect

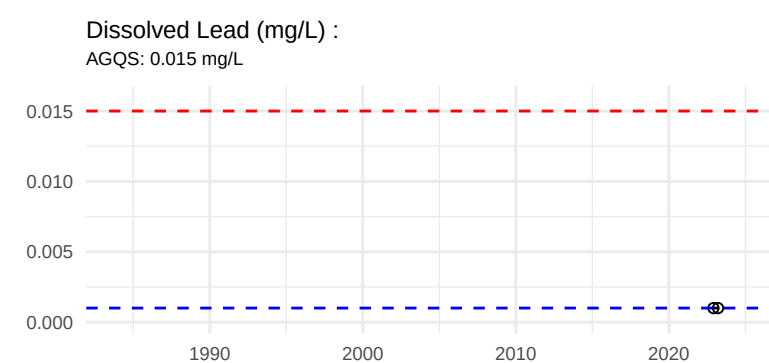
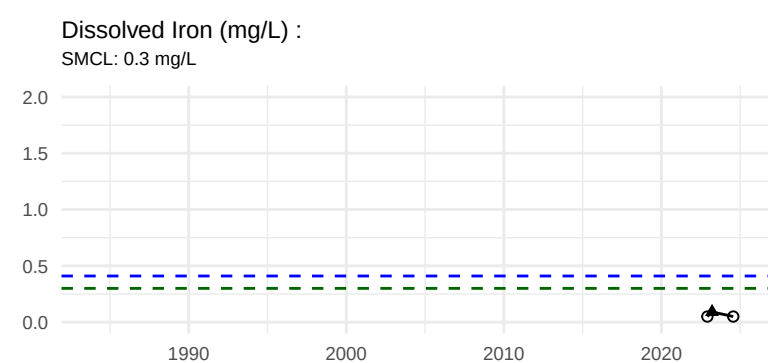
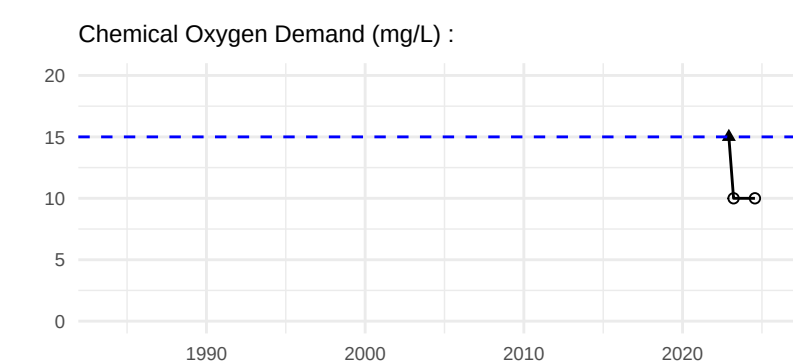
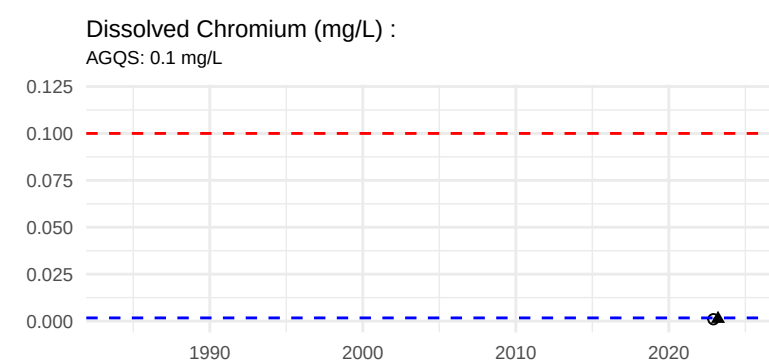
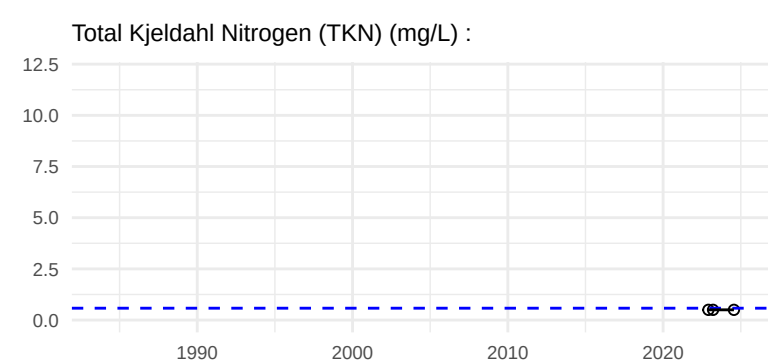
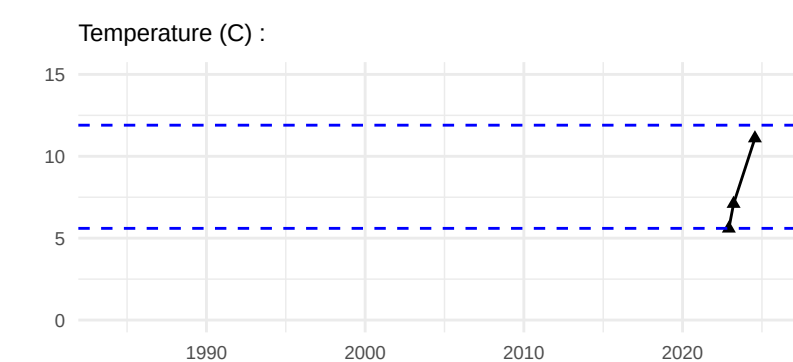
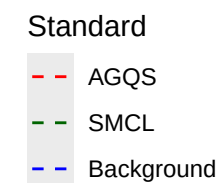
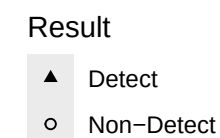
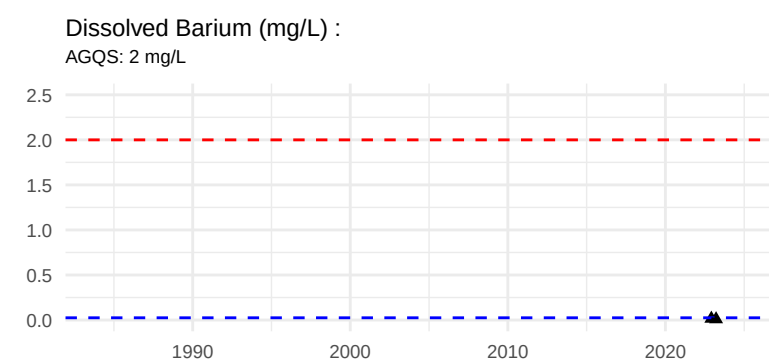
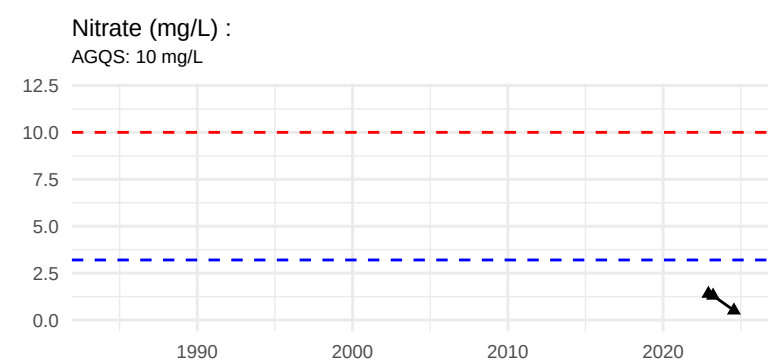
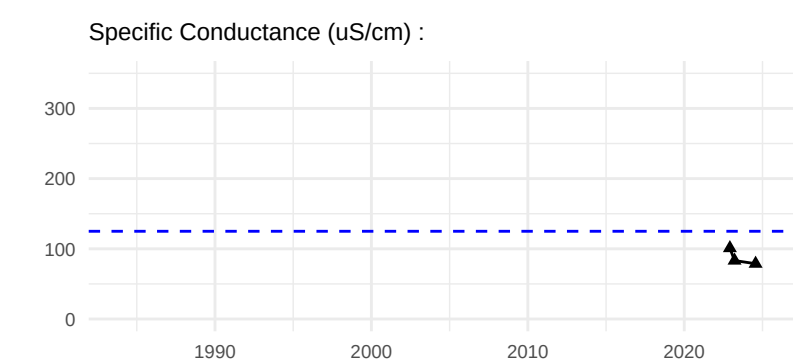
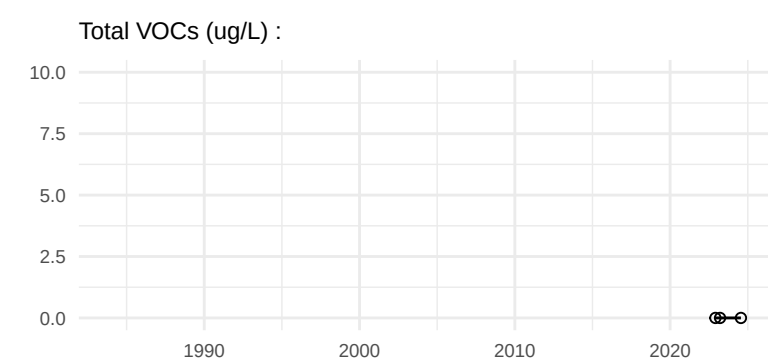
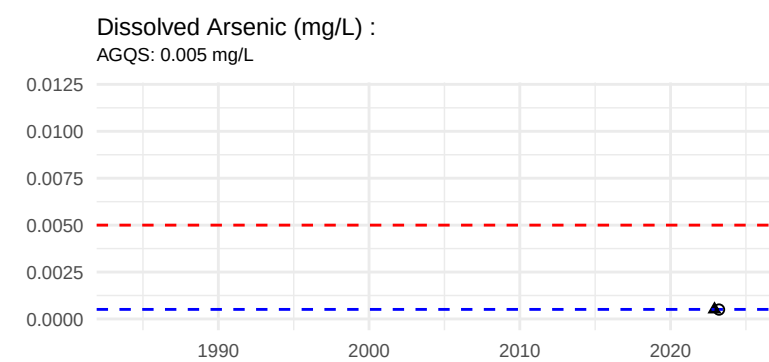
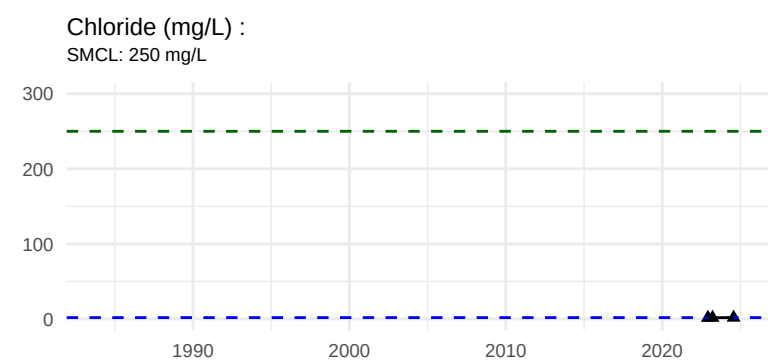
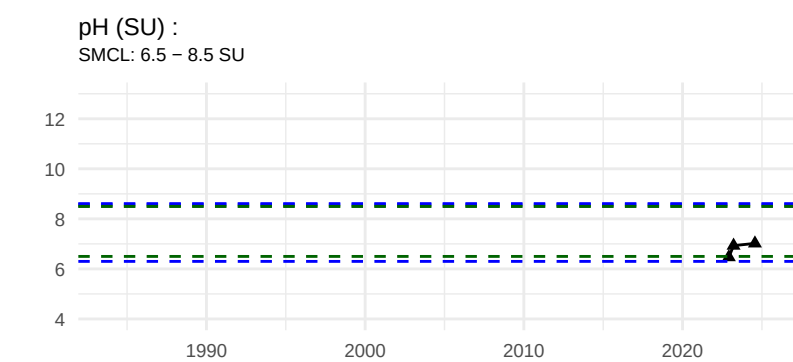
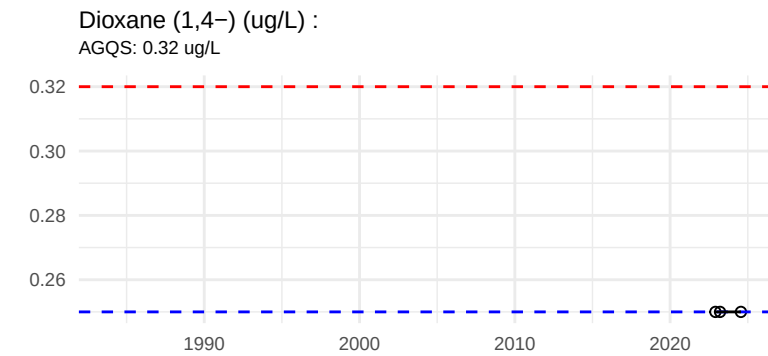
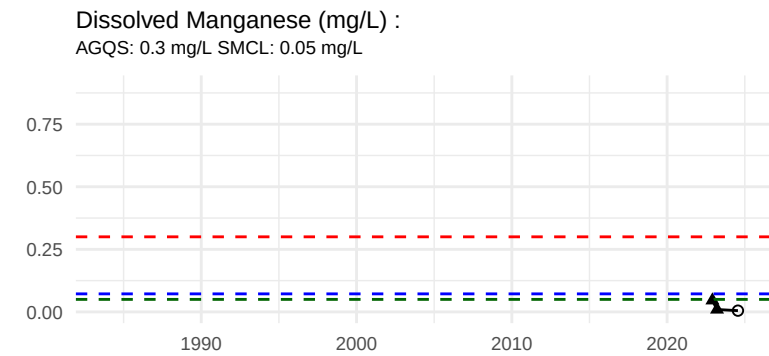
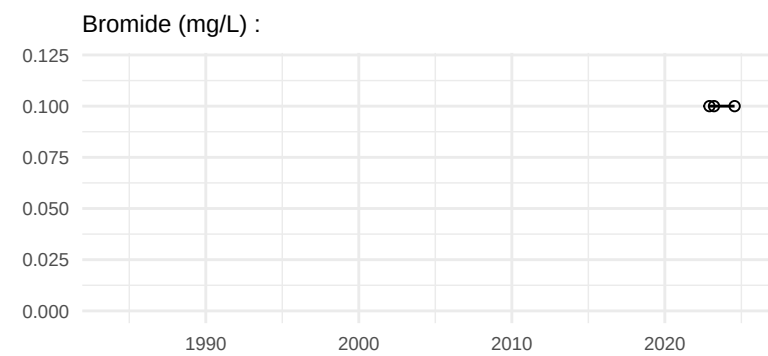
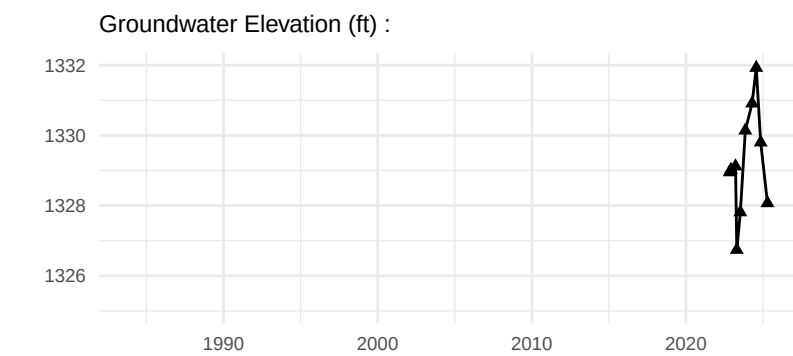
Standard

AGQS

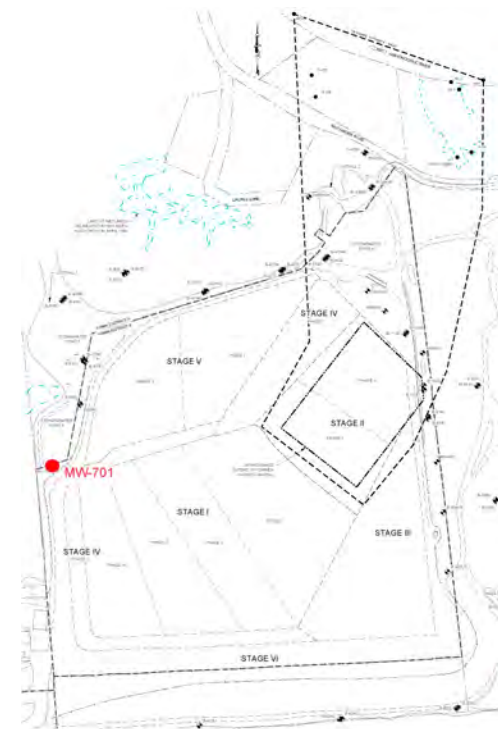
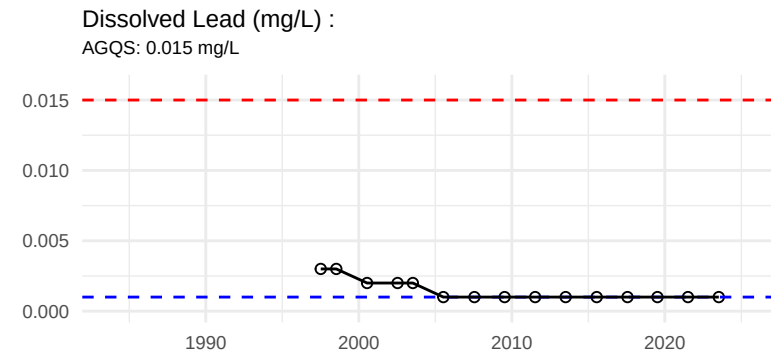
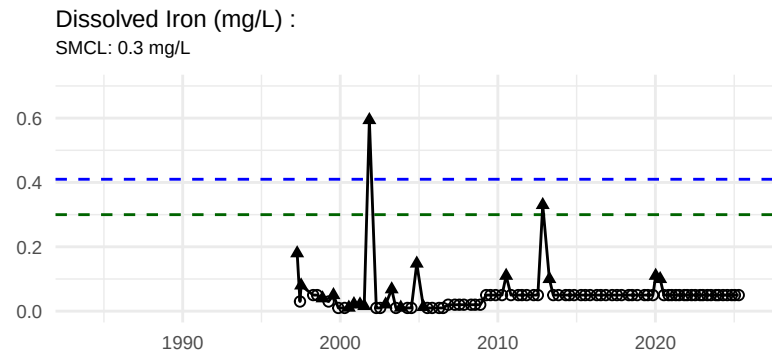
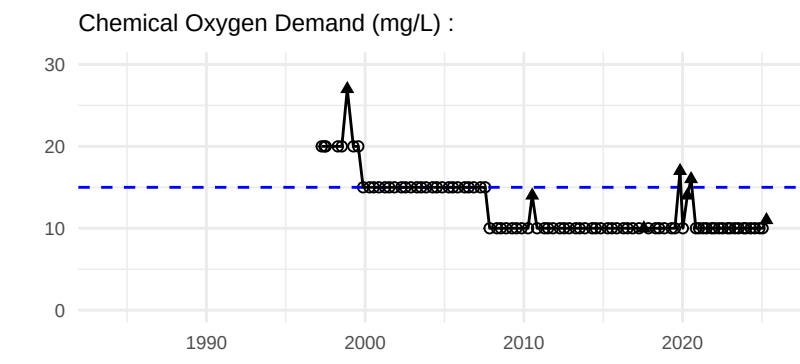
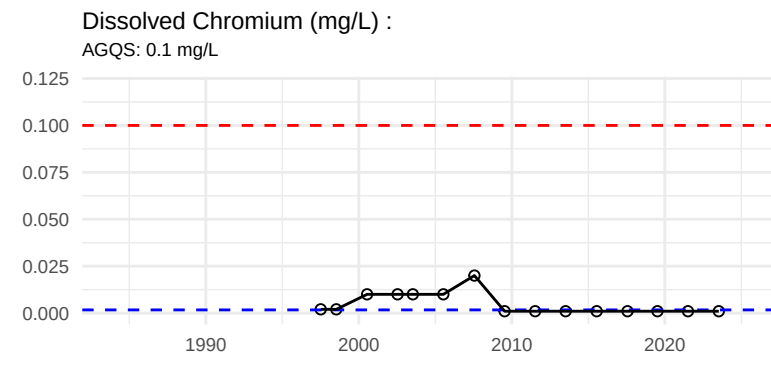
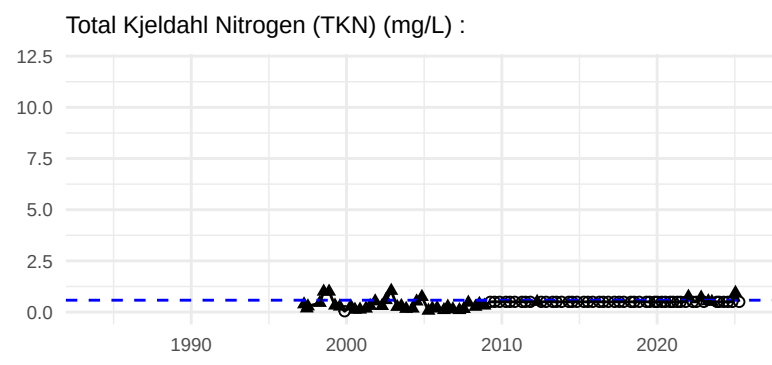
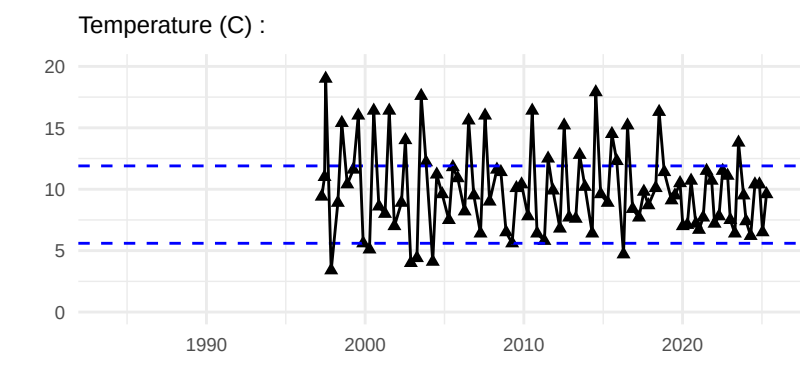
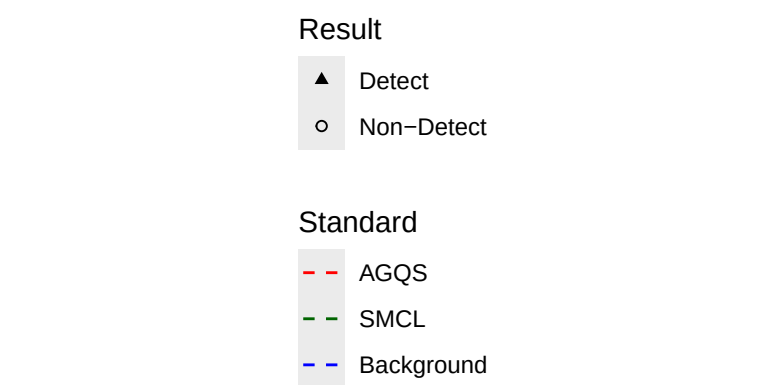
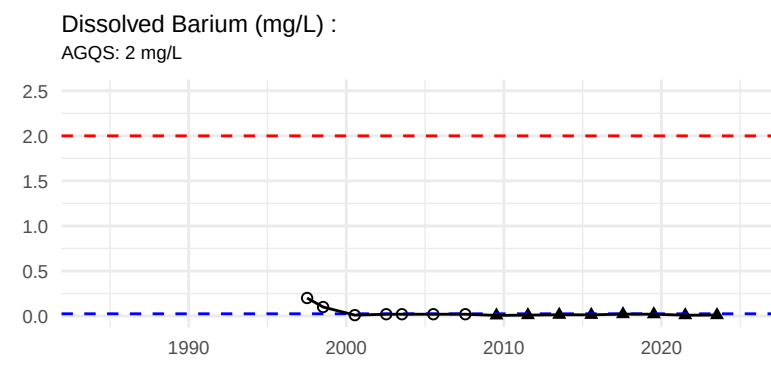
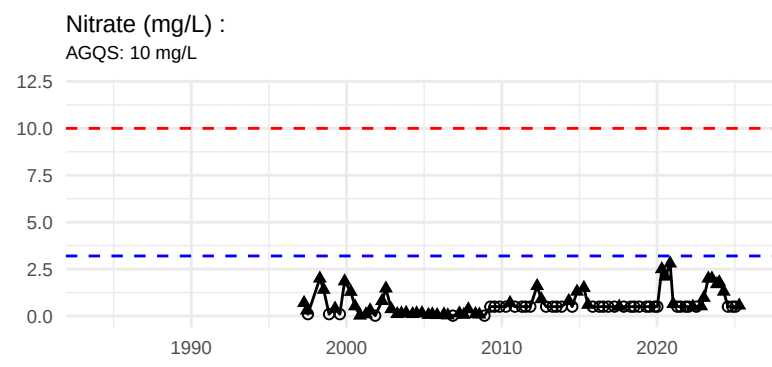
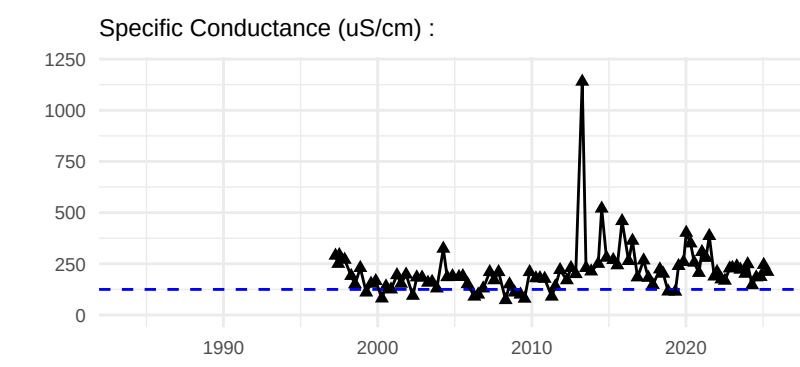
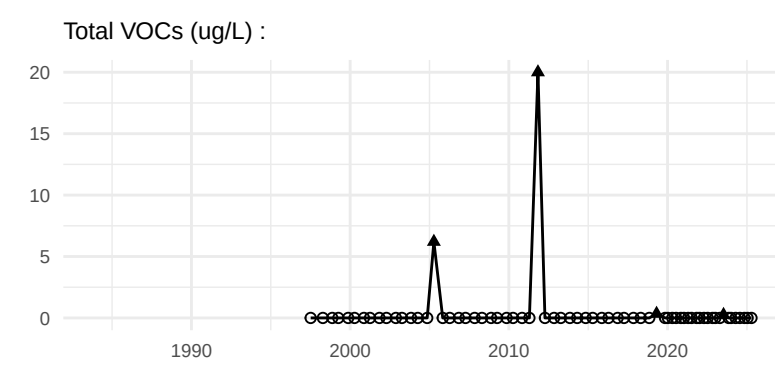
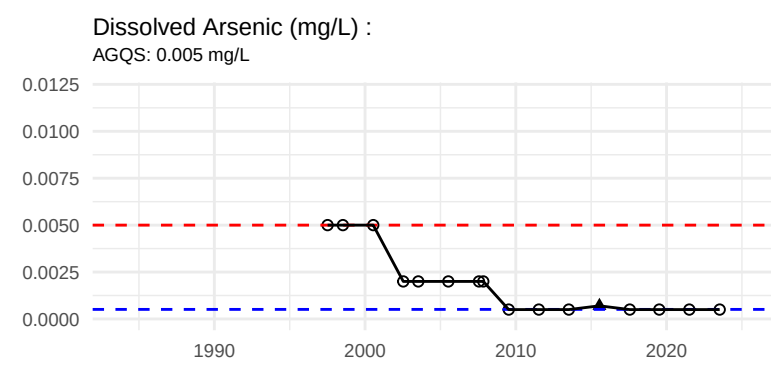
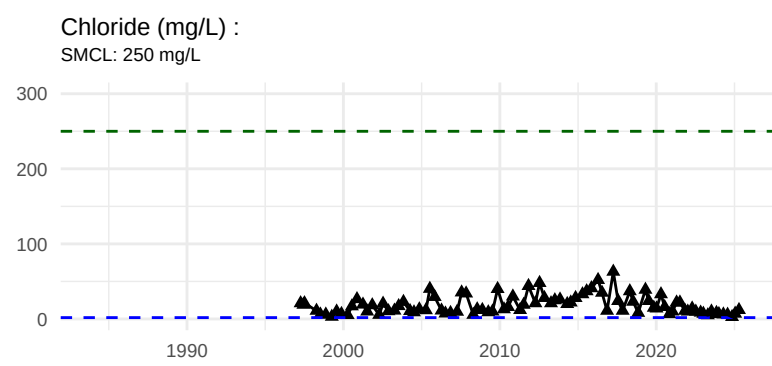
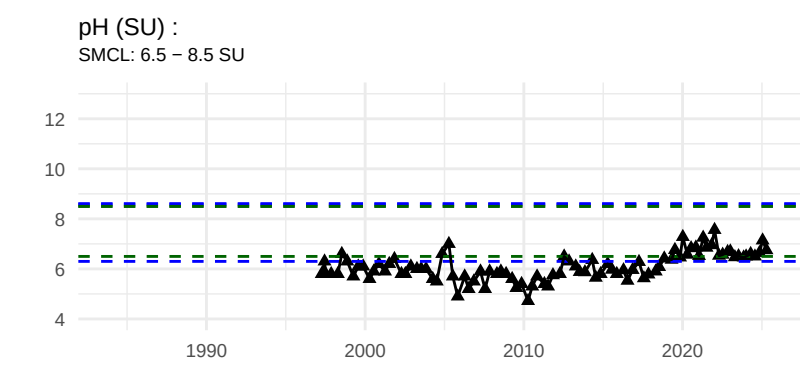
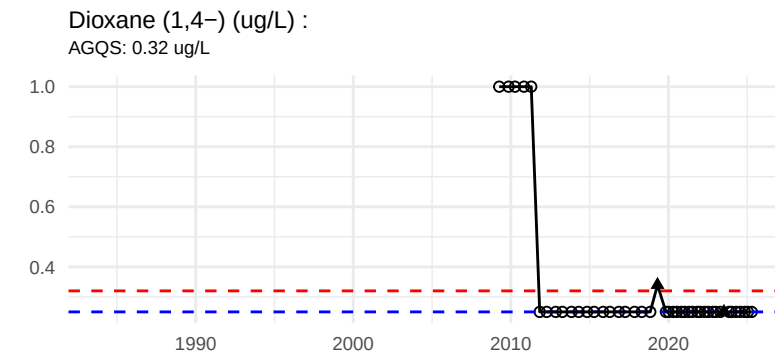
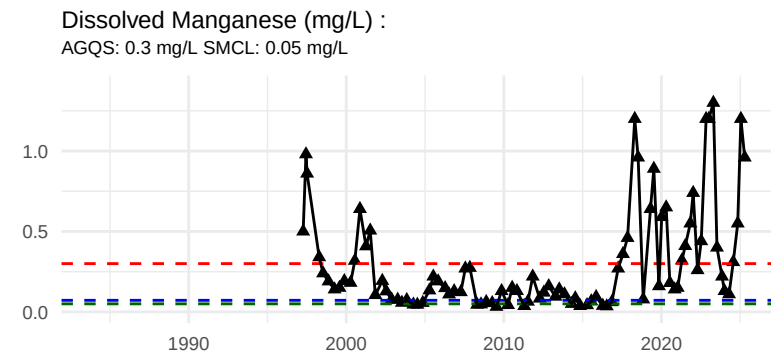
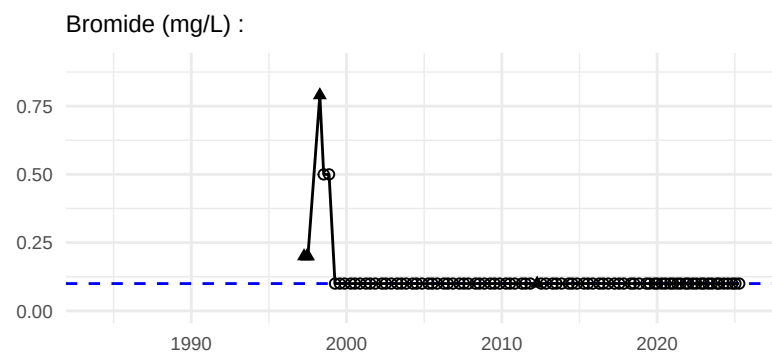
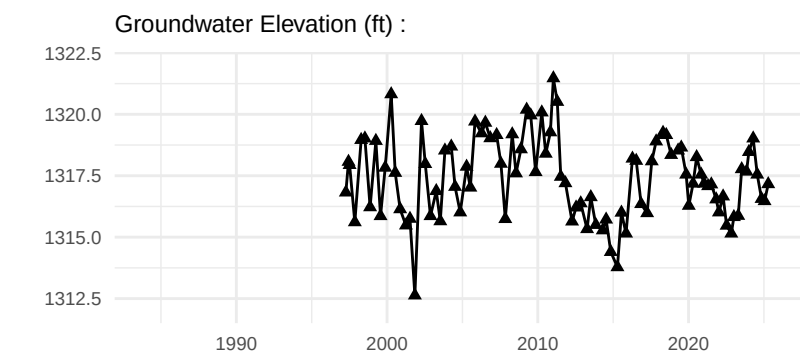
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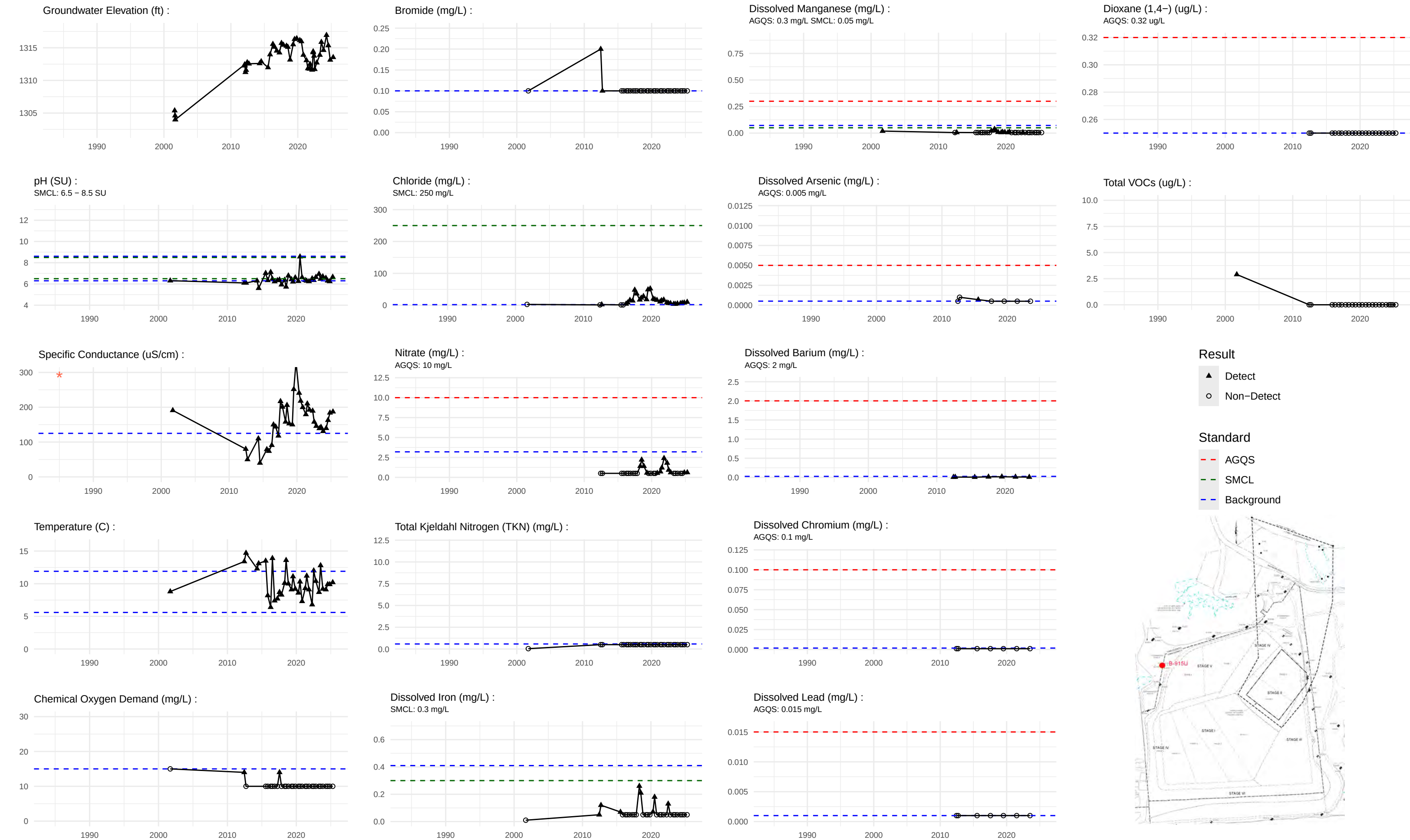
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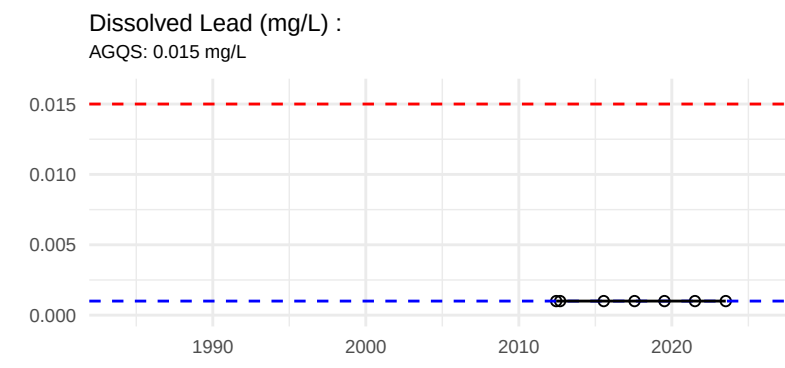
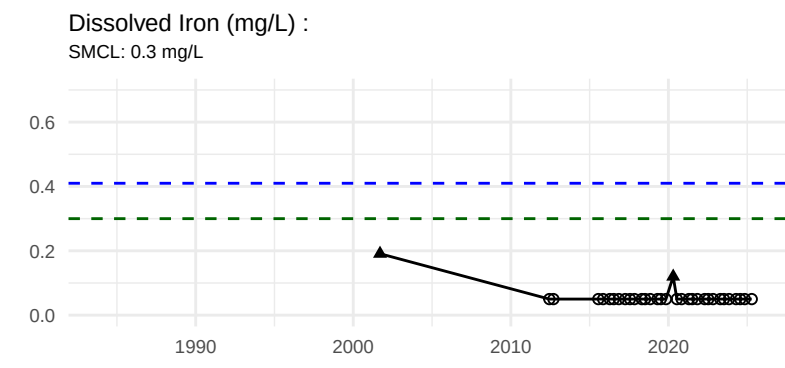
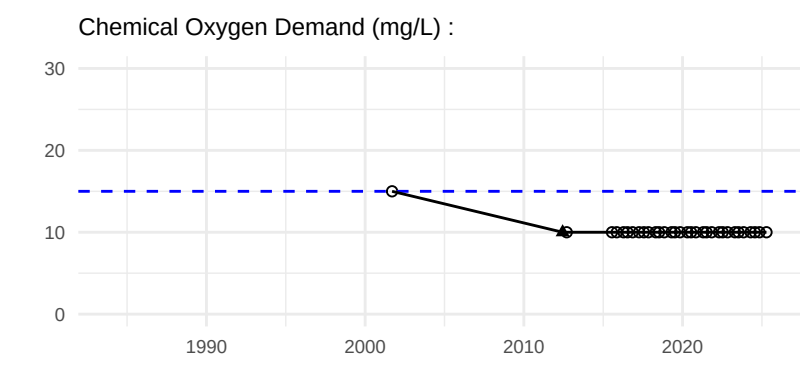
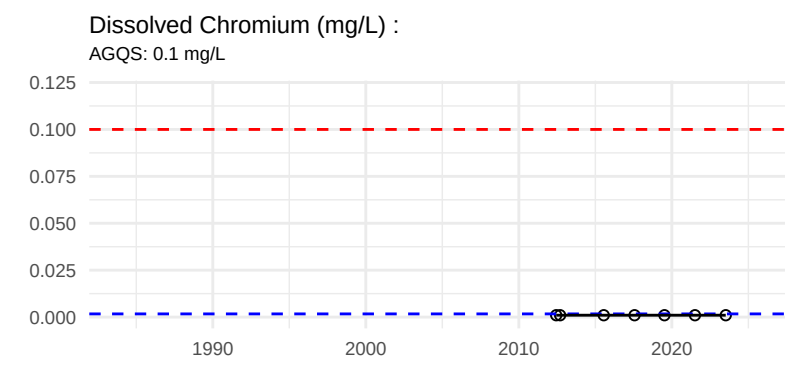
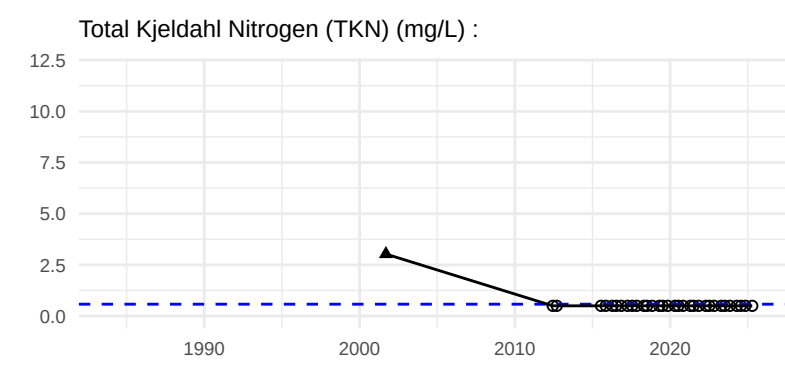
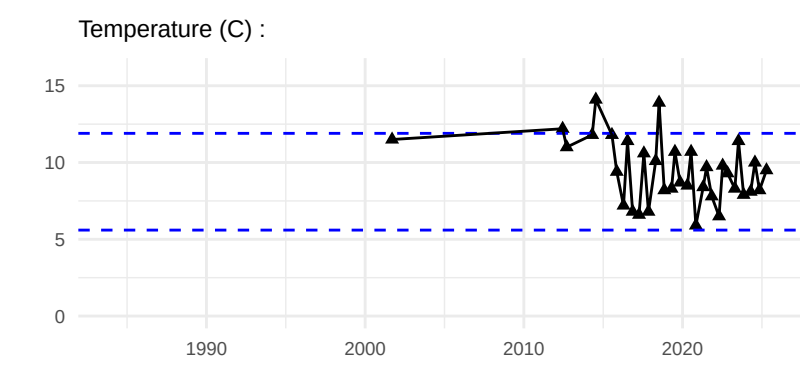
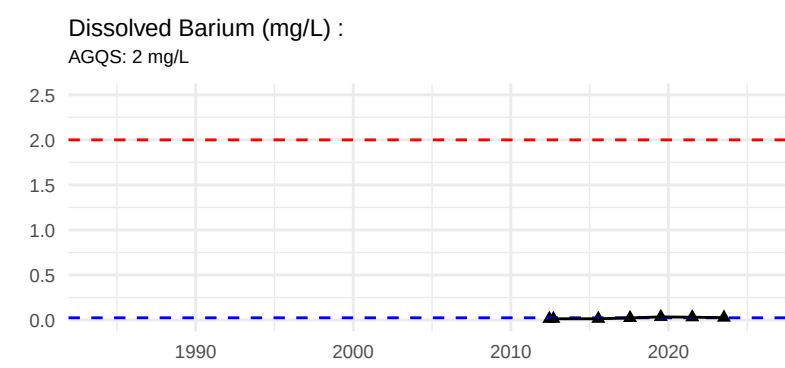
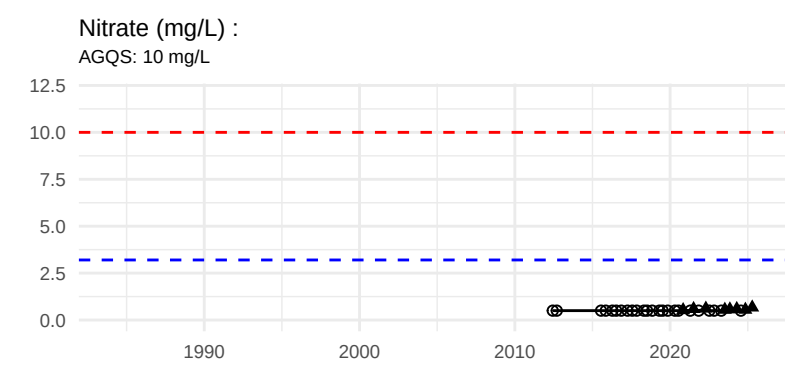
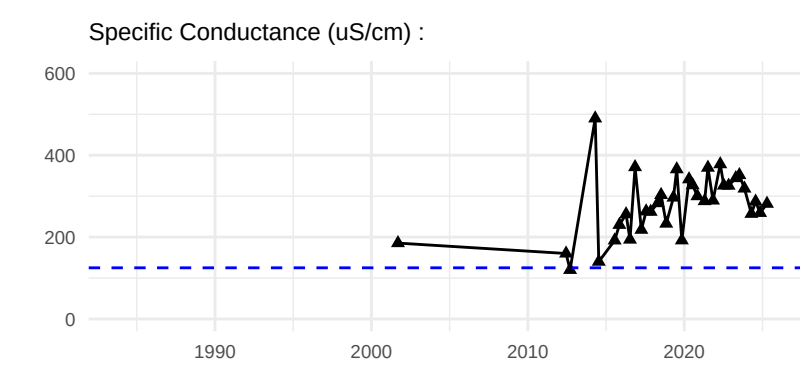
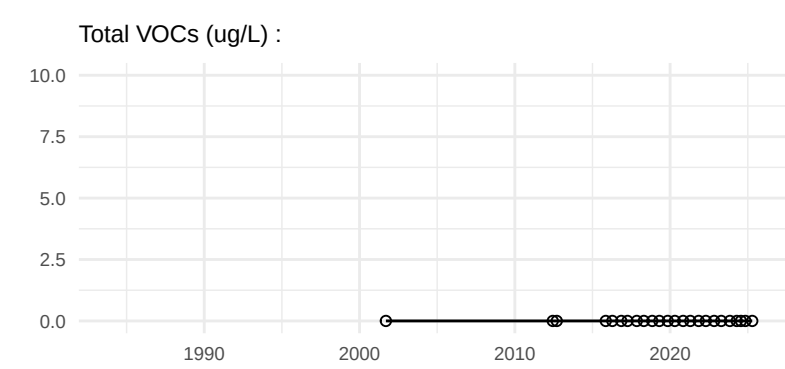
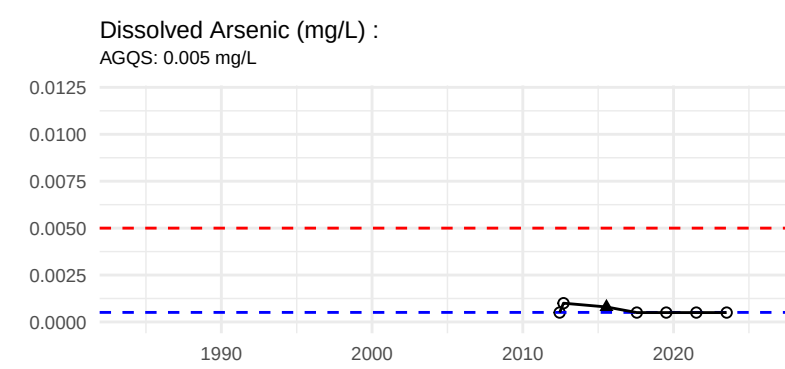
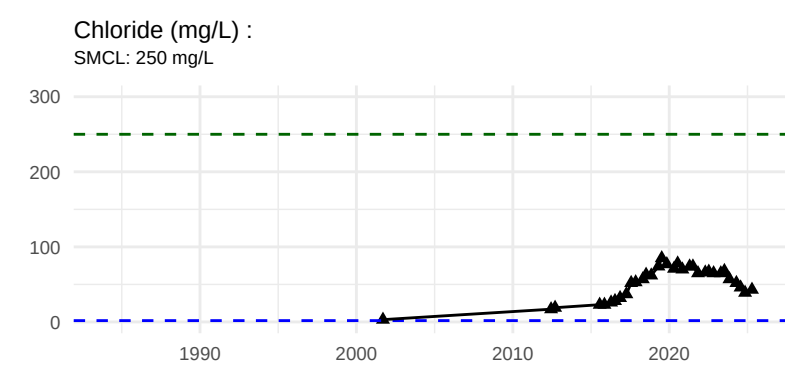
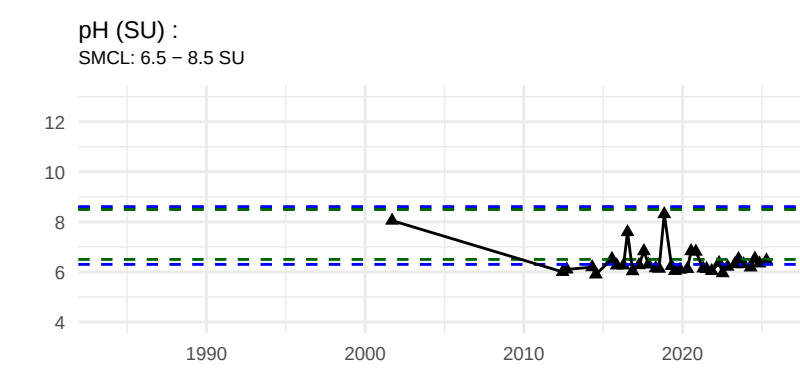
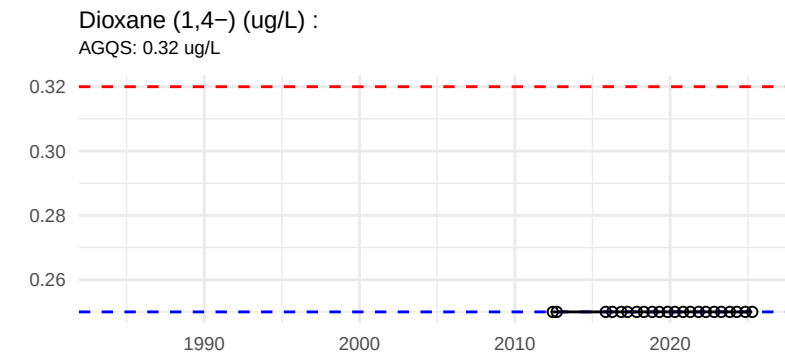
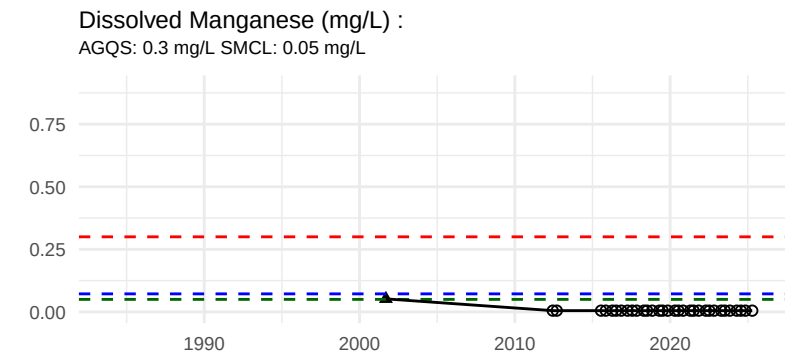
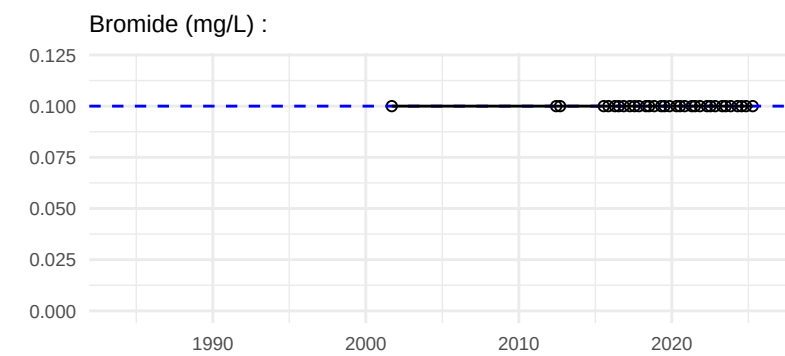
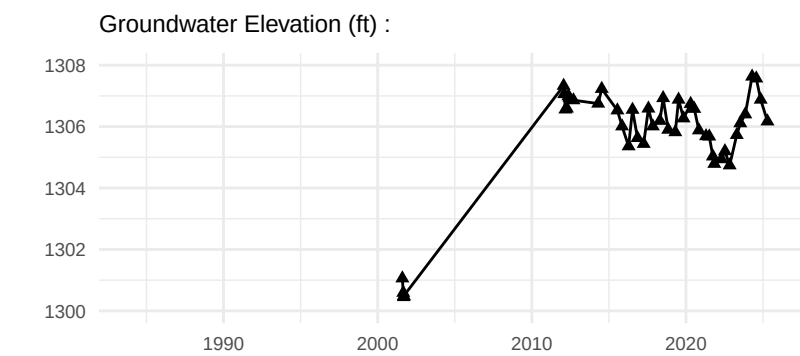
B-929L



RELEASE DETECTION WELLS OUTSIDE THE GMZ





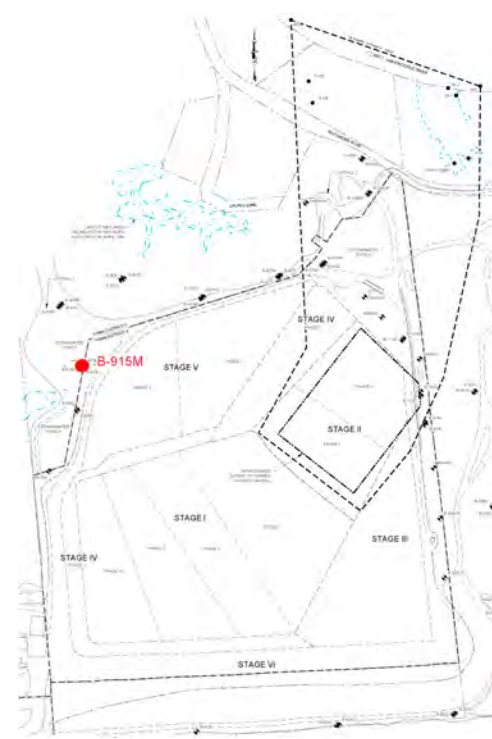


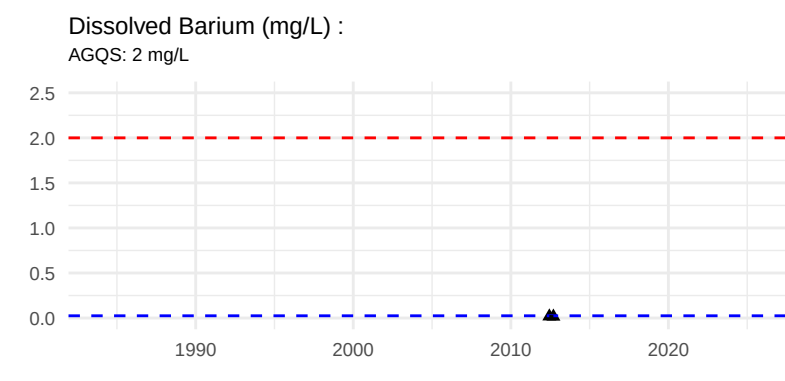
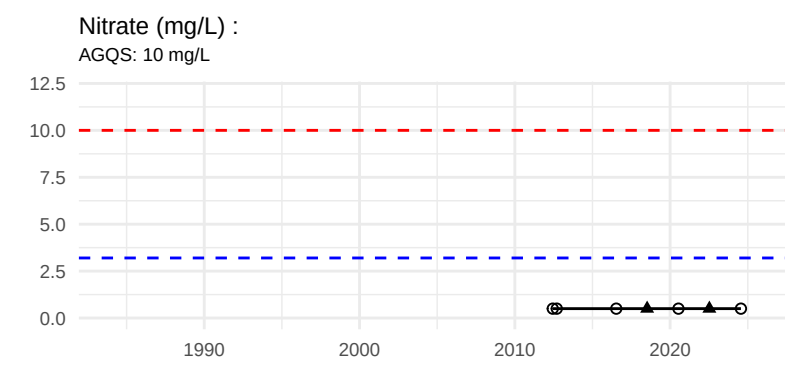
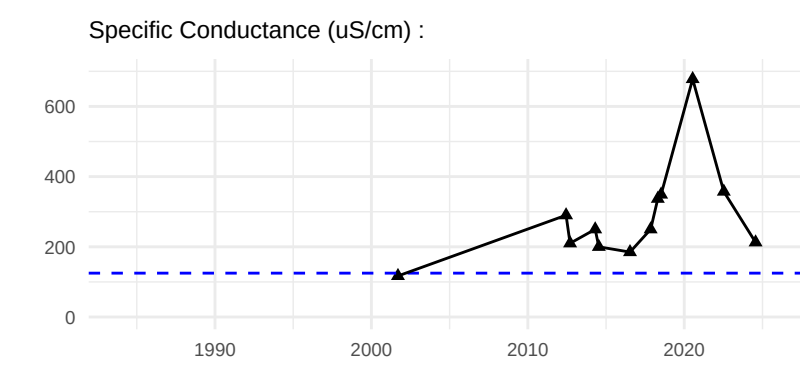
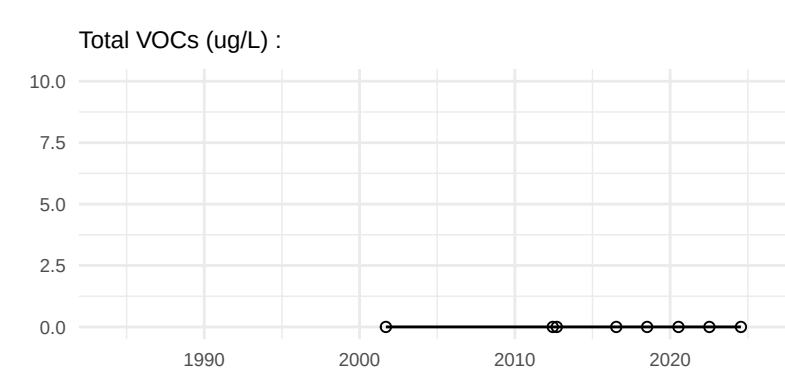
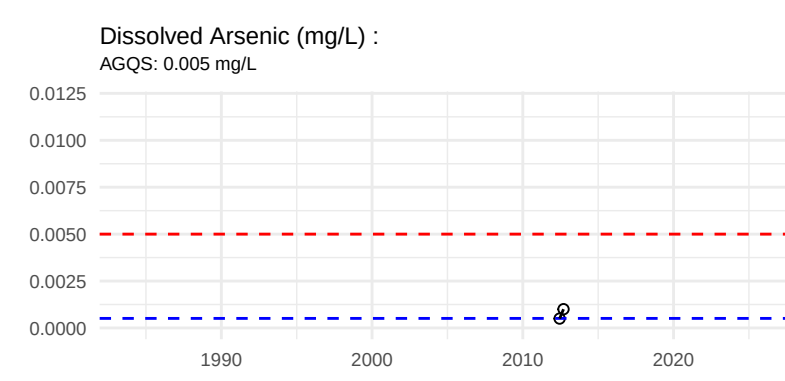
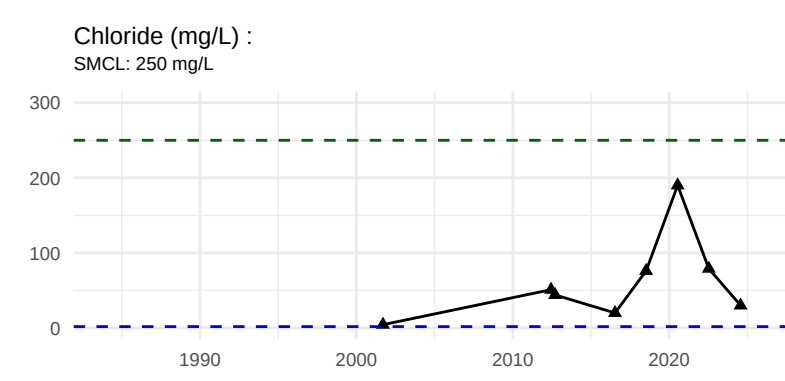
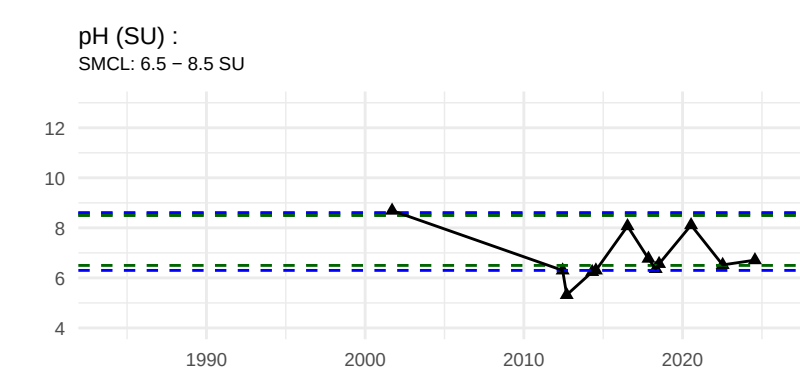
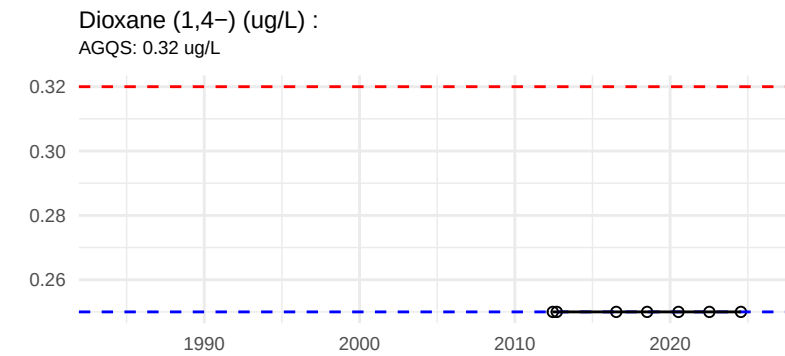
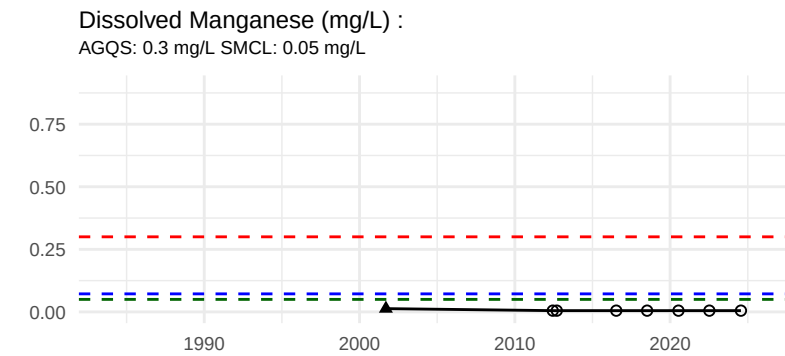
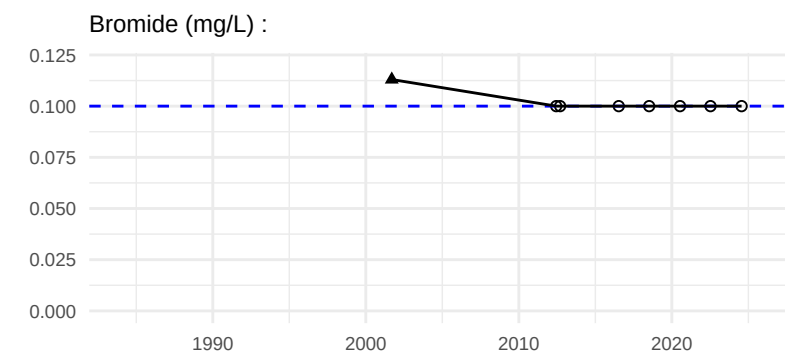
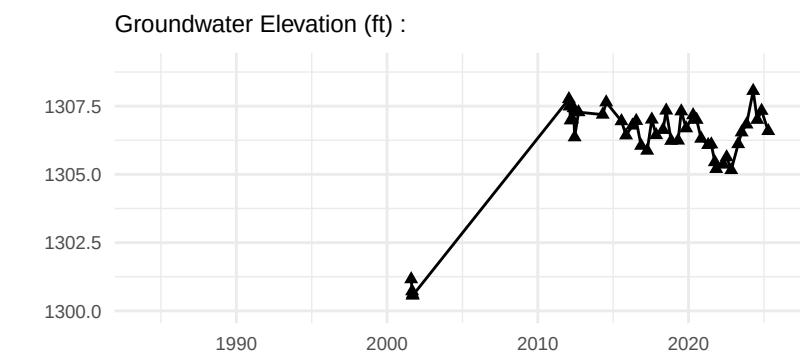
Result

- ▲ Detect
- Non-Detect

Standard

- - - AGQS
- - - SMCL
- - - Background



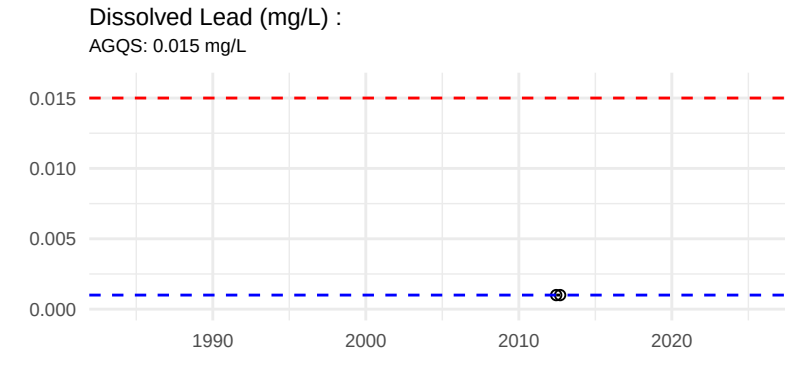
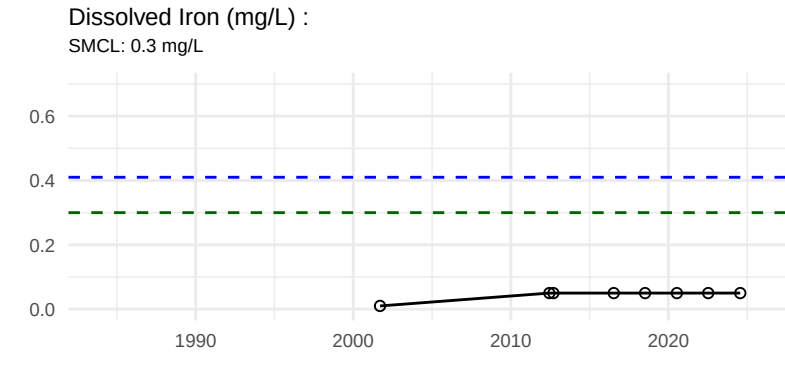
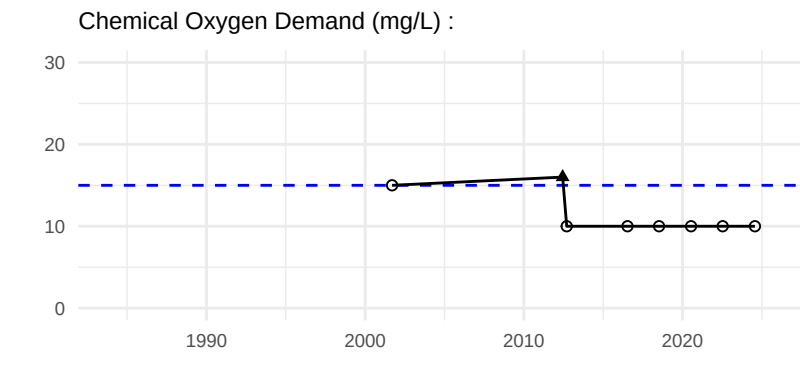
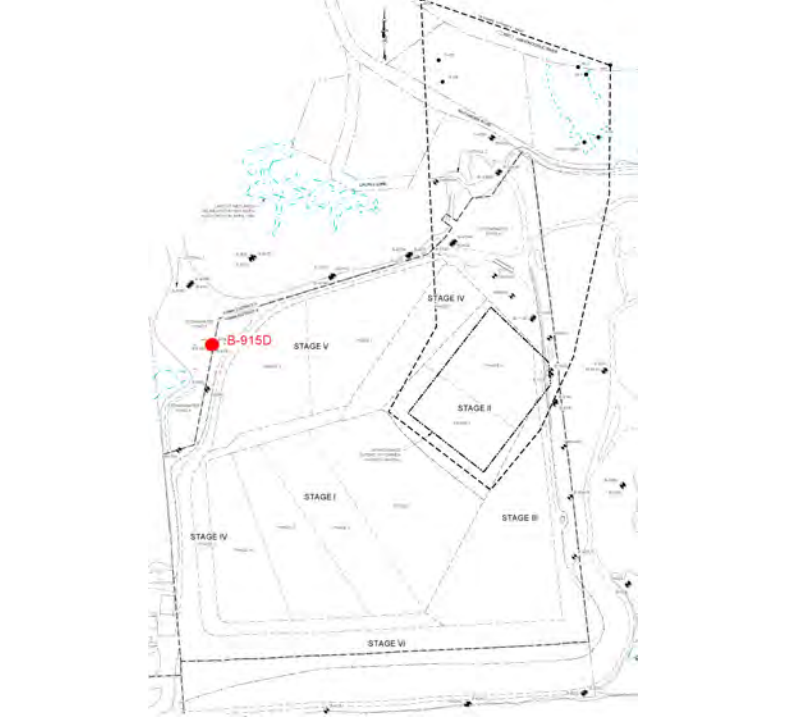
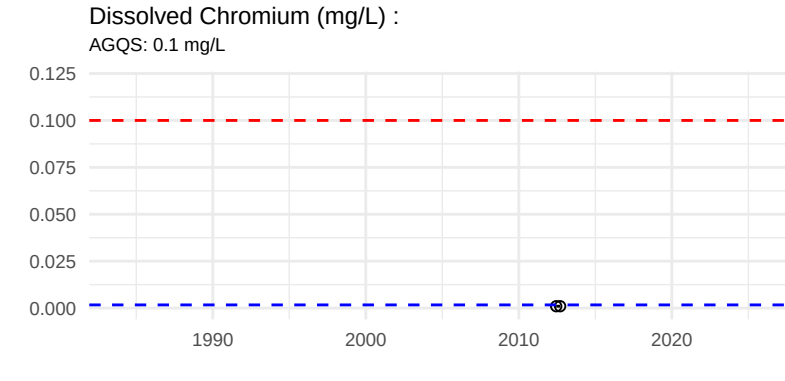
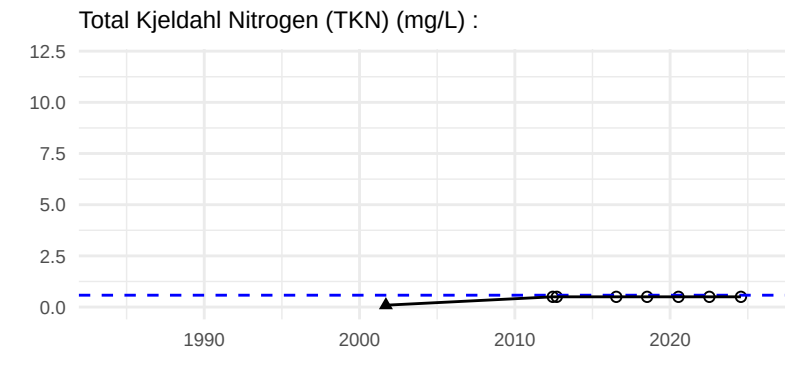
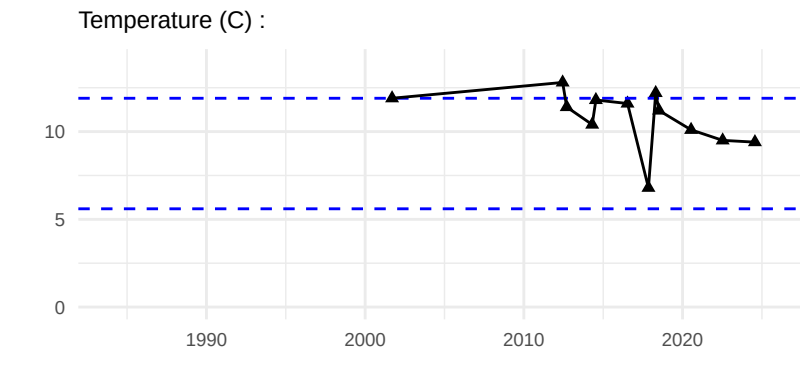


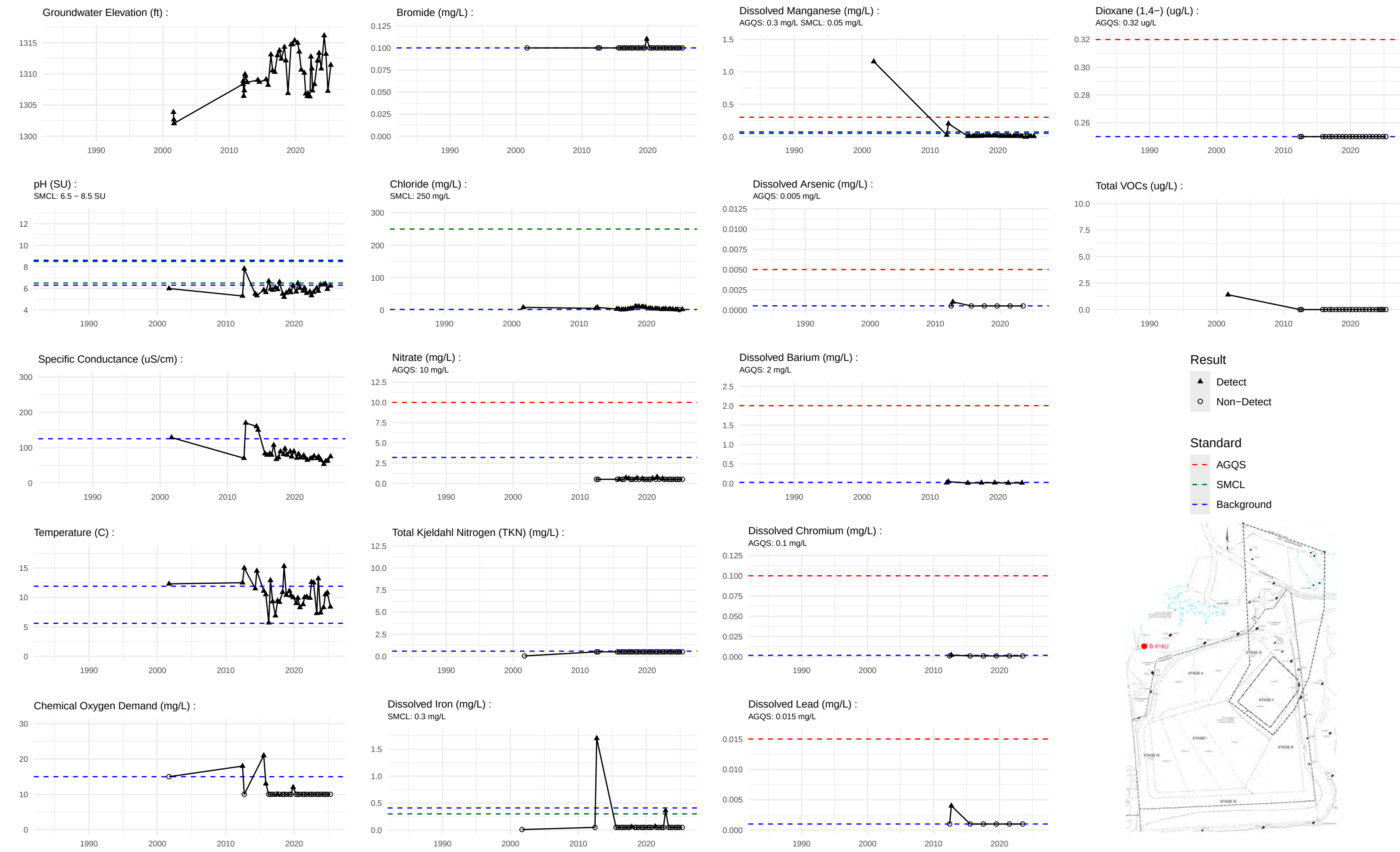
Result

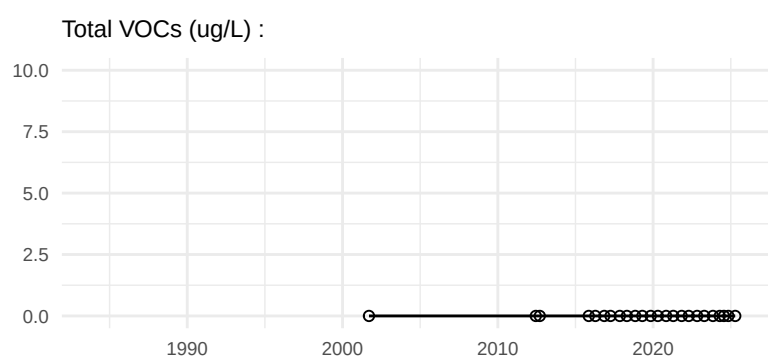
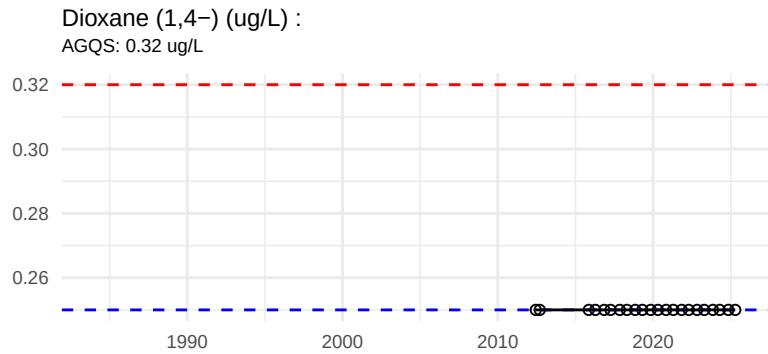
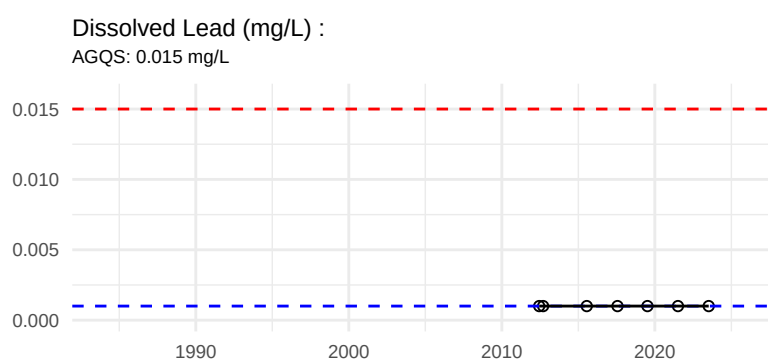
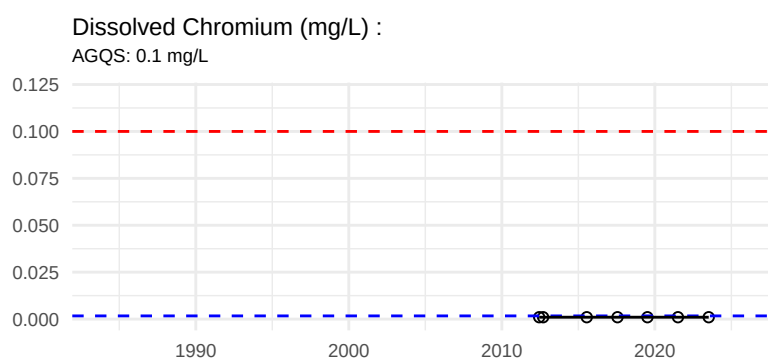
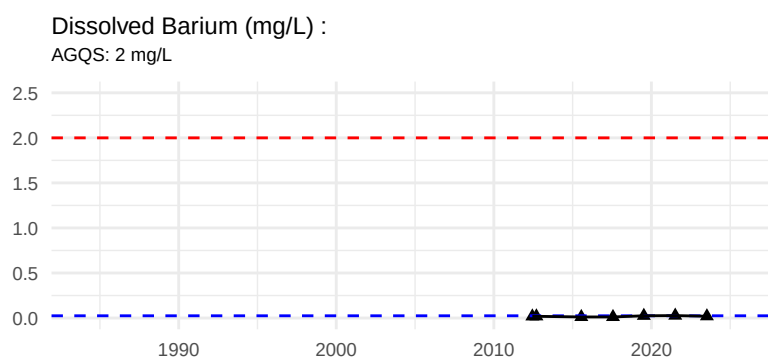
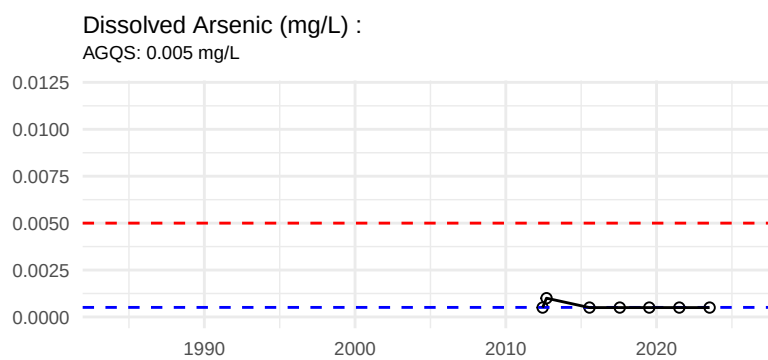
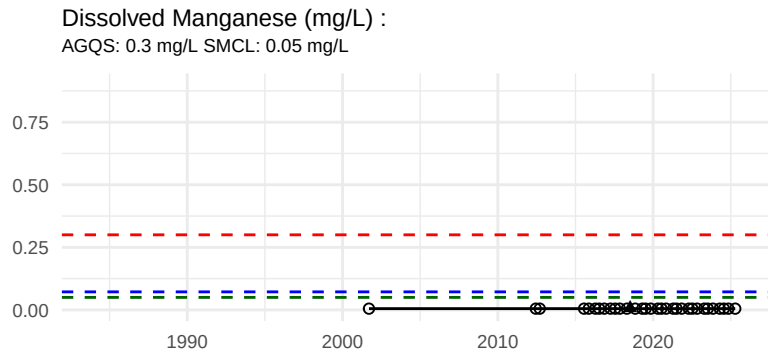
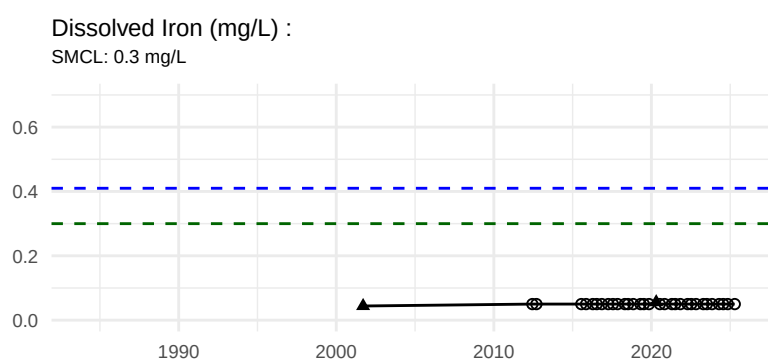
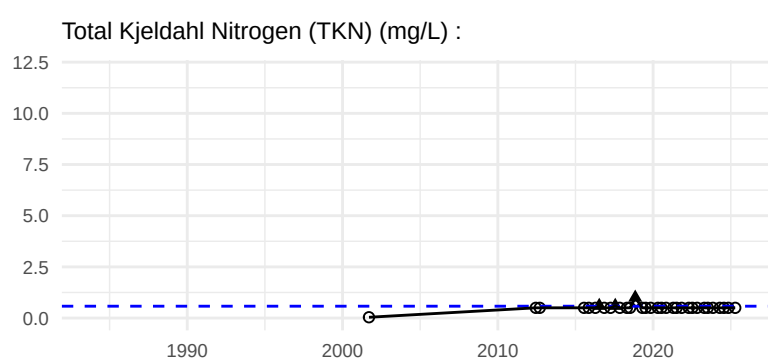
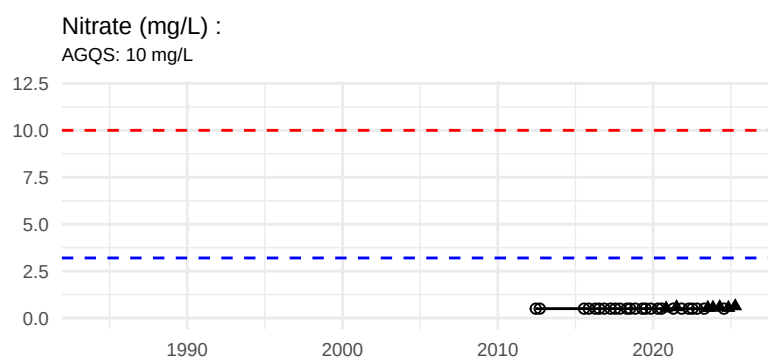
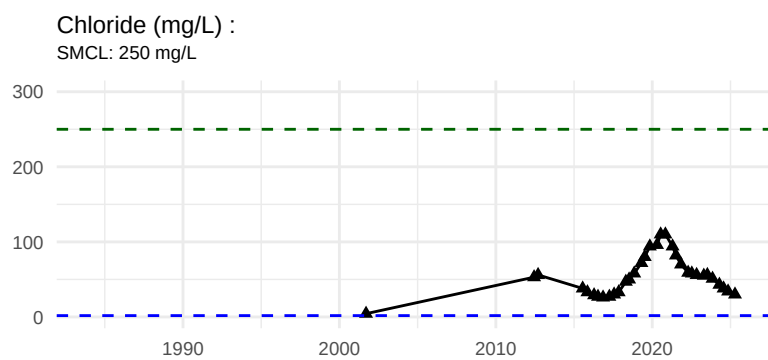
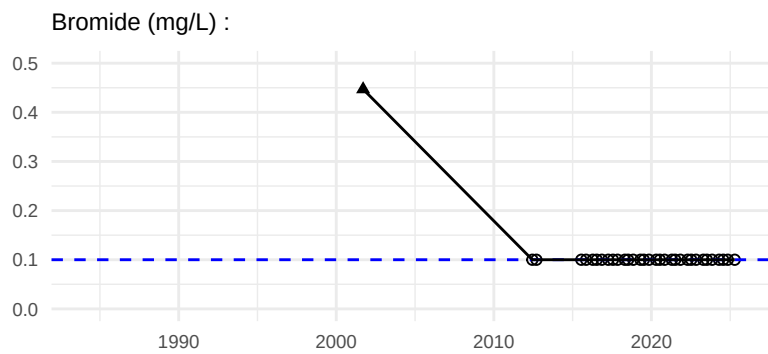
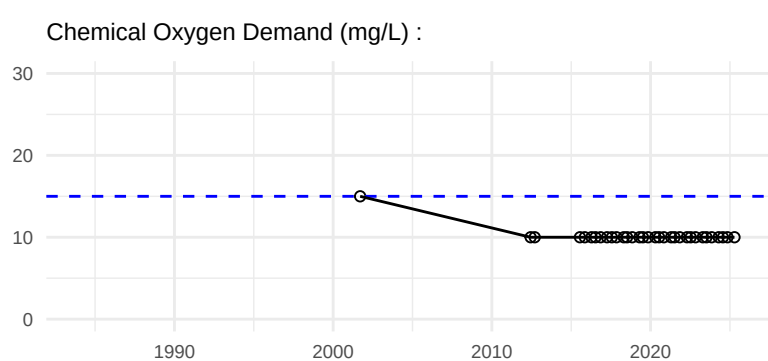
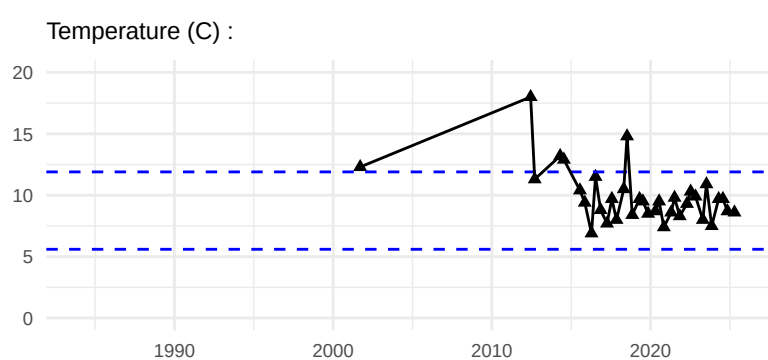
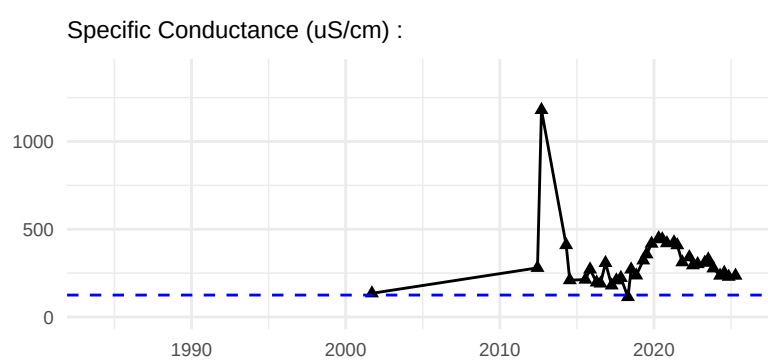
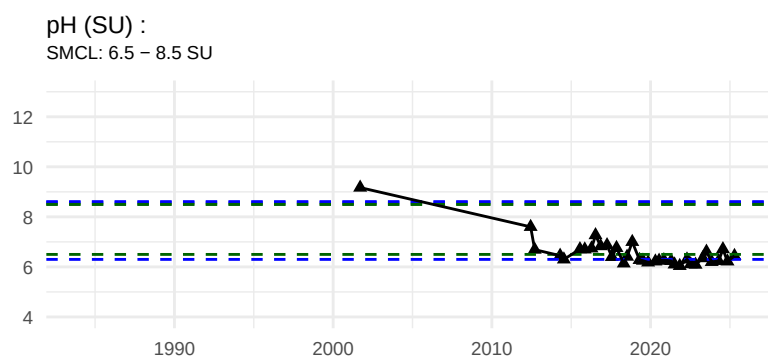
- ▲ Detect
- Non-Detect

Standard

- - - AGQS
- - - SMCL
- - - Background







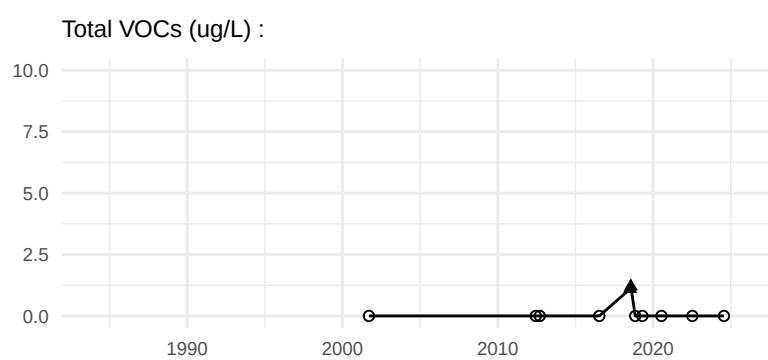
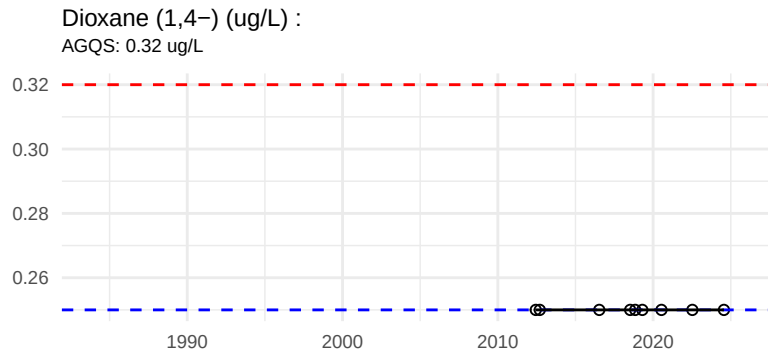
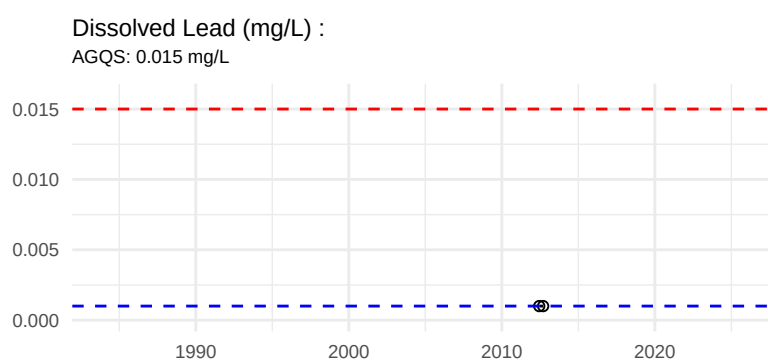
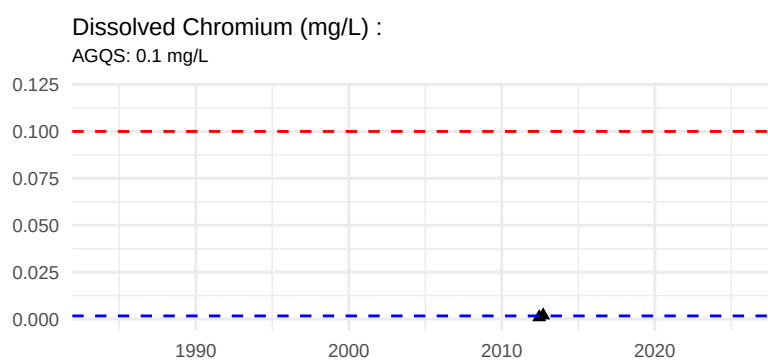
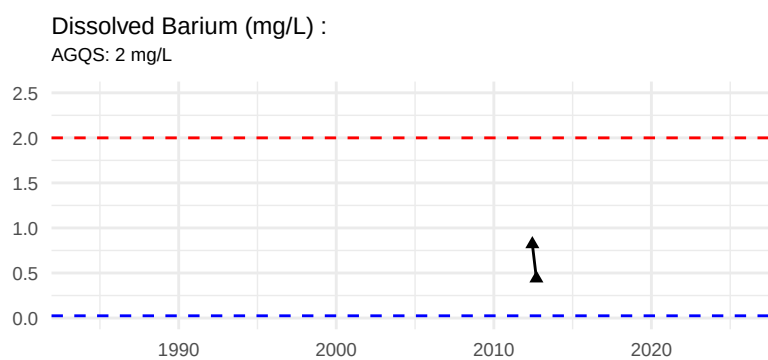
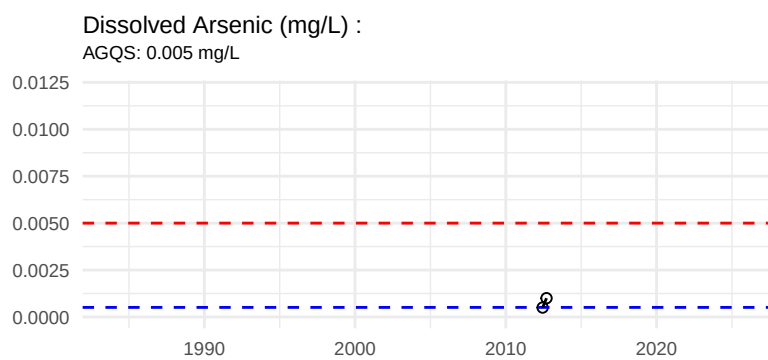
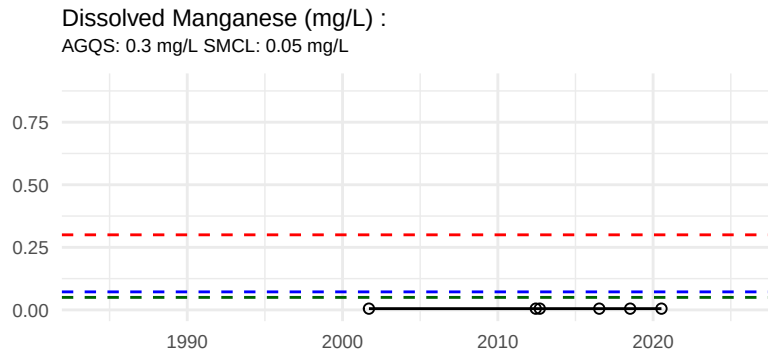
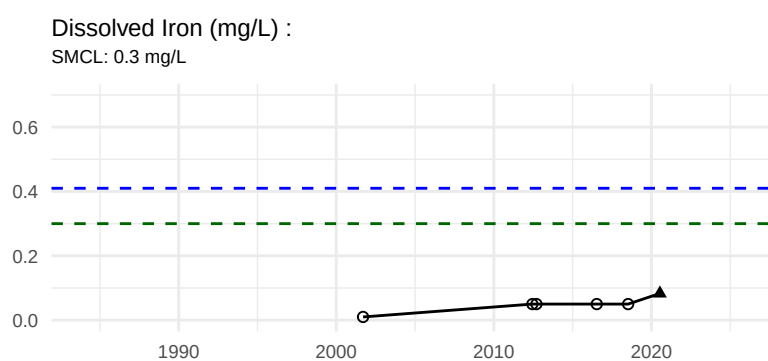
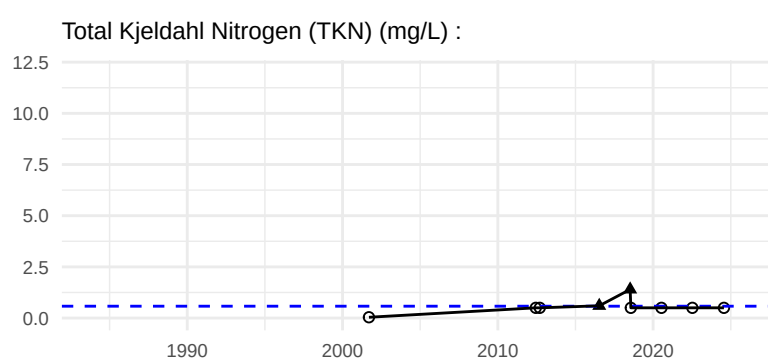
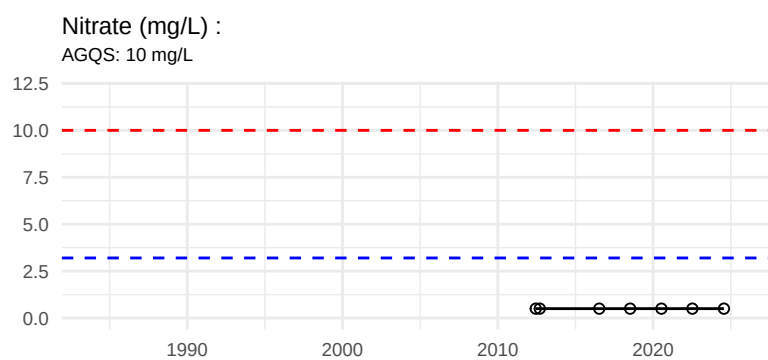
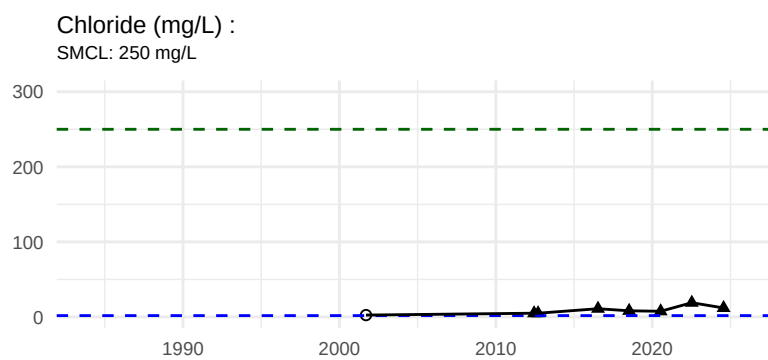
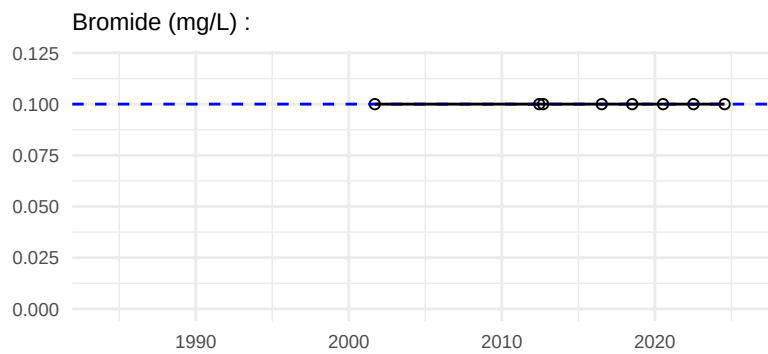
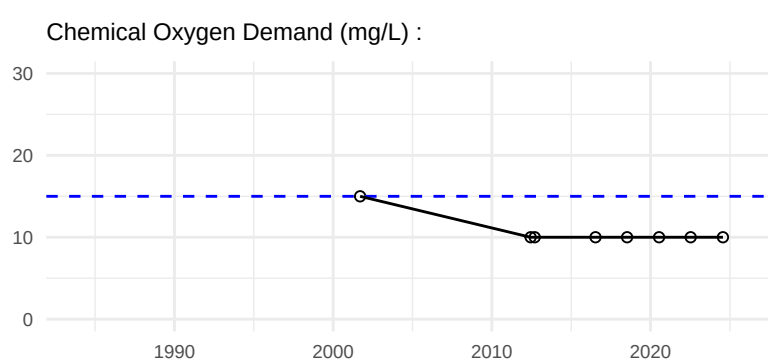
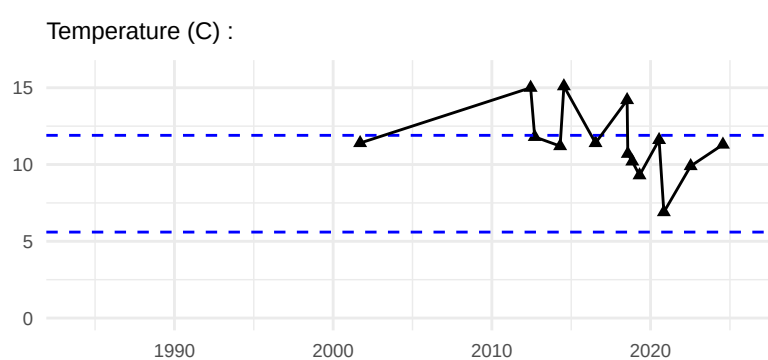
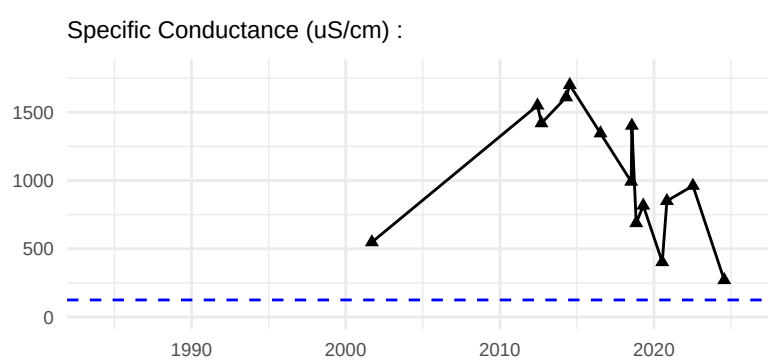
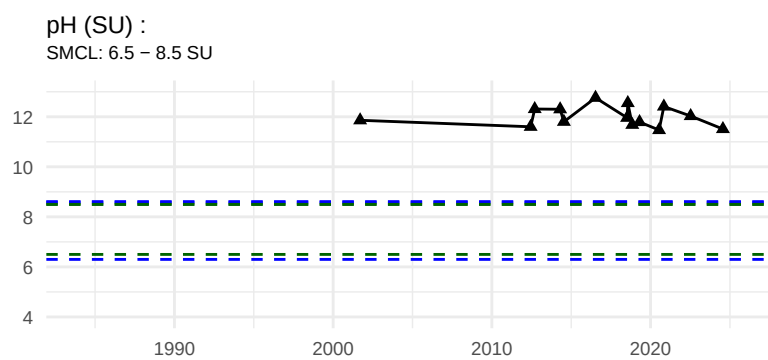
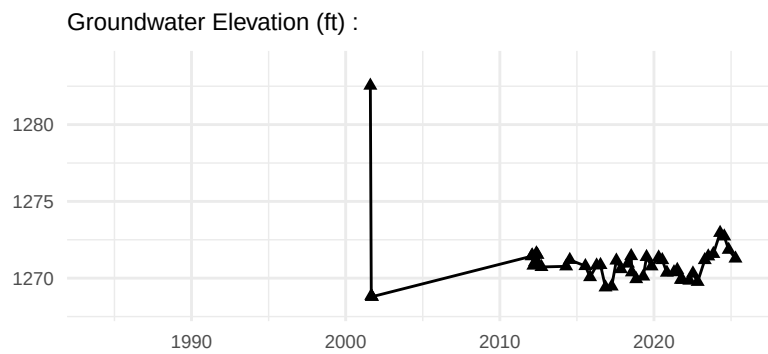
Result

- ▲ Detect
- Non-Detect

Standard

- AGQS
- SMCL
- Background



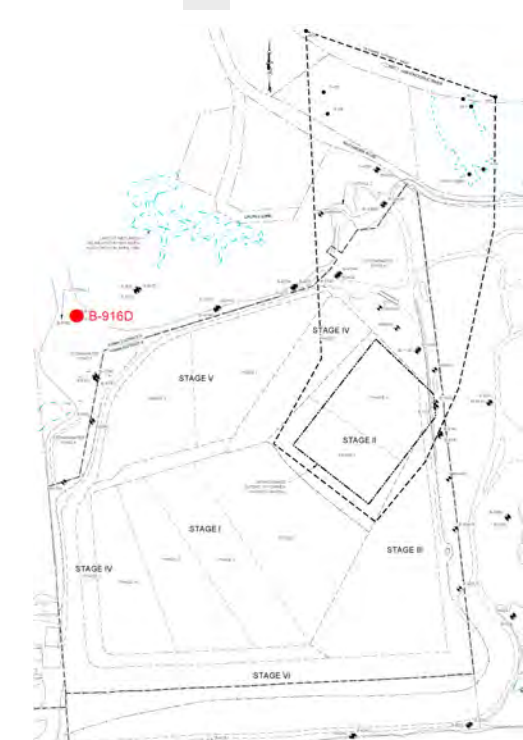


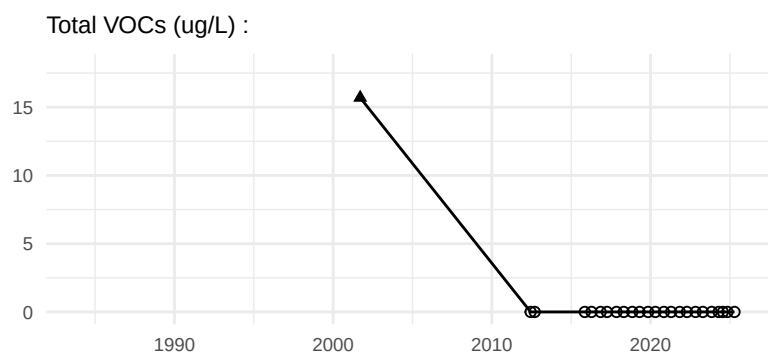
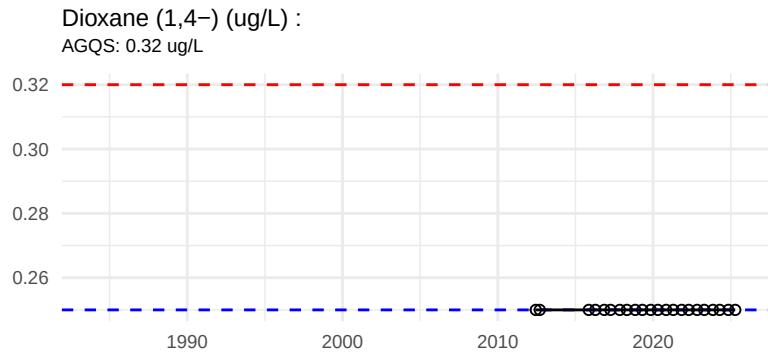
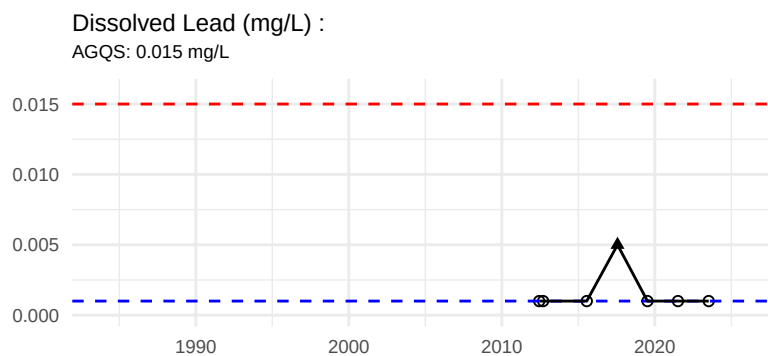
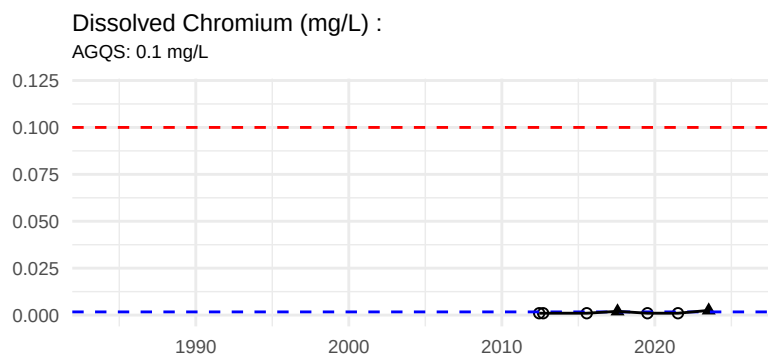
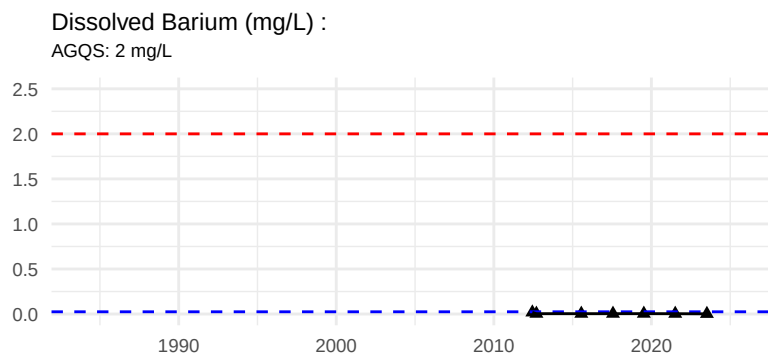
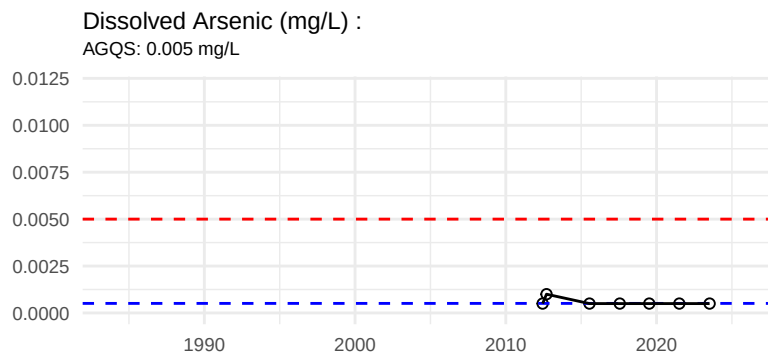
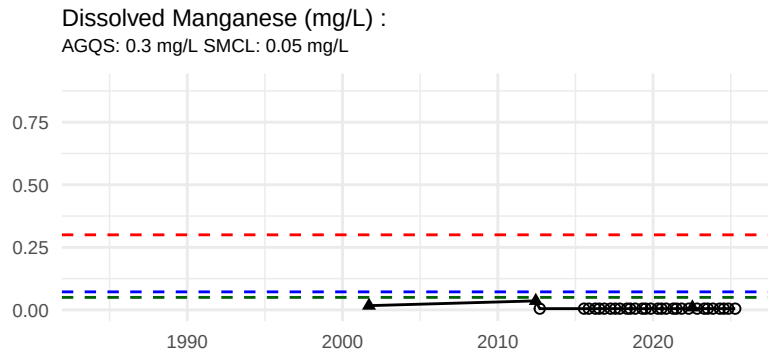
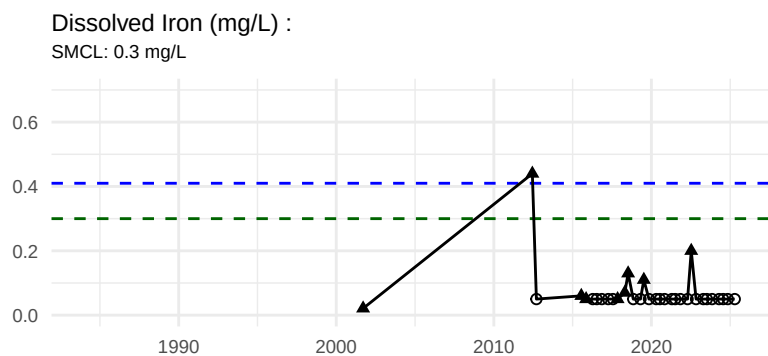
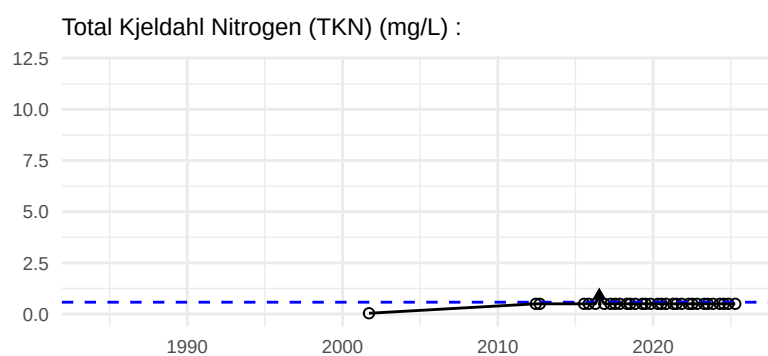
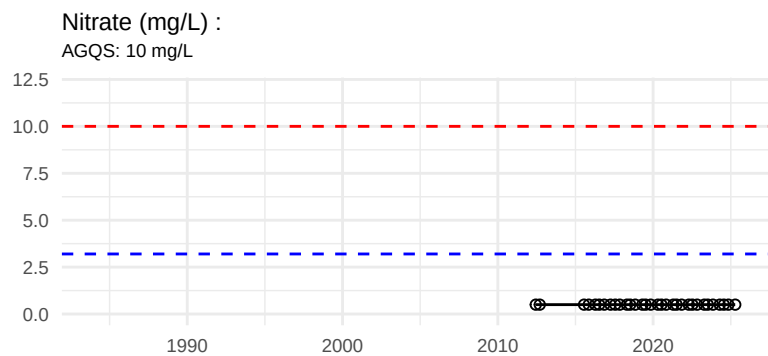
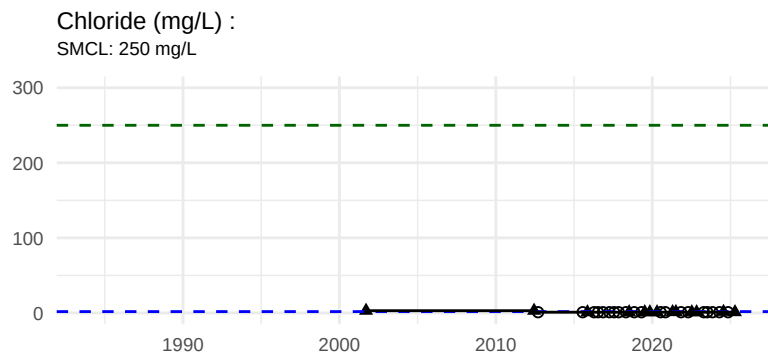
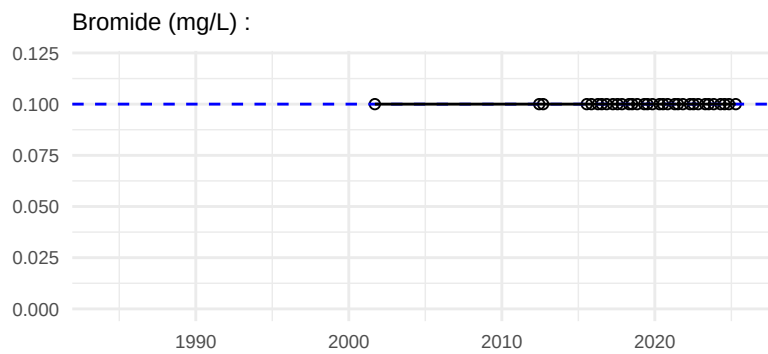
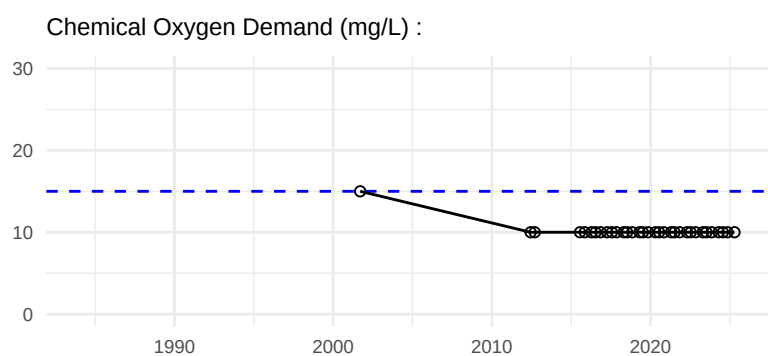
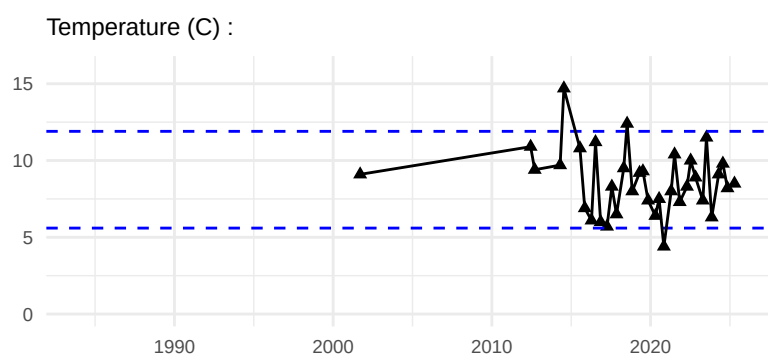
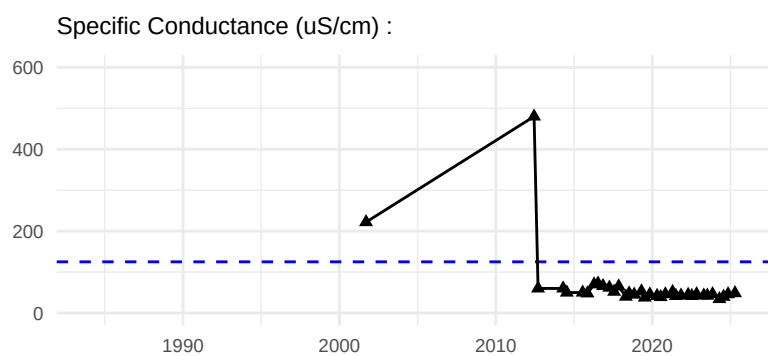
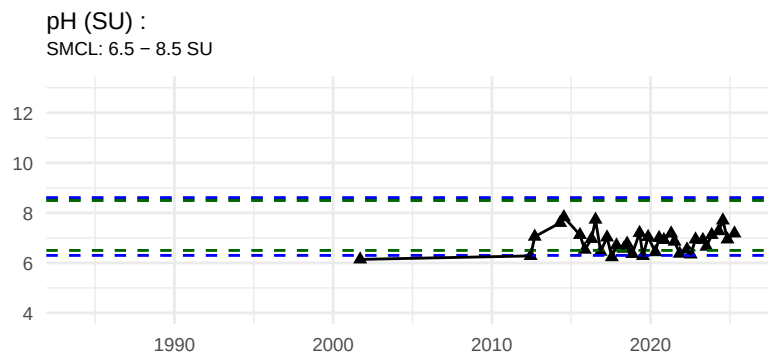
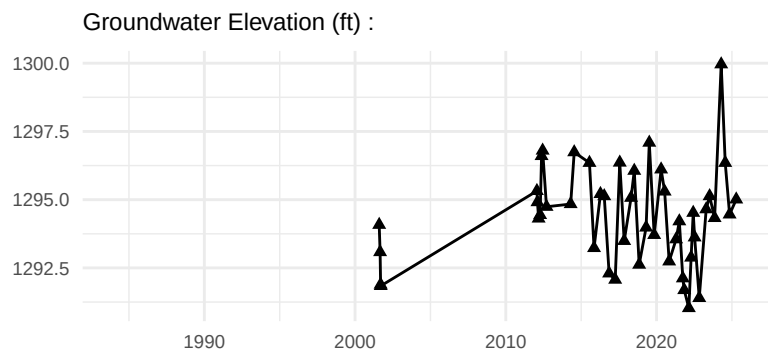
Result

- ▲ Detect
- Non-Detect

Standard

- - - AGQS
- - - SMCL
- - - Background



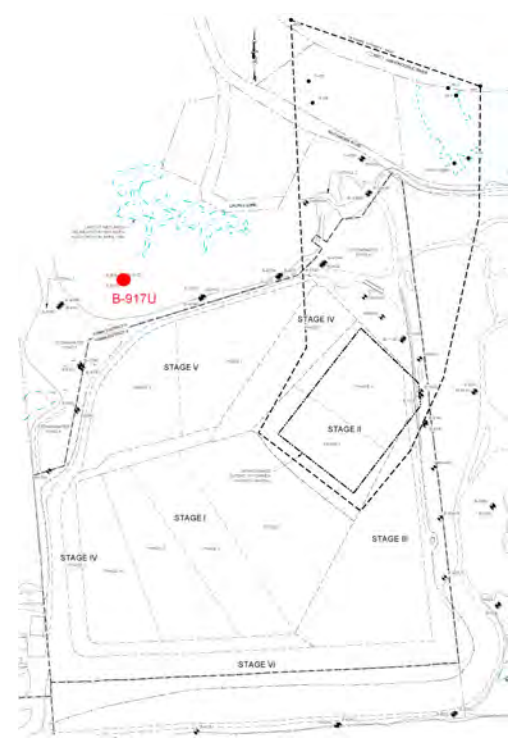


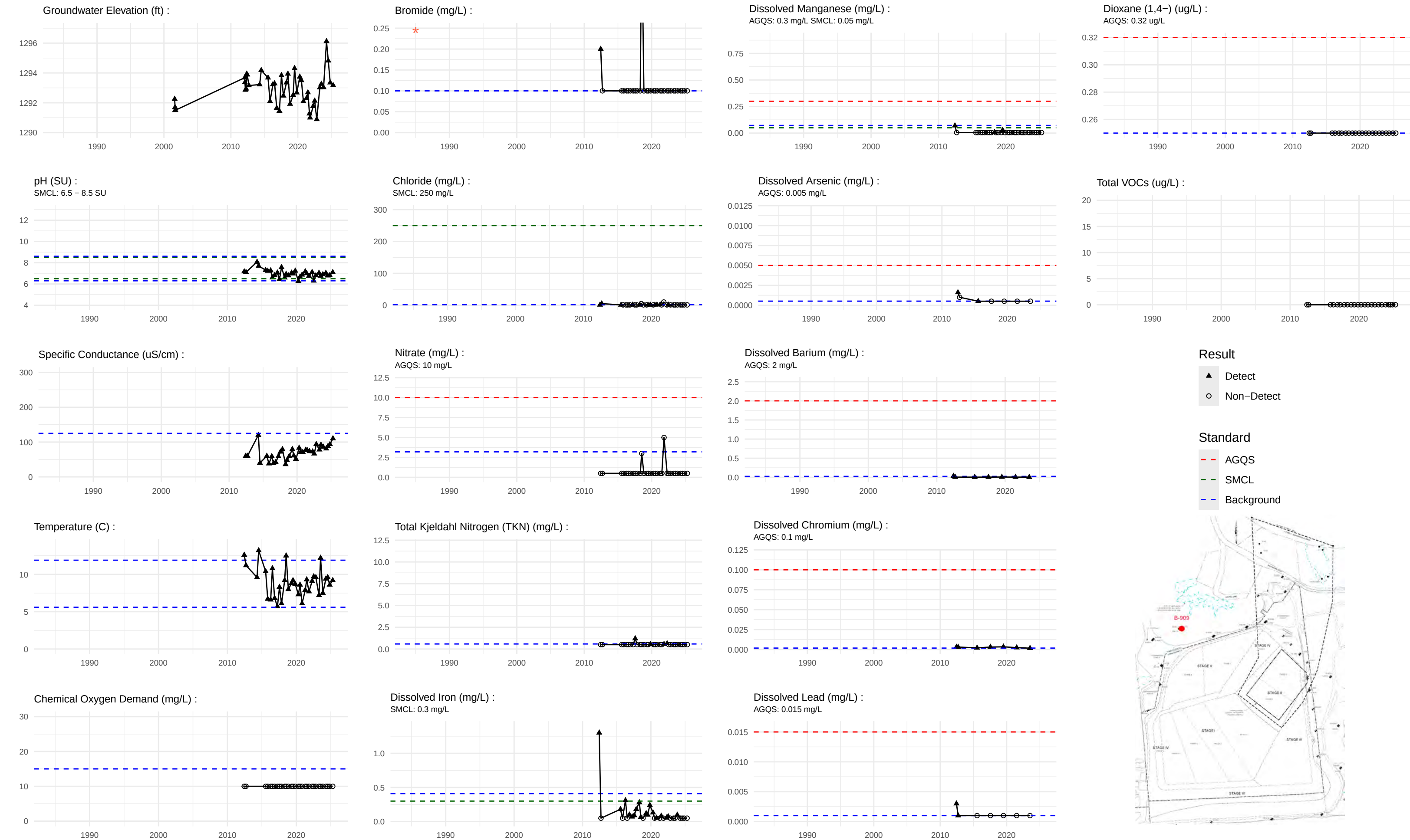
Result

- ▲ Detect
- Non-Detect

Standard

- AGQS
- SMCL
- Background





Result

▲ Detect

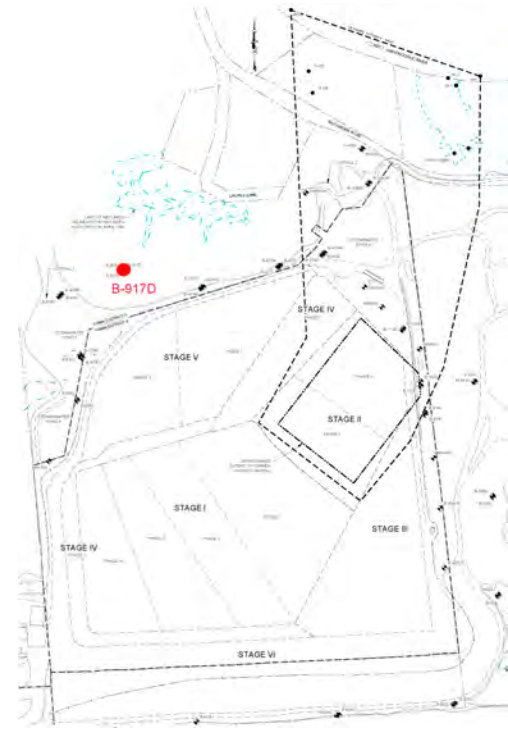
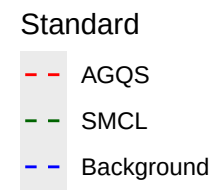
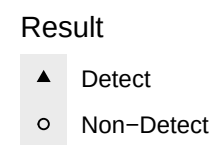
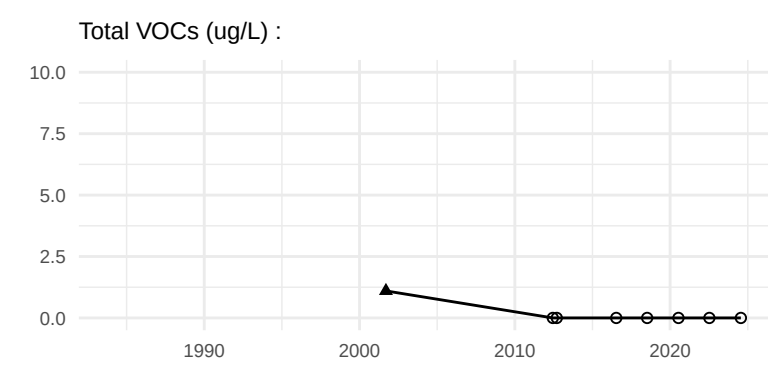
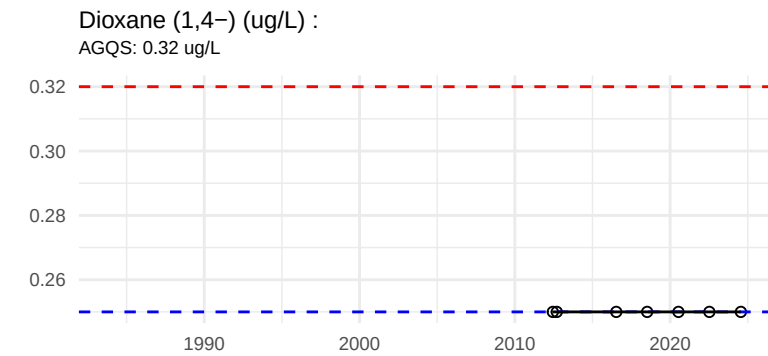
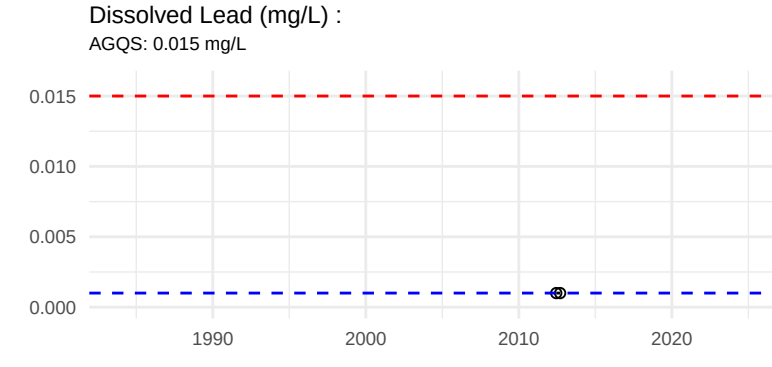
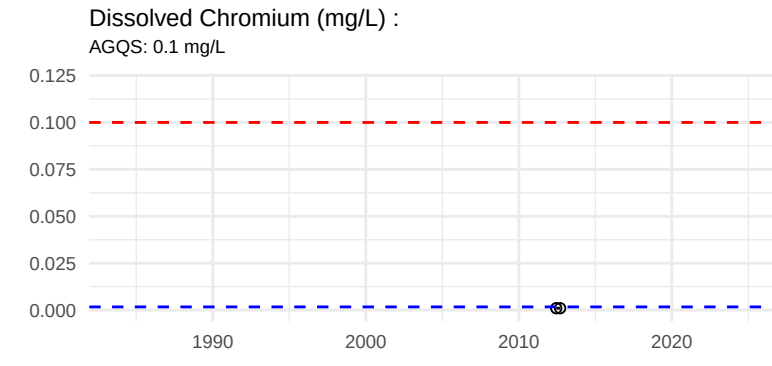
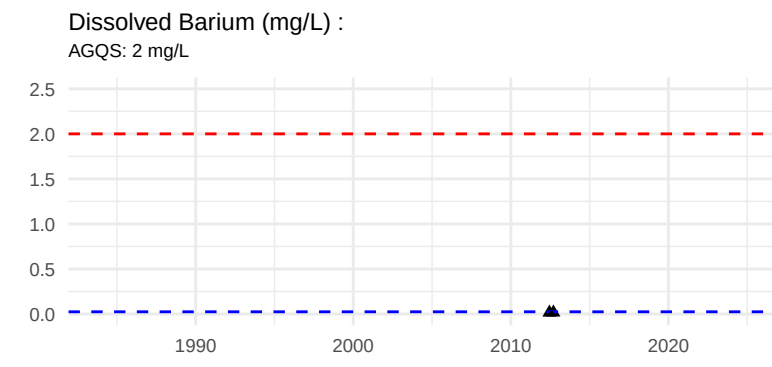
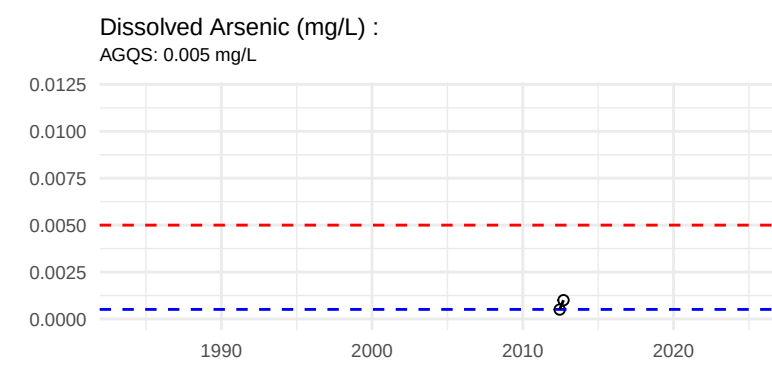
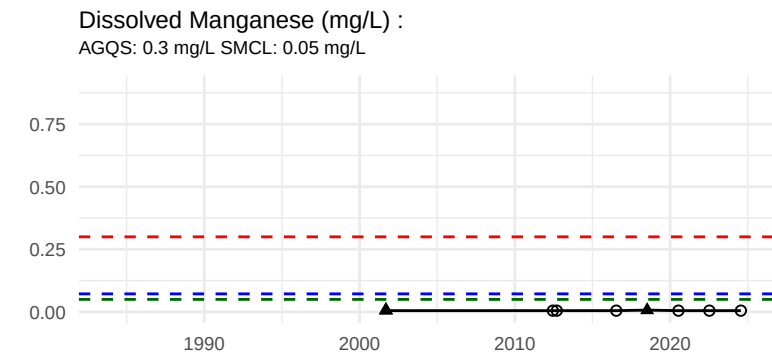
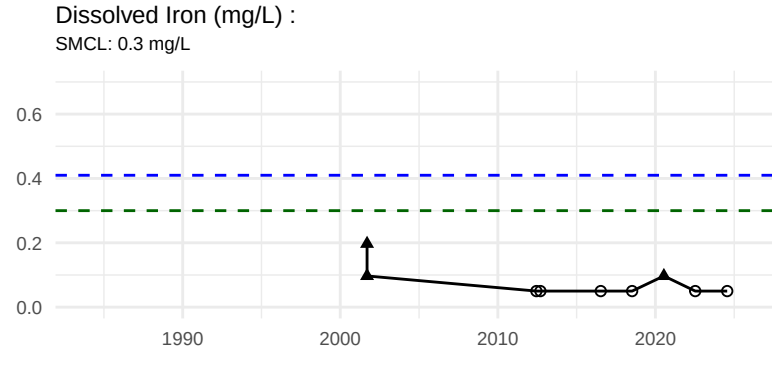
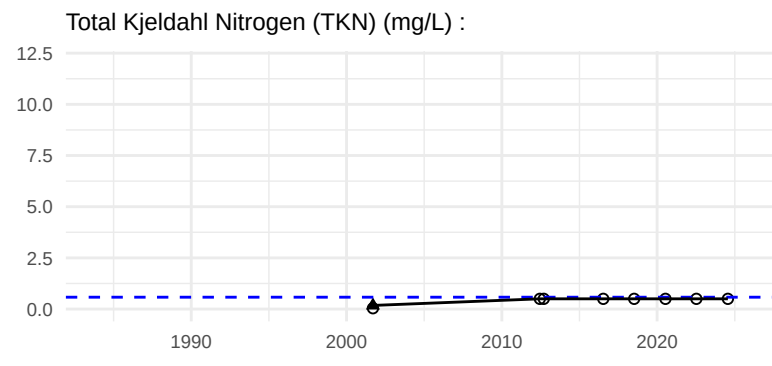
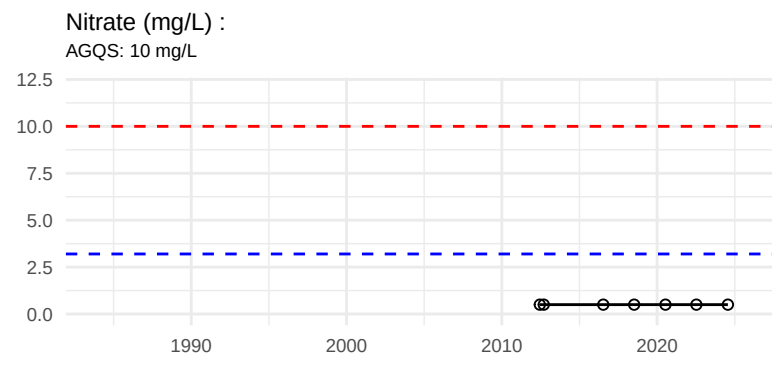
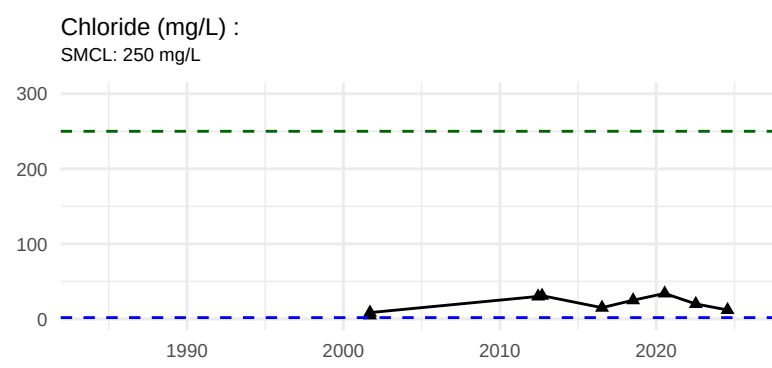
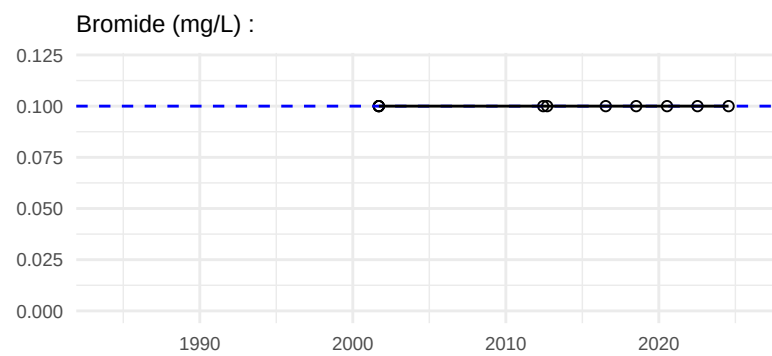
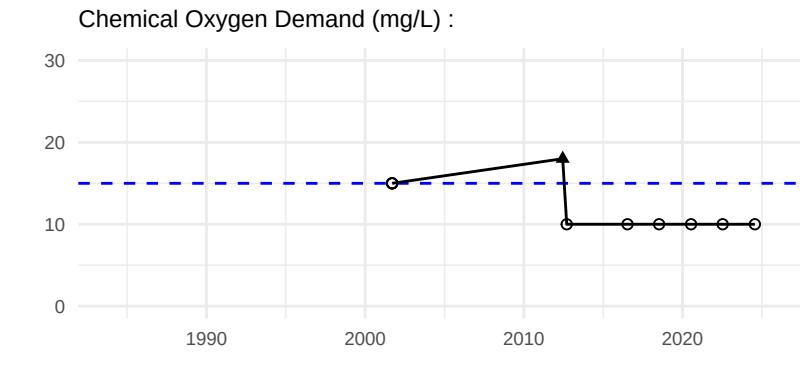
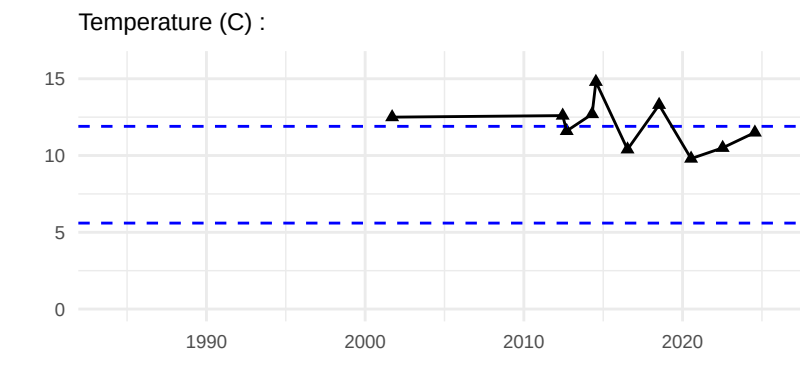
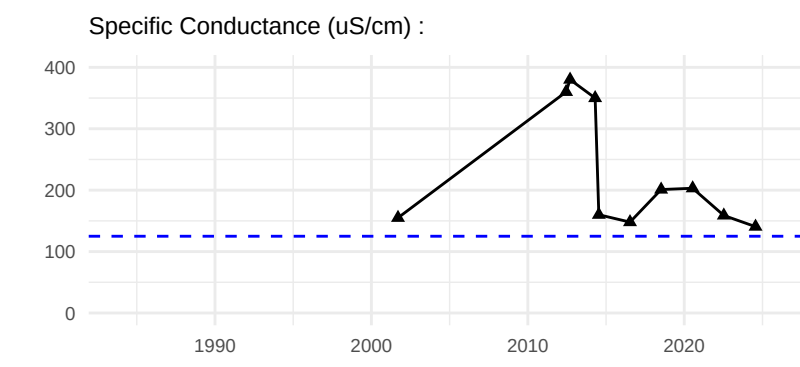
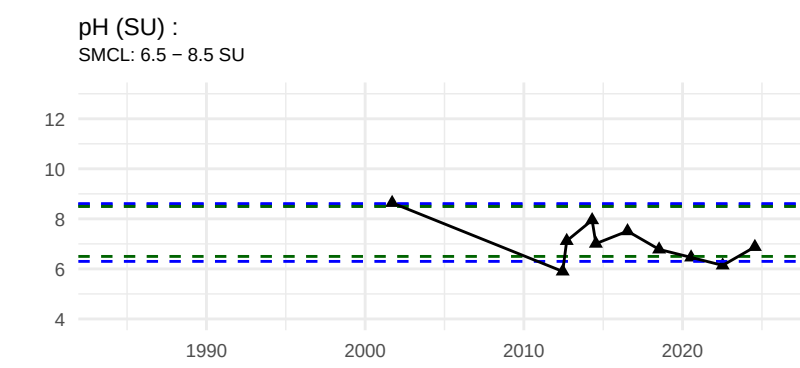
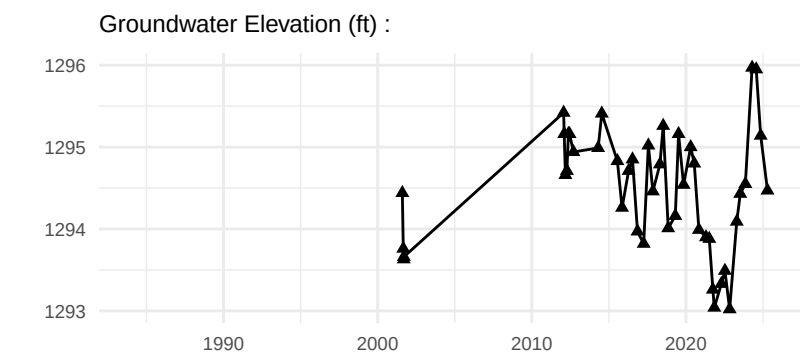
○ Non-Detect

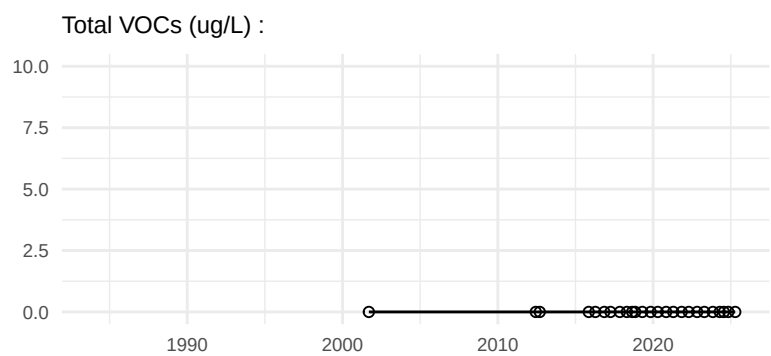
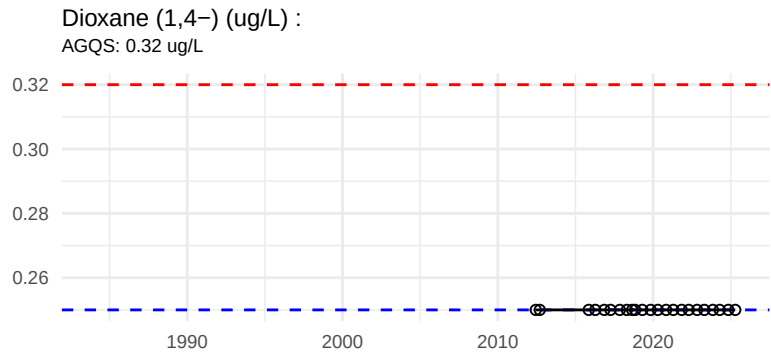
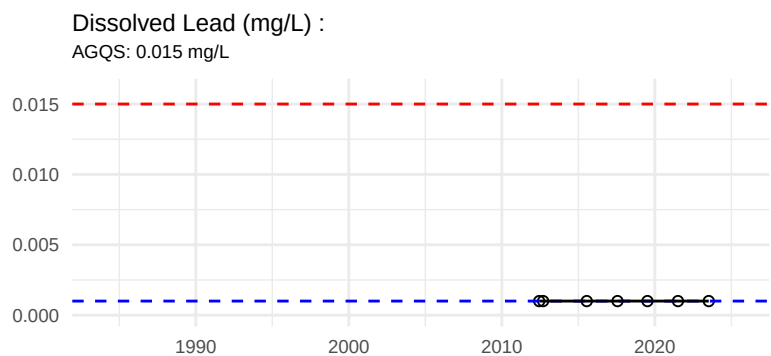
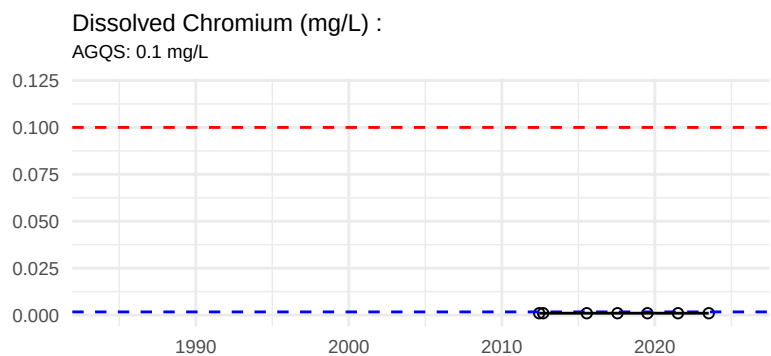
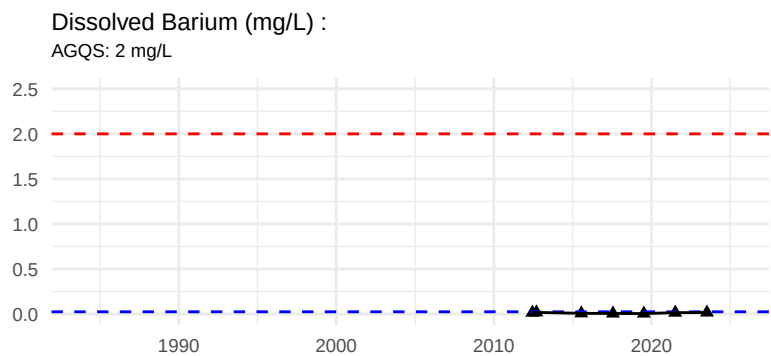
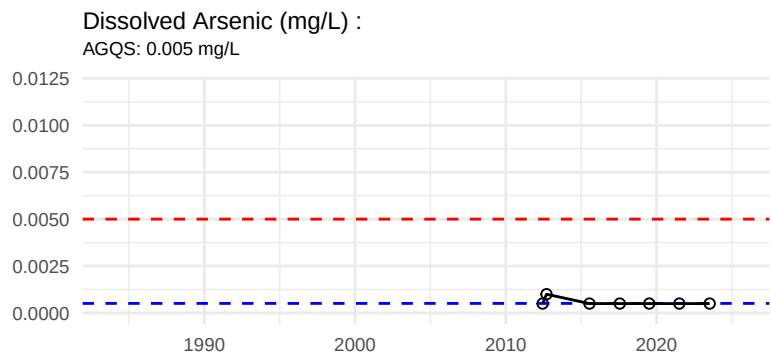
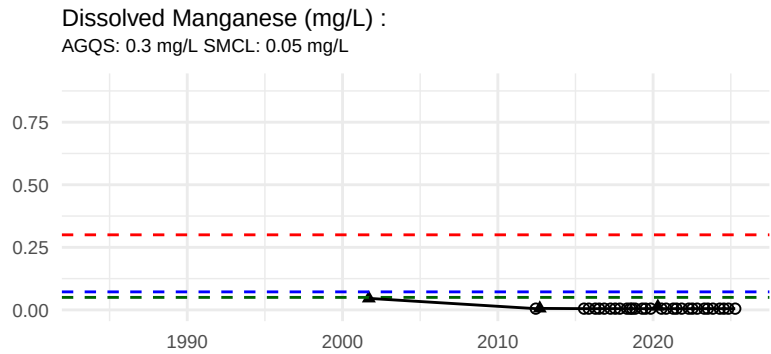
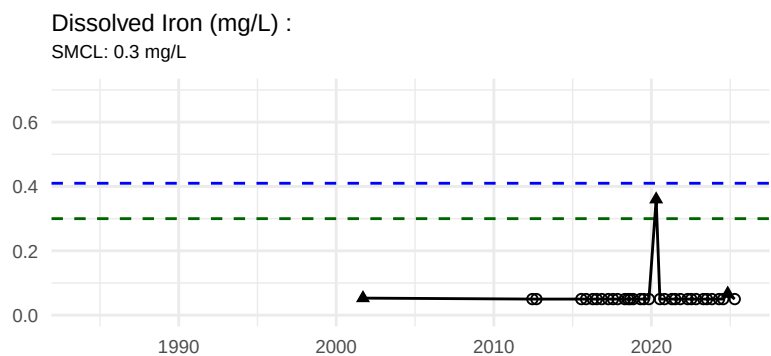
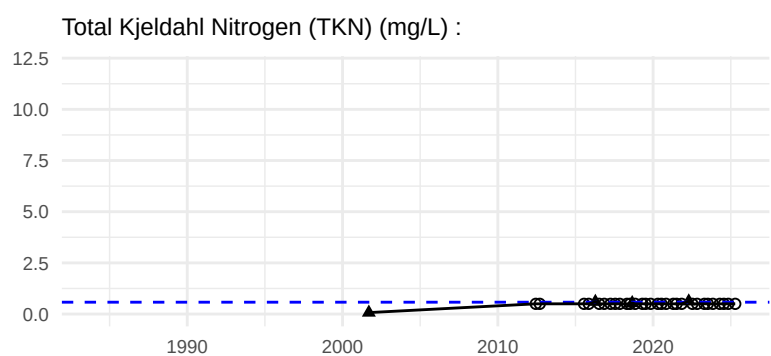
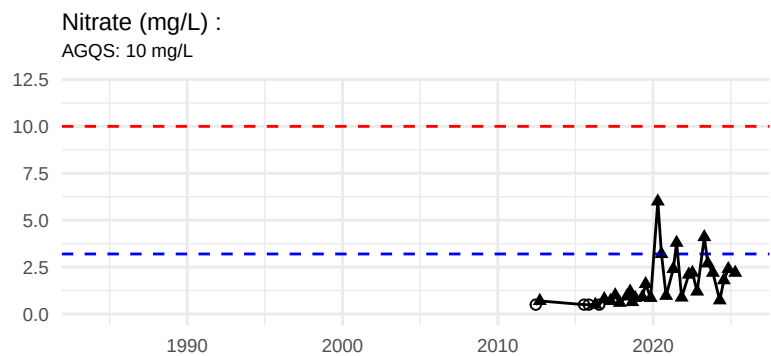
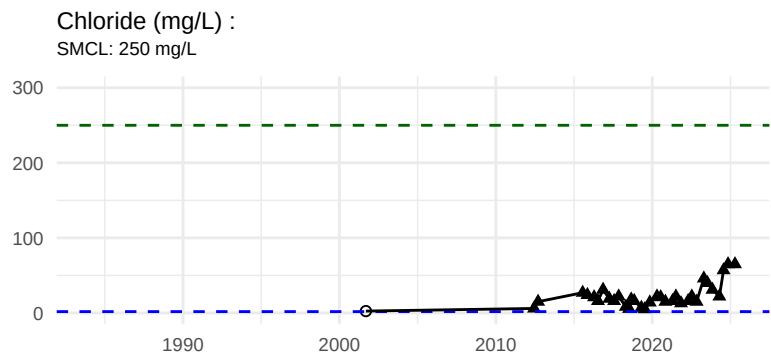
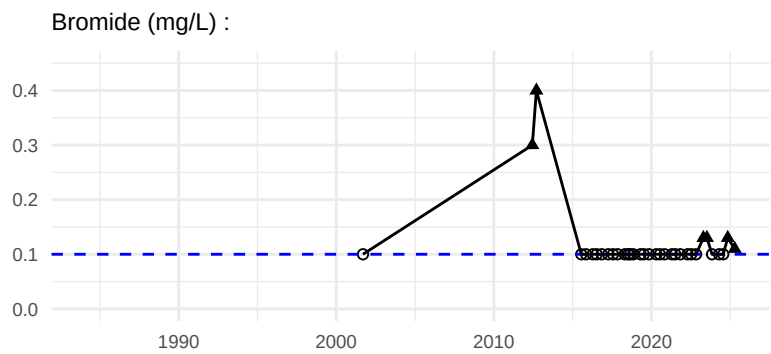
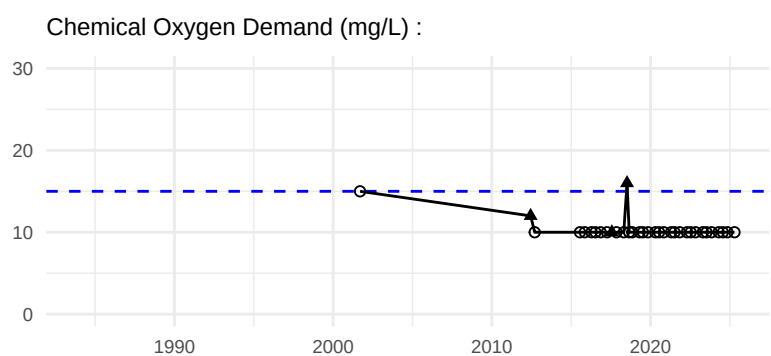
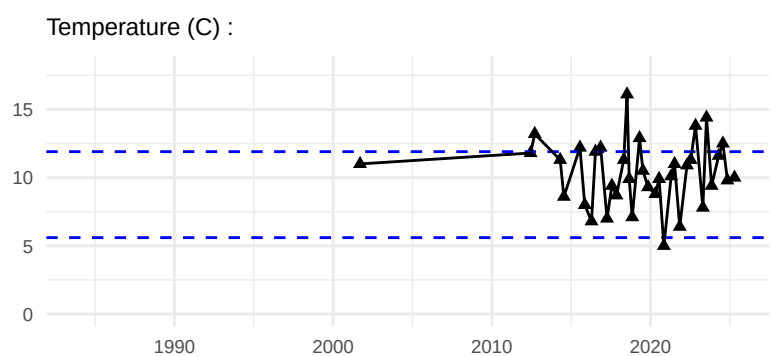
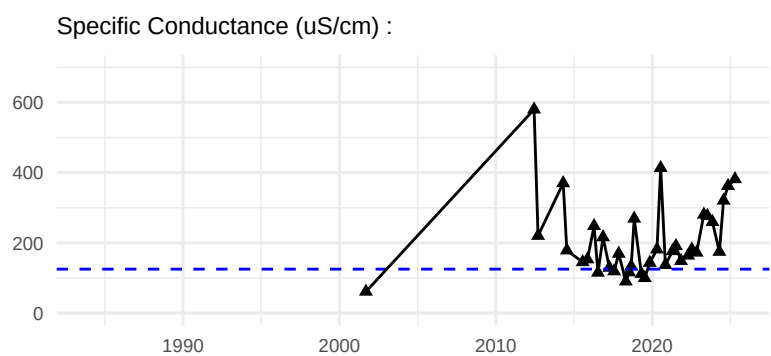
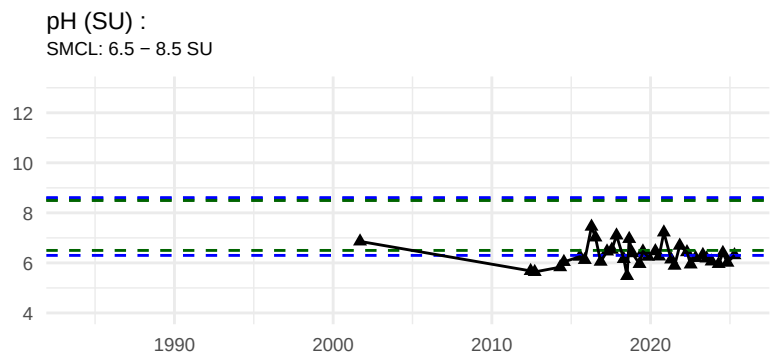
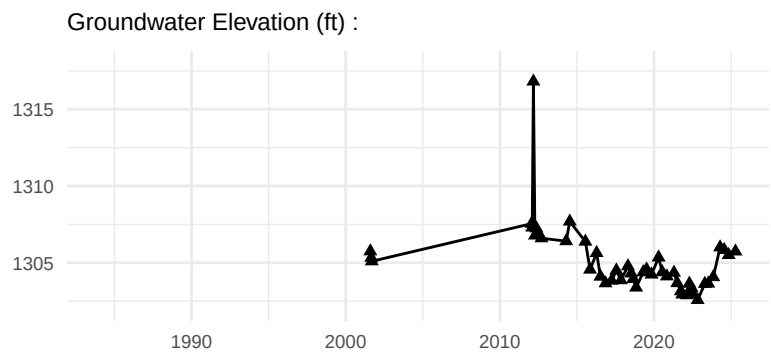
Standard

--- AGQS

--- SMCL

--- Background



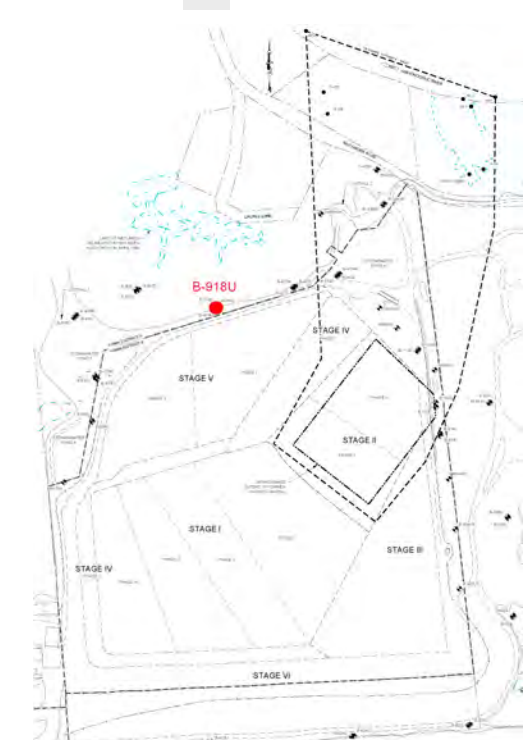


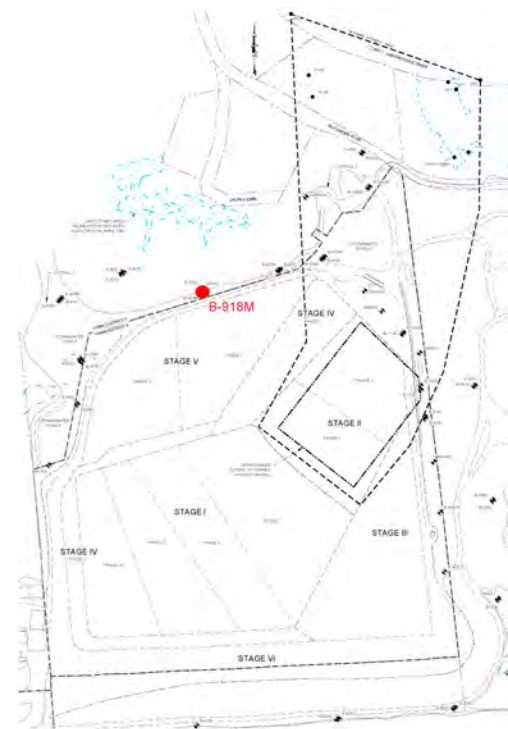
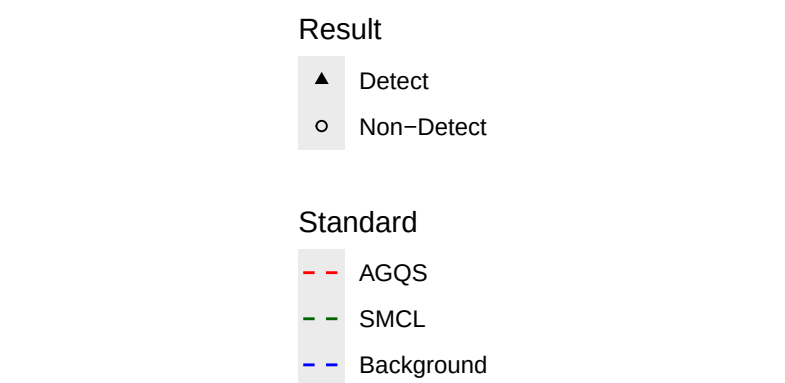
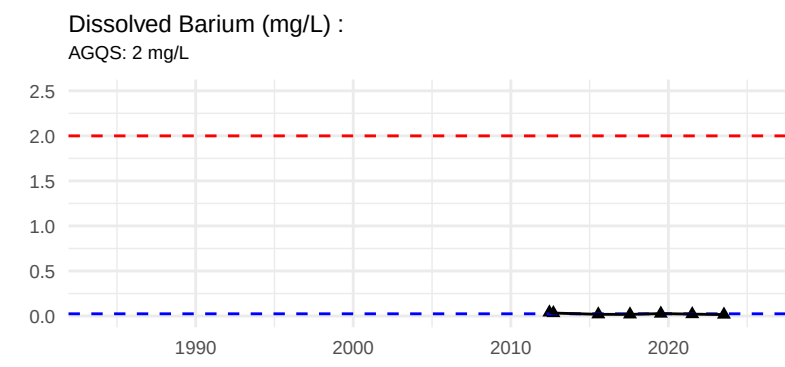
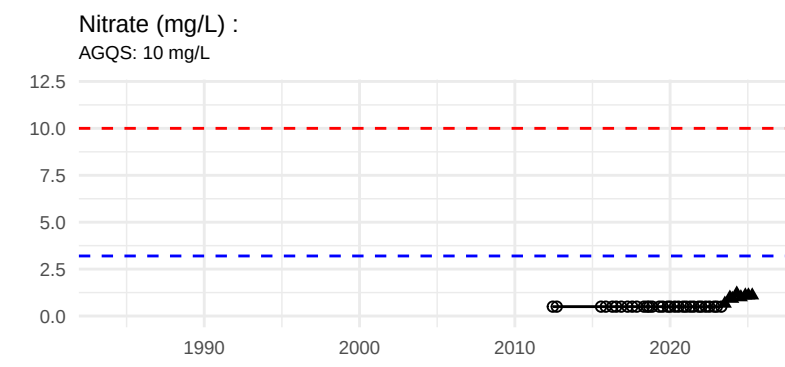
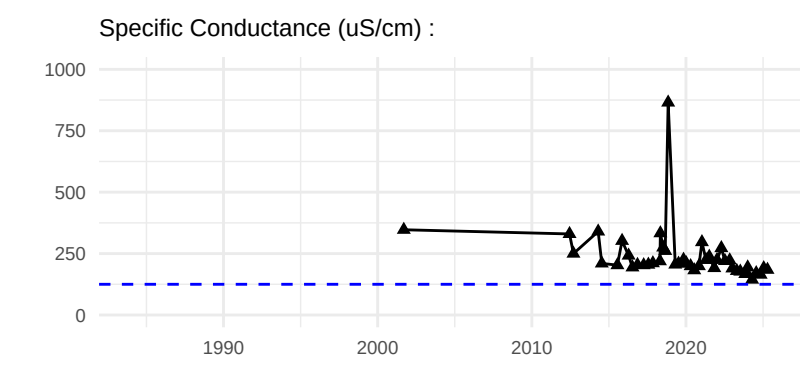
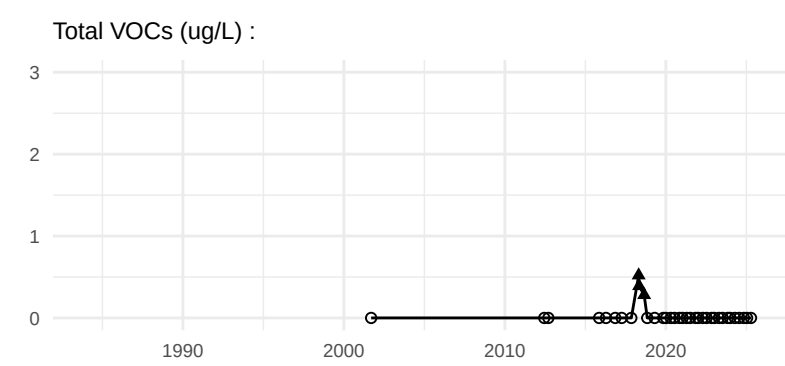
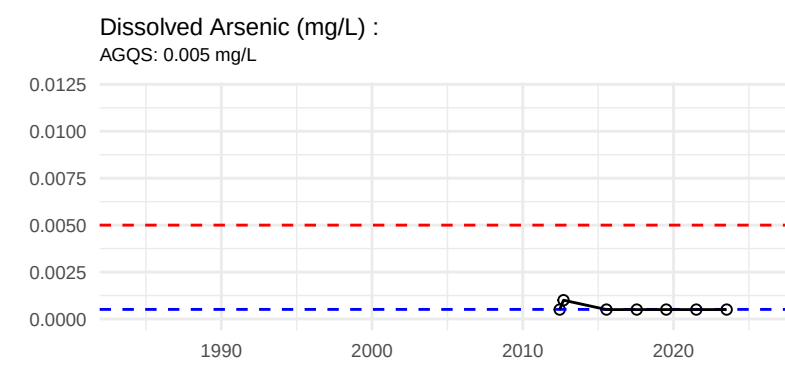
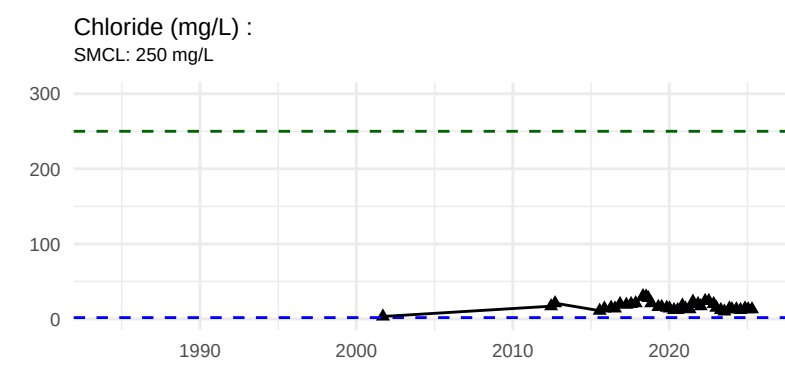
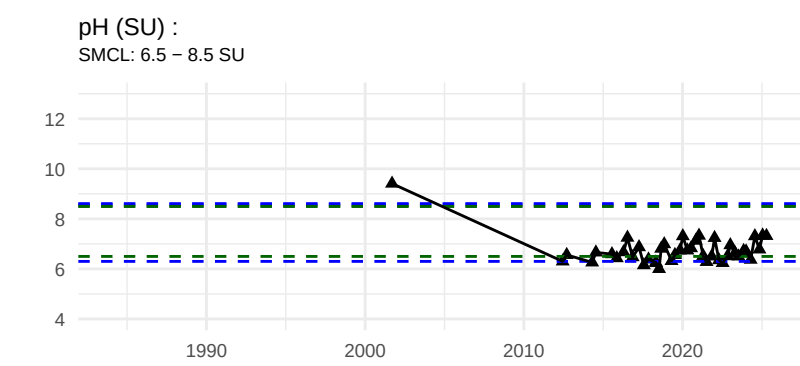
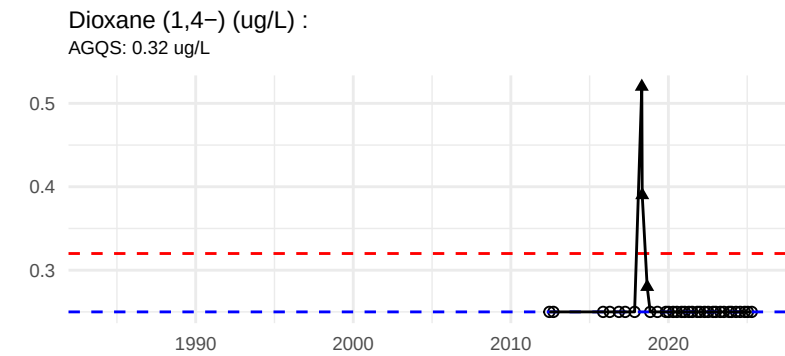
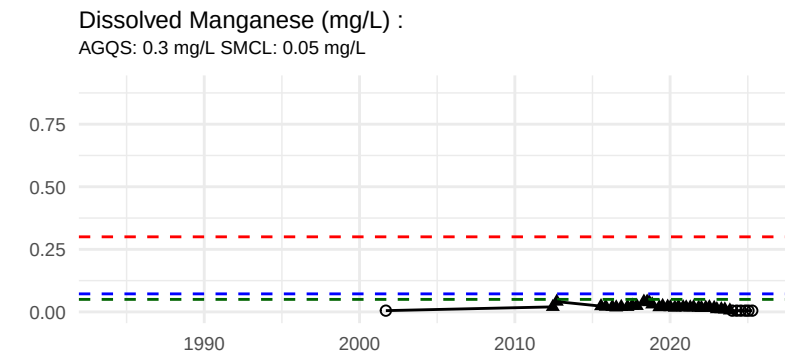
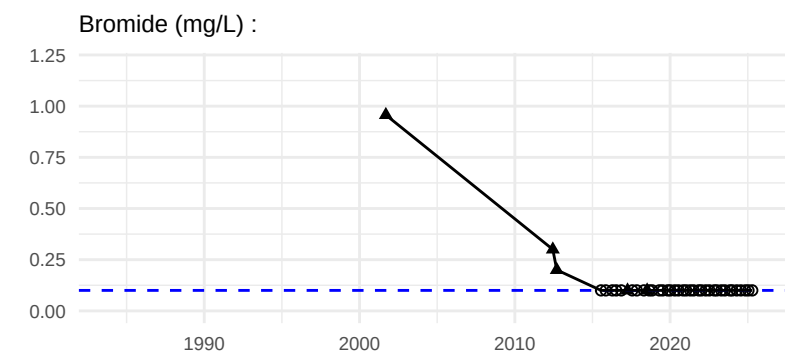
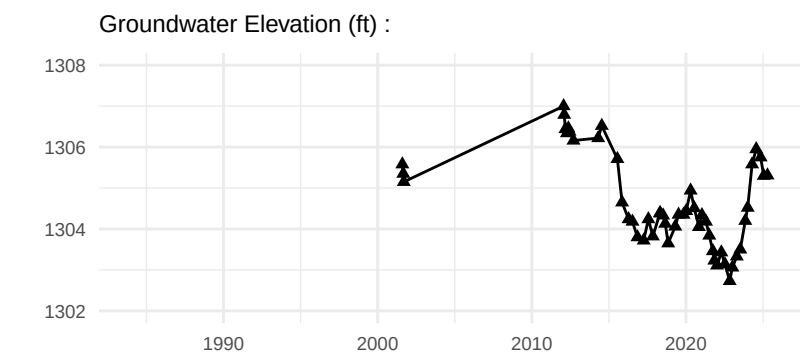
Result

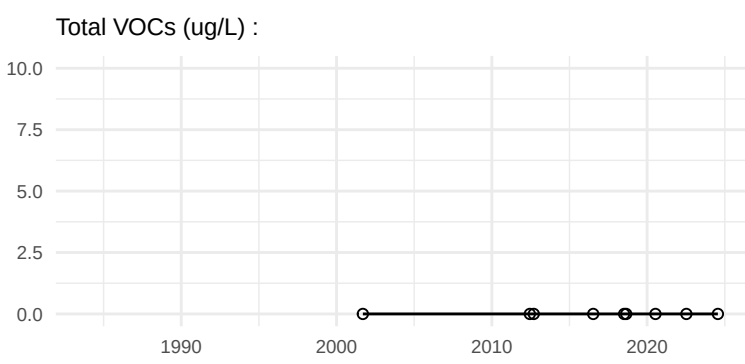
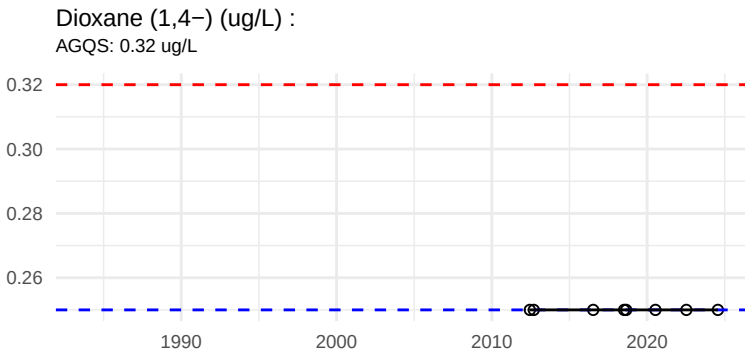
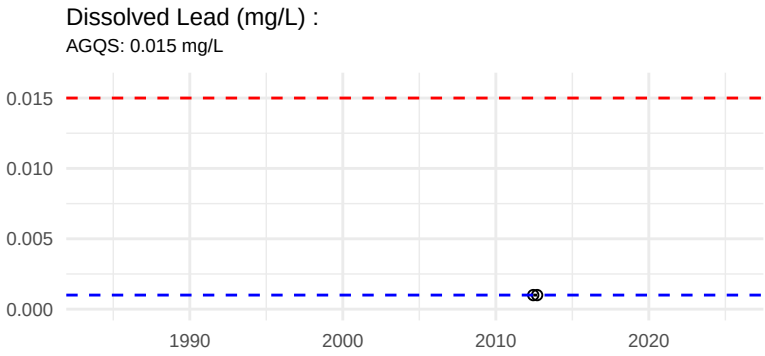
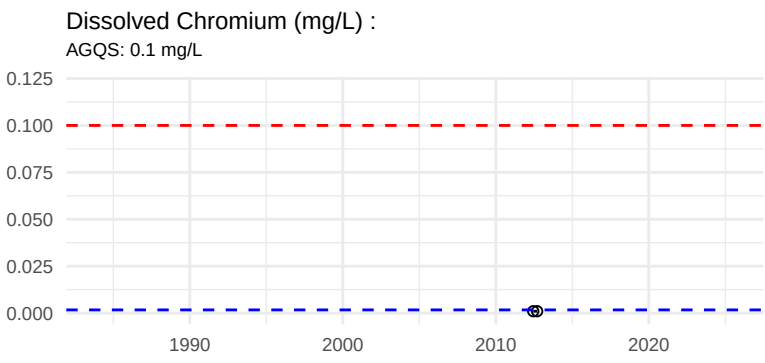
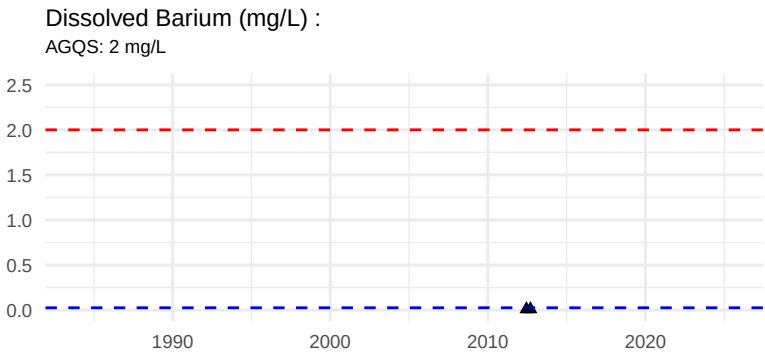
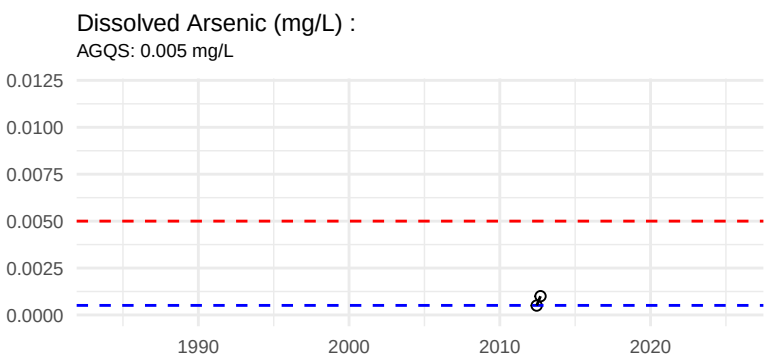
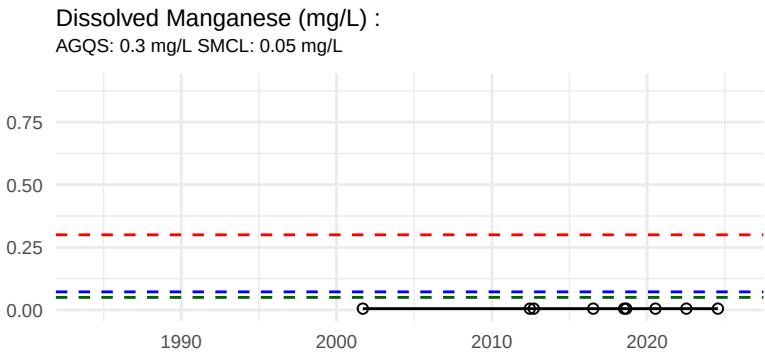
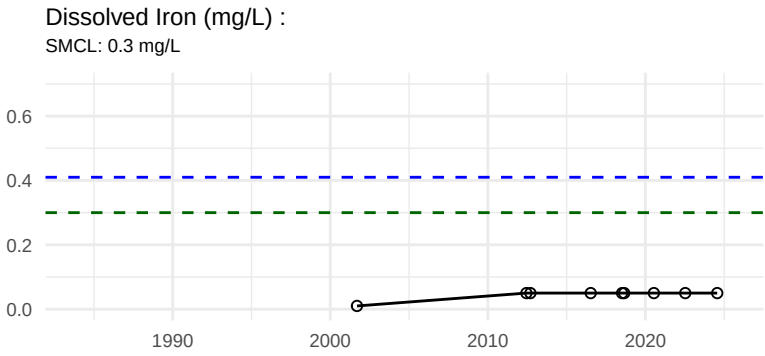
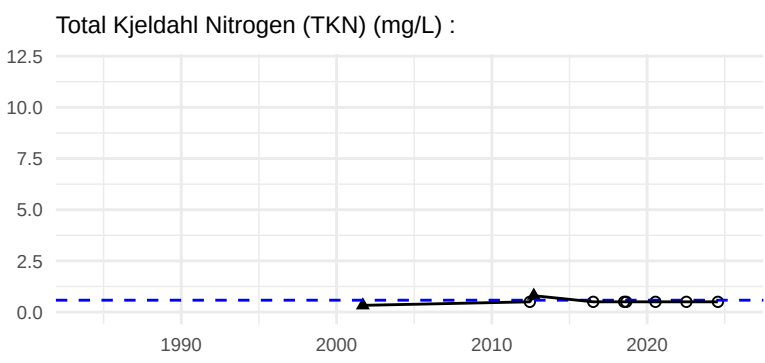
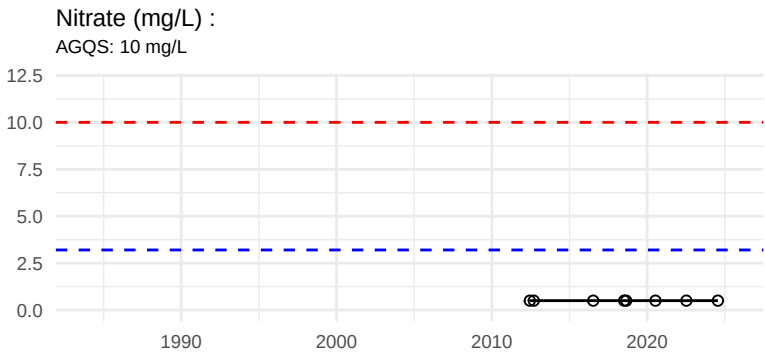
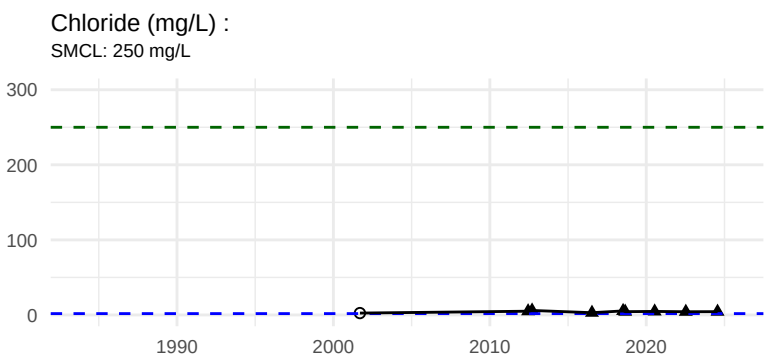
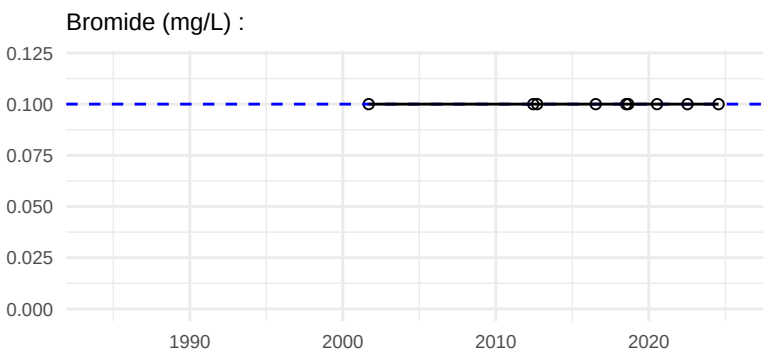
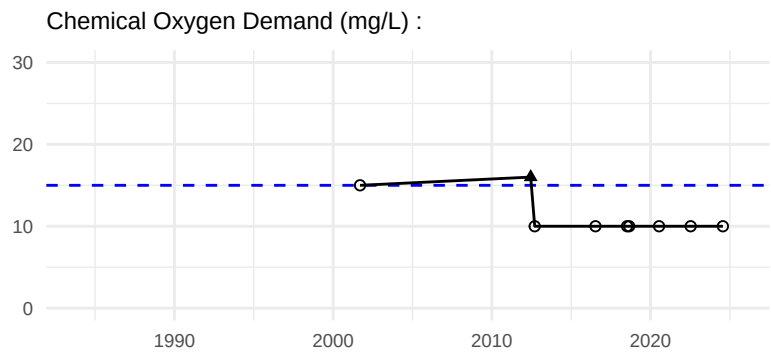
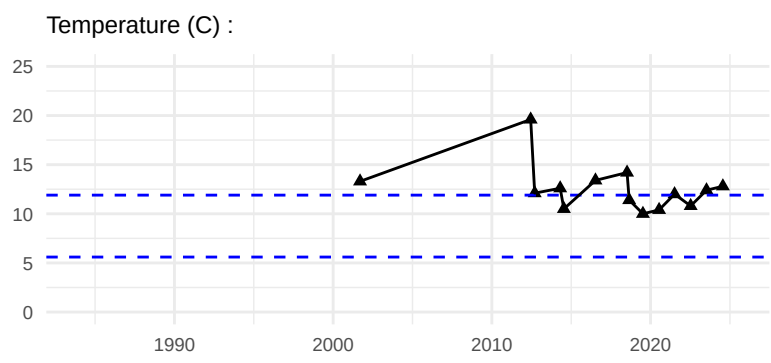
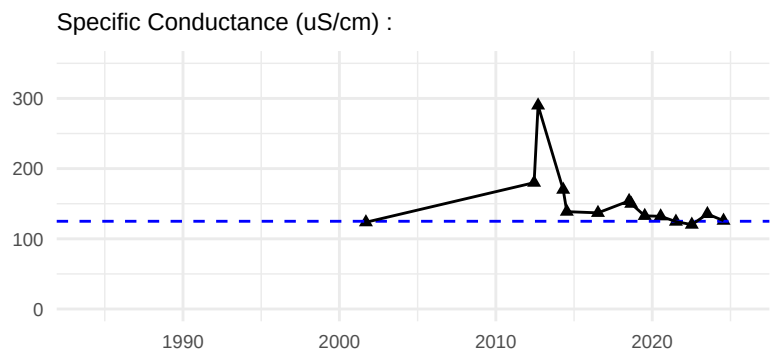
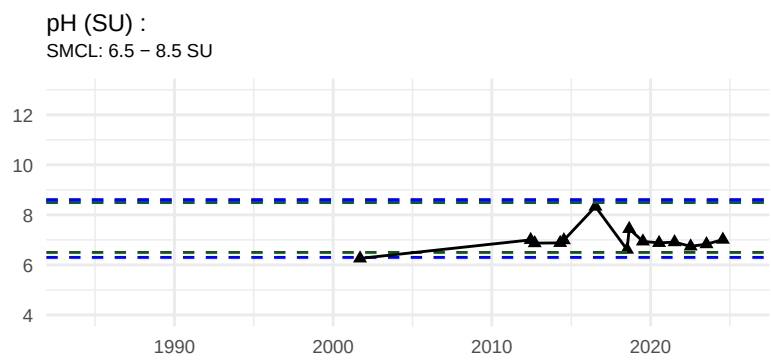
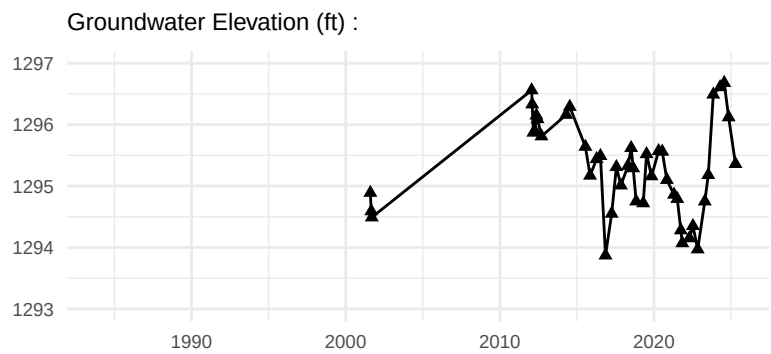
- ▲ Detect
- Non-Detect

Standard

- AGQS
- SMCL
- Background







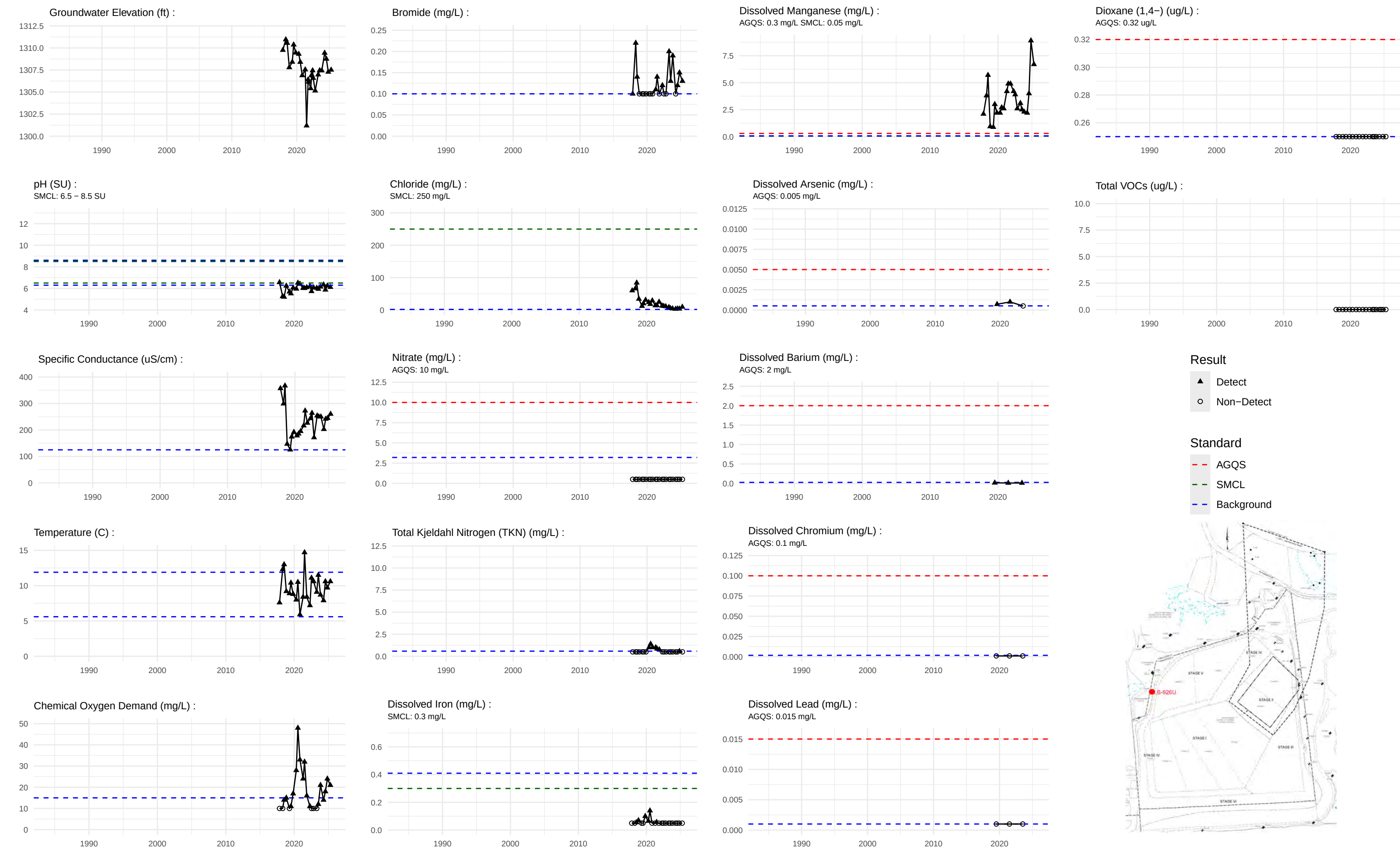
Result

- ▲ Detect
- Non-Detect

Standard

- - - AGQS
- - - SMCL
- - - Background





Result

▲ Detect

○ Non-Detect

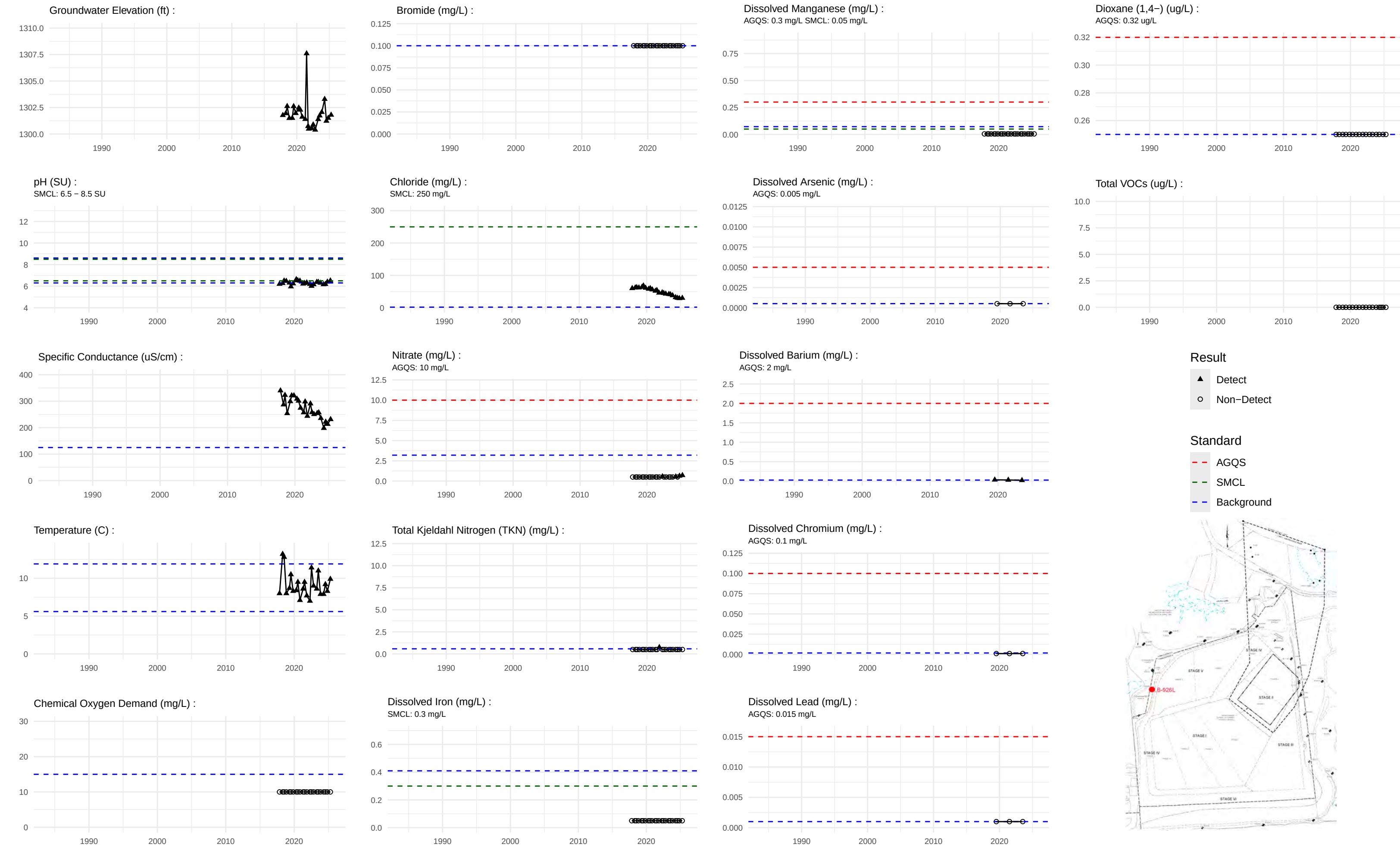
Standard

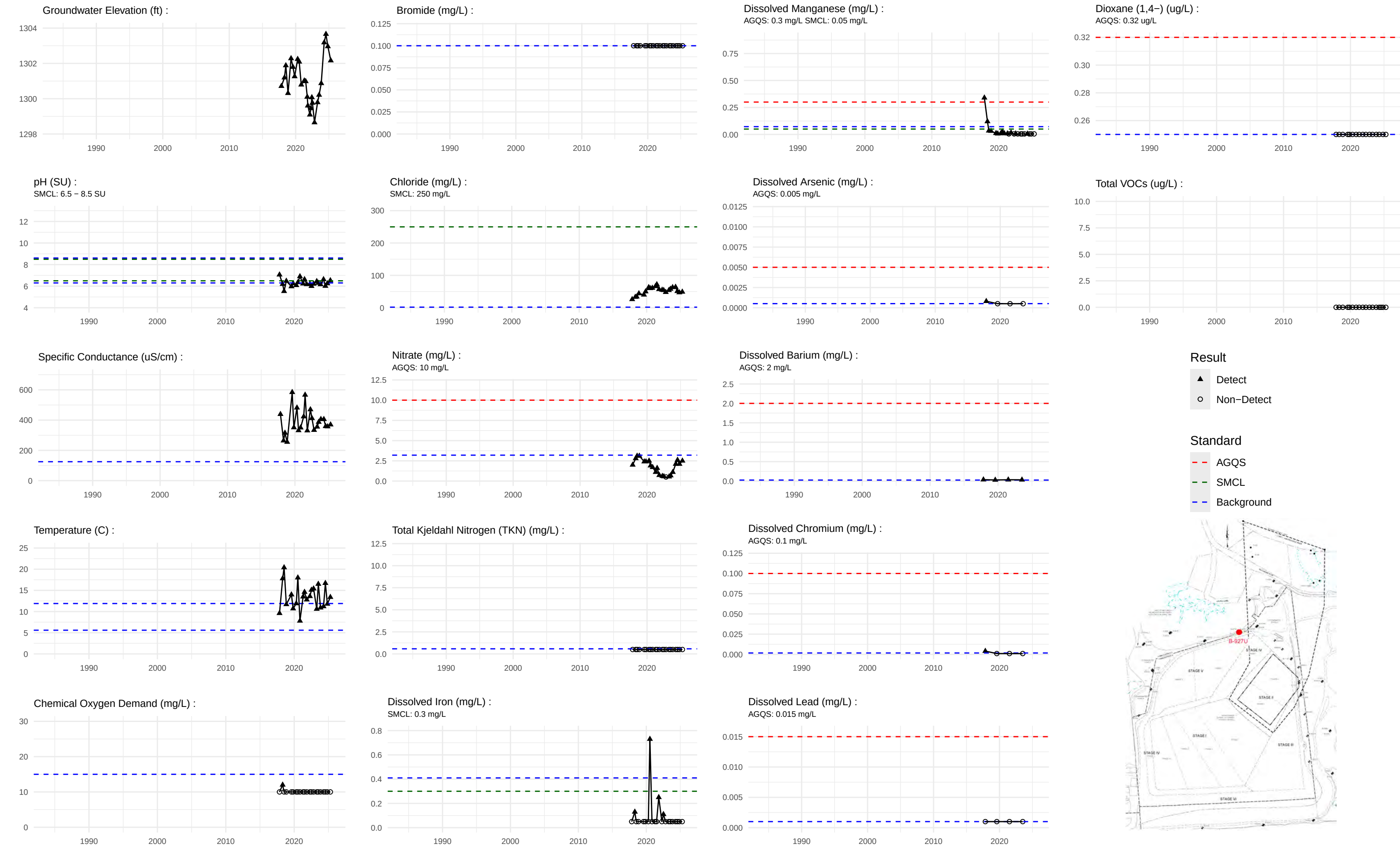
AGQS

SMCL

Background

B-926L





Result

▲ Detect

○ Non-Detect

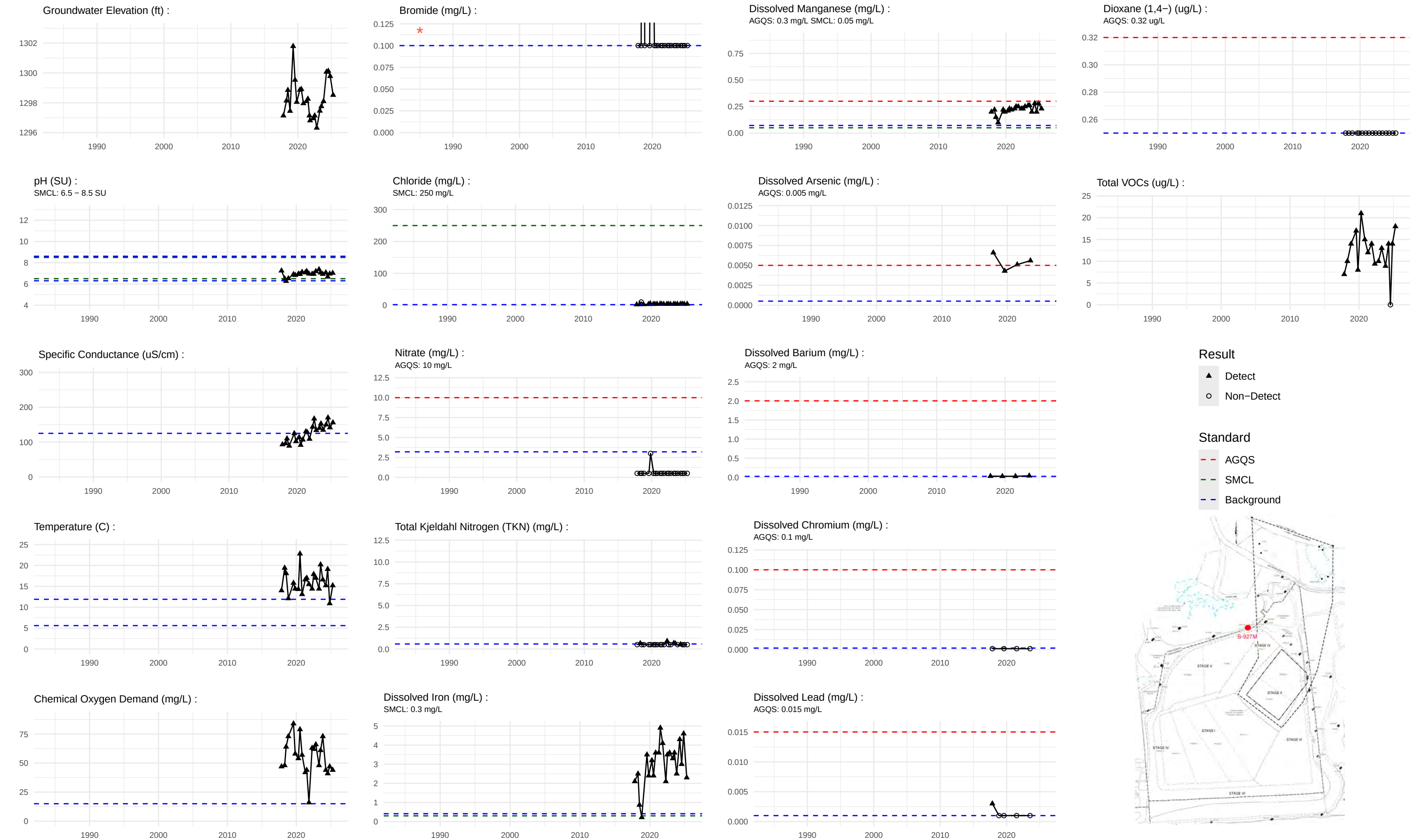
Standard

AGQS

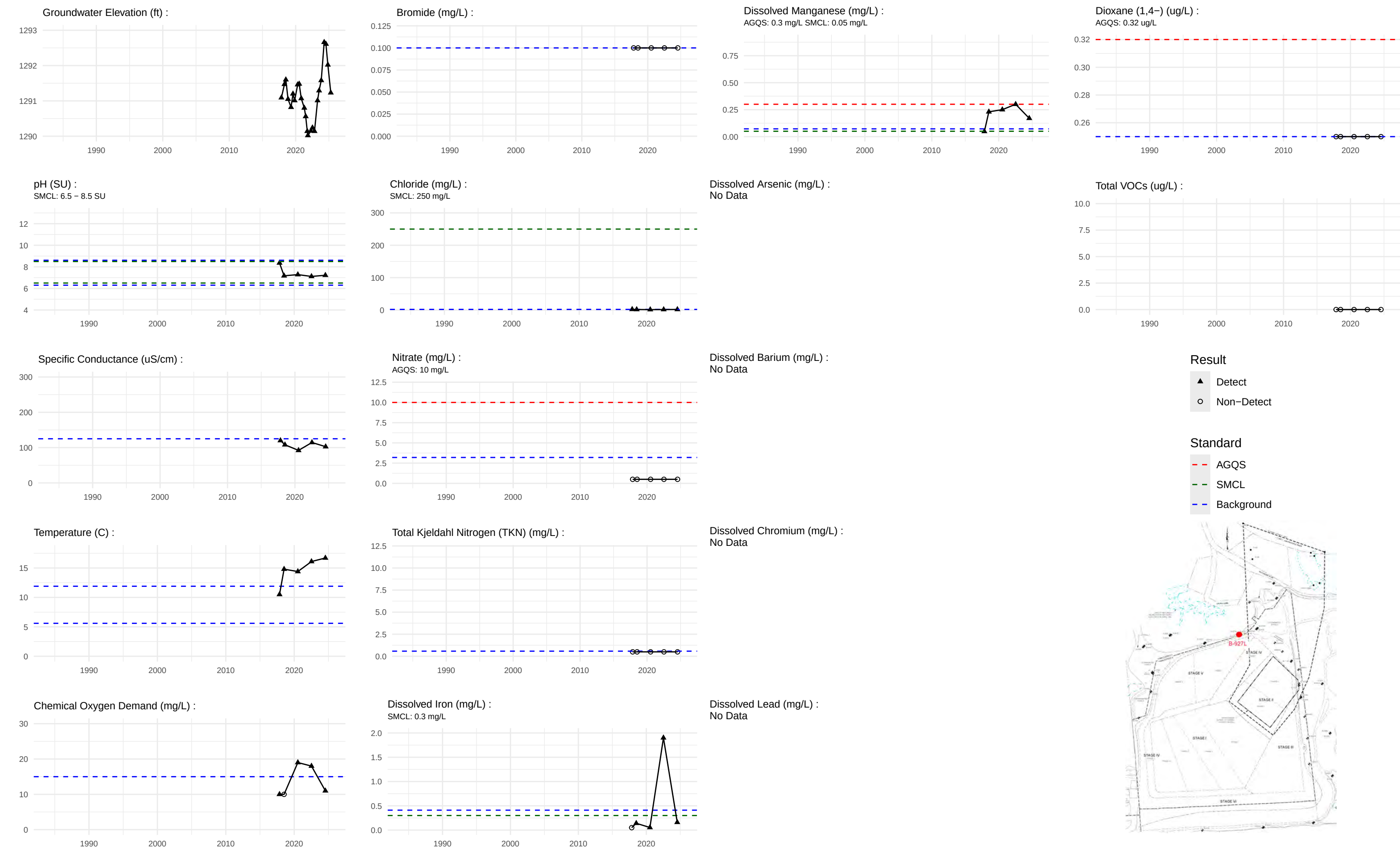
SMCL

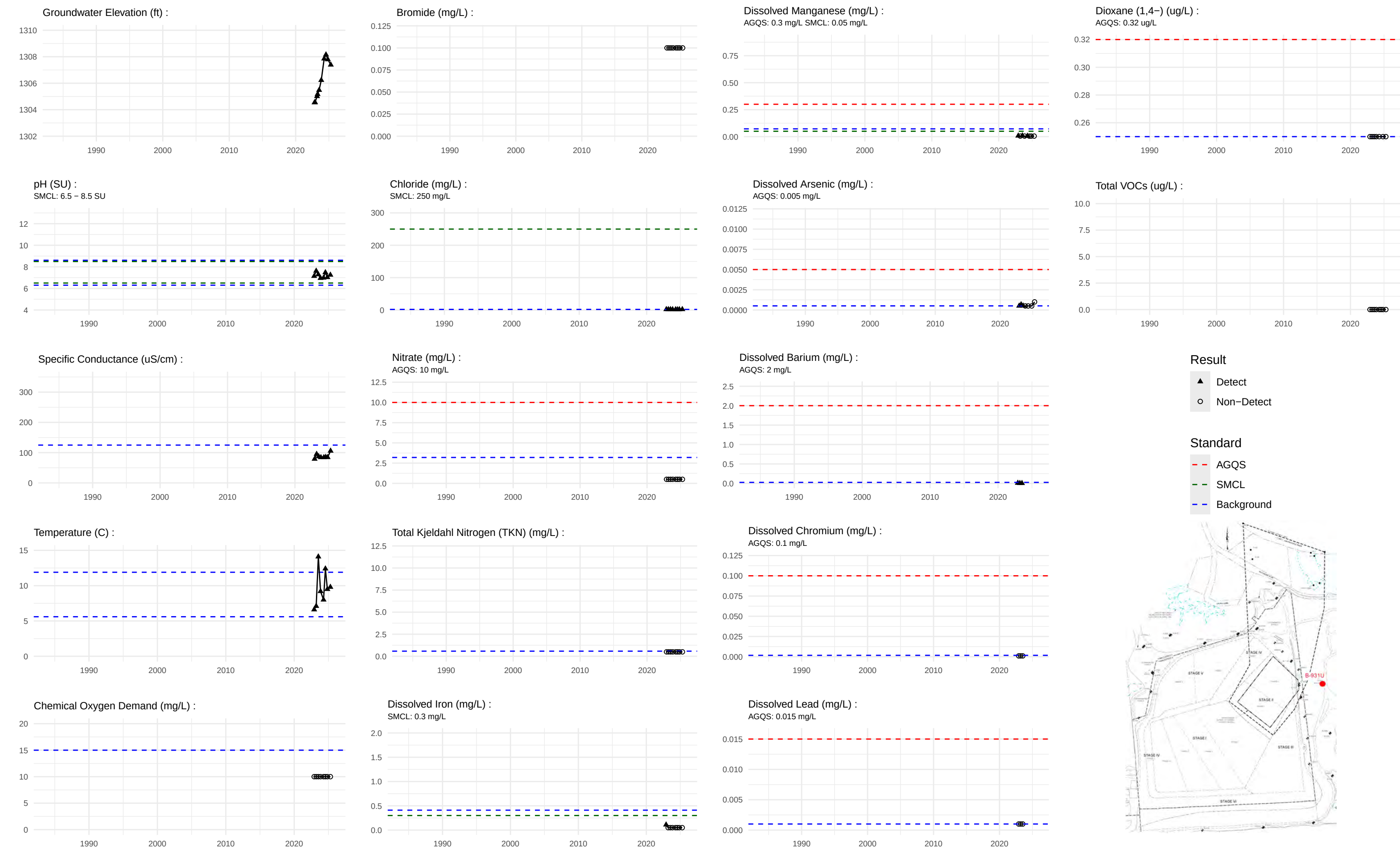
Background

B-927M



* indicates one or more data points plot outside concentration range shown
Sanborn, Head & Associates, Inc.



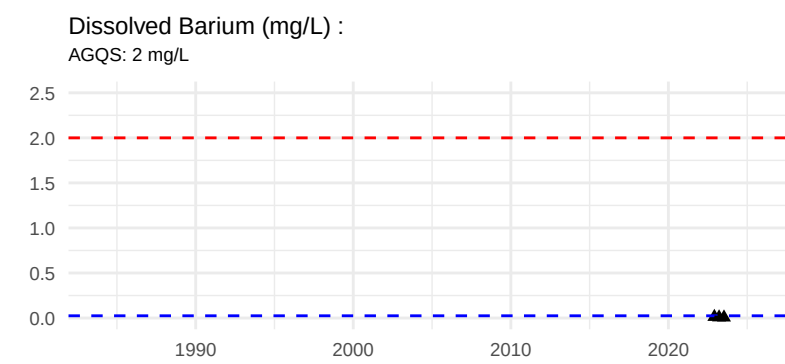
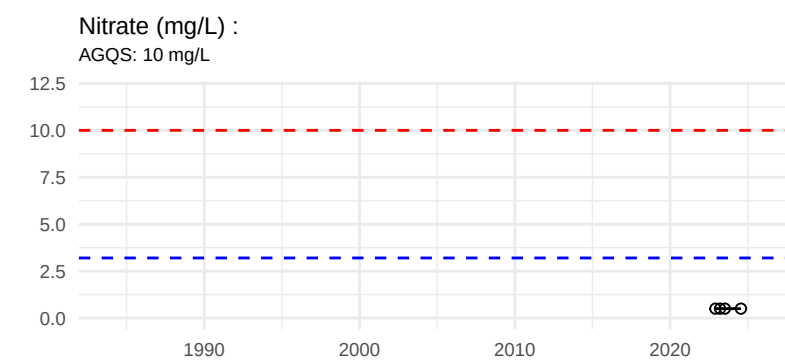
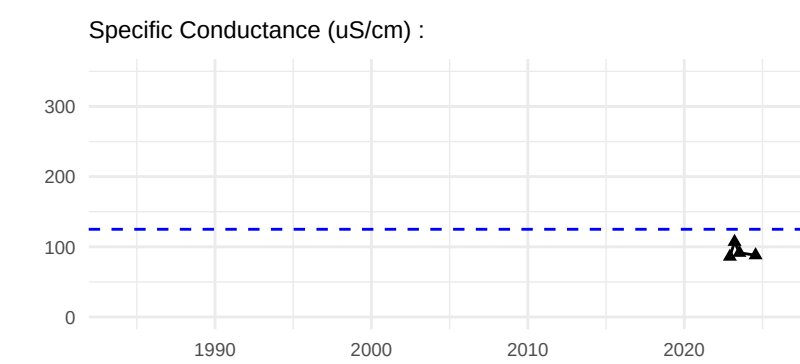
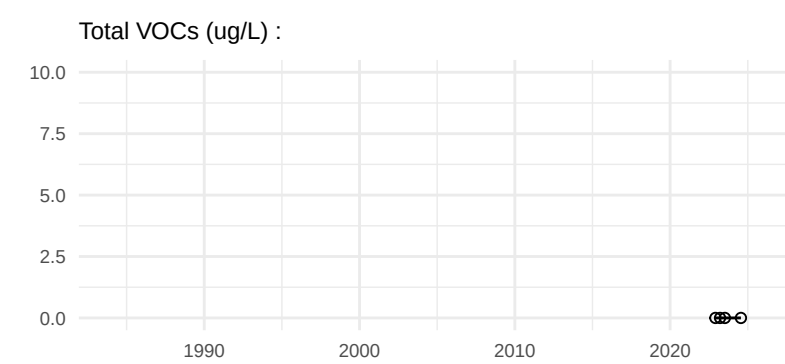
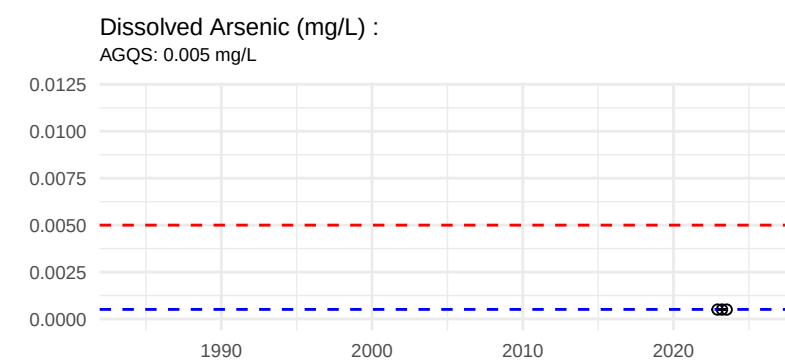
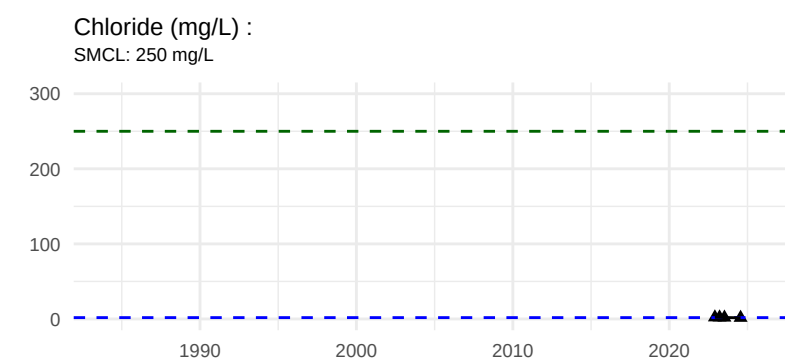
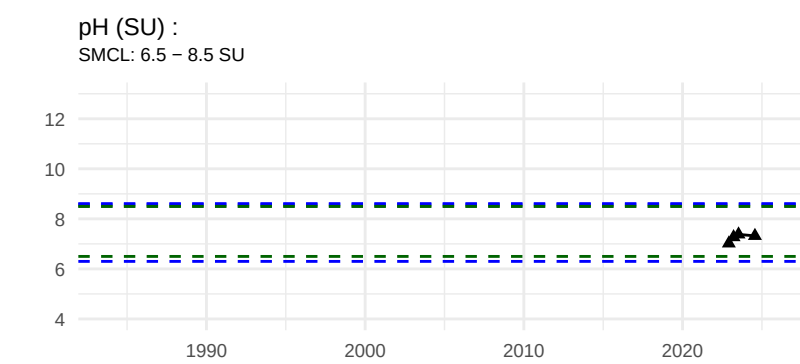
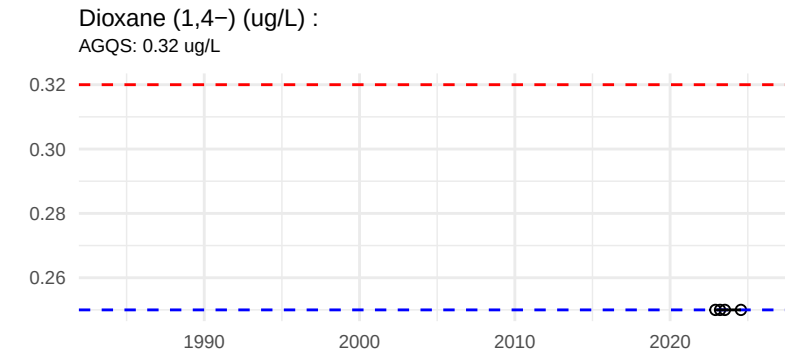
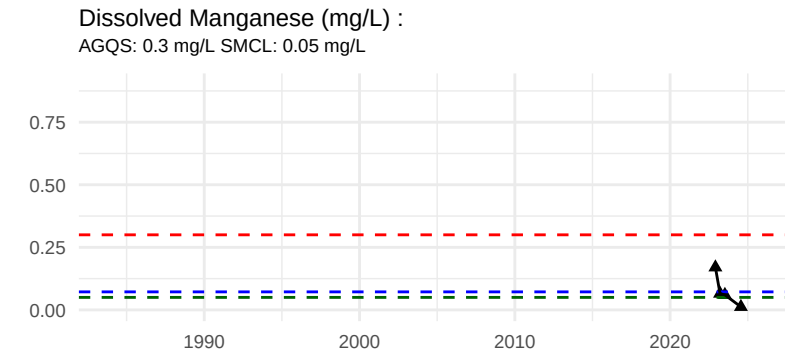
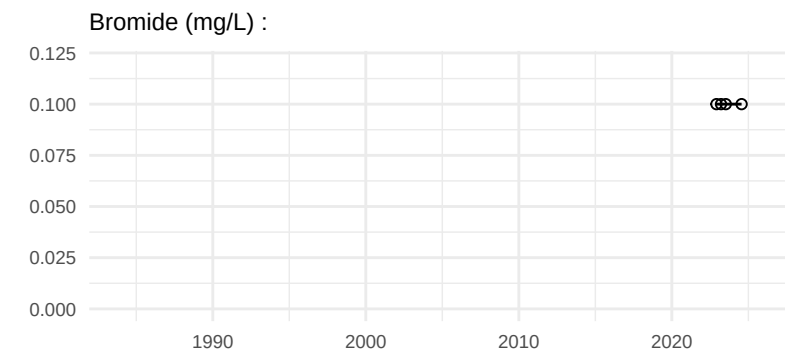
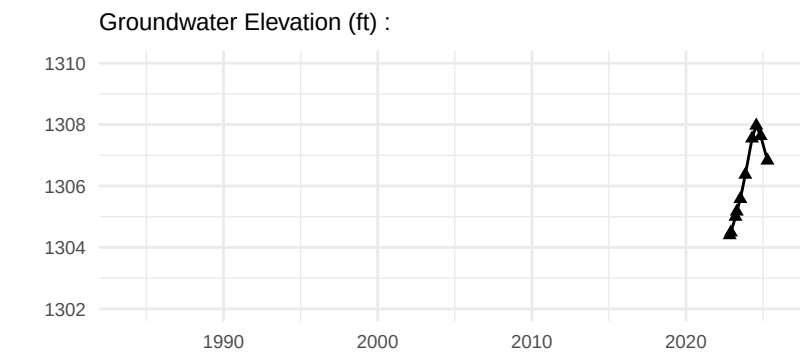


Result

▲ Detect
○ Non-Detect

Standard

--- AGQS
--- SMCL
--- Background

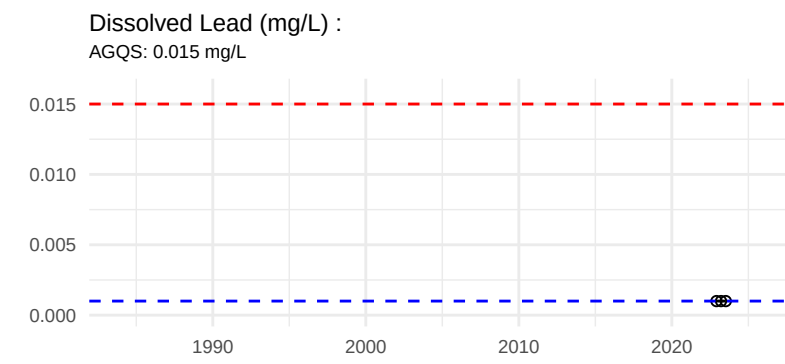
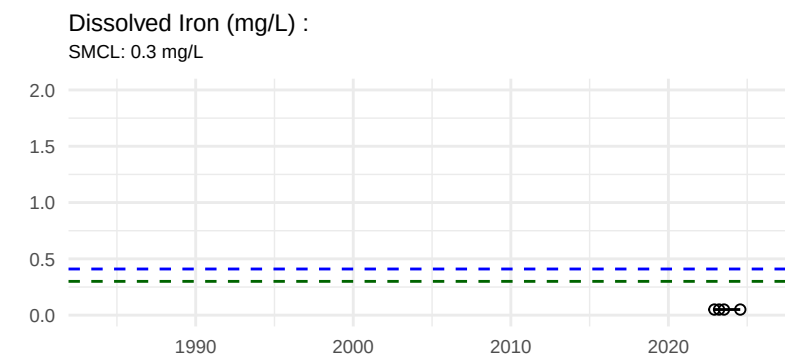
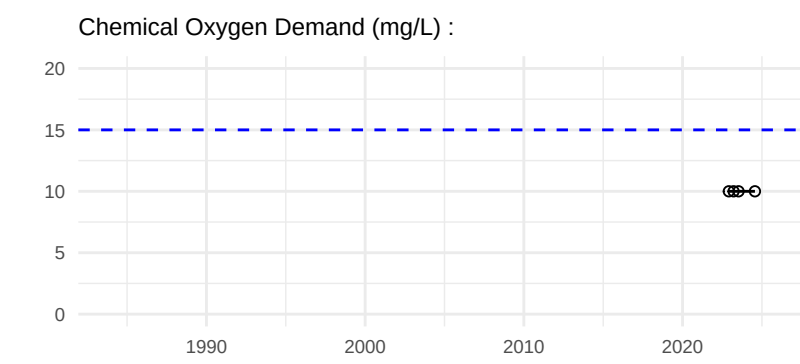
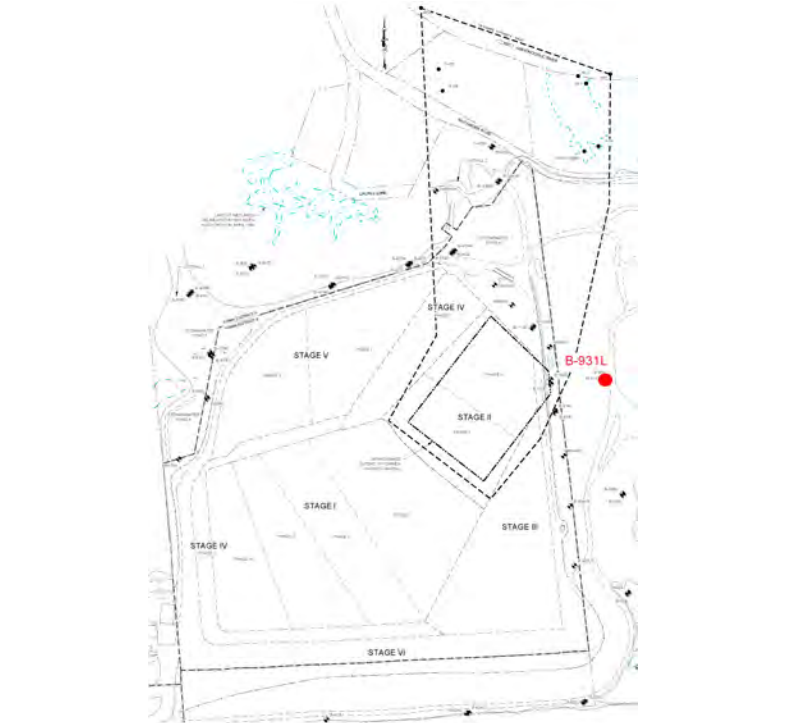
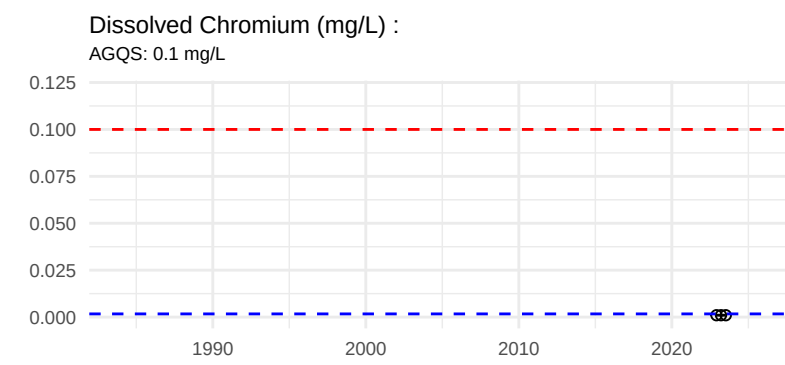
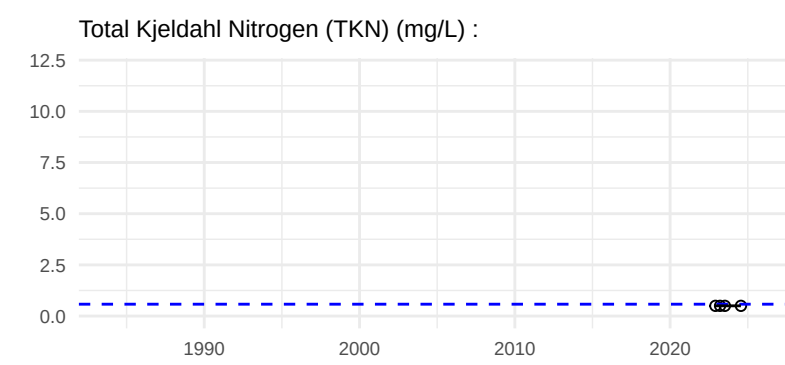
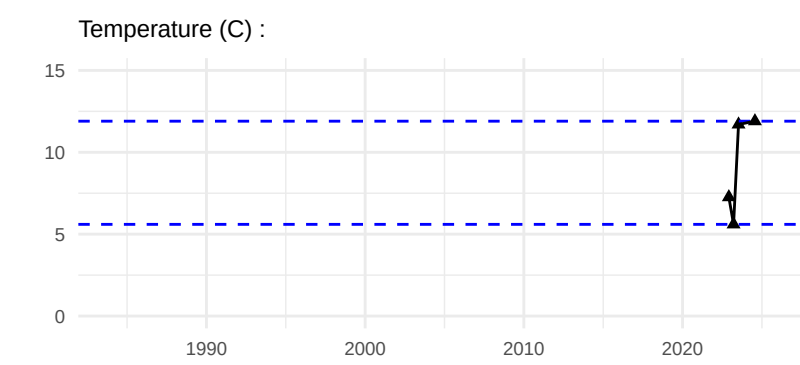


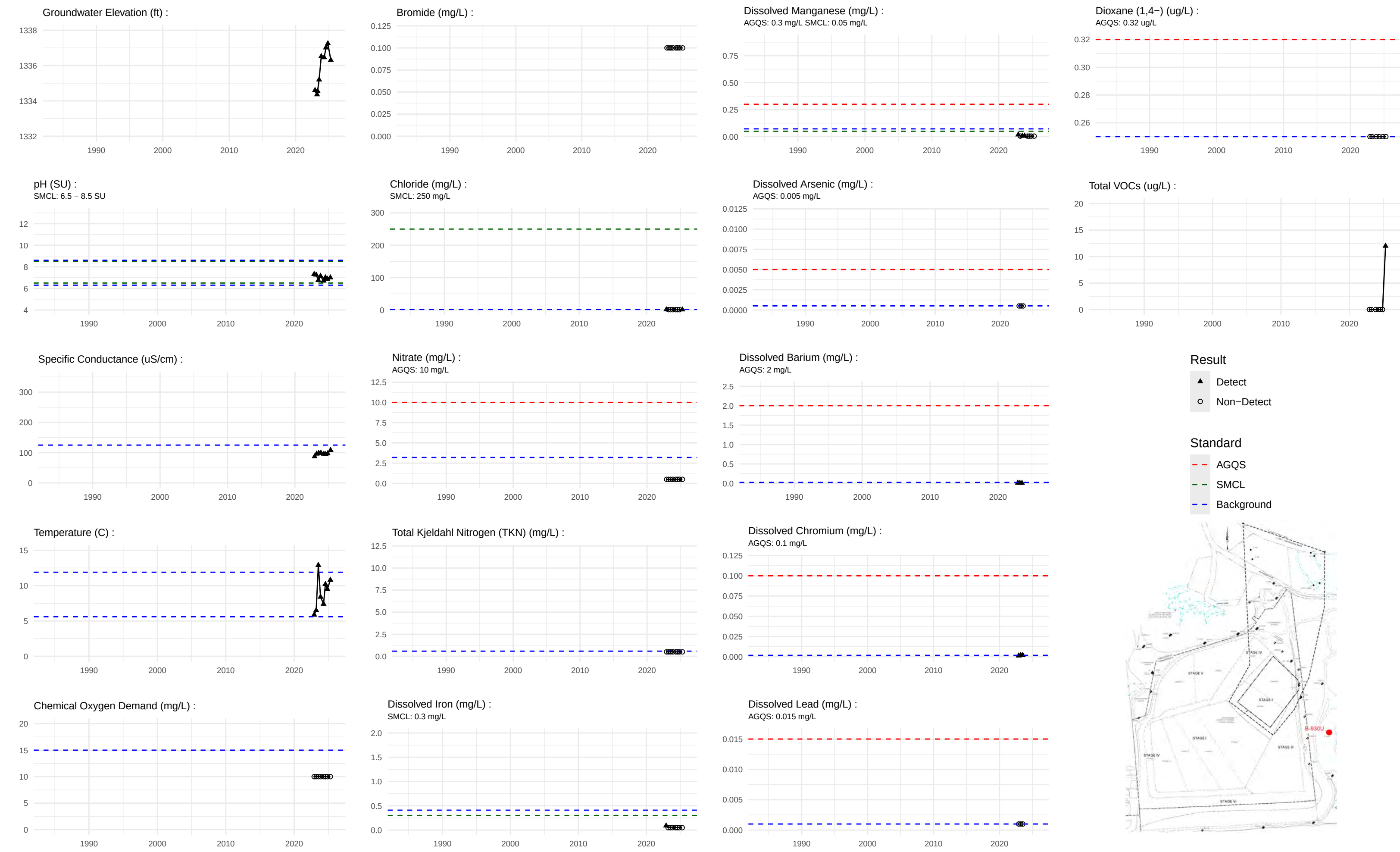
Result

- ▲ Detect
- Non-Detect

Standard

- - - AGQS
- - - SMCL
- - - Background





Result

▲ Detect

○ Non-Detect

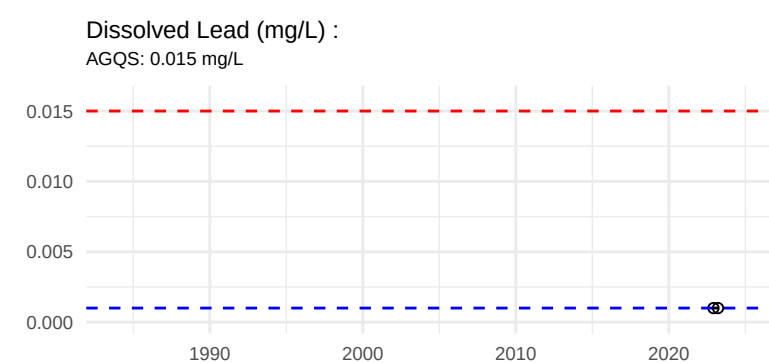
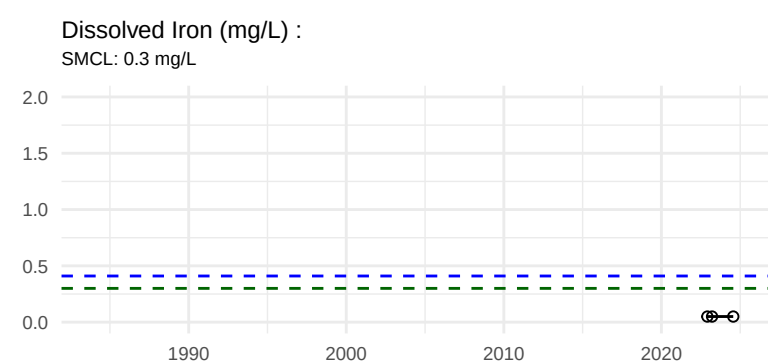
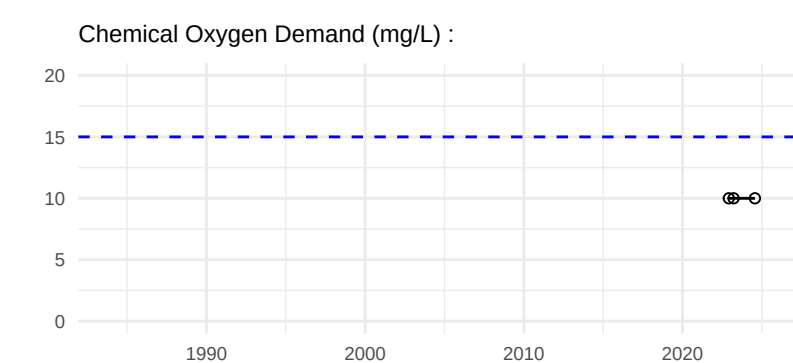
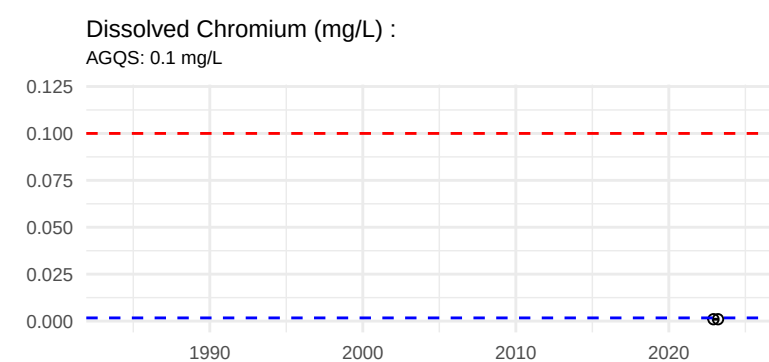
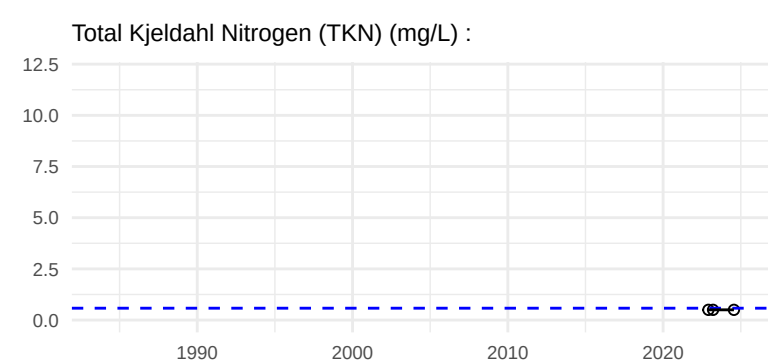
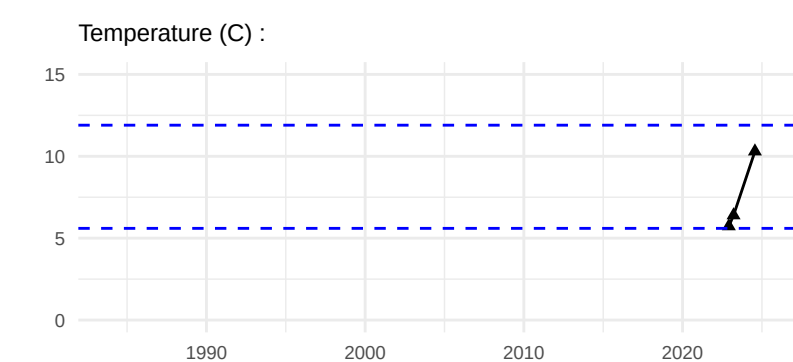
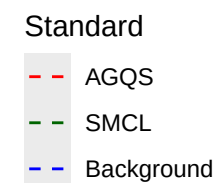
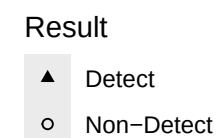
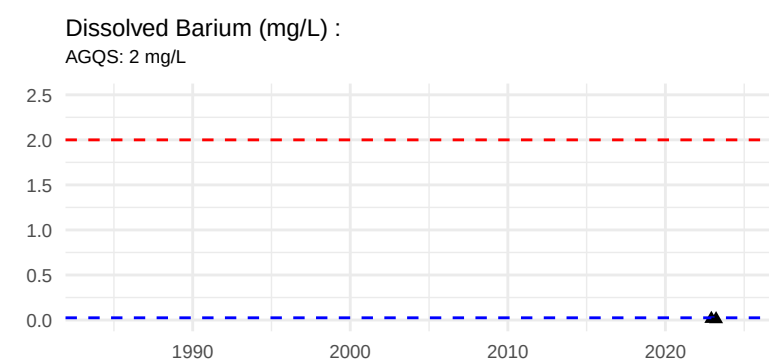
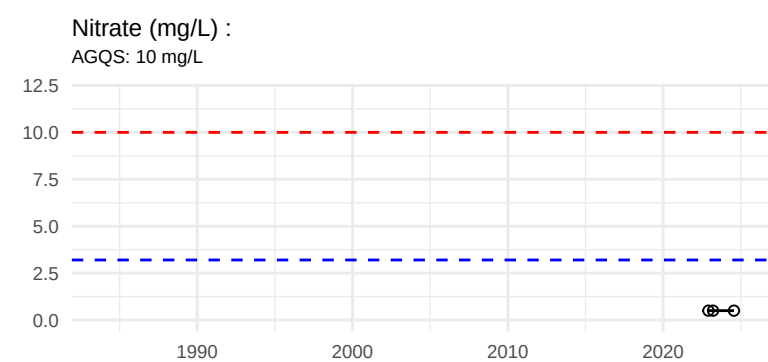
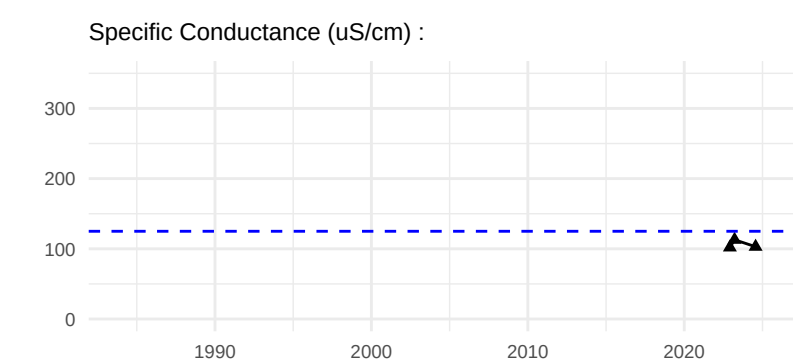
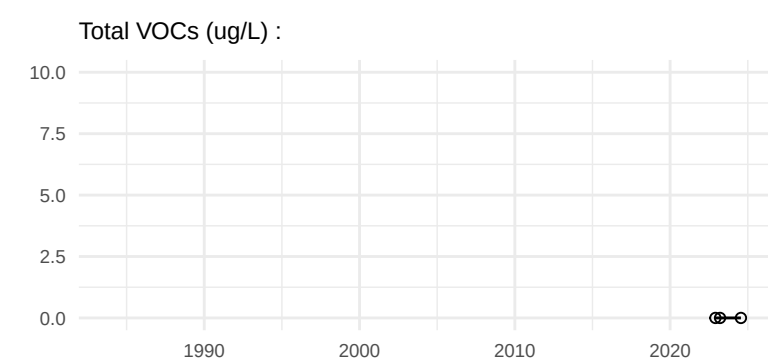
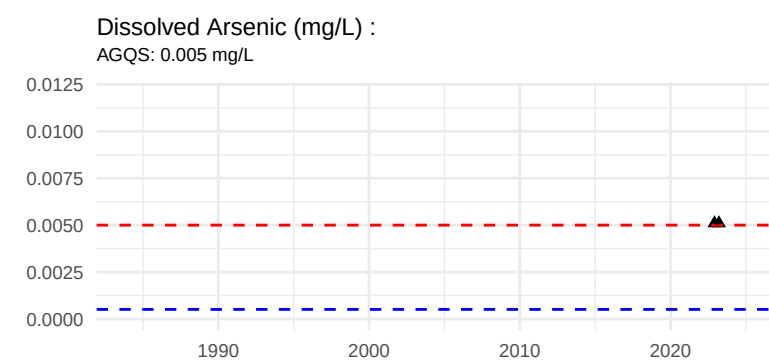
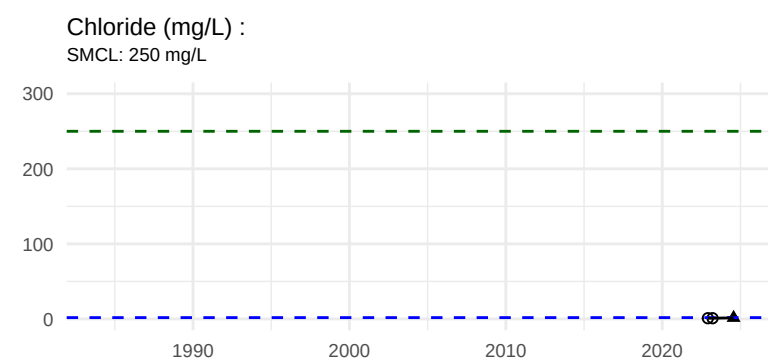
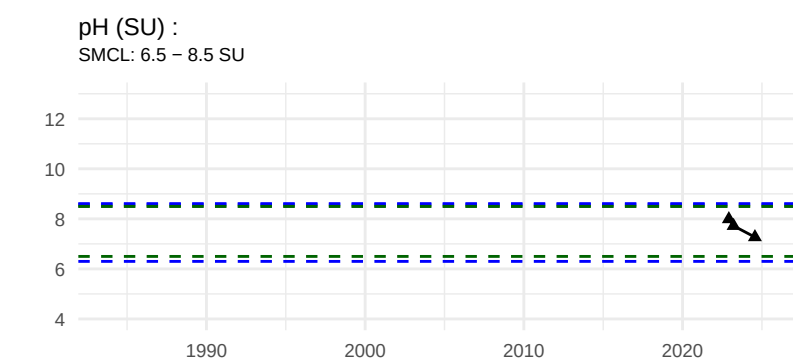
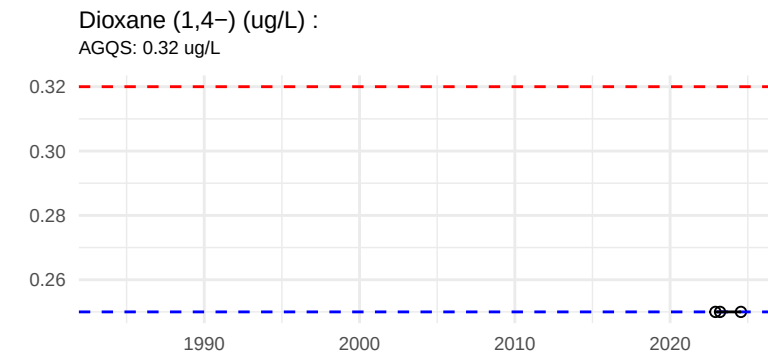
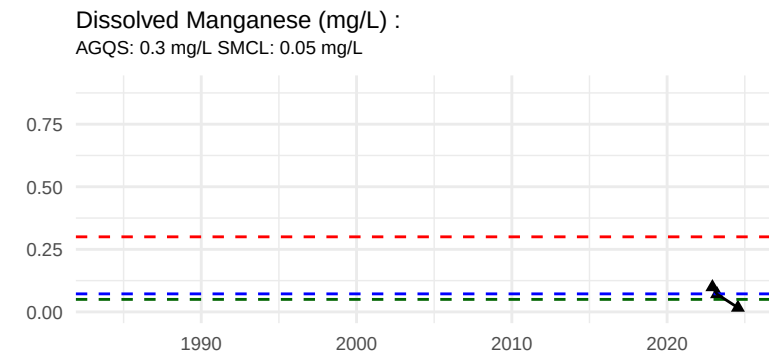
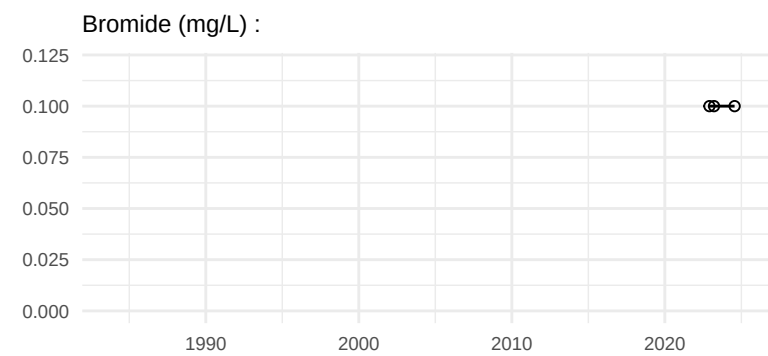
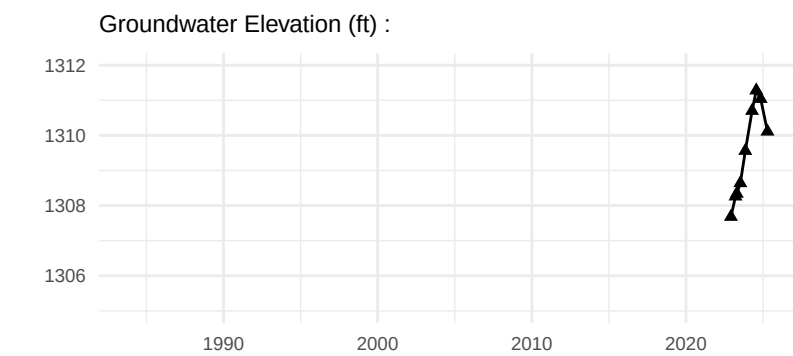
Standard

AGQS

SMCL

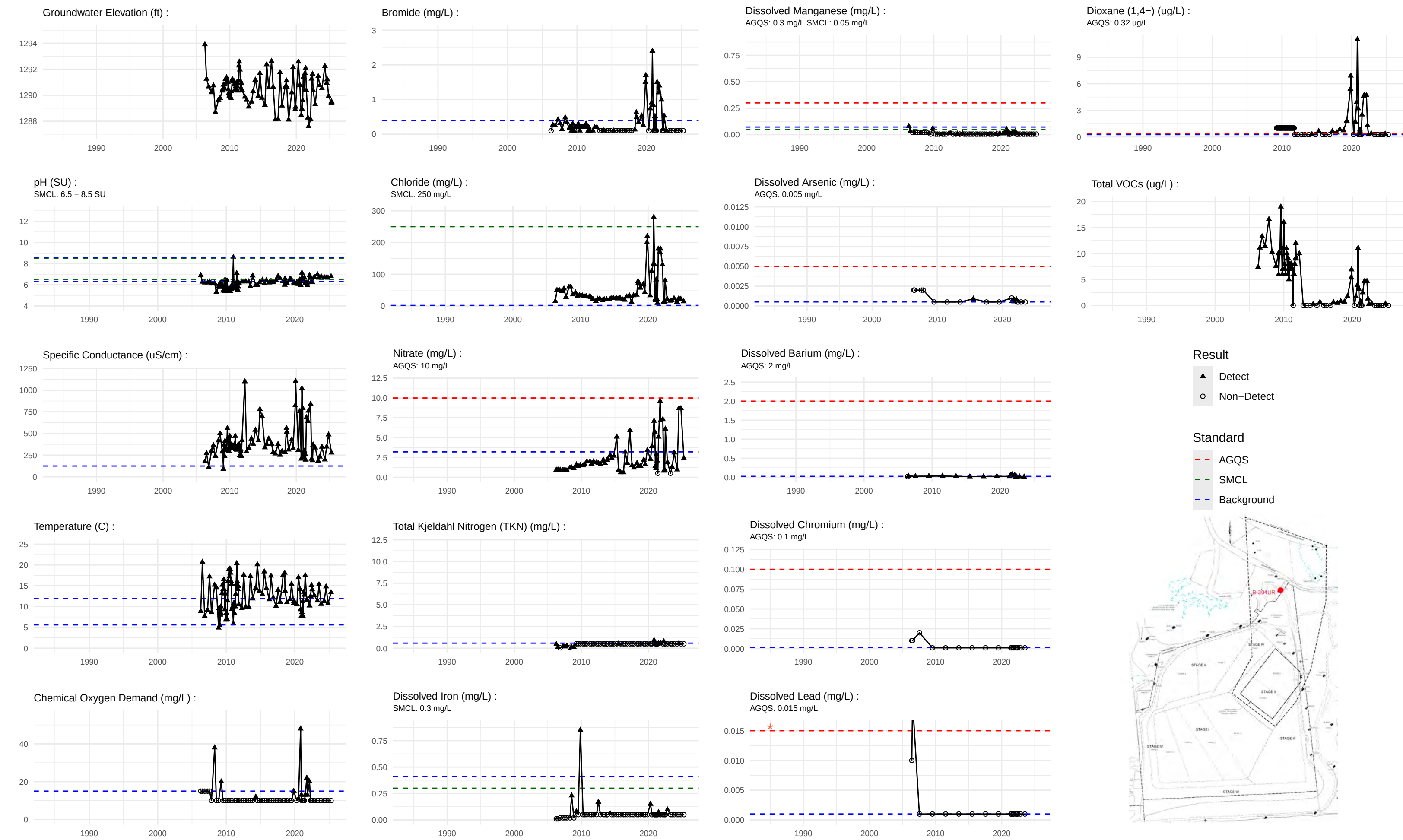
Background

B-930L

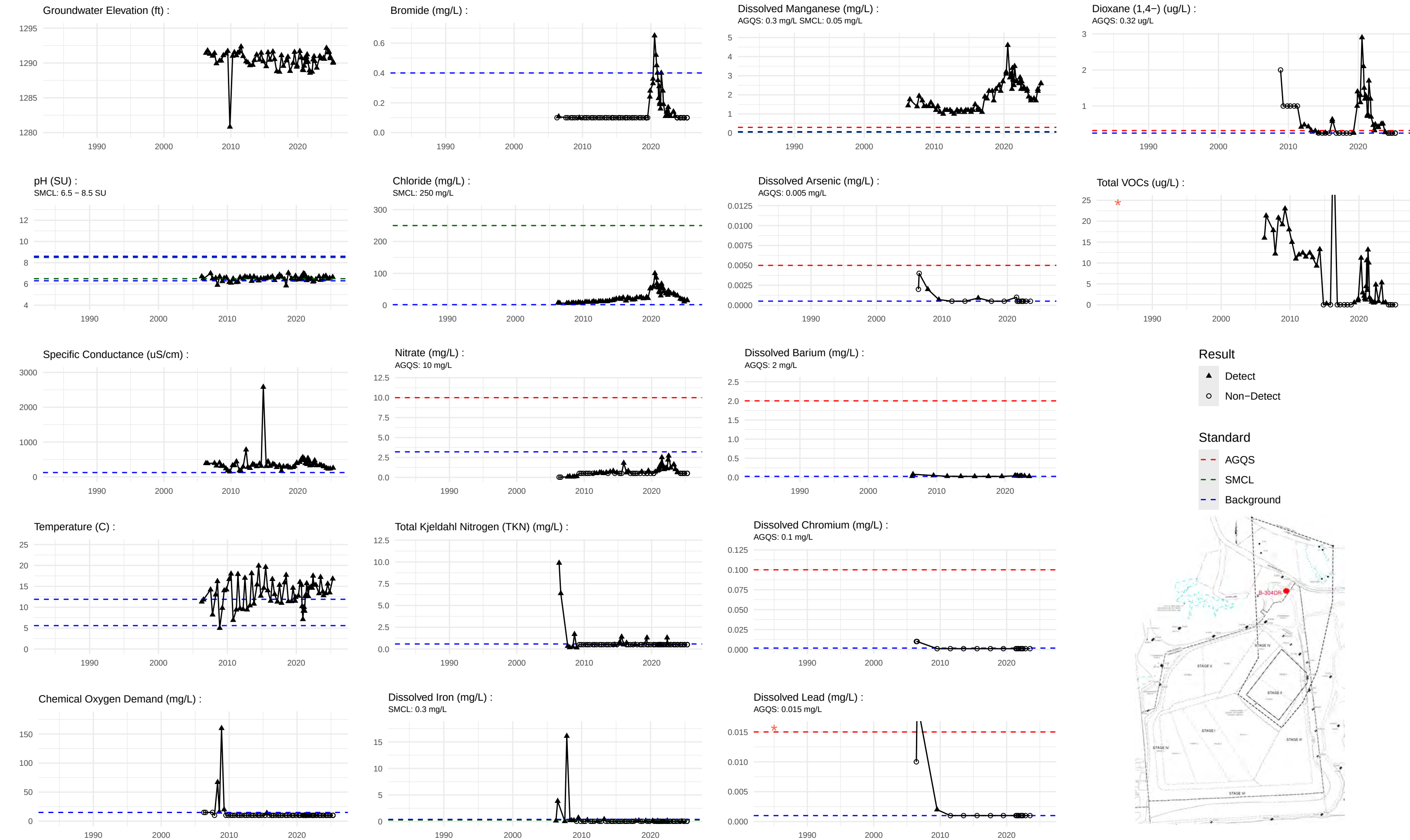


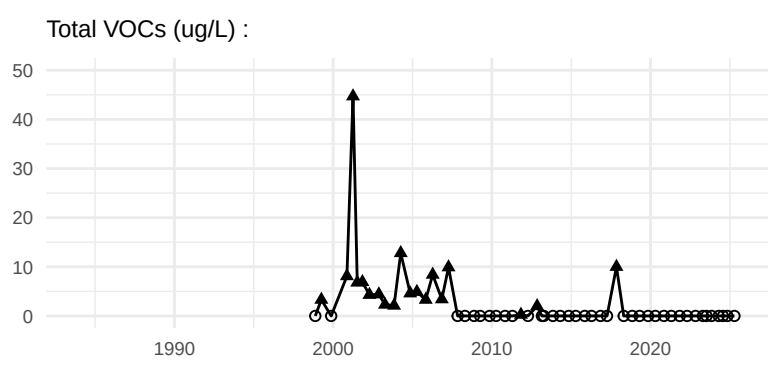
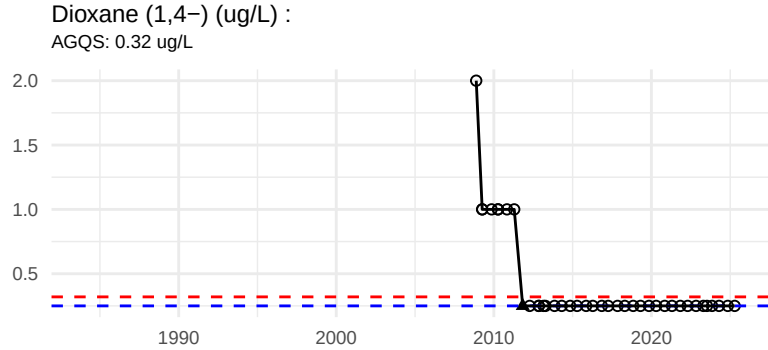
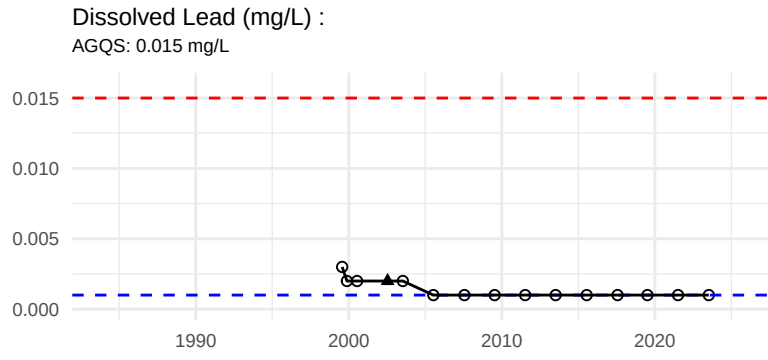
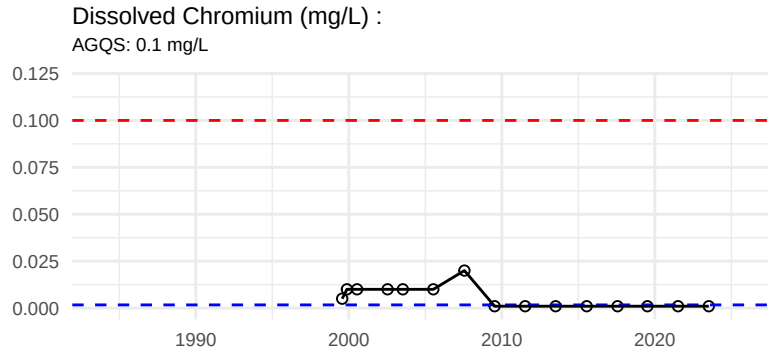
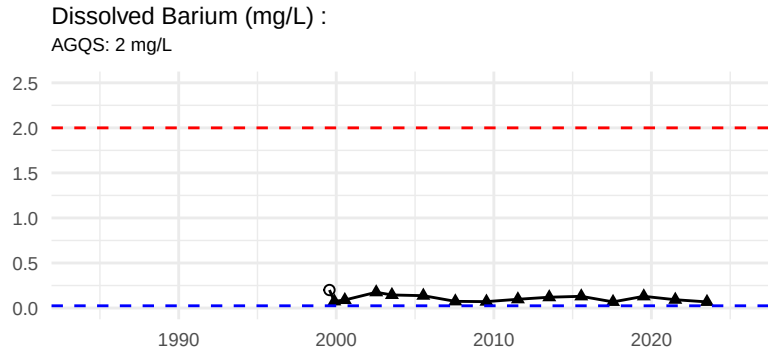
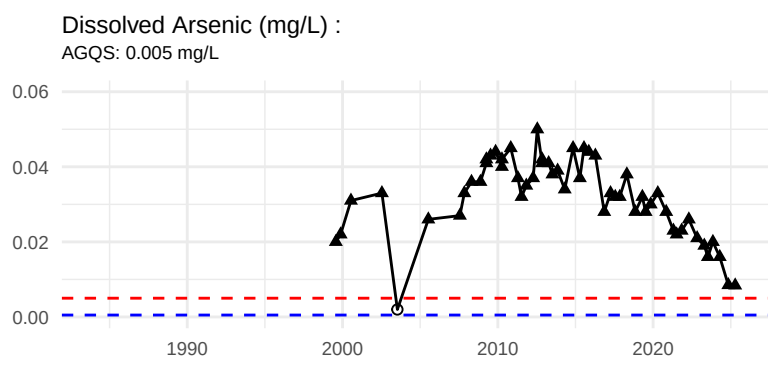
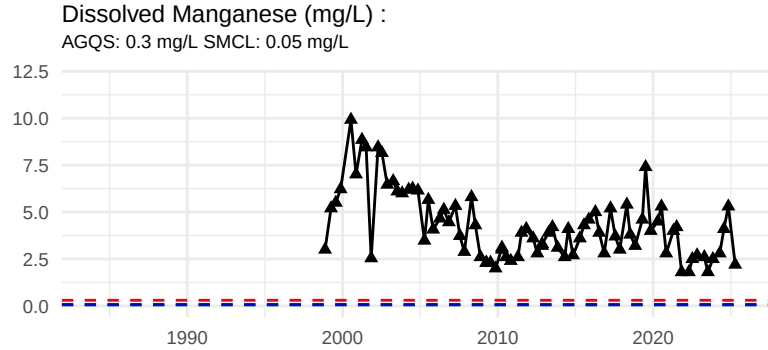
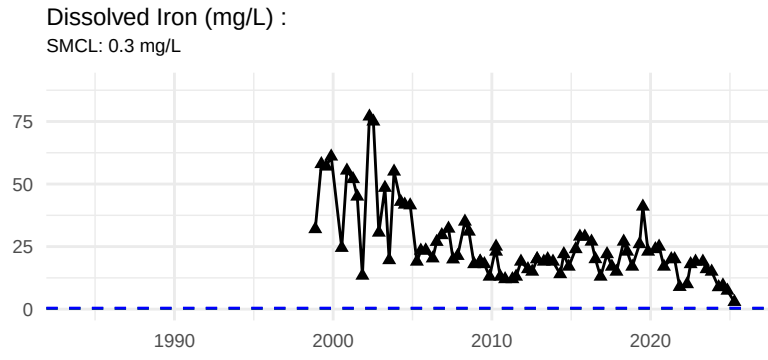
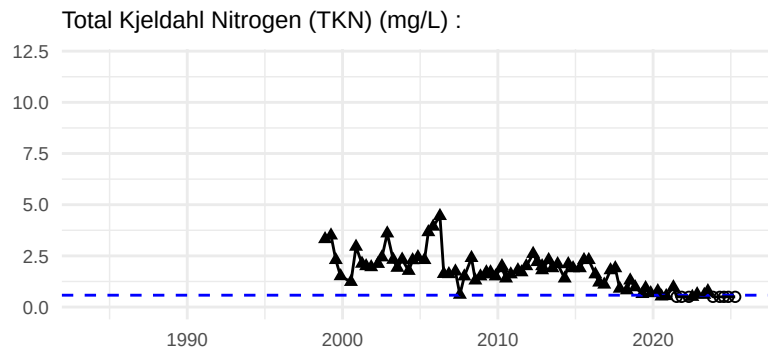
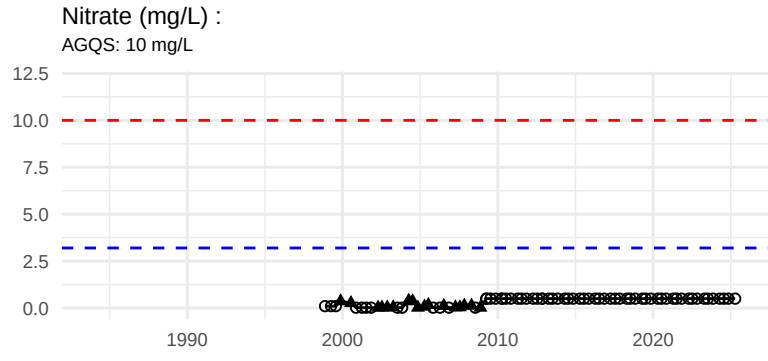
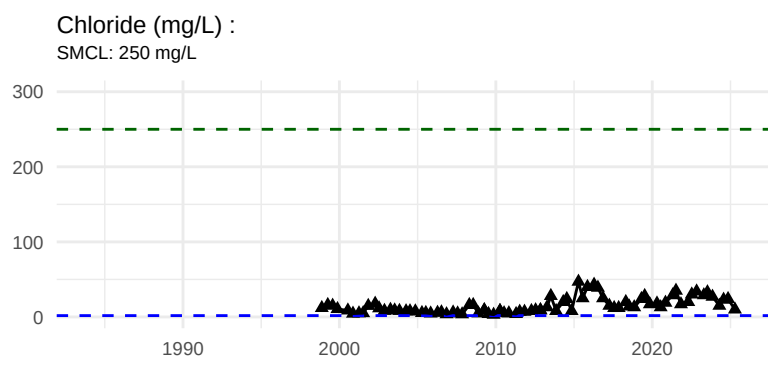
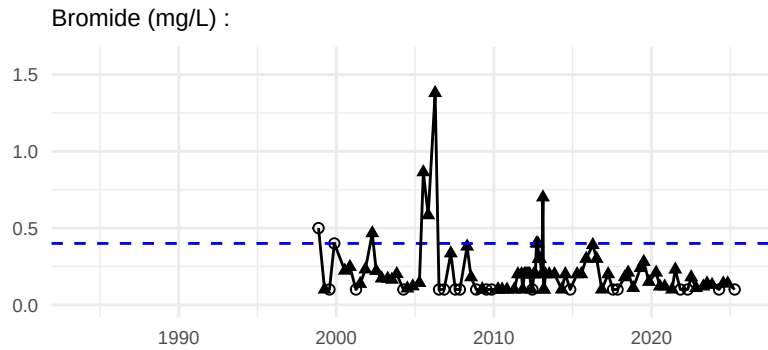
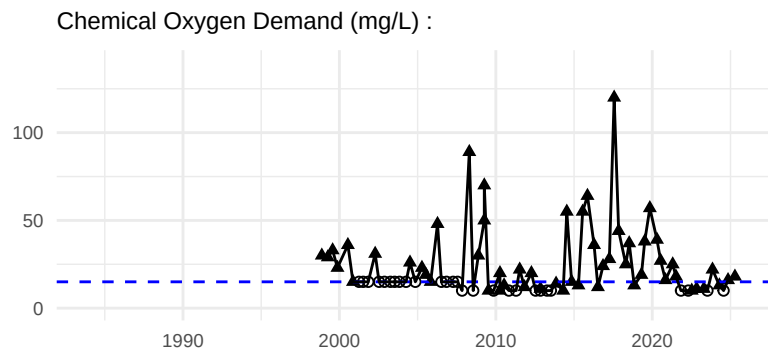
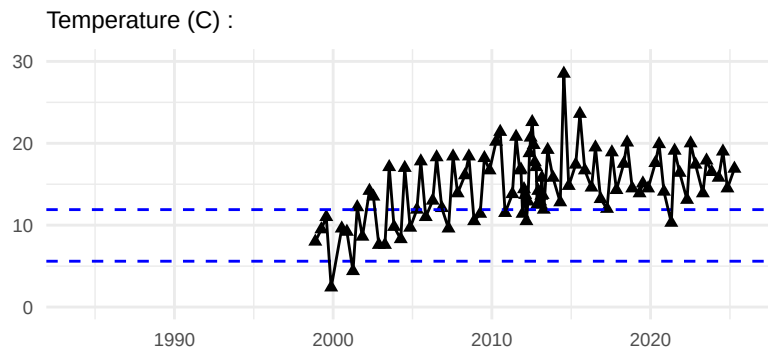
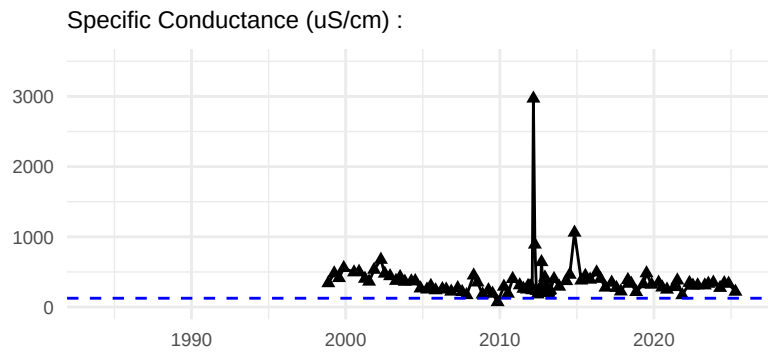
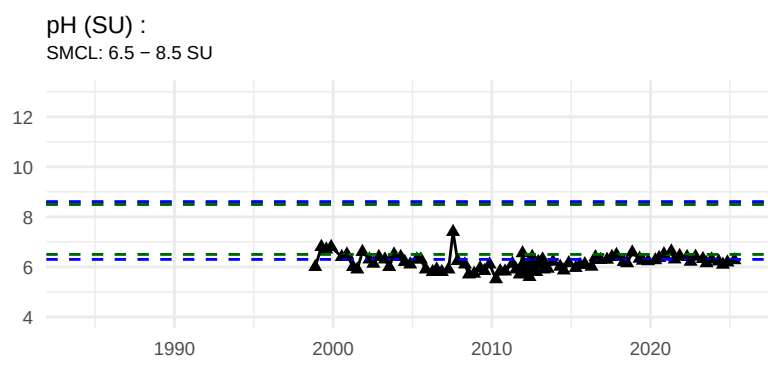
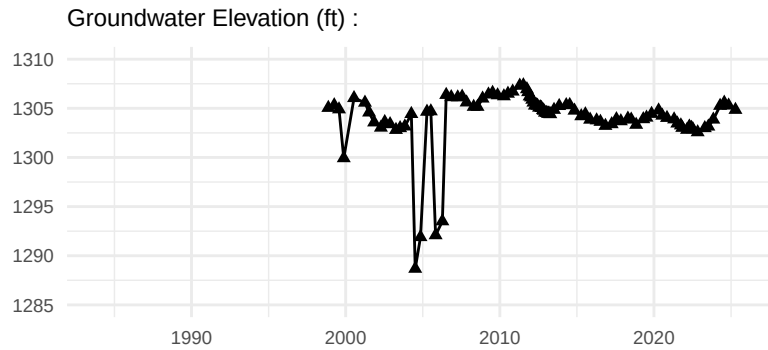
RELEASE DETECTION WELLS INSIDE THE GMZ

B-304UR



* indicates one or more data points plot outside concentration range shown
Sanborn, Head & Associates, Inc.



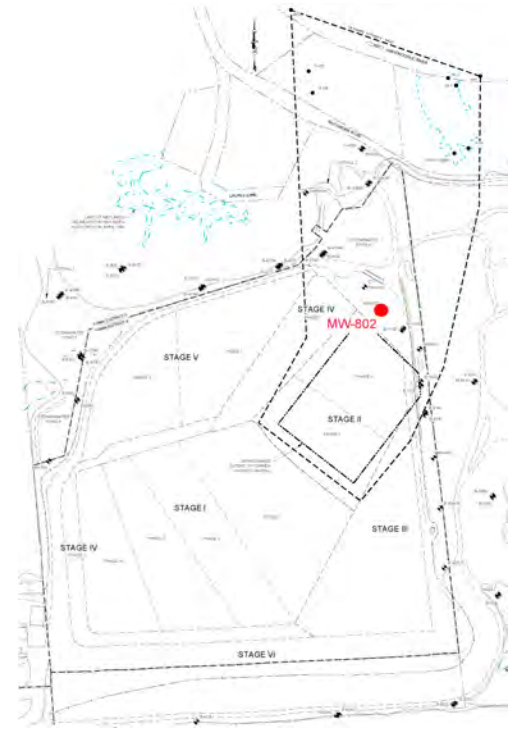


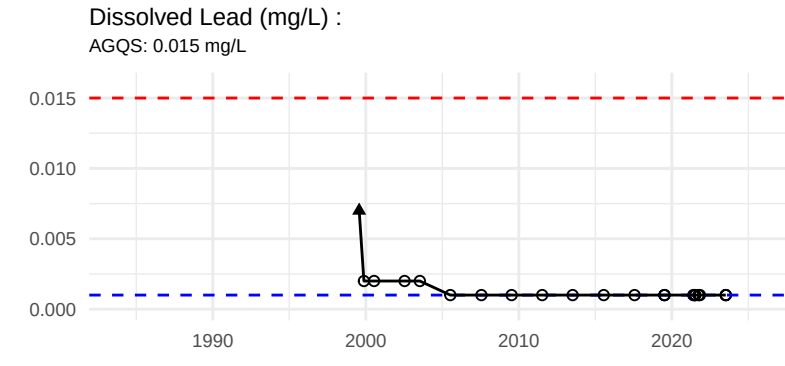
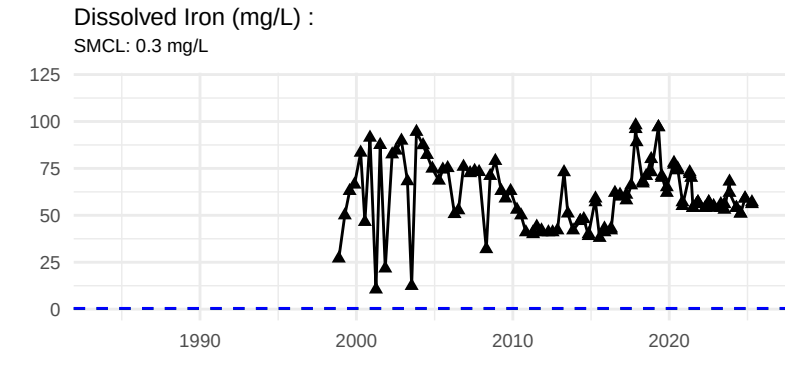
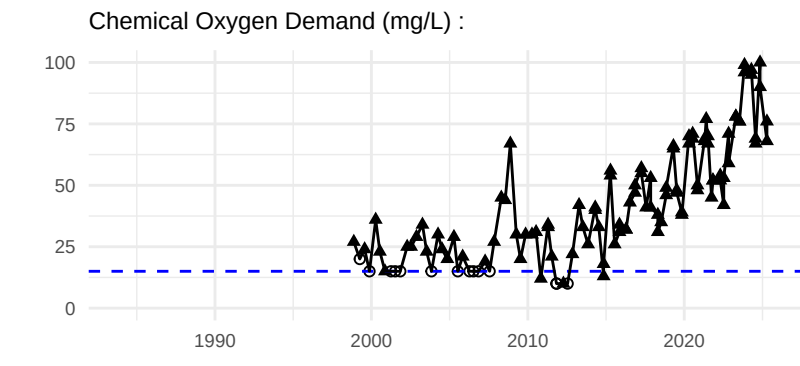
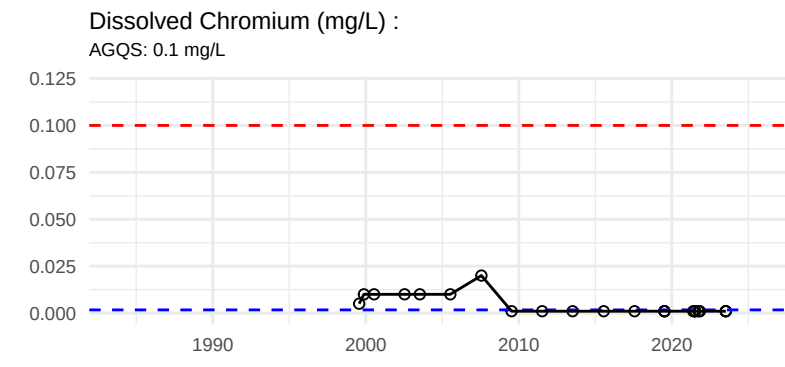
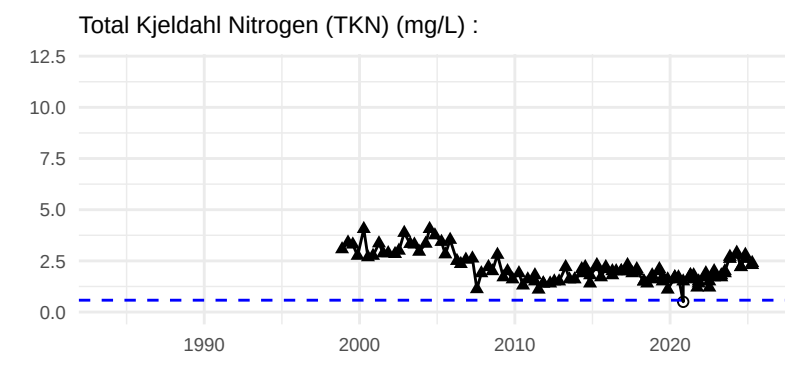
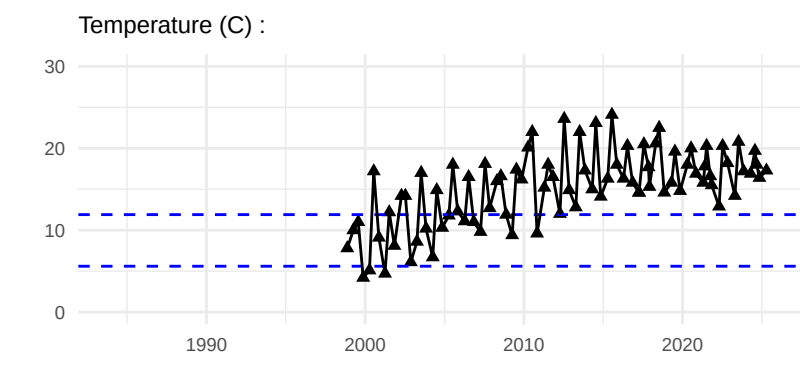
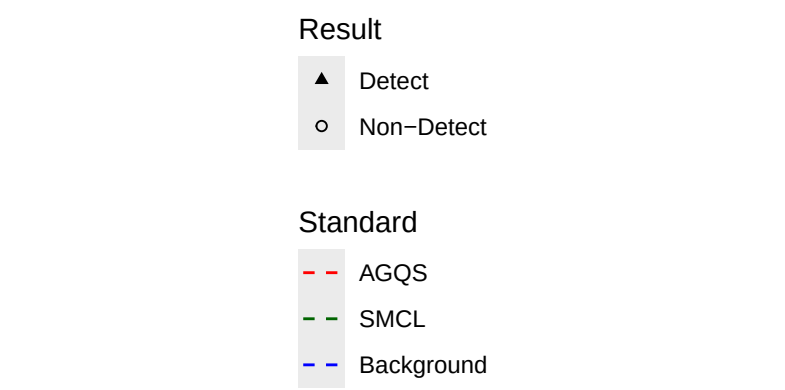
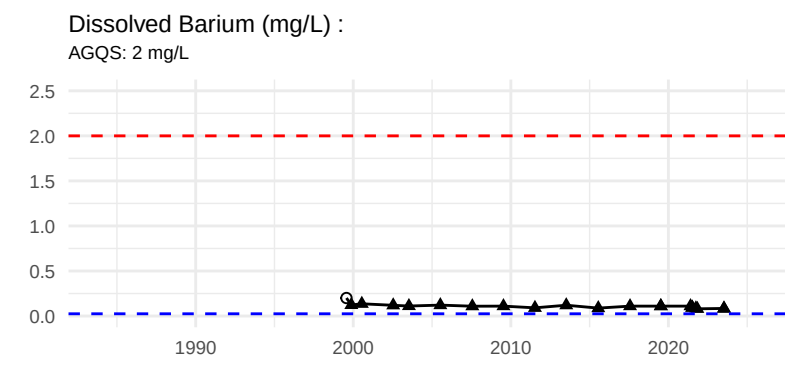
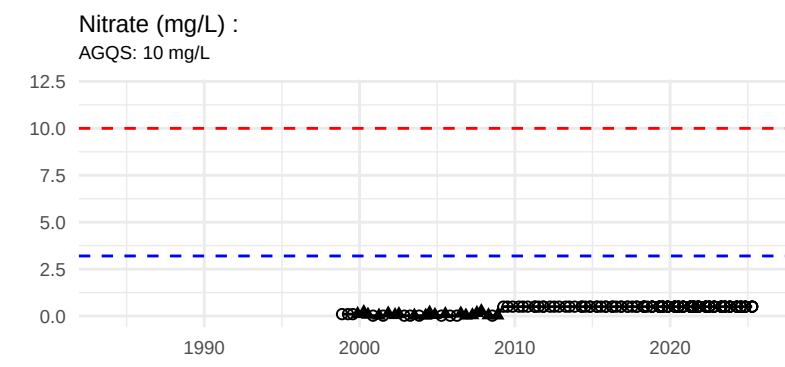
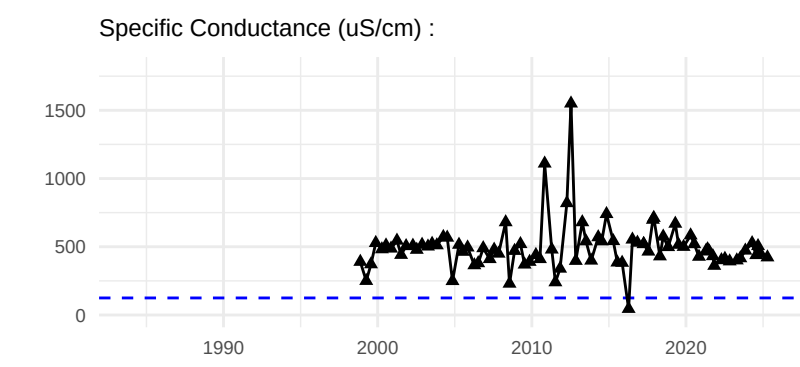
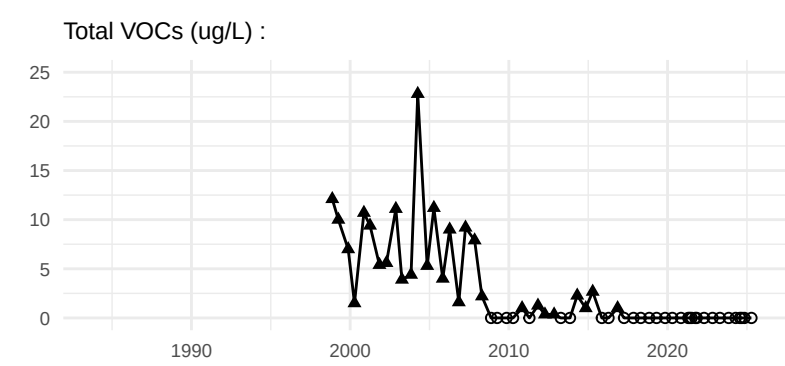
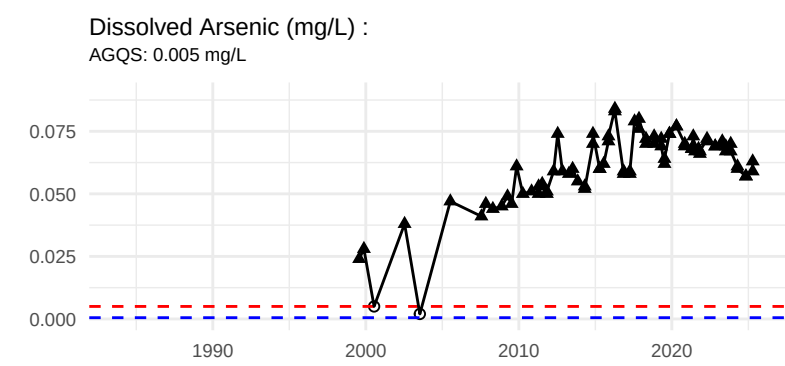
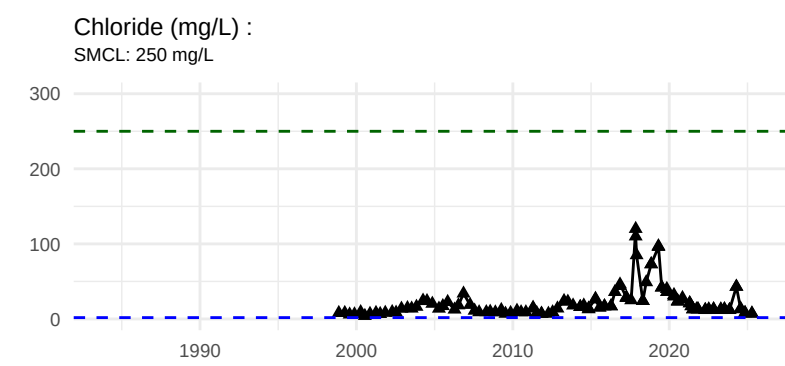
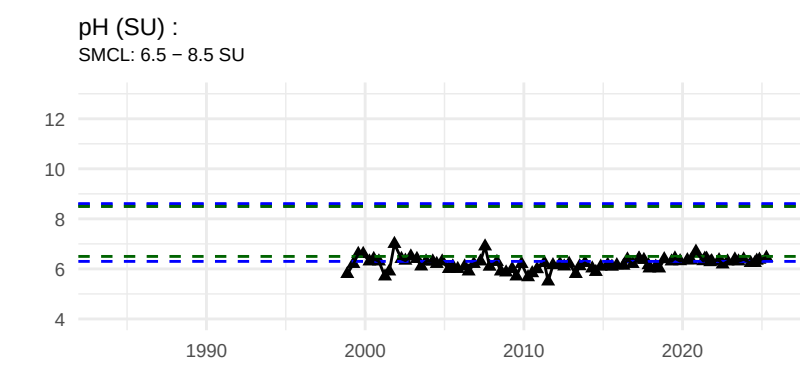
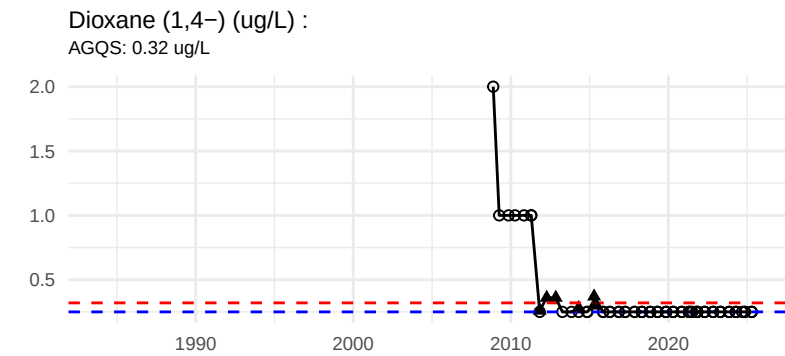
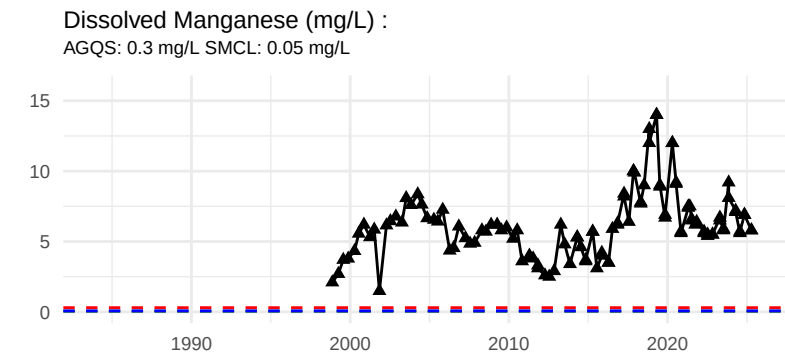
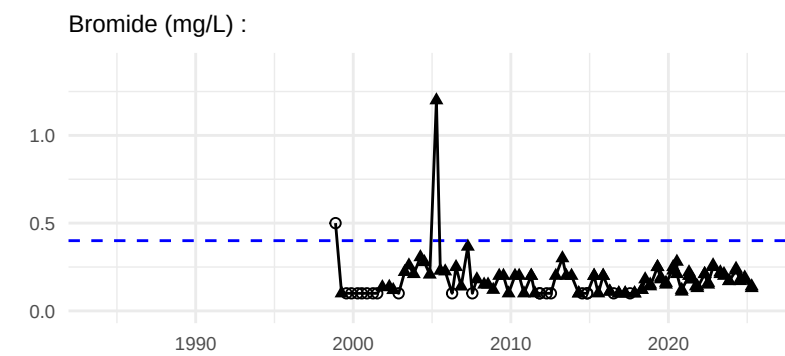
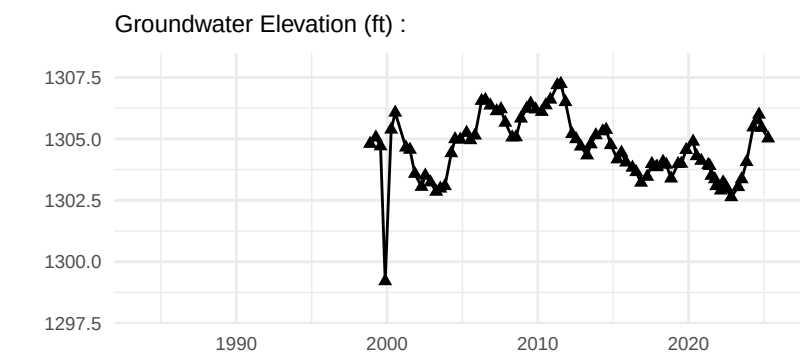
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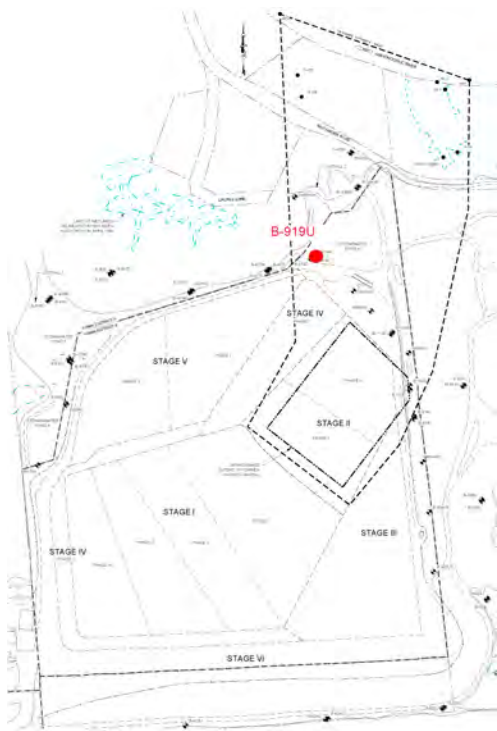
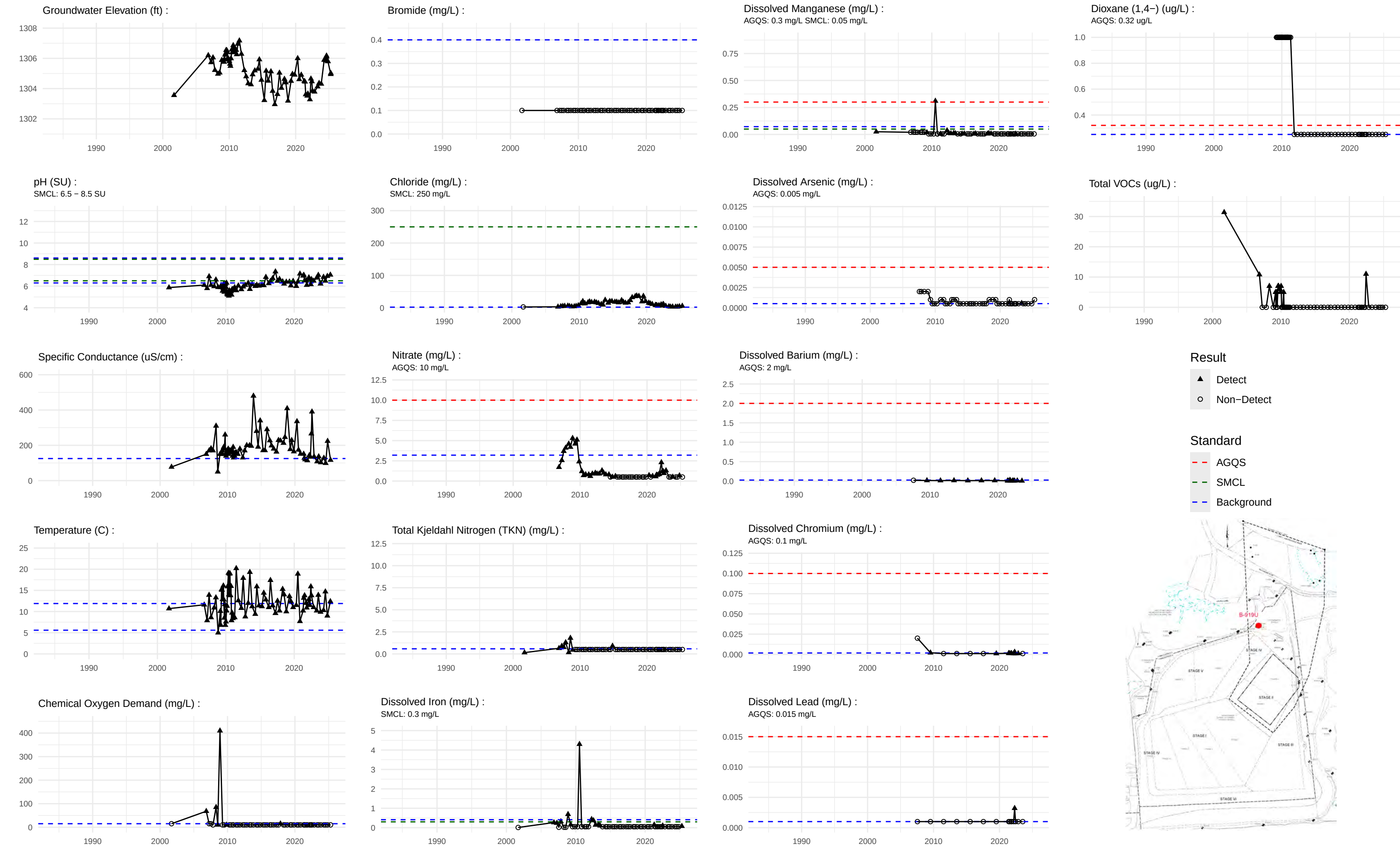
- ▲ Detect
- Non-Detect

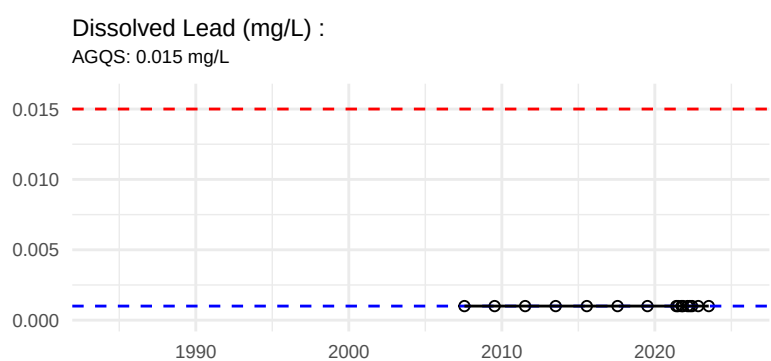
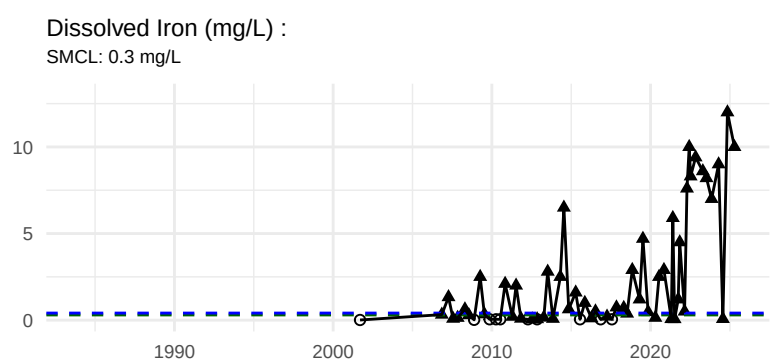
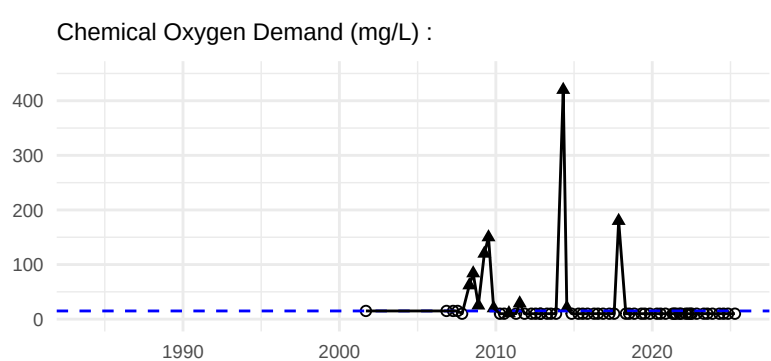
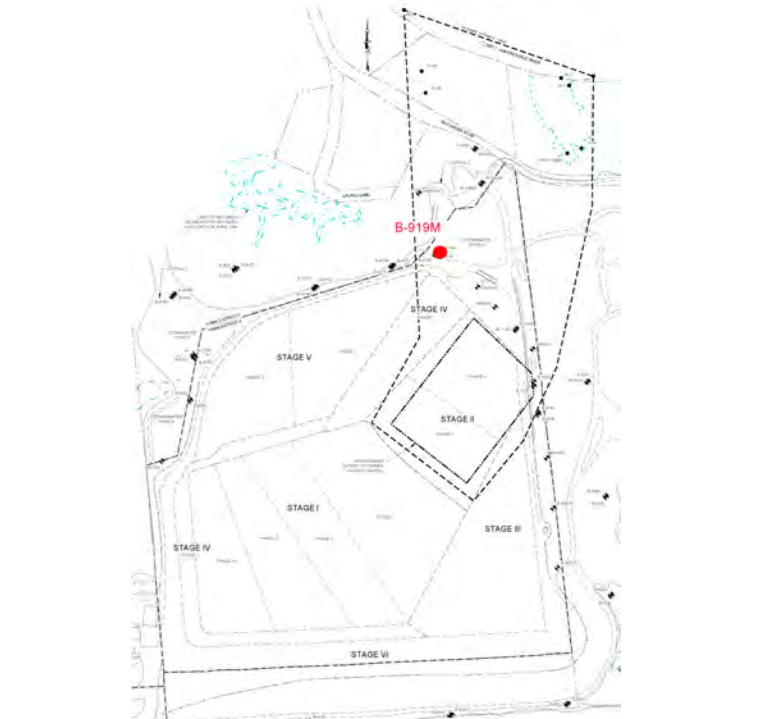
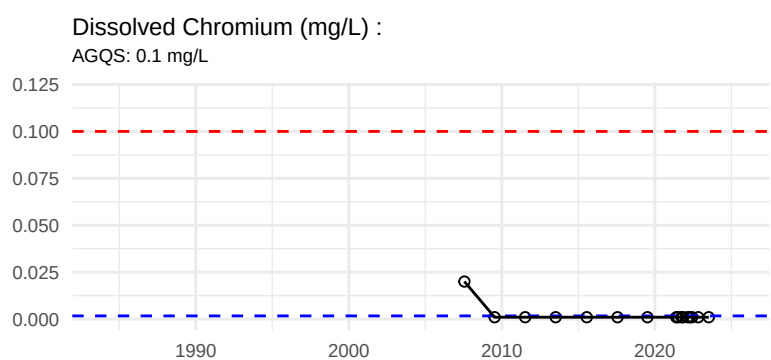
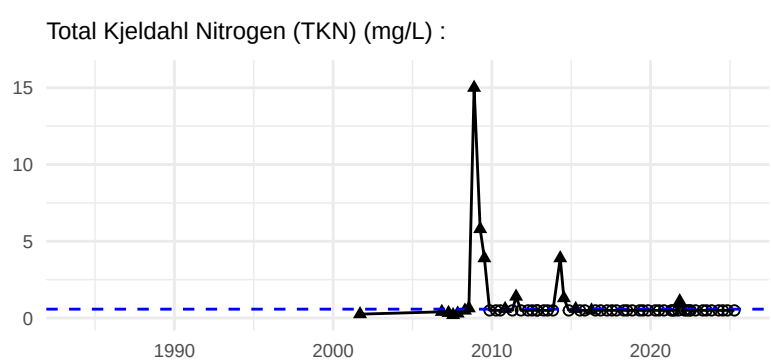
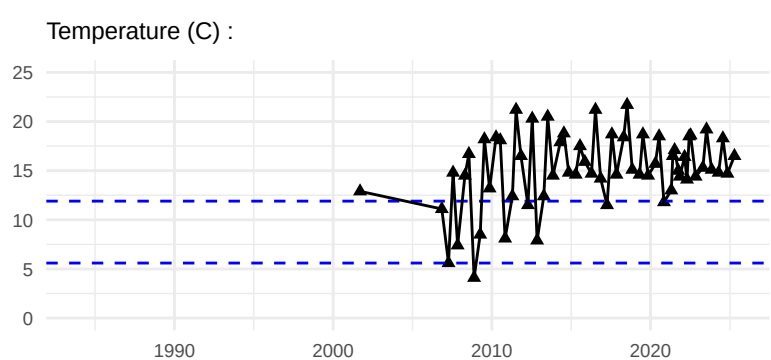
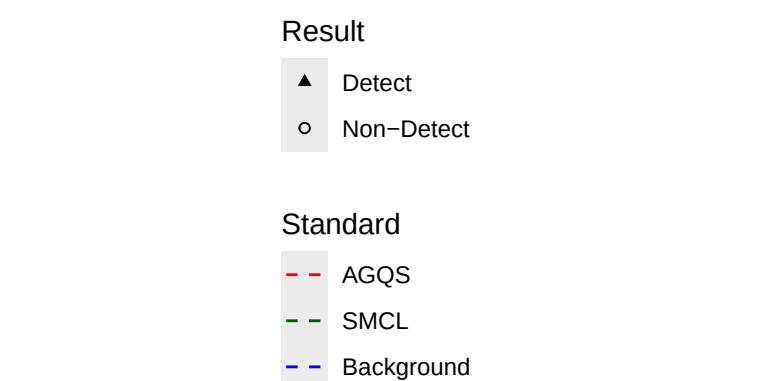
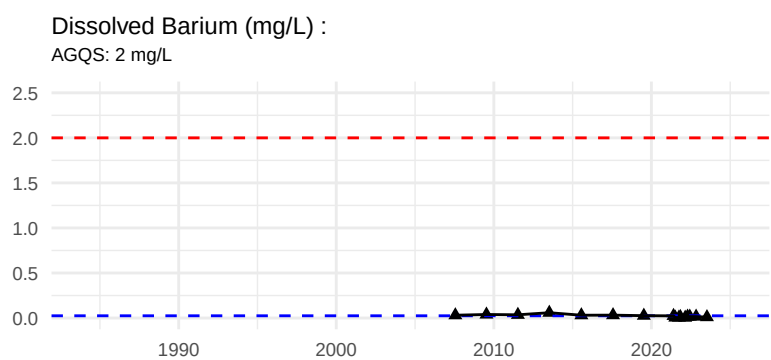
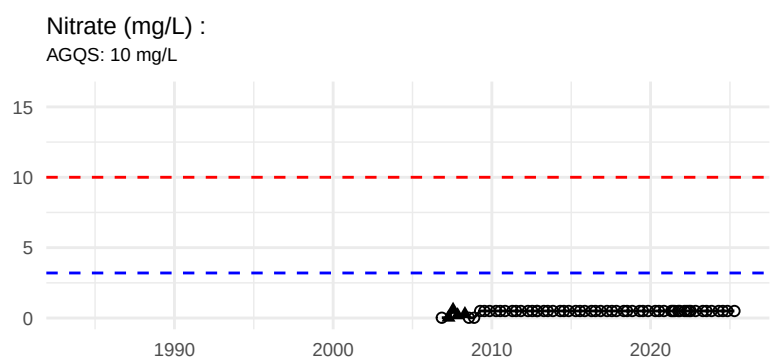
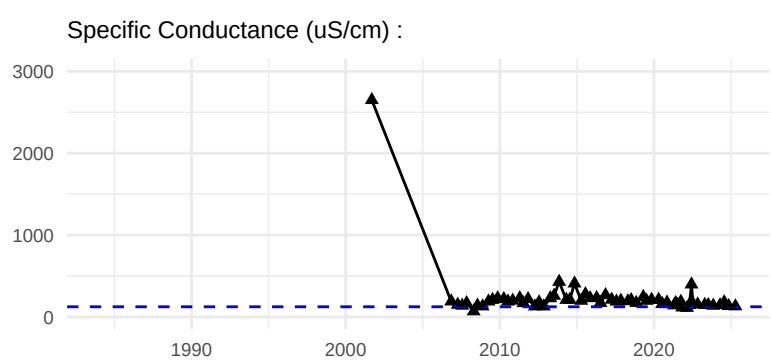
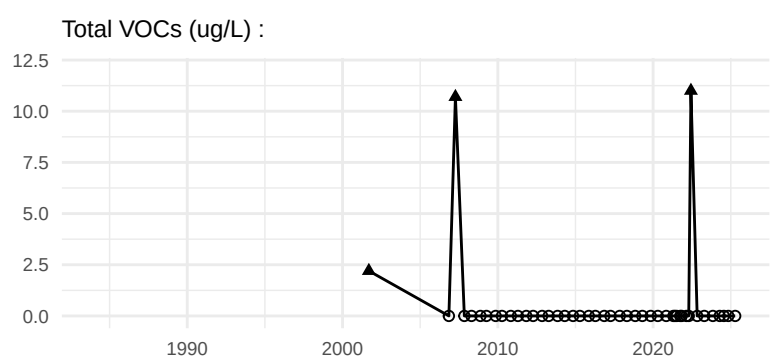
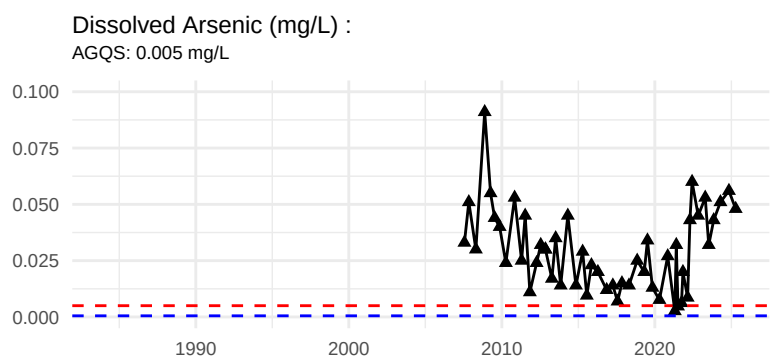
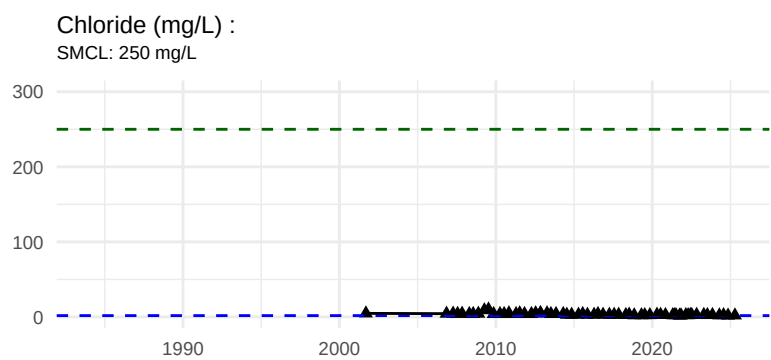
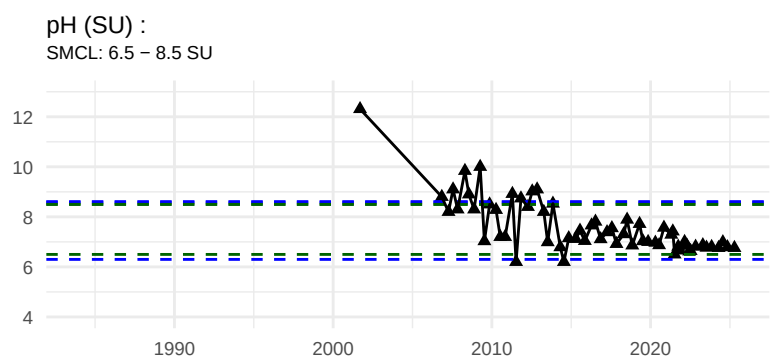
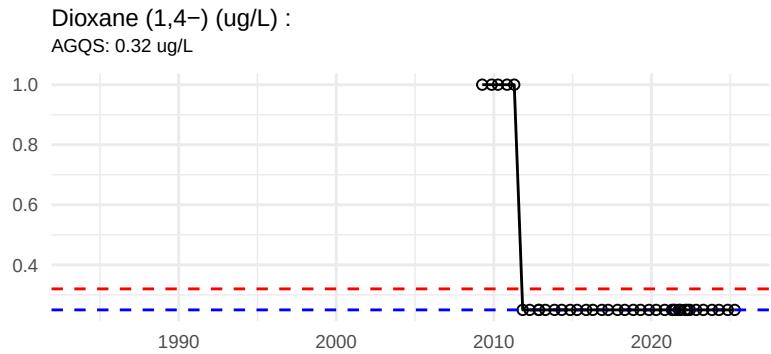
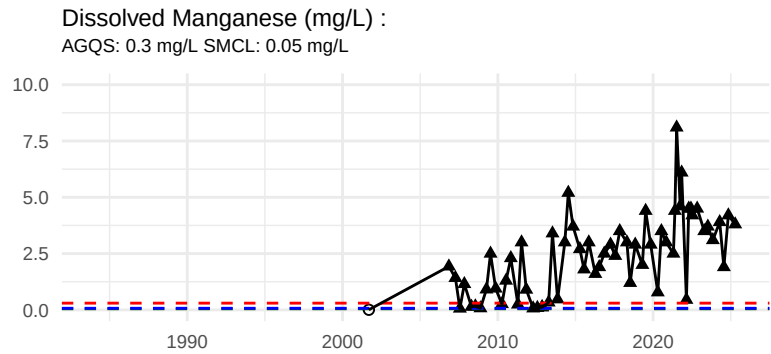
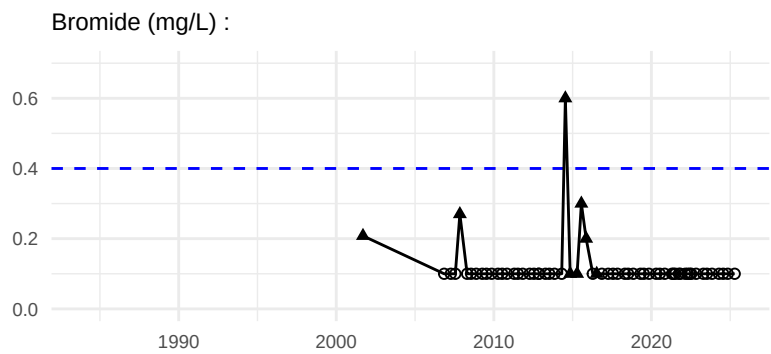
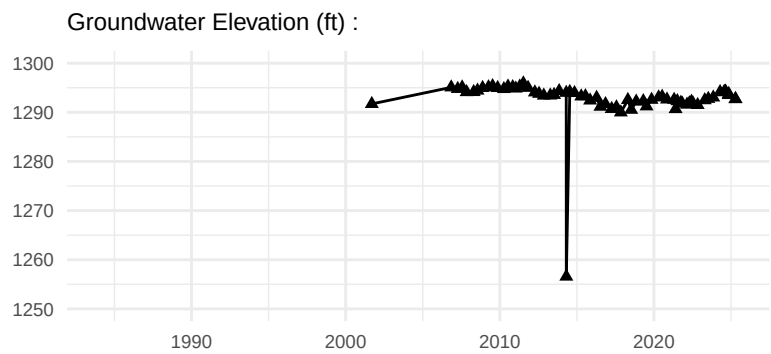
Standard

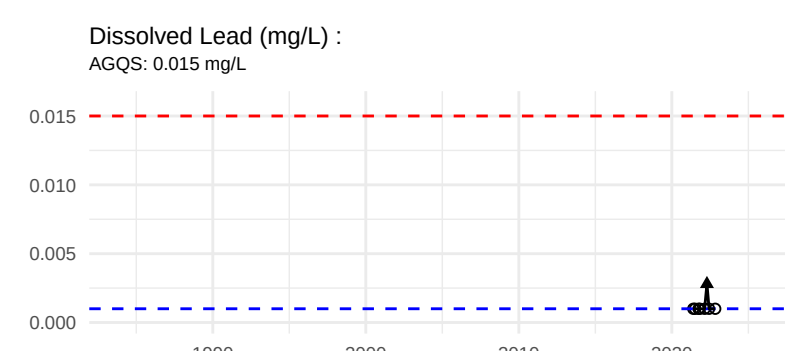
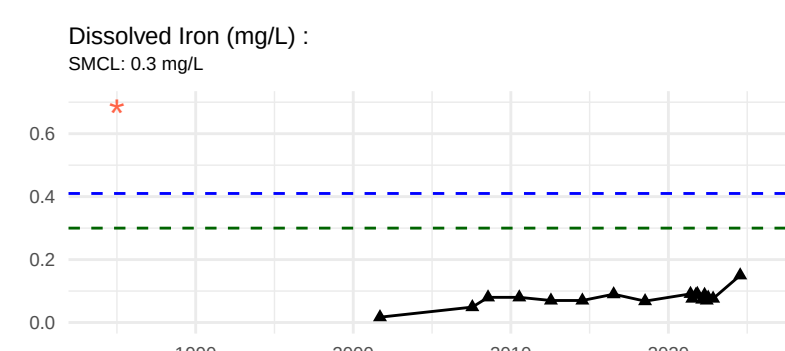
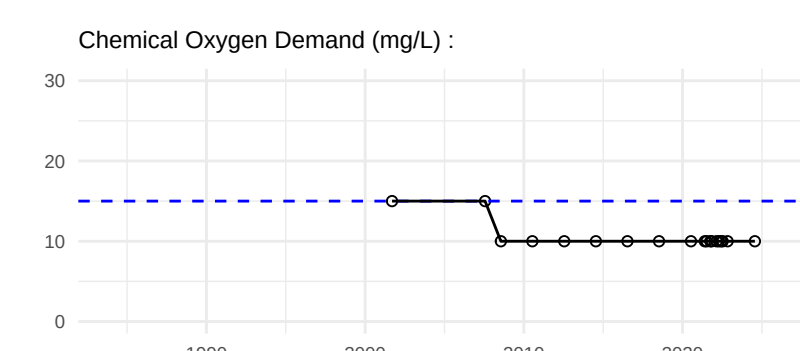
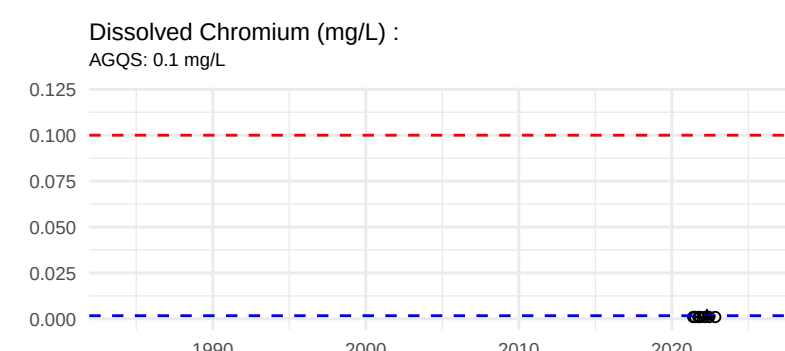
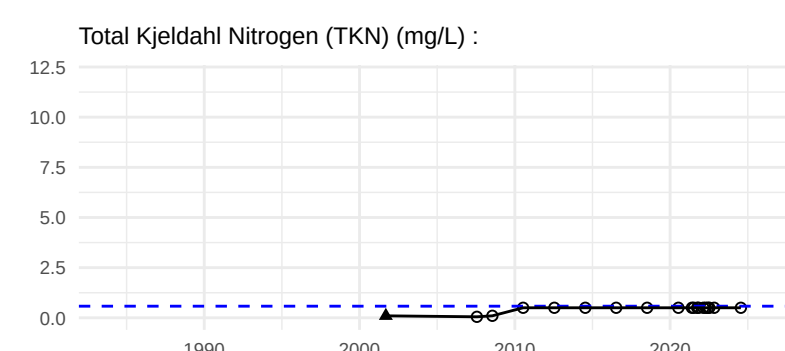
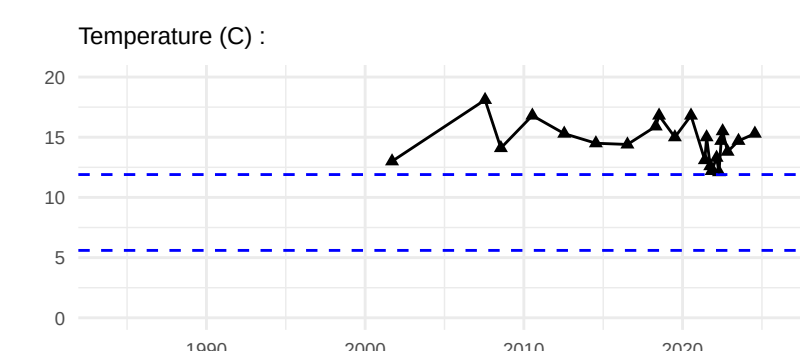
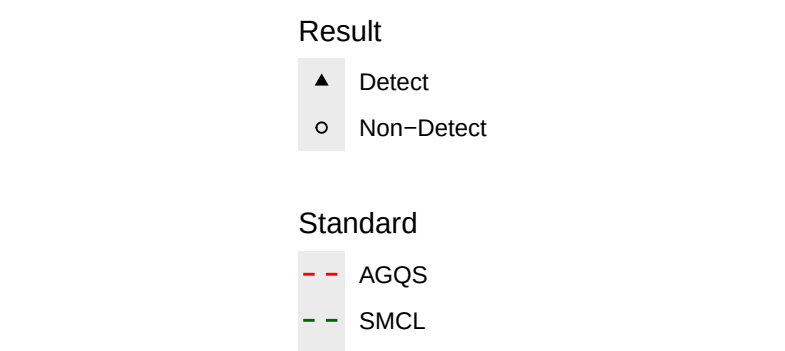
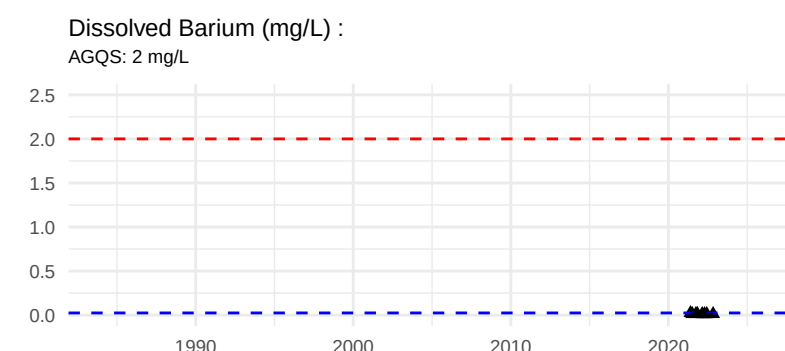
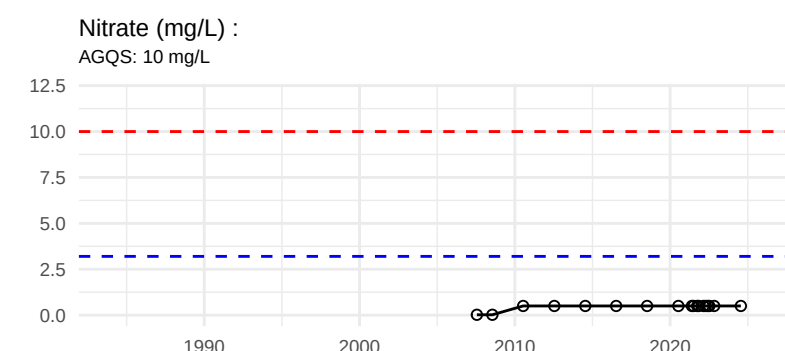
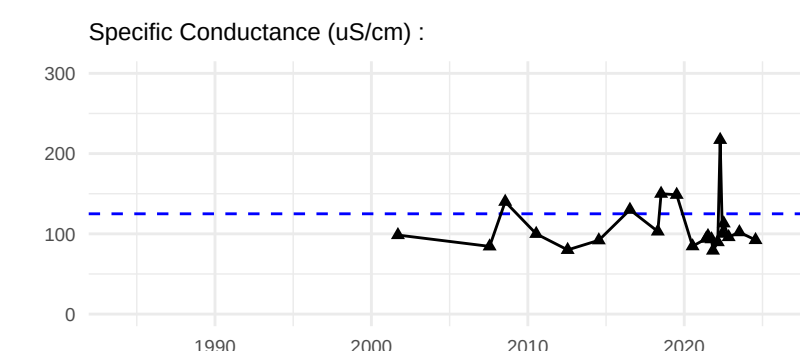
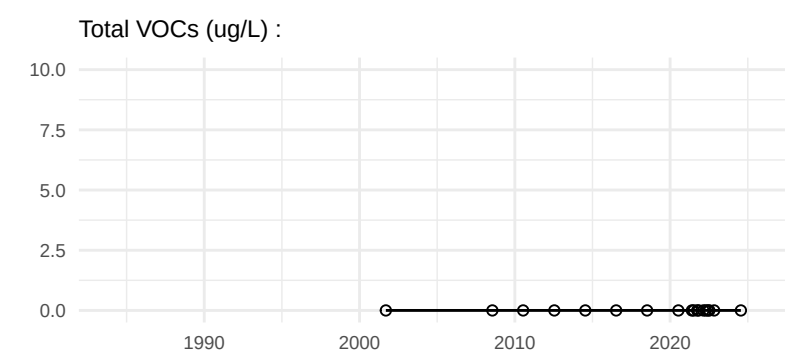
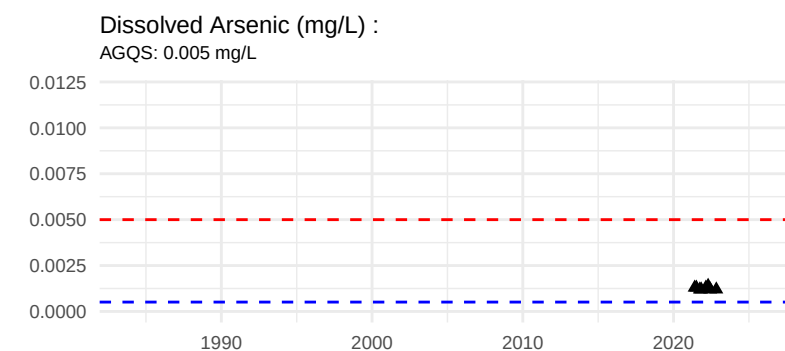
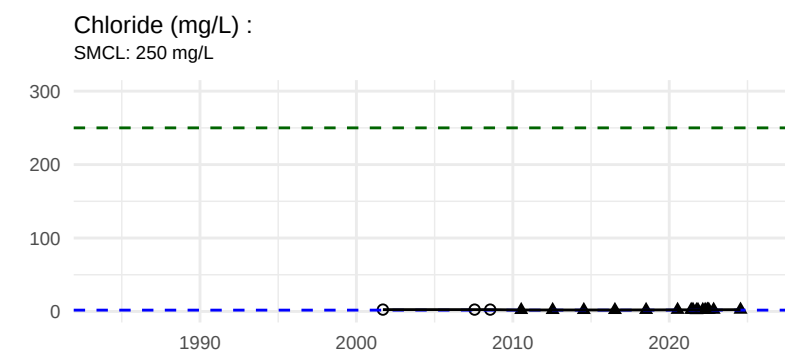
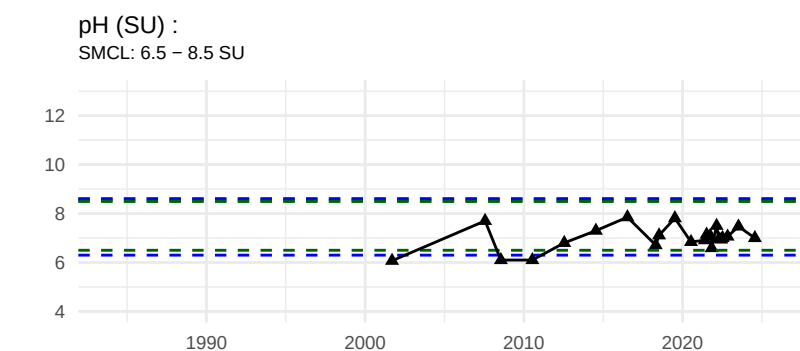
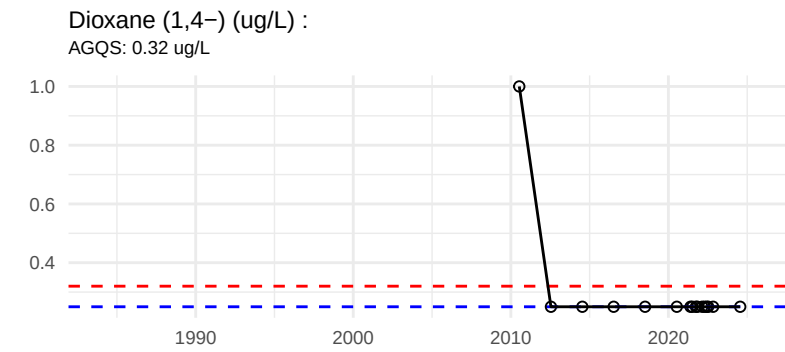
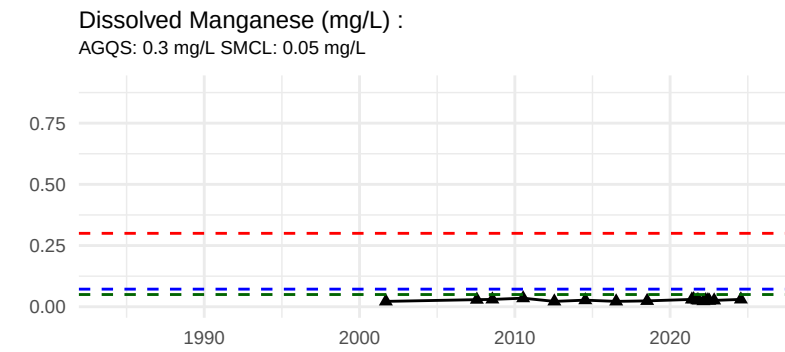
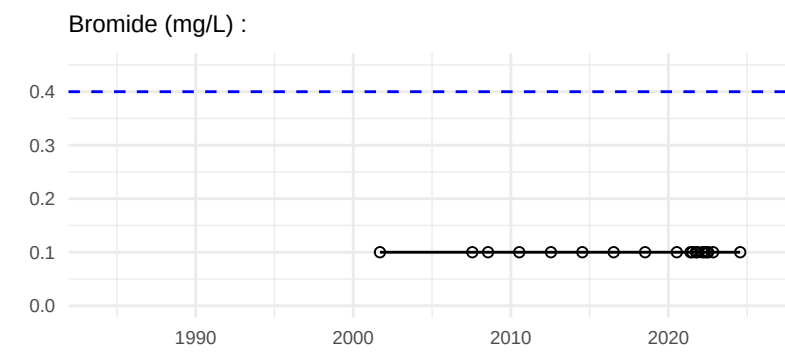
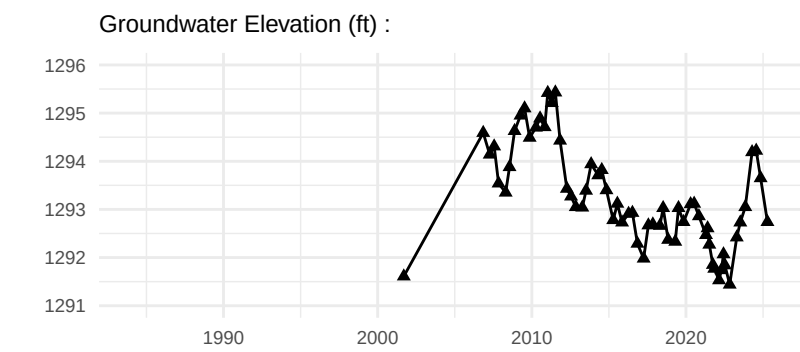
- AGQS
- SMCL
- Background

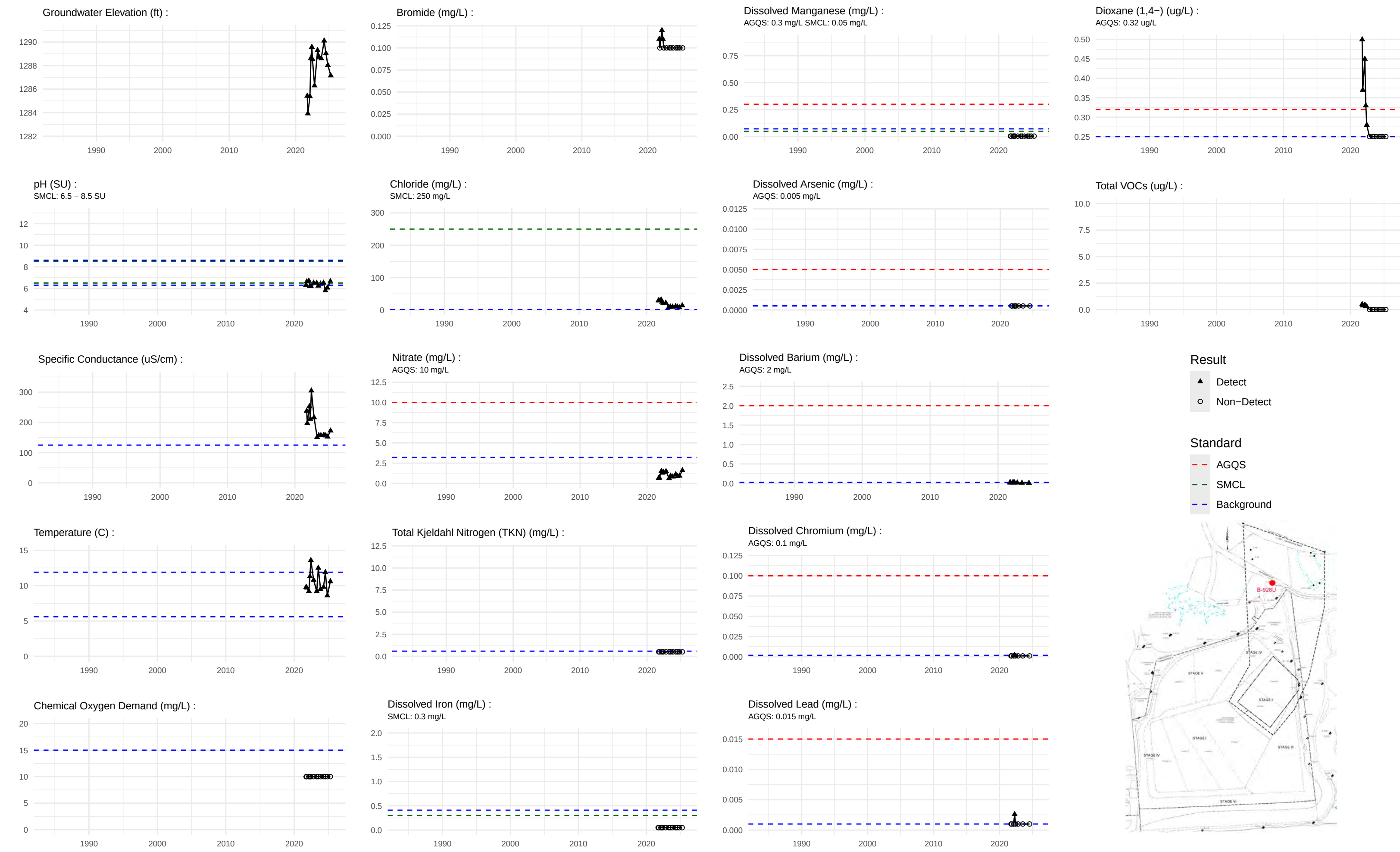


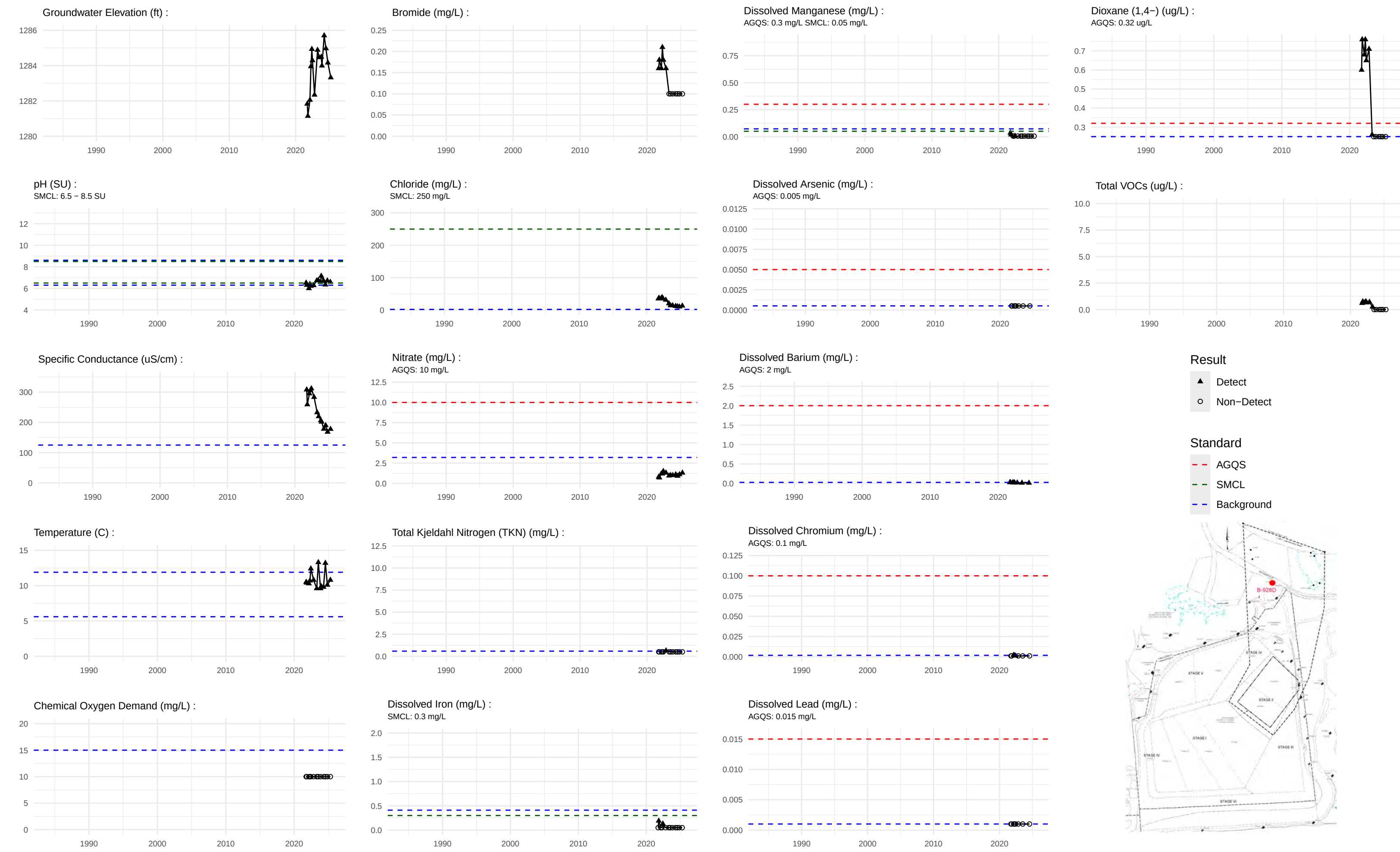




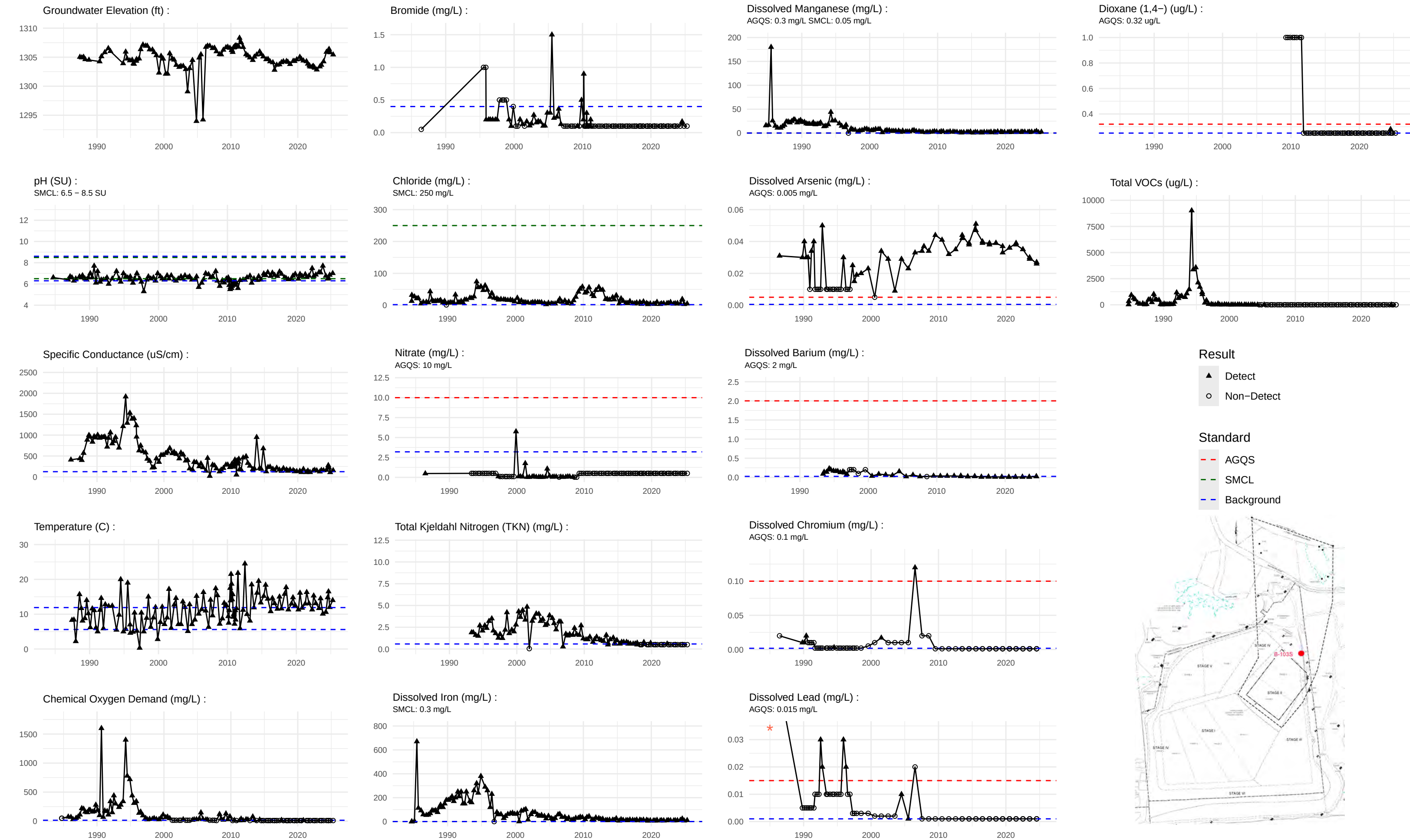


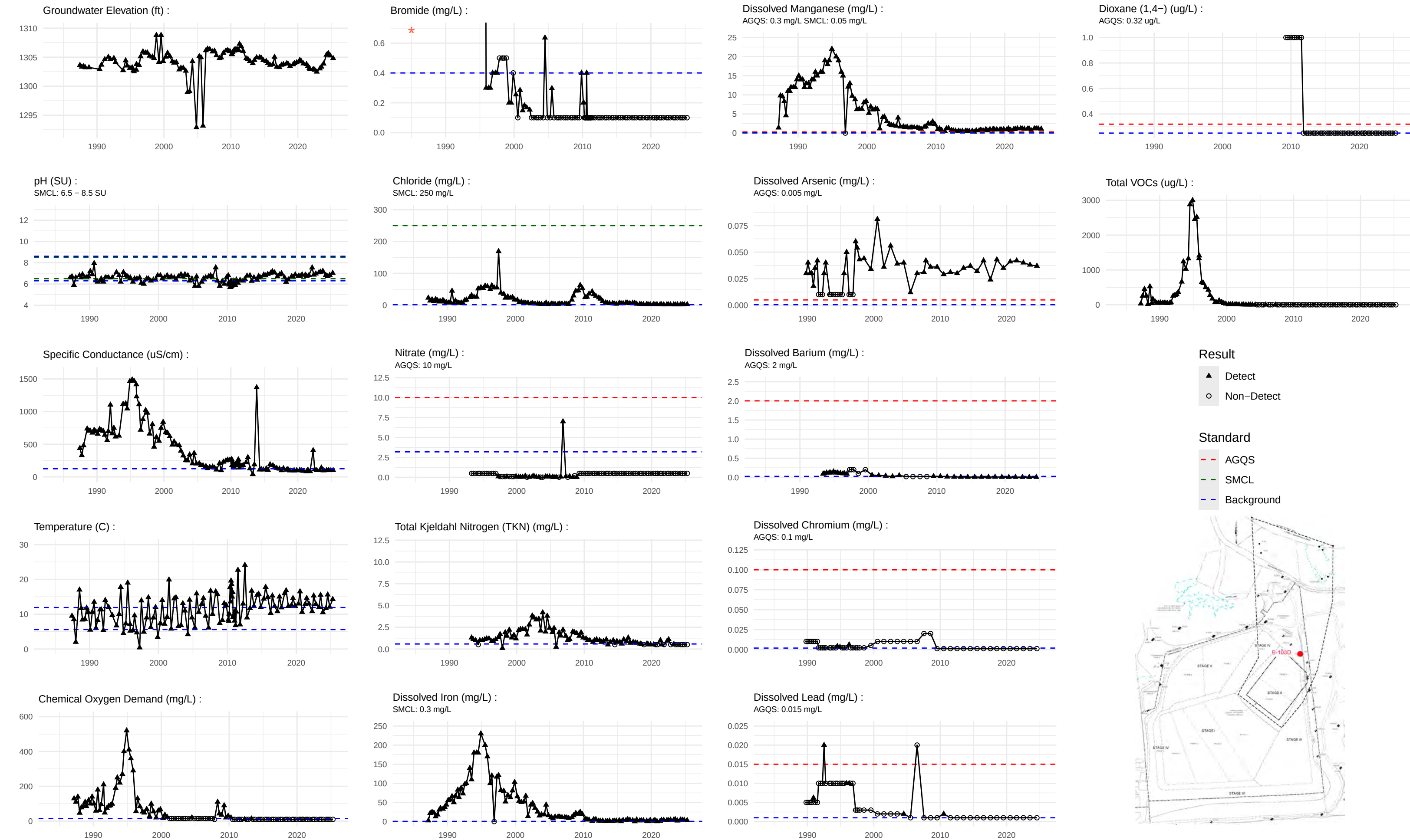


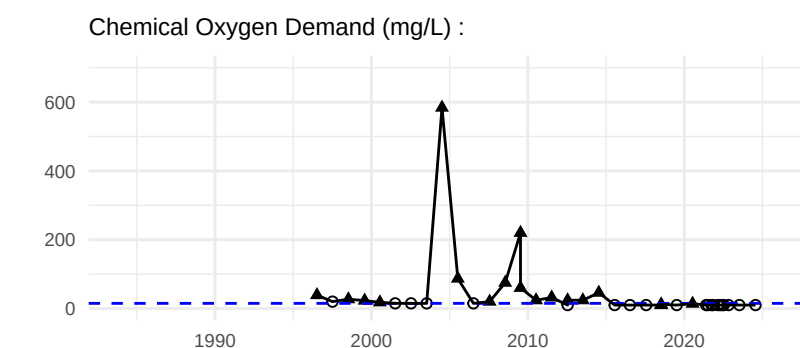
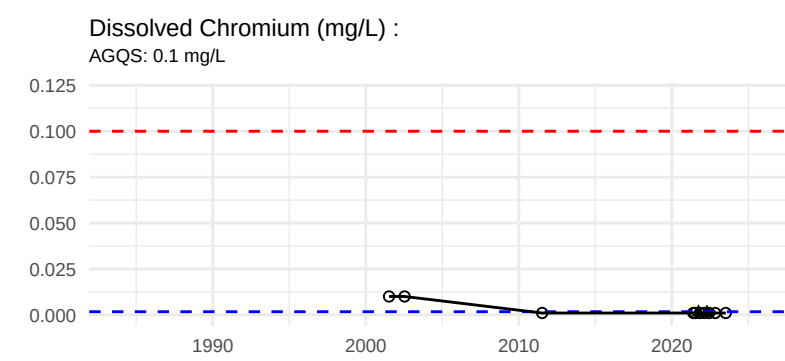
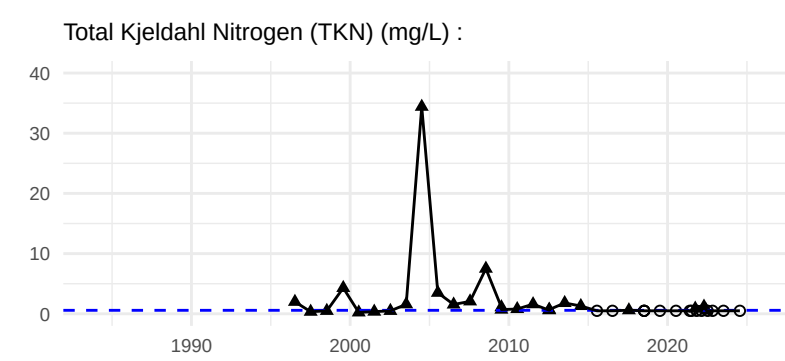
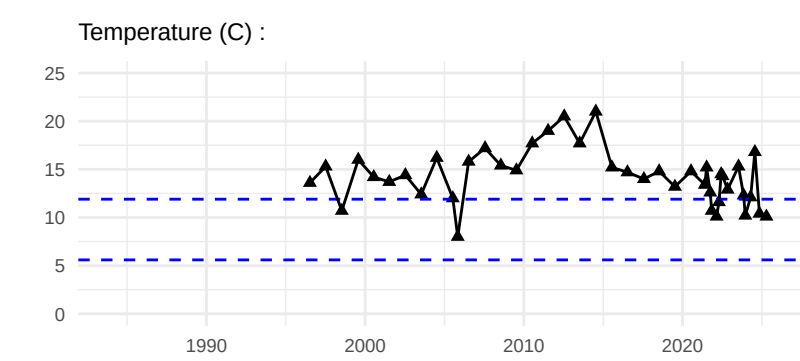
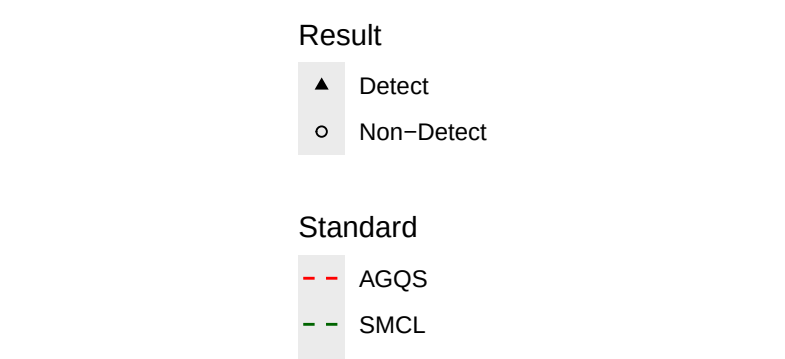
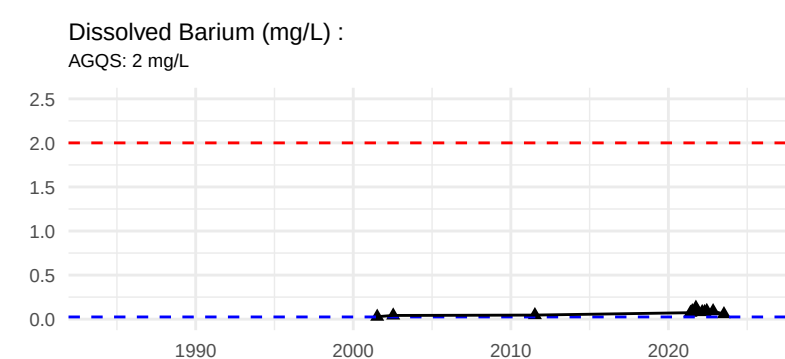
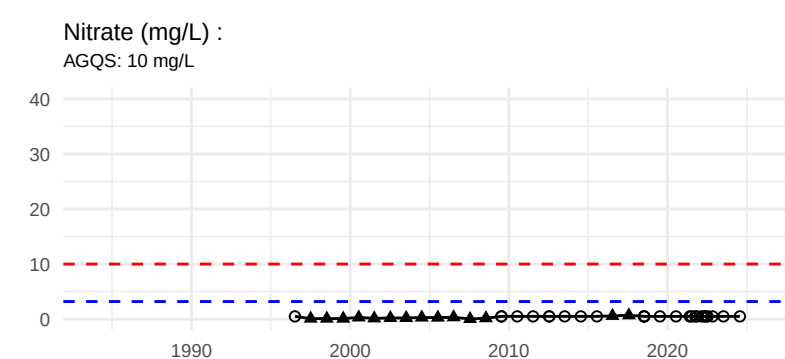
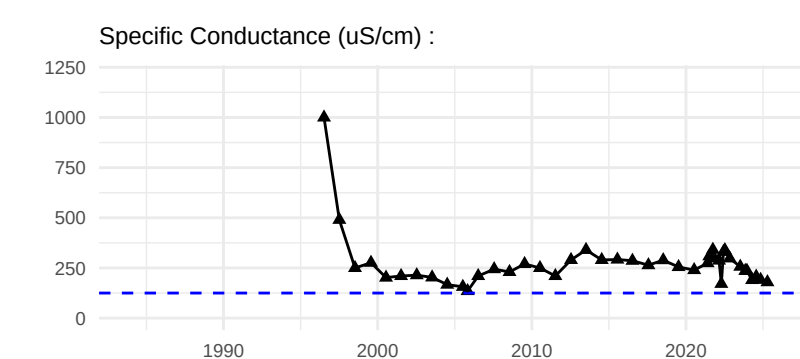
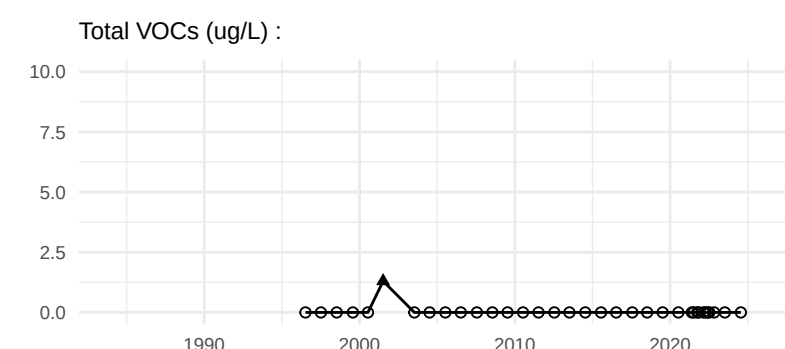
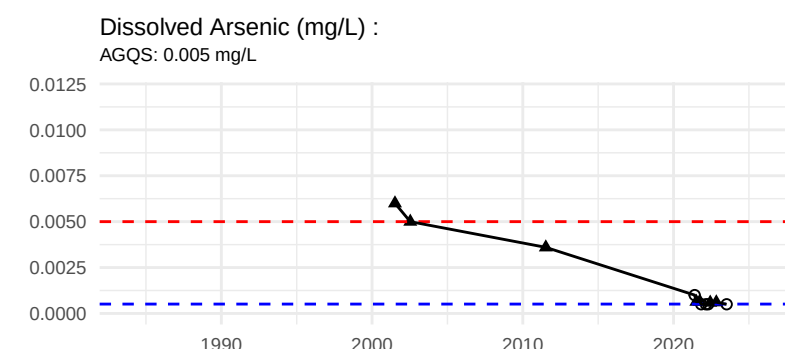
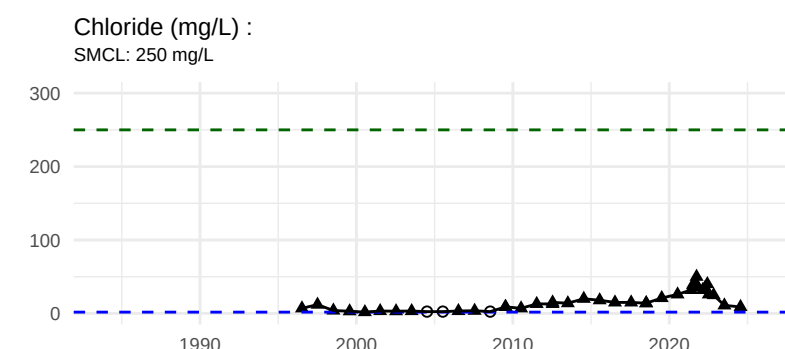
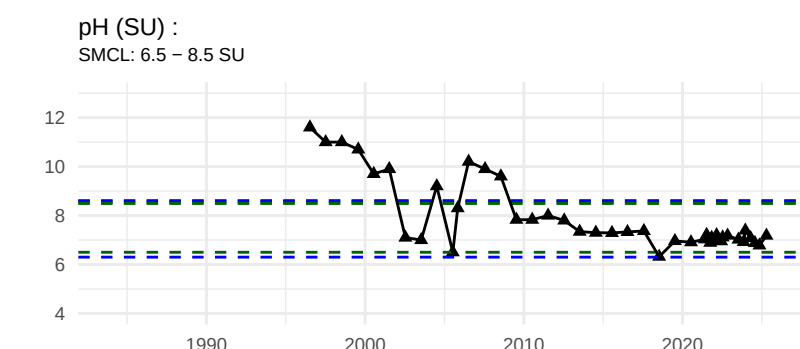
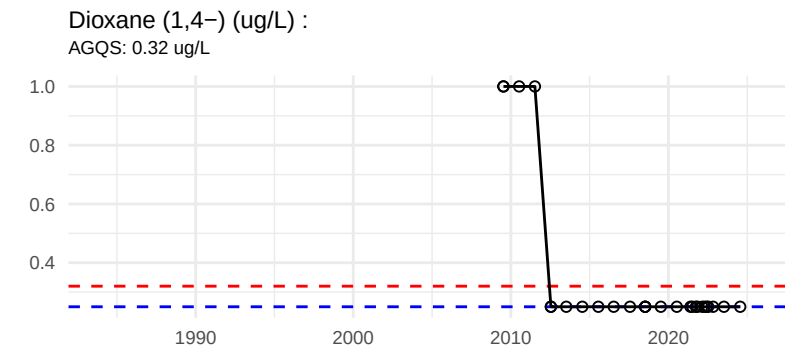
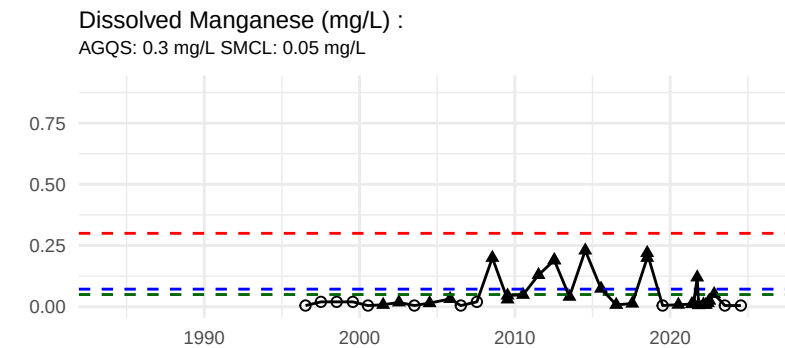
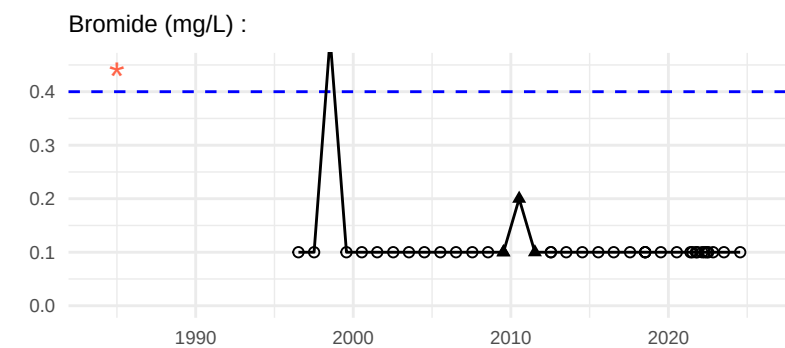
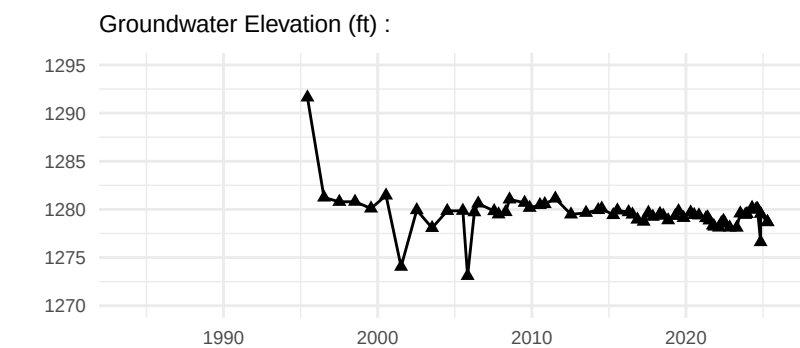




GROUNDWATER MANAGEMENT WELLS INSIDE THE GMZ



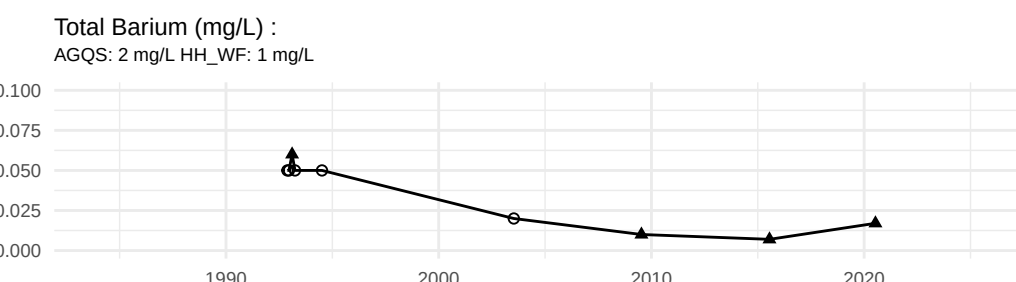
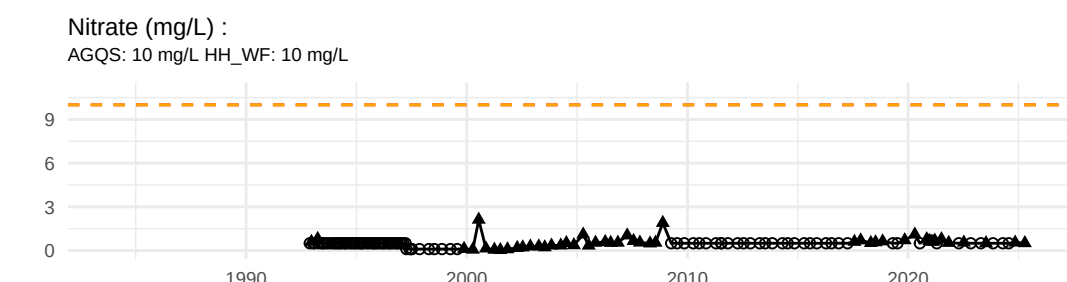
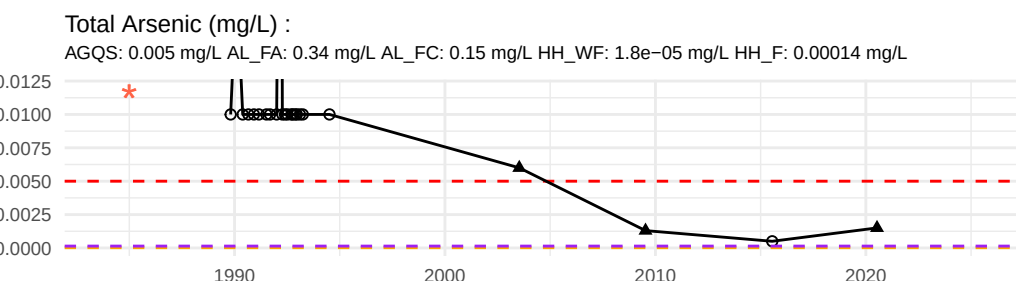
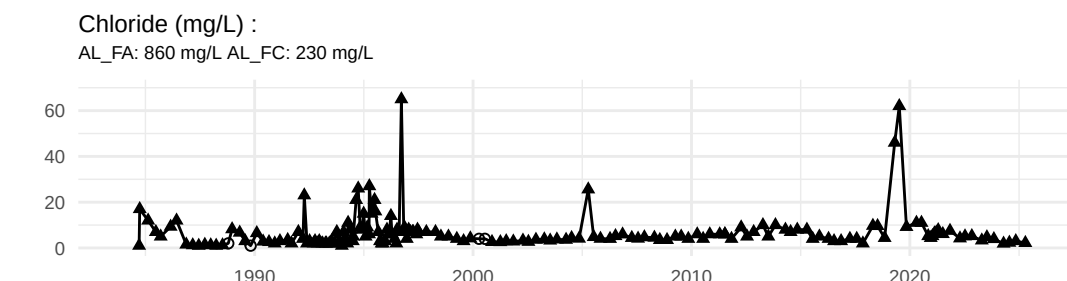
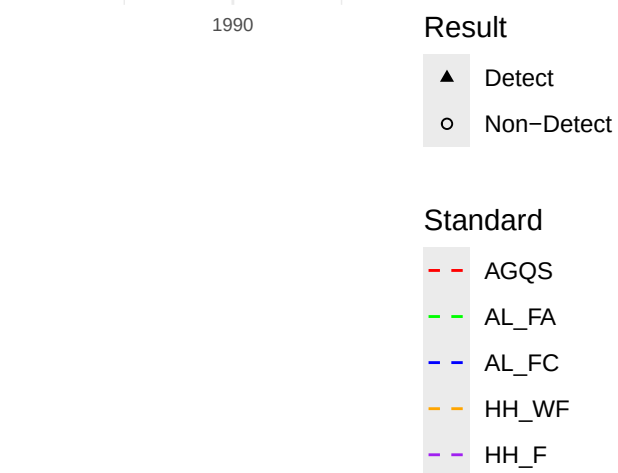
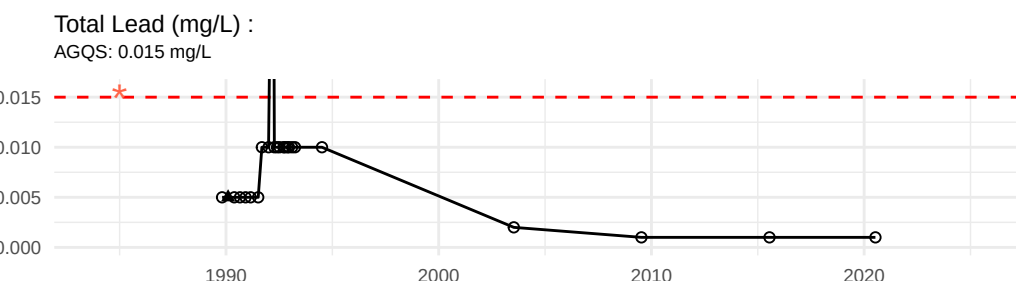
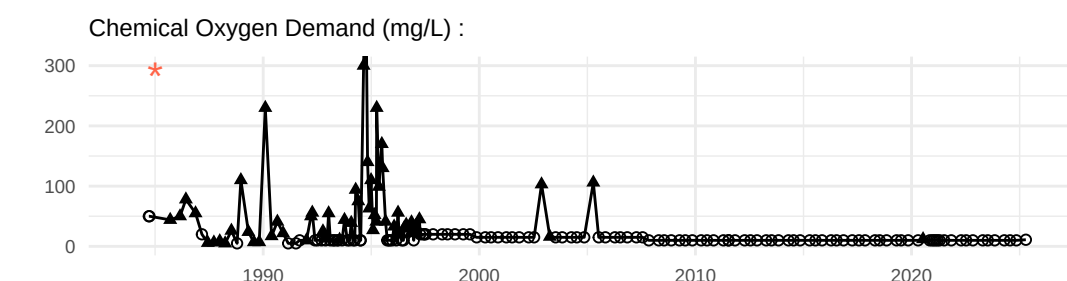
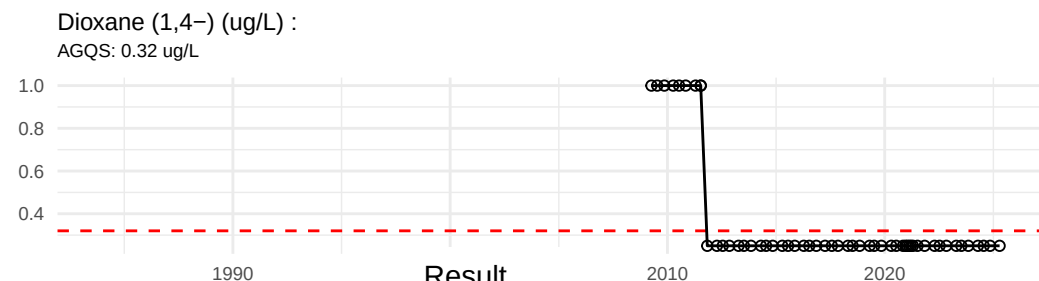
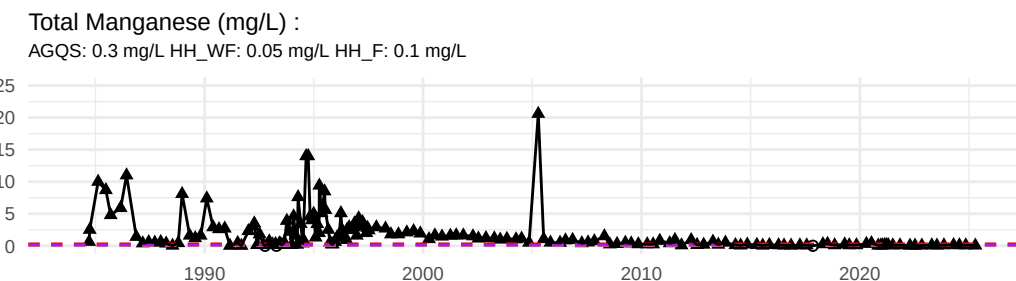
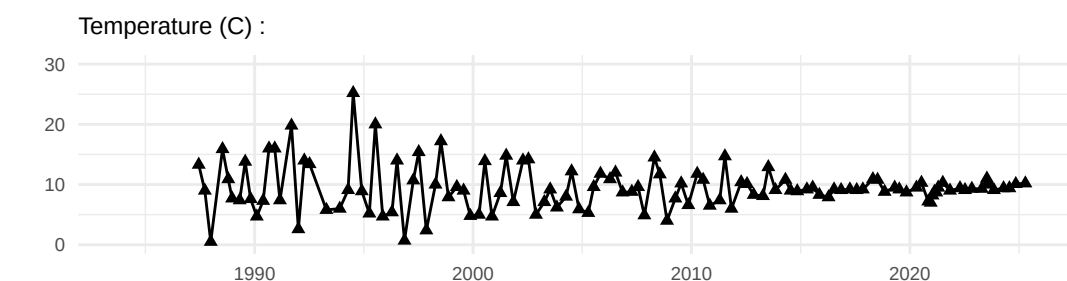
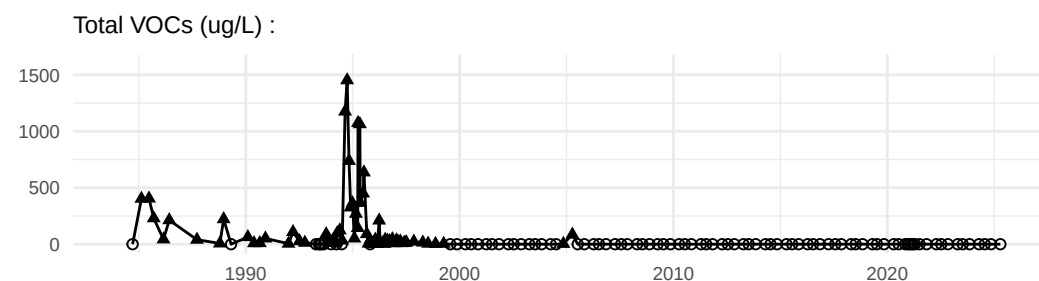
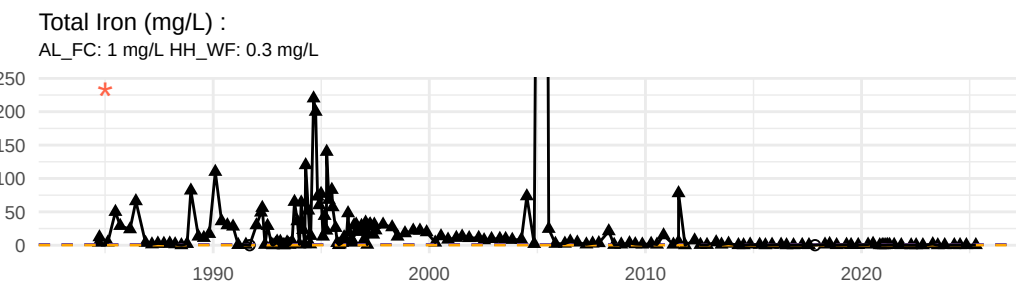
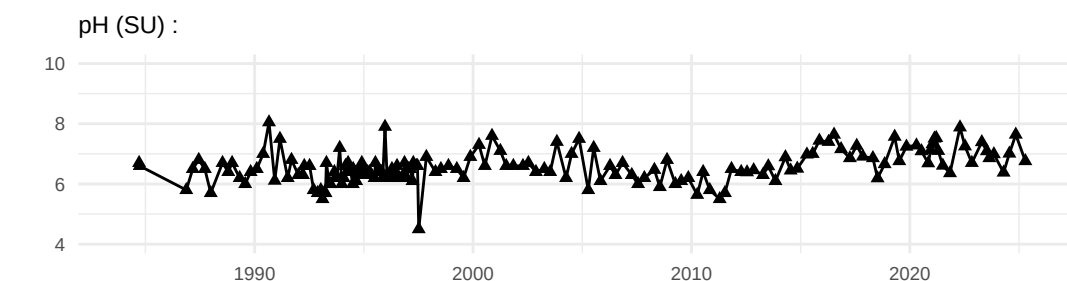
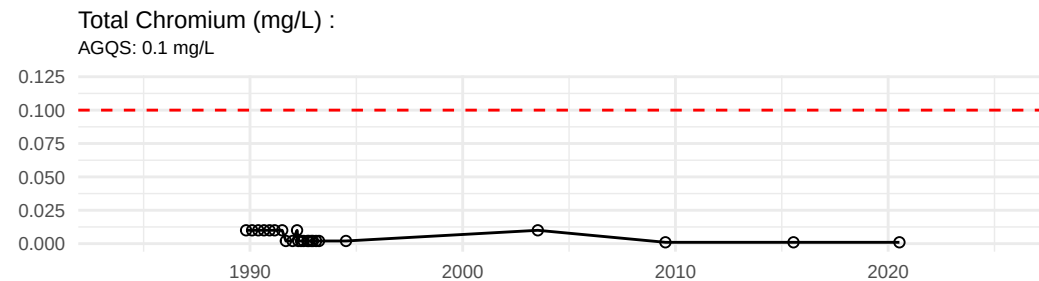
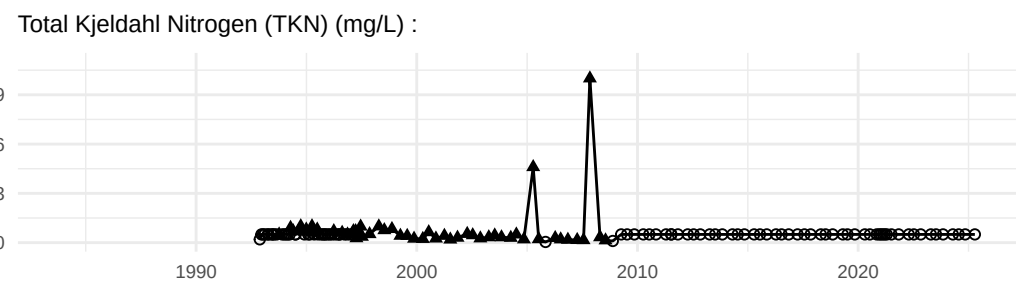
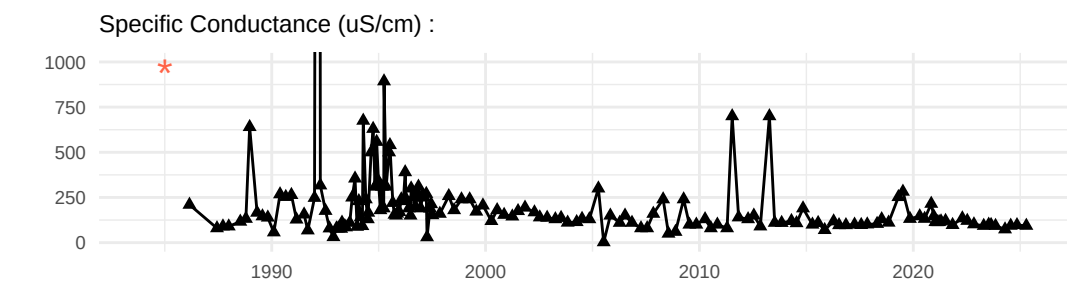




Appendix C.2

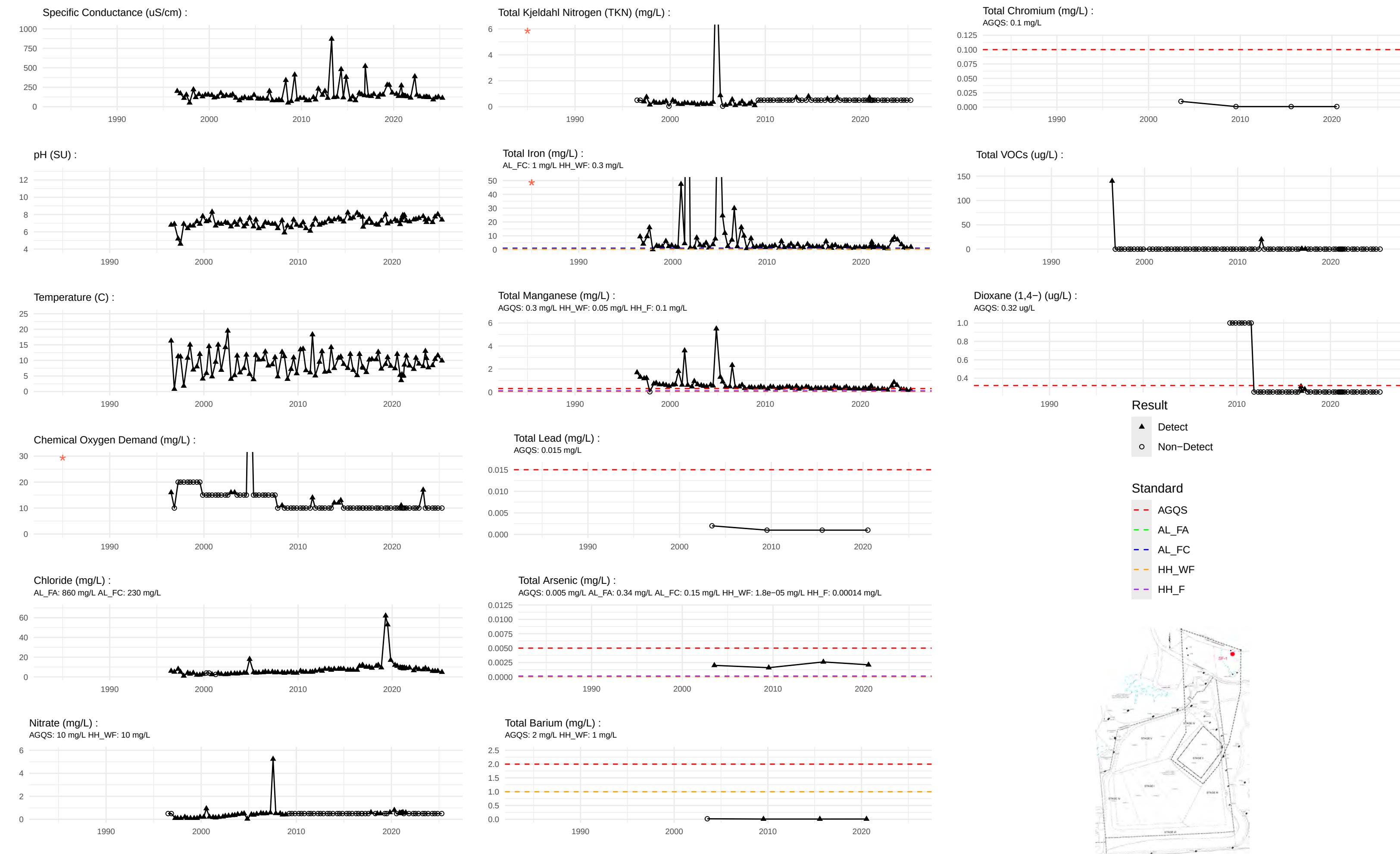
Surface Water Analytical Results

Seep S-1



* indicates one or more data points plot outside concentration range shown
Sanborn, Head & Associates, Inc.

SF-1



Result

▲ Detect

○ Non-Detect

Standard

--- AGQS

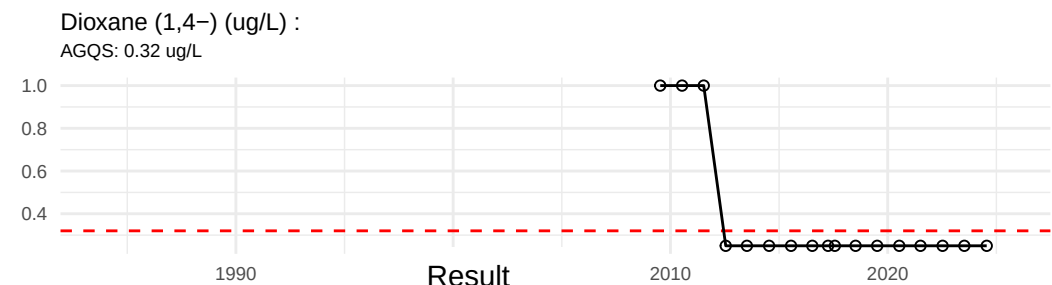
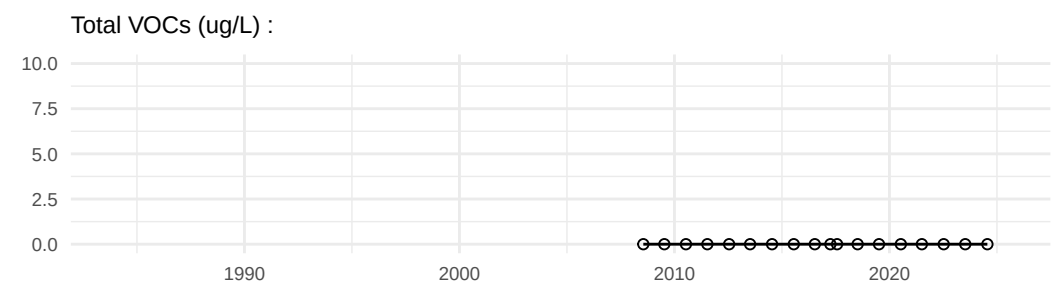
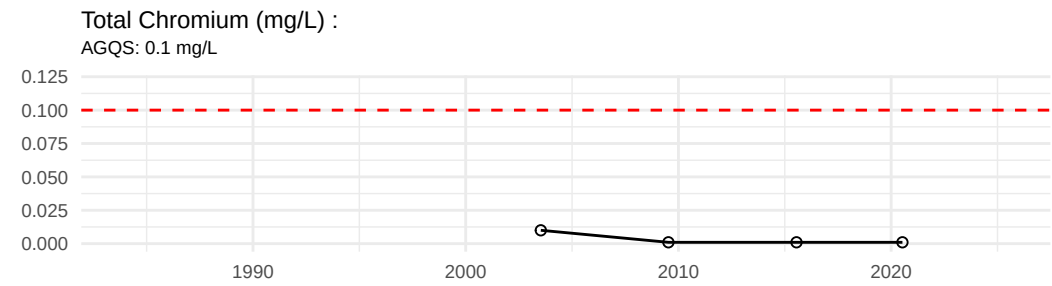
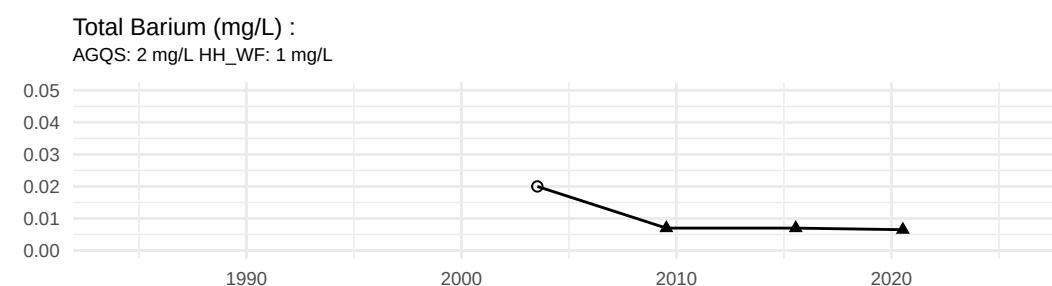
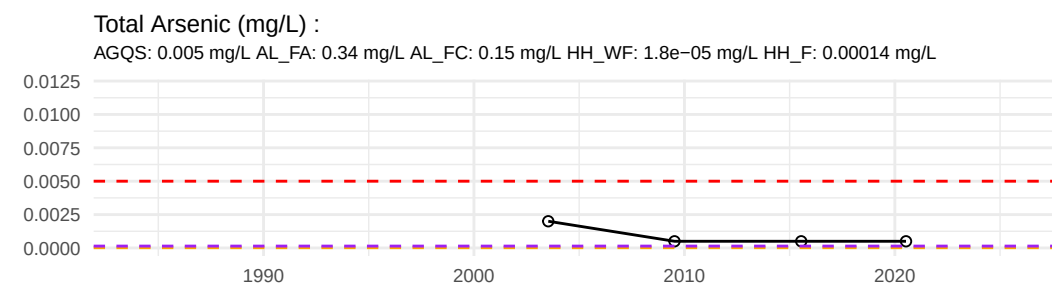
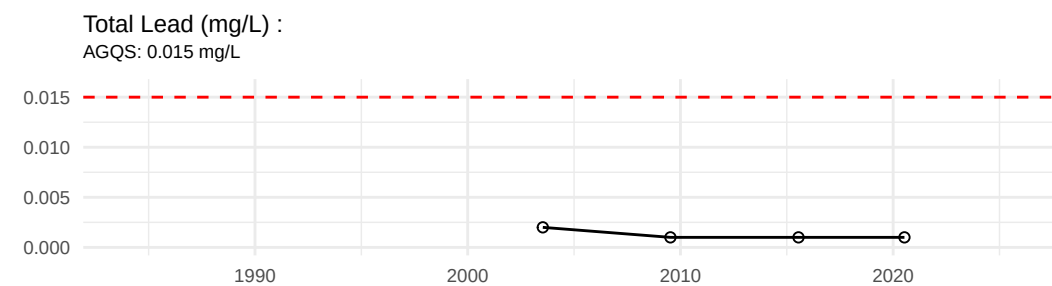
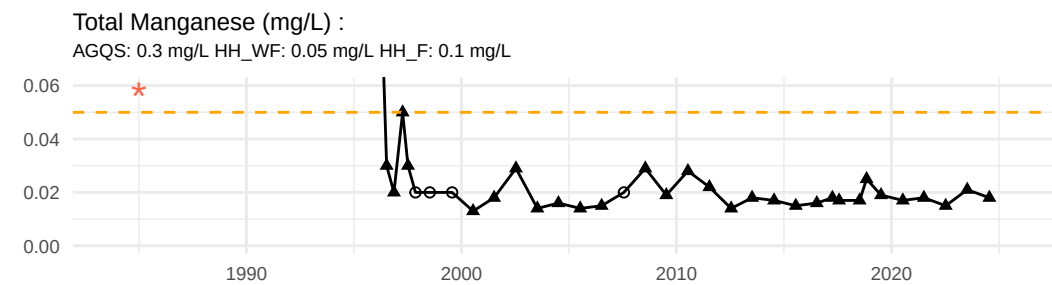
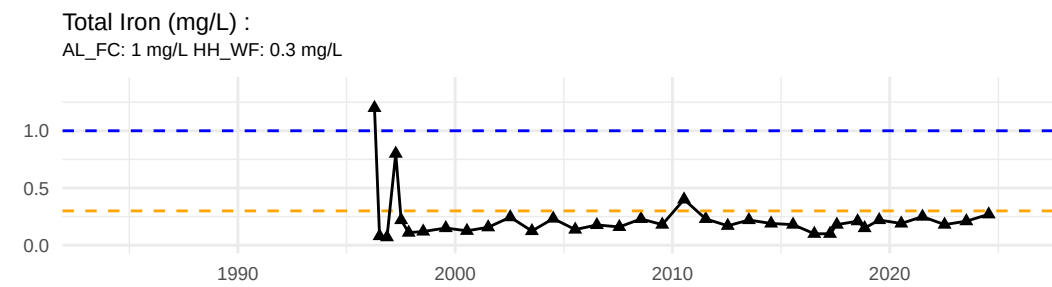
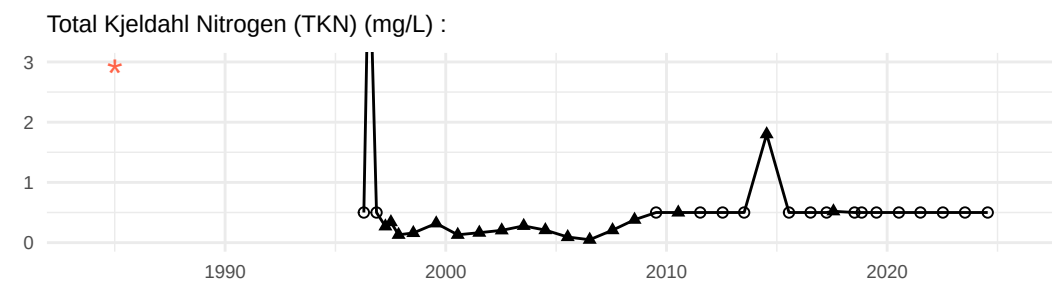
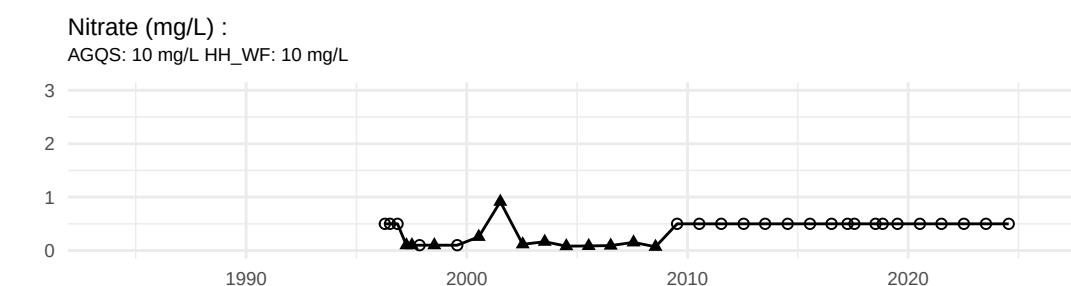
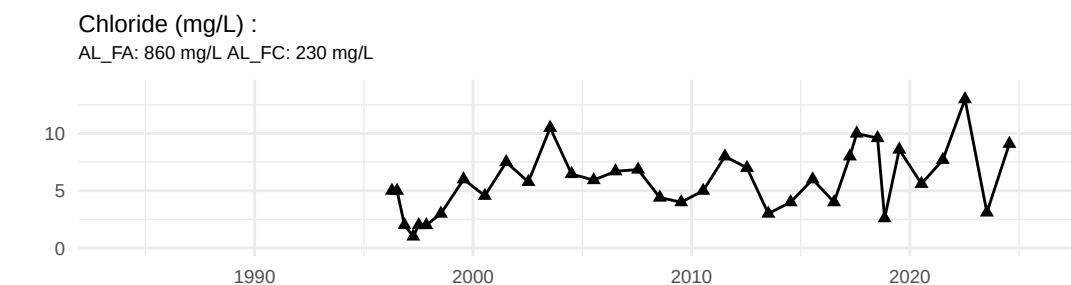
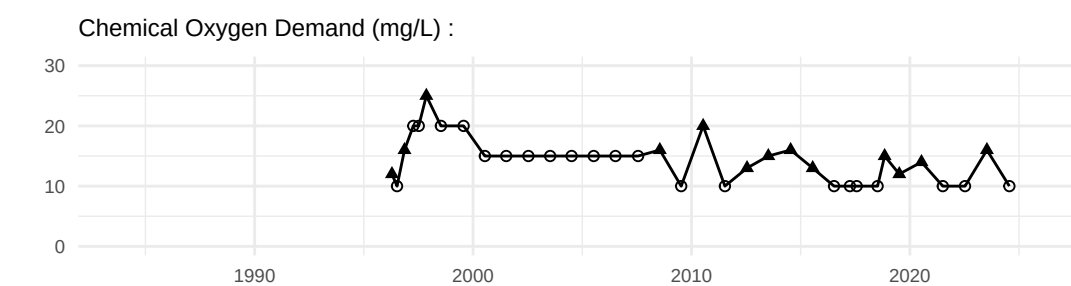
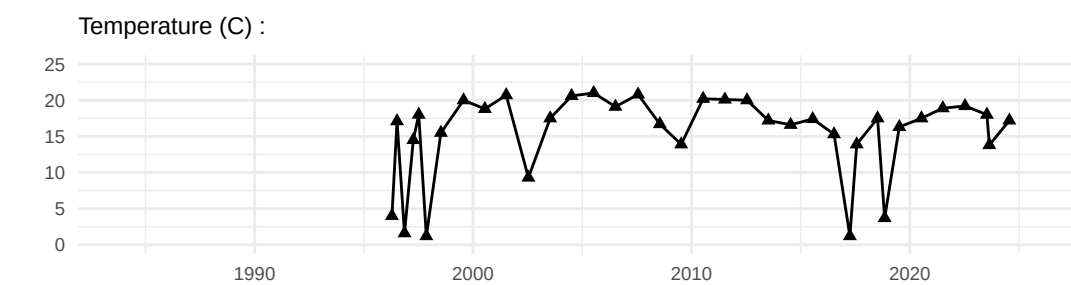
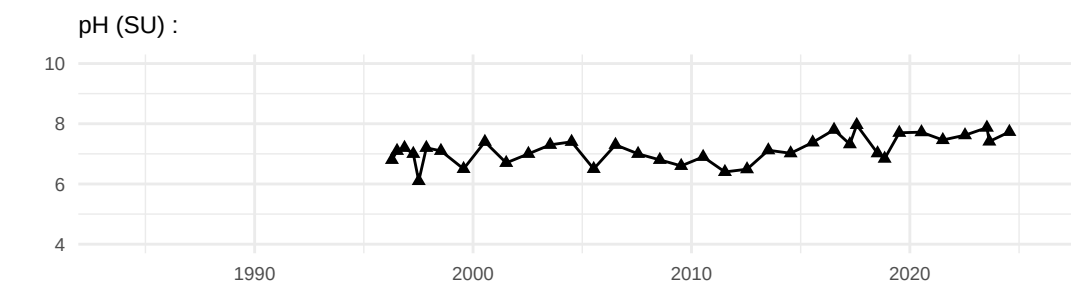
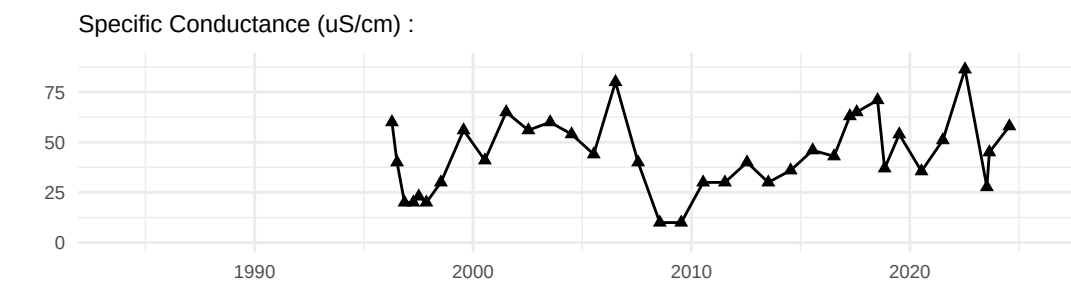
--- AL_FA

--- AL_FC

--- HH_WF

--- HH_F

* indicates one or more data points plot outside concentration range shown
Sanborn, Head & Associates, Inc.



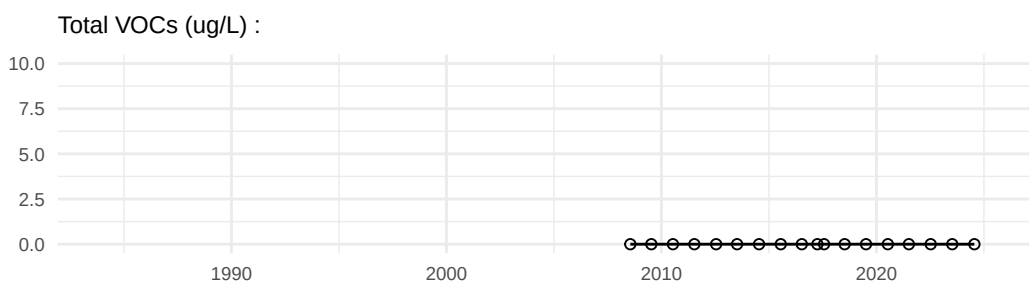
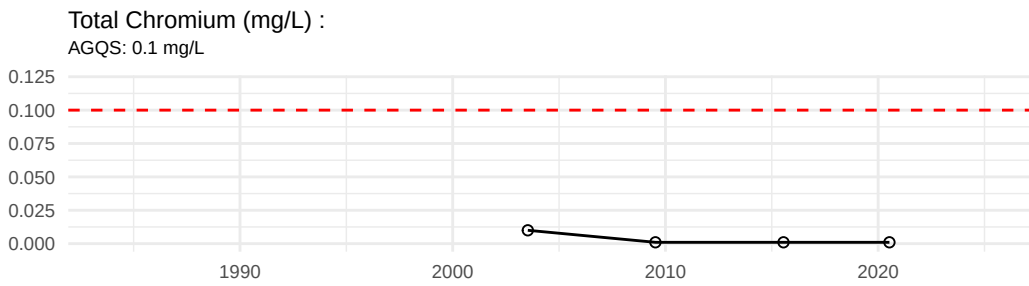
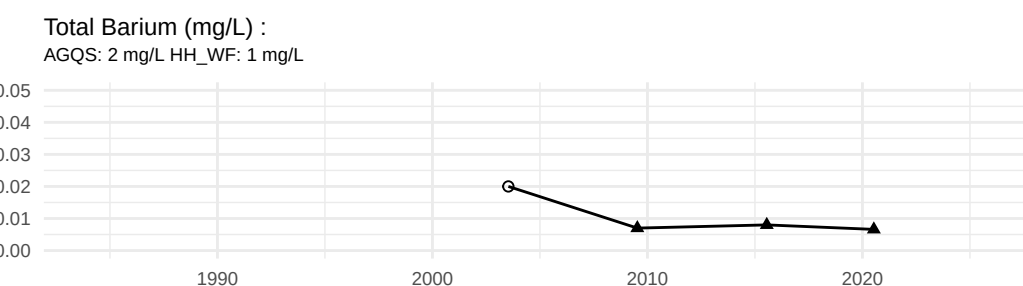
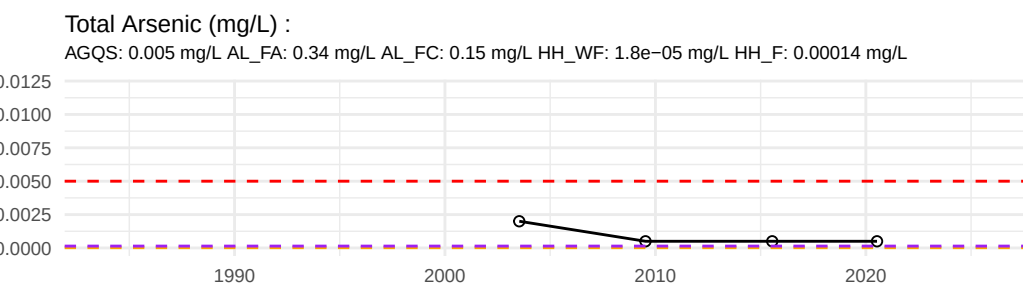
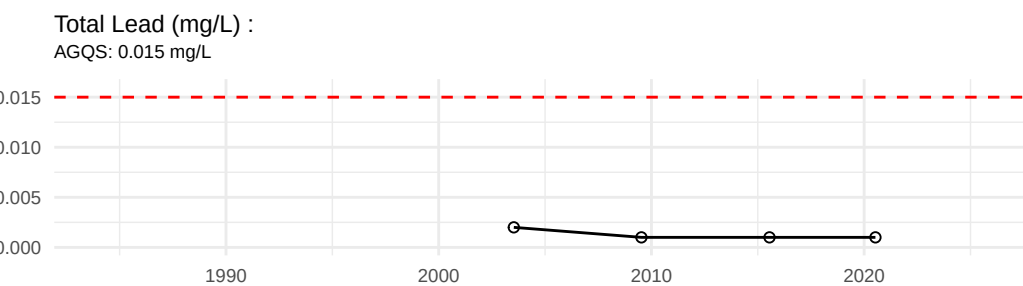
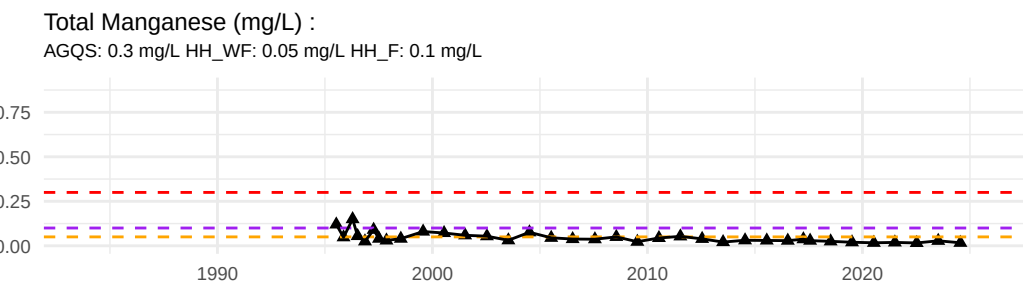
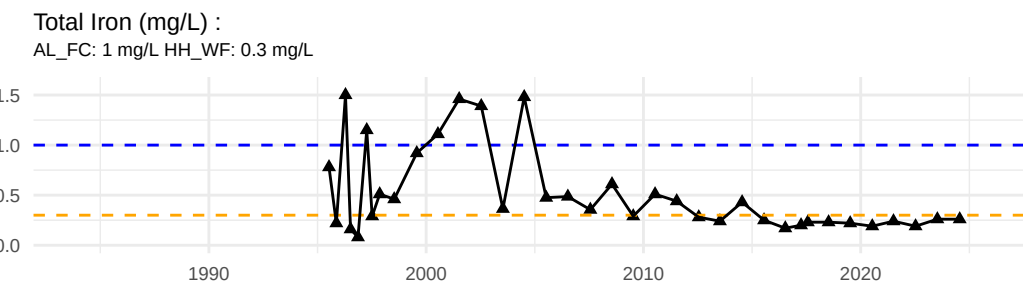
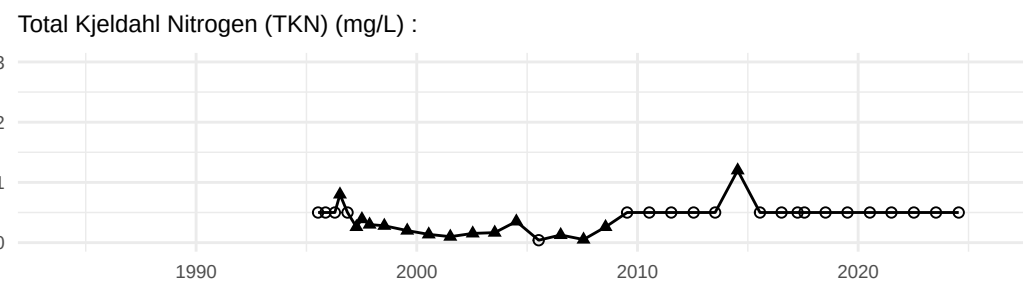
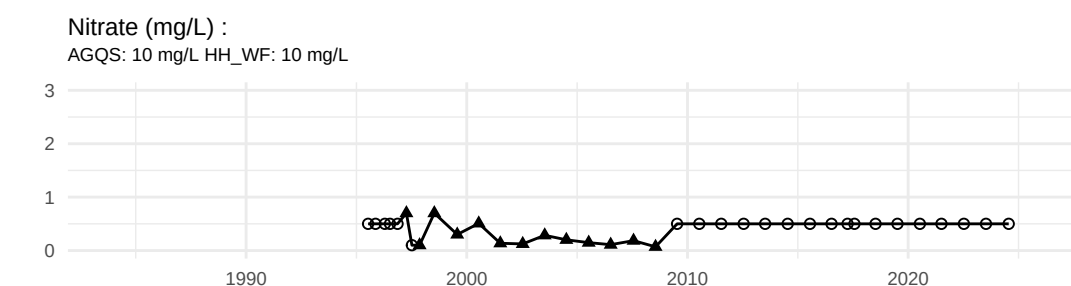
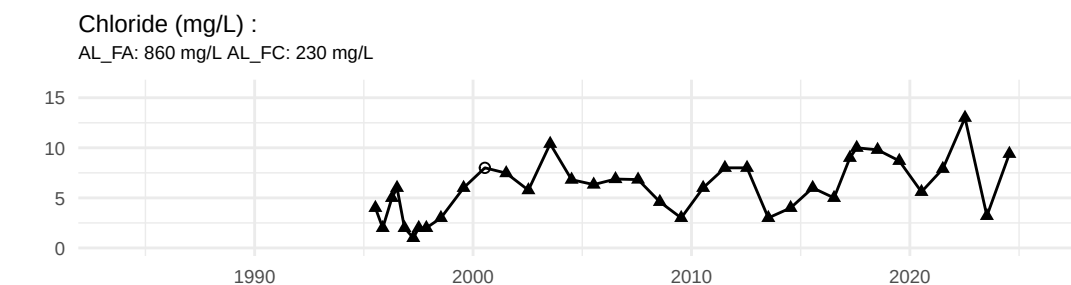
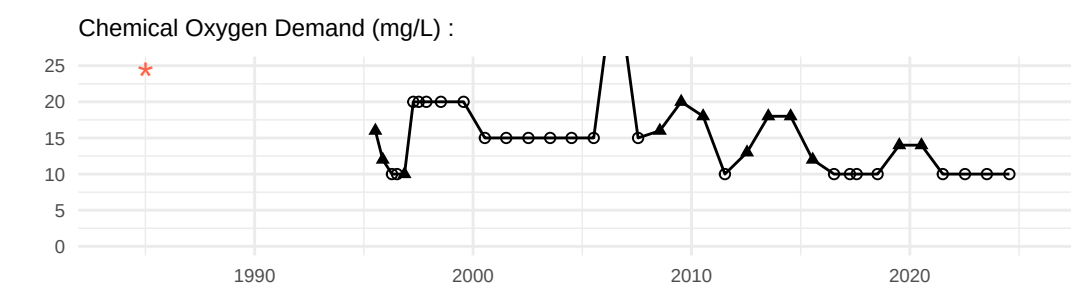
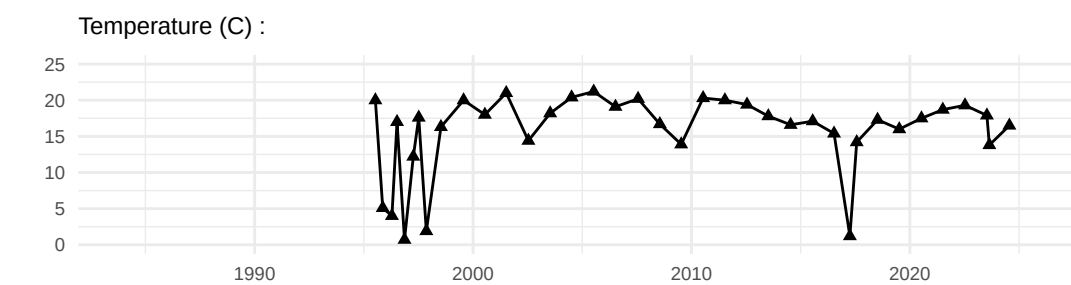
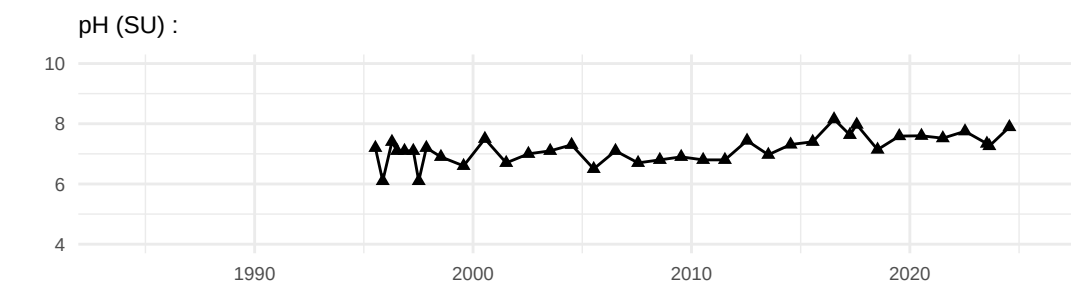
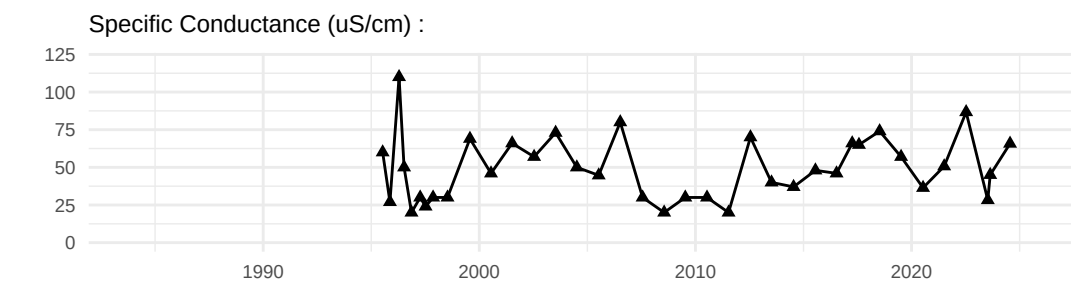
Result

- ▲ Detect
- Non-Detect

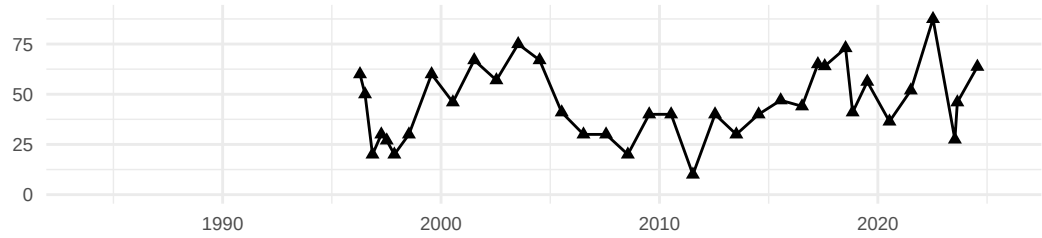
Standard

- - AGQS
- - AL_FA
- - AL_FC
- - HH_WF
- - HH_F

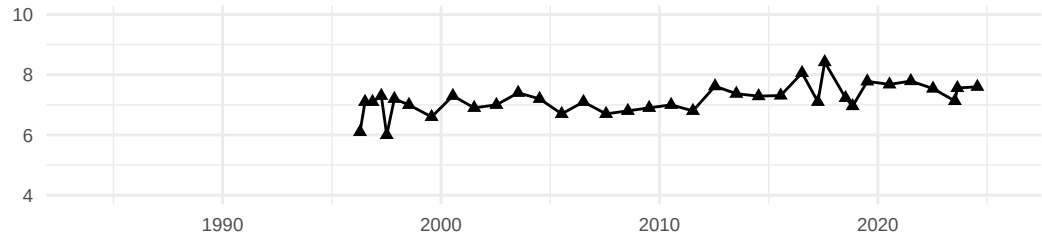




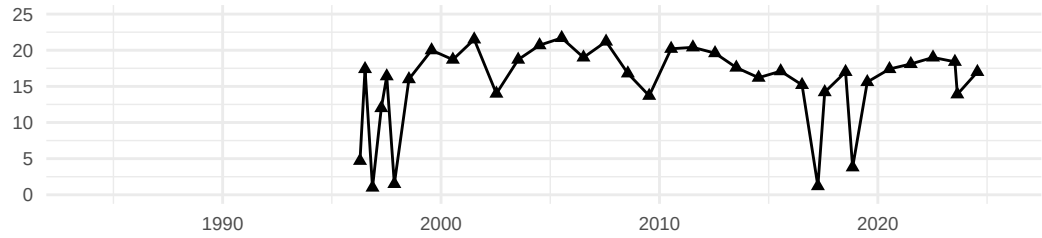
Specific Conductance (uS/cm) :



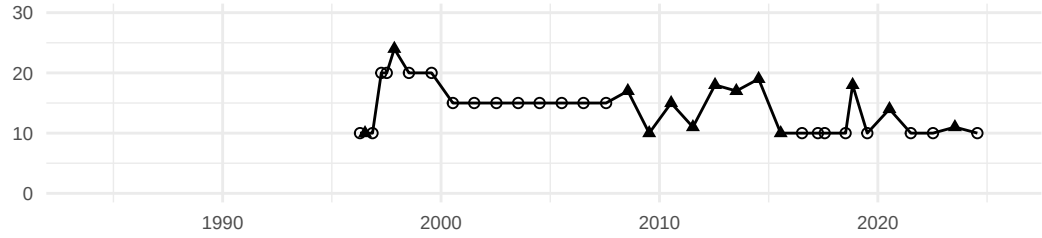
pH (SU) :



Temperature (C) :

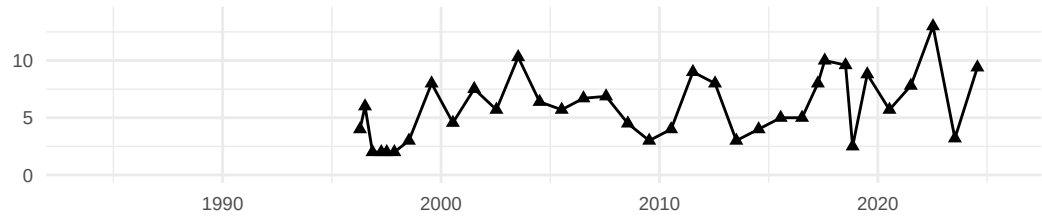


Chemical Oxygen Demand (mg/L) :



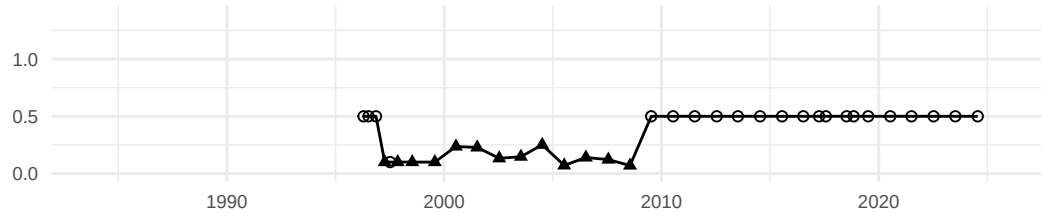
Chloride (mg/L) :

AL_FA: 860 mg/L AL_FC: 230 mg/L

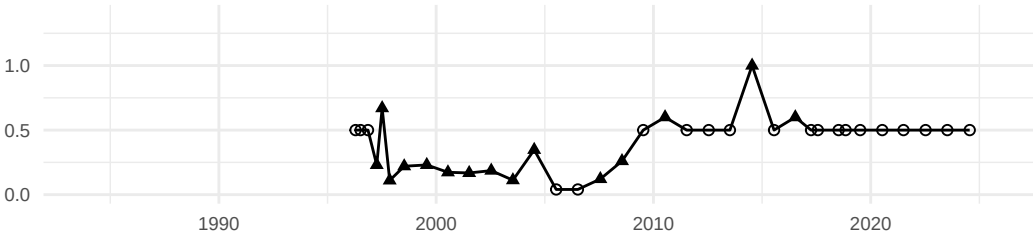


Nitrate (mg/L) :

AGQS: 10 mg/L HH_WF: 10 mg/L

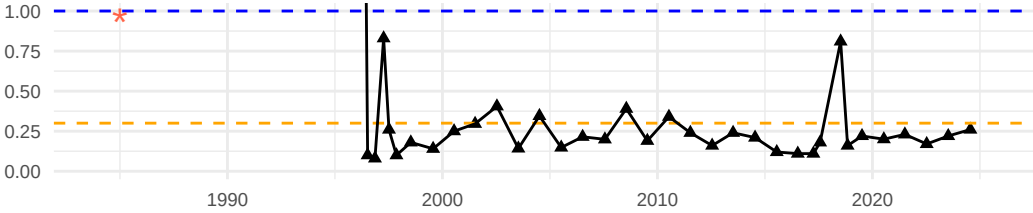


Total Kjeldahl Nitrogen (TKN) (mg/L) :



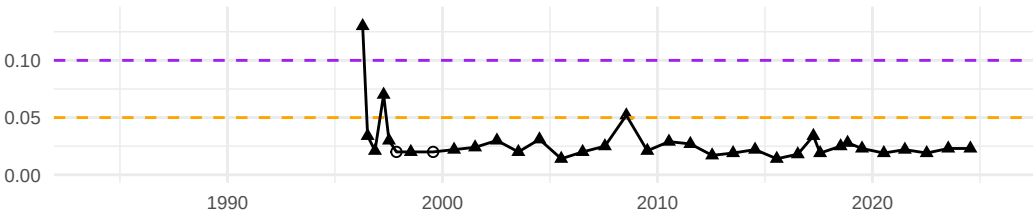
Total Iron (mg/L) :

AL_FC: 1 mg/L HH_WF: 0.3 mg/L



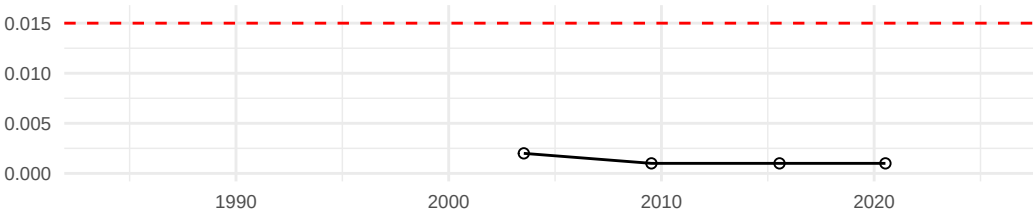
Total Manganese (mg/L) :

AGQS: 0.3 mg/L HH_WF: 0.05 mg/L HH_F: 0.1 mg/L



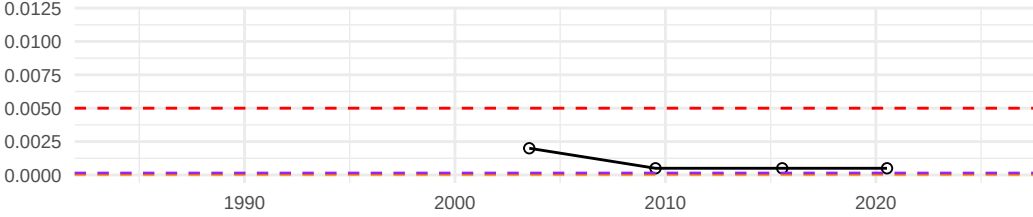
Total Lead (mg/L) :

AGQS: 0.015 mg/L



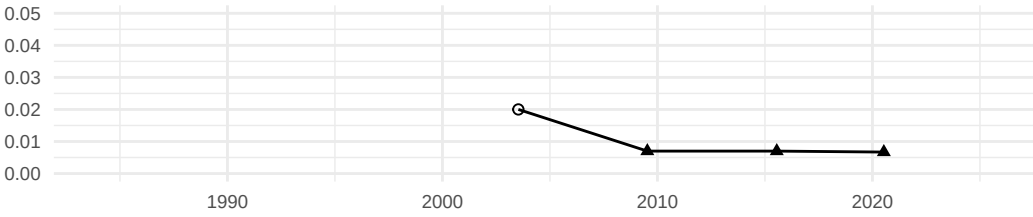
Total Arsenic (mg/L) :

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



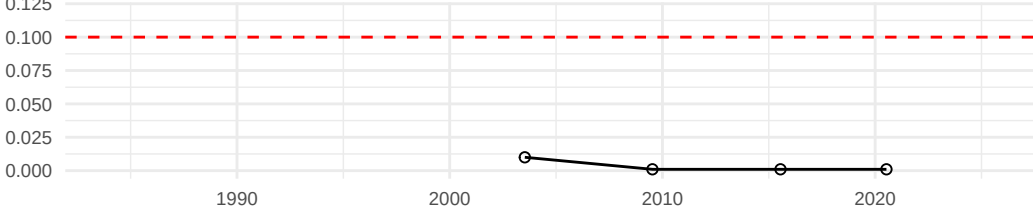
Total Barium (mg/L) :

AGQS: 2 mg/L HH_WF: 1 mg/L

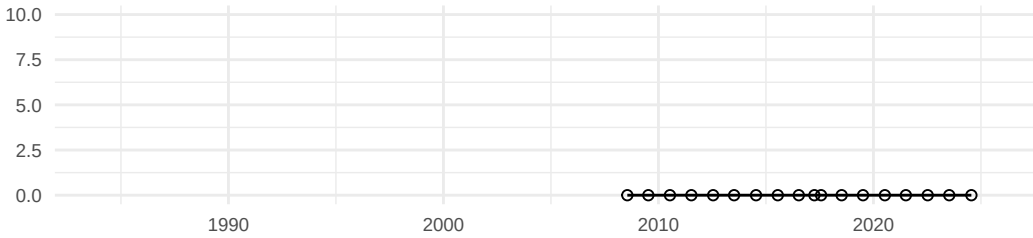


Total Chromium (mg/L) :

AGQS: 0.1 mg/L

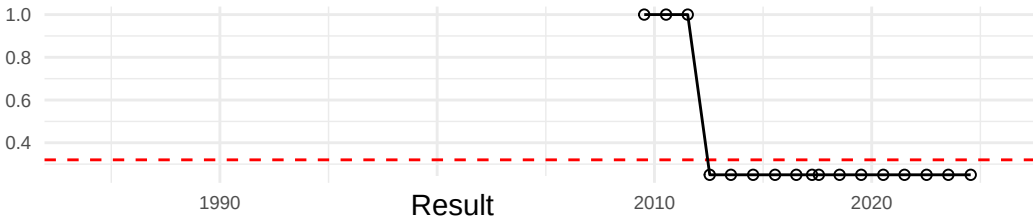


Total VOCs (ug/L) :

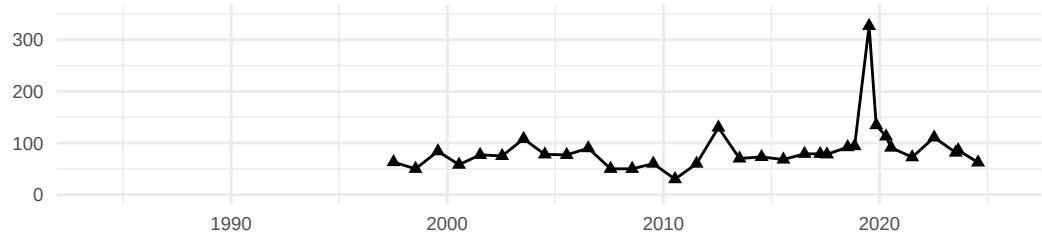


Dioxane (1,4-) (ug/L) :

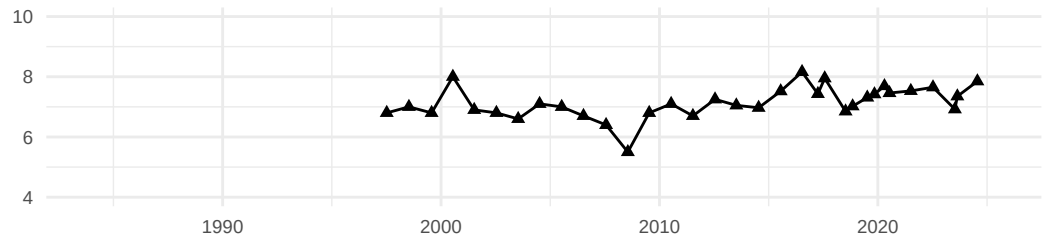
AGQS: 0.32 ug/L



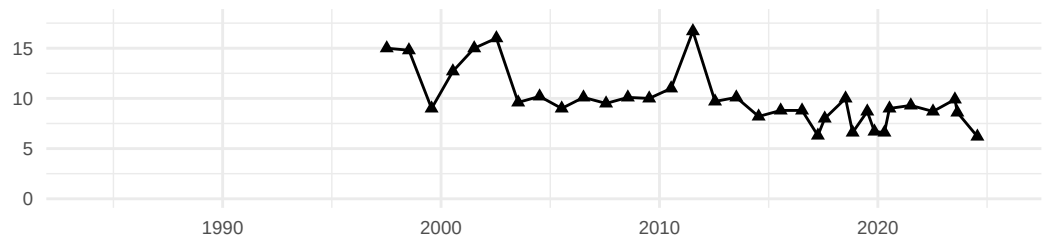
Specific Conductance (uS/cm) :



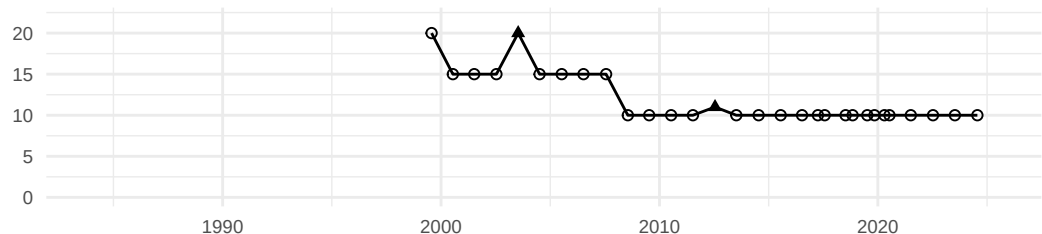
pH (SU) :



Temperature (C) :

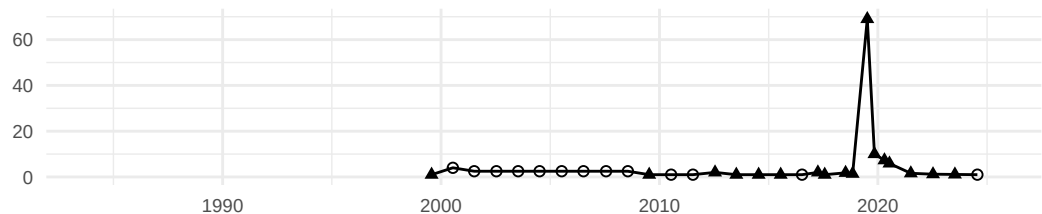


Chemical Oxygen Demand (mg/L) :



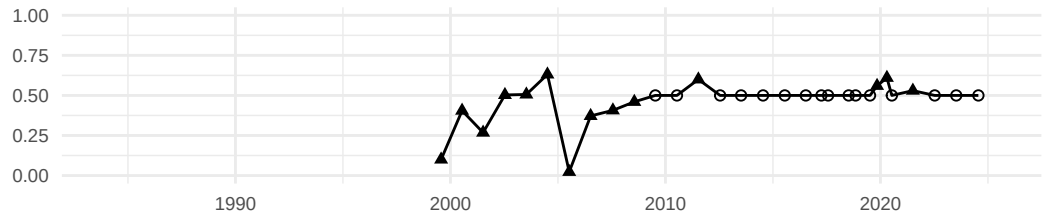
Chloride (mg/L) :

AL_FA: 860 mg/L AL_FC: 230 mg/L

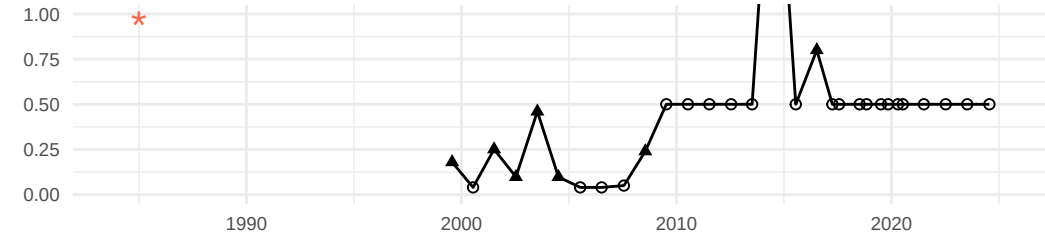


Nitrate (mg/L) :

AGQS: 10 mg/L HH_WF: 10 mg/L

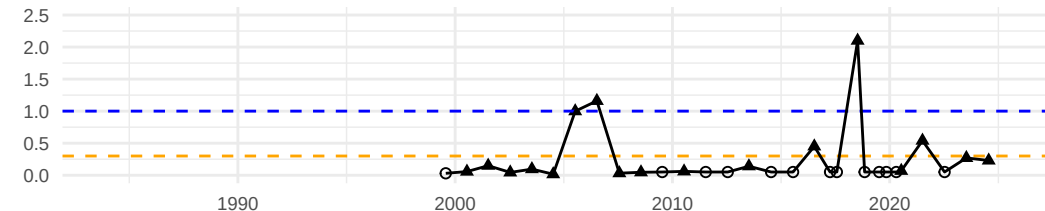


Total Kjeldahl Nitrogen (TKN) (mg/L) :



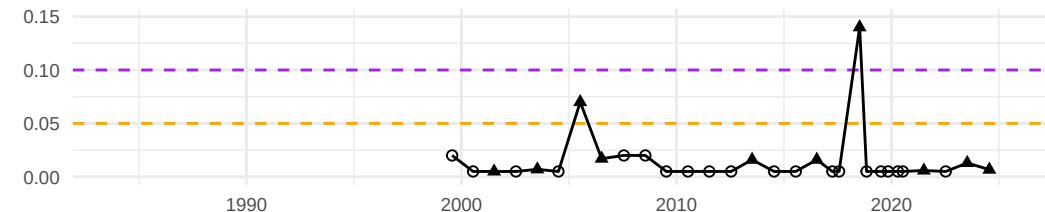
Total Iron (mg/L) :

AL_FC: 1 mg/L HH_WF: 0.3 mg/L



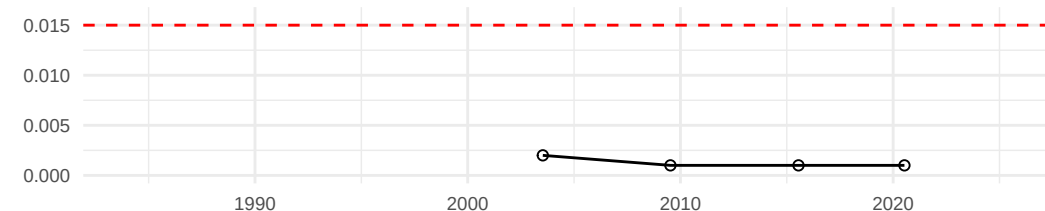
Total Manganese (mg/L) :

AGQS: 0.3 mg/L HH_WF: 0.05 mg/L HH_F: 0.1 mg/L



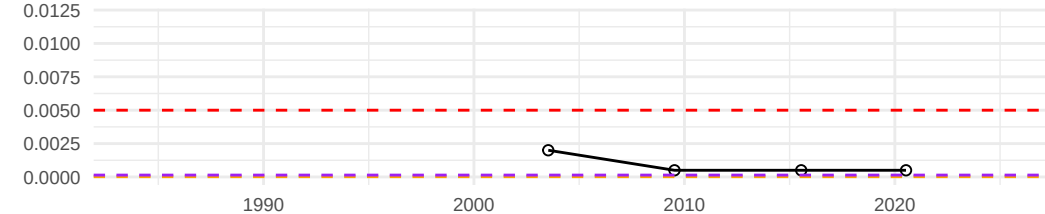
Total Lead (mg/L) :

AGQS: 0.015 mg/L



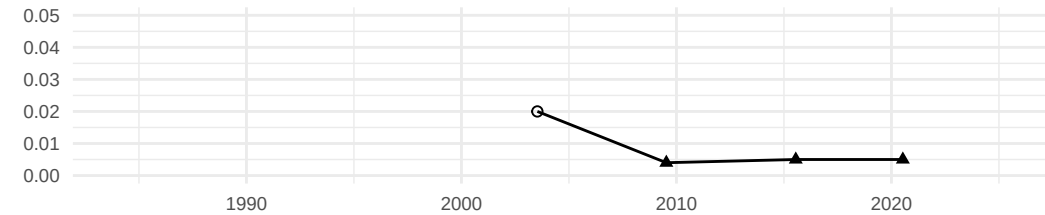
Total Arsenic (mg/L) :

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



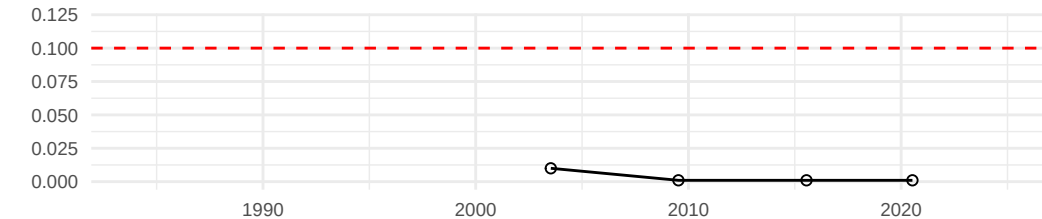
Total Barium (mg/L) :

AGQS: 2 mg/L HH_WF: 1 mg/L

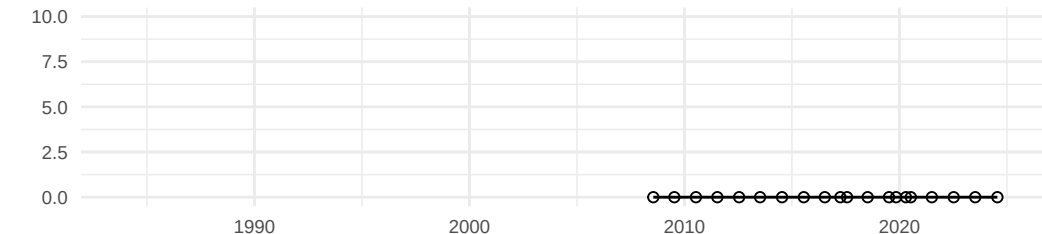


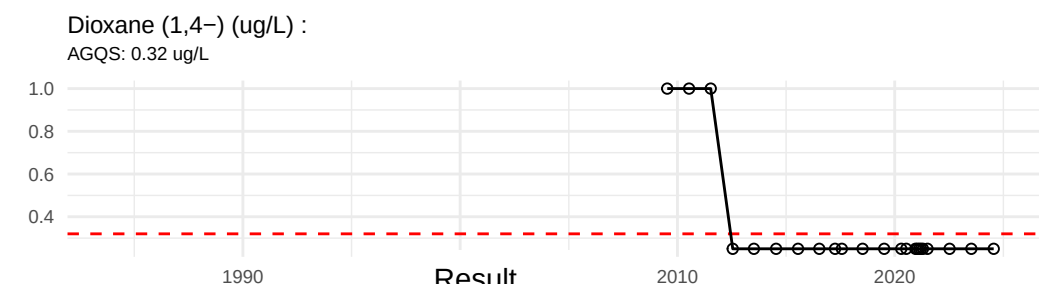
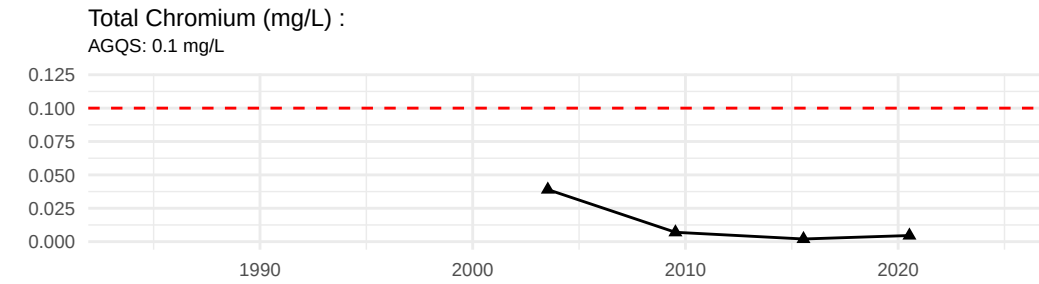
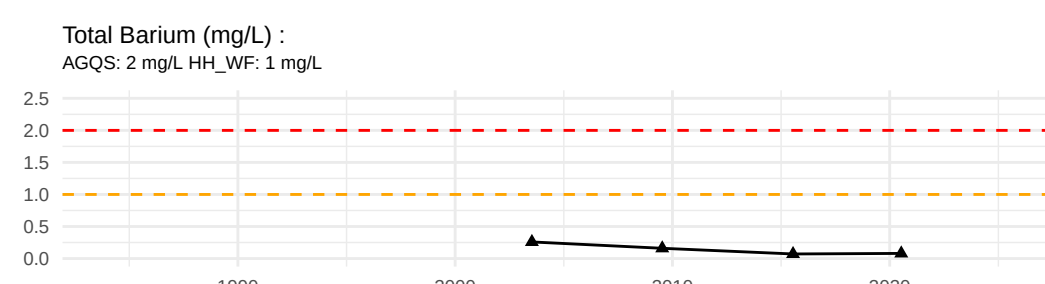
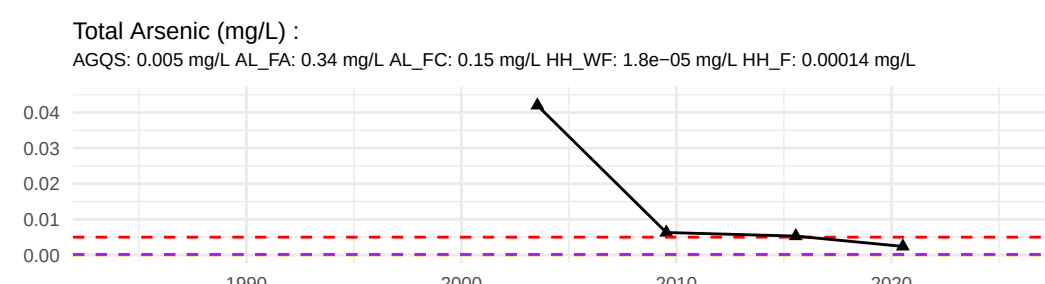
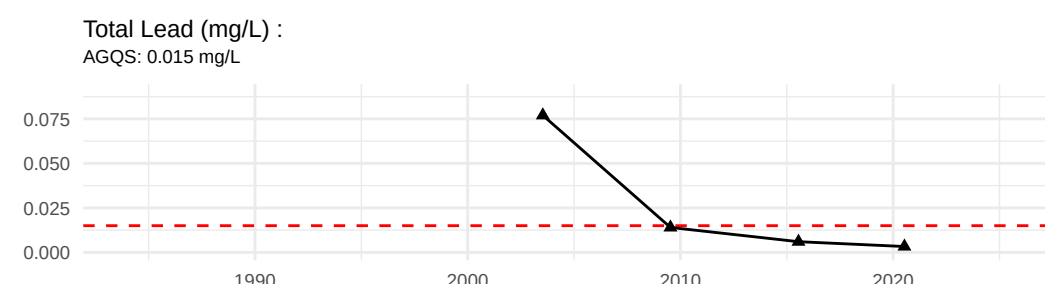
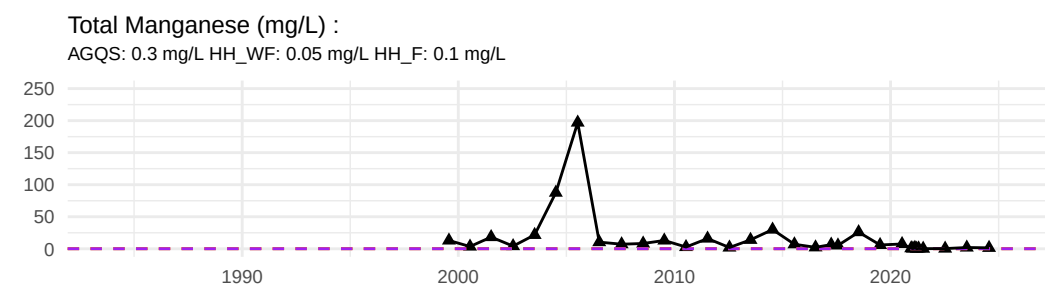
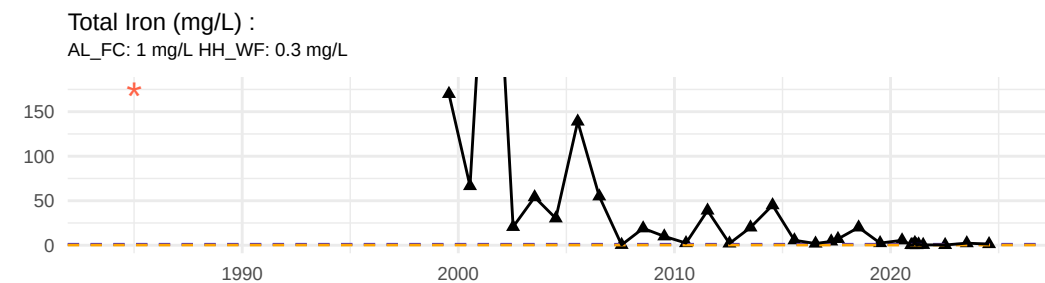
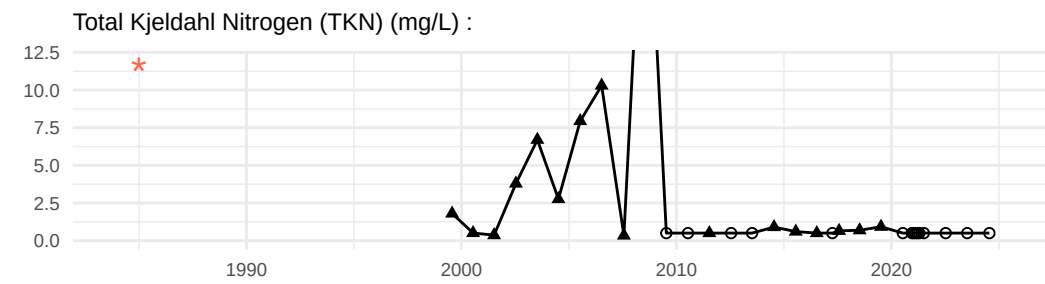
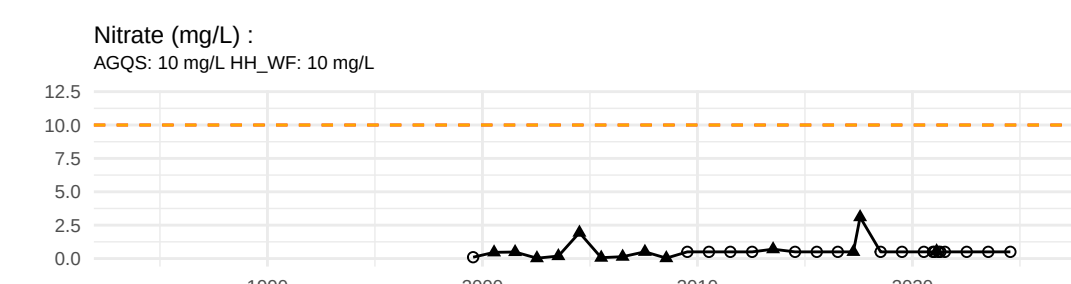
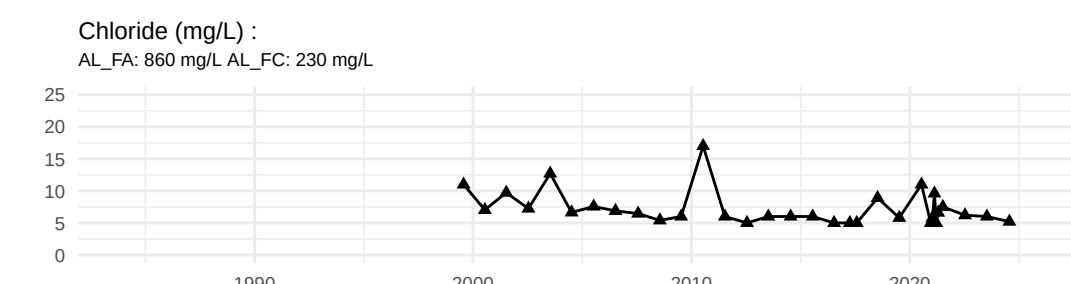
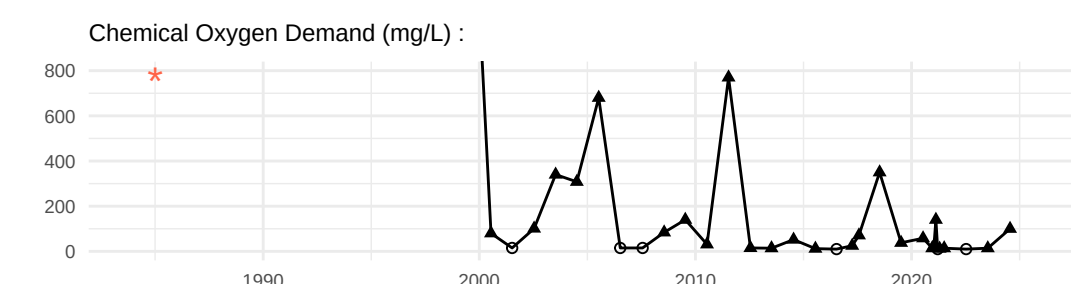
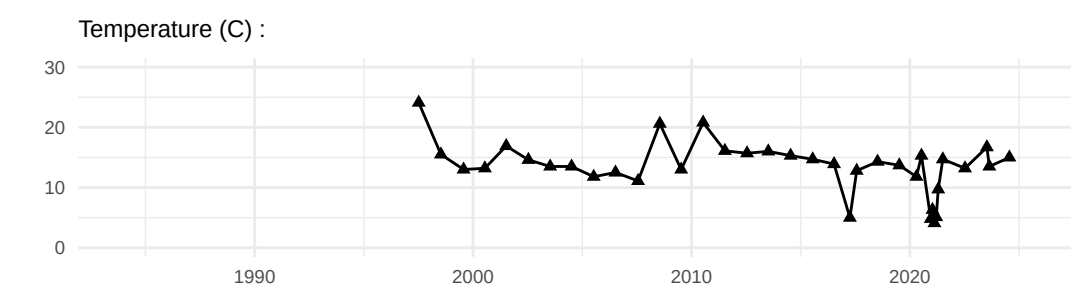
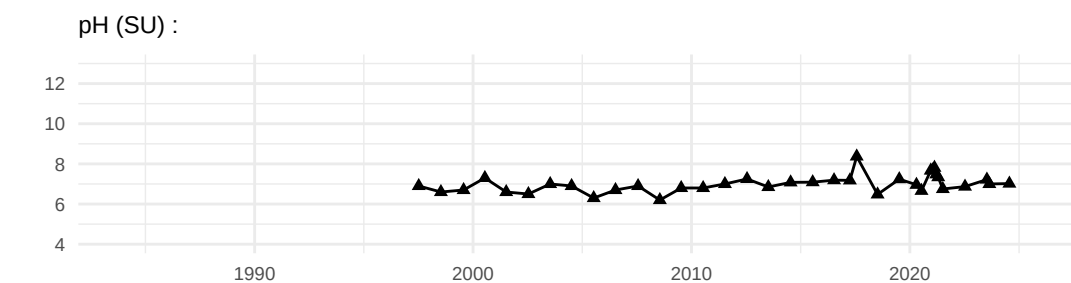
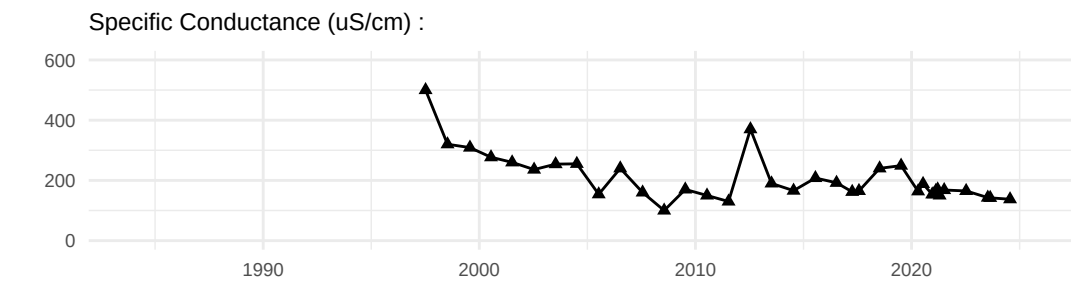
Total Chromium (mg/L) :

AGQS: 0.1 mg/L



Total VOCs (ug/L) :





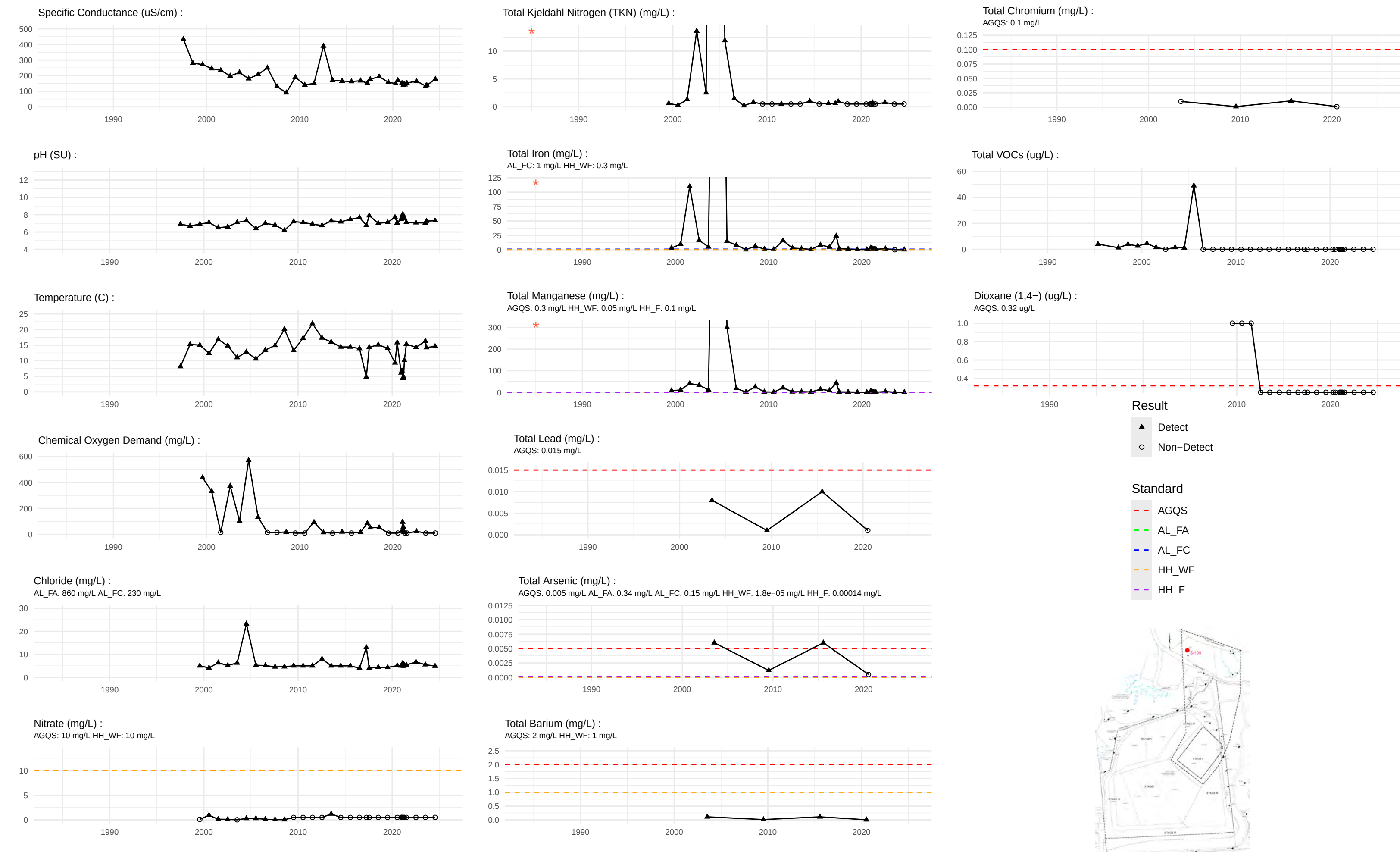
Result

- ▲ Detect
- Non-Detect

Standard

- - AGQS
- - AL_FA
- - AL_FC
- - HH_WF
- - HH_F





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.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 (PFTTrA) [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-103S	11/4/2024	N	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.82	<18.2	<1.73	<1.73	ND	ND	
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-103D	11/4/2024	N	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	<2.78	<27.8	<1.82	<1.82	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	<1.94	<1.94	<3.87	<1.94	<1.94	<1.94	37.5	354.23	
B-304UR	11/4/2024	N	61.8	33.6	38.8	64.8	43	<1.79	<1.79	<1.79	<1.79	<1.79	<1.79	21.1	4.38	48.1	<1.79	<1.79	<1.79	<1.79	<1.79	5.20 B	<1.79	<1.79	<1.79	<1.79	<1.79	91.1	320.78	
B-304UR	4/14/2025	N	29	20.7	27.7	26	25.1	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	20.9	4.1	19.6	<1.73	<1.73	<1.73	<1.73	<1.73	3.6	<1.73	<1.73	<17.3	<1.73	<1.73	44.7	176.7	
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																										

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 (PFTTrA) [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]	Perfluoronanesulfonic Acid (PFNS) [9S]	Perfluorodecane sulfonic Acid (PFDS) [10S]	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1H,1H,2H,2H-Perfluorodecane sulfonic 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-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	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	
B-304DR	11/4/2024	N	7.23	11.3	13.7	8.5	71.2	3.78	<2	<2	<2	<2	<2	4.44	<2	7.65	<2	<2	<2	<2	<2	4.24 BJ+	<2	<2.05	<20.5	<2	<2	82.63	132.04	
B-304DR	4/14/2025	N	5.26	7.51	9.34	5.03	44.7	4.04	<2.02	<2.02	<2.02	<2.02	<2.02	2.59	<2.02	2.6	<2.02	<2.02	<2.02	<2.02	<2.02	2.54	<2.02	<20.2	<2.02	<2.02	51.34	83.61		
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	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-604	11/4/2024	N	2.71	4.12	4.43	3.89	17.7	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	5.73	<1.86	<1.86	<1.86	1.99	<1.86	<1.86	<1.86	<1.86	<1.86	<1.83	<18.3	<1.86	<1.86	19.69	40.57	
MW-604	4/14/2025	N	4.13	3.18	3.72	3.69	16.3	<3.03	<3.03	<3.03	<3.03	<3.03	<3.03	3.68	<3.03	<3.03	<3.03	5.74 J+	<3.03	<3.03	<3.03	<3.03	<1.92	<3.03	<30.3	<3.03	<3.03	22.04	40.44	
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	2																							

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 (PFTeA) [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]	Perfluoronanesulfonic 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-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-701	11/4/2024	N	5.38	9.27	10.3	2.66	5.35	<1.74	<1.74	<1.74	<1.74	<1.74	<1.74	2.98	<1.74	<1.74	<1.74	5.89	<1.74	<1.74	<1.74	<1.74	<1.74	<1.8	<18	<1.74	<1.74	11.24	41.83	
MW-701	1/16/2025	N	6.33	11.8	12.9	3.94	11	<1.78	<1.78	<1.78	<1.78	<1.78	<1.78	3.8	<1.78	<1.78	<1.78	5.06	<1.78	<1.78	<1.78	<1.78	<1.78	<1.78	<17.8	<1.78	<1.78	16.06	54.83	
MW-701	4/15/2025	N	8.54	15.6	17.8	4.98	11.9	1.83	<1.72	<1.72	<1.72	<1.72	<1.72	2.98	<1.72	<1.72	<1.72	6.38 J+	<1.72	<1.72	<1.72	<1.72	<1.72	<1.72	<17.2	<1.72	<1.72	20.11	70.01	
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	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	<20	<4	<4	6.47	52.31		
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	<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	<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	<4.04	<2.02	<2.02	28.02	91.35		
MW-802L	12/10/2024	N	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<1.86	<18.6	<1.86	<1.86	ND	ND		
MW-802L	4/14/2025	N	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.73	<1.8	<1.8	<18	<1.8	<1.8	ND	ND	
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	<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	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	<3.97	<1.98	<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	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	<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	<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	<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	<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		

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 (PFTTrA) [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]	Perfluorodecane sulfonic Acid (PFDS) [10S]	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1H,1H,2H,2H-Perfluorodecane sulfonic 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-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	
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	<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	<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	<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	<21.7	<4.34	<4.34	9.24	21.28		
B-918M	7/15/2020	N	<4.47	6.09	7.18	<4																								

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 (PFTTrA) [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]	Perfluorodecane sulfonic Acid (PFDS) [10S]	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1H,1H,2H,2H-Perfluorodecane sulfonic 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-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	<3.93	<1.97	<1.97	2.21	2.21		
B-918M	11/4/2024	N	<1.94	<1.94	<1.94	2.12	<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	<1.79	<17.9	<1.94	<1.94	ND	2.12		
B-918M	1/16/2025	N	<1.77	<1.77	<1.77	<1.77	1.92	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<17.7	<1.77	<1.77	1.92	1.92		
B-918M	4/15/2025	N	2.67	2.81	4.08	2.93	3.63	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.75	<1.73	<1.73	<1.73	<17.3	<1.73	<1.73	3.63	16.12	
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	<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	<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	
B-919U	4/23/2018	N	7.48	8.46	6.52	4.27	23.4																							

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-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	<4.29	<21.5	<4.29	<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	<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	<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	<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	<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	<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	<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	<2.28	<4.55	<2.28	<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	<1.97	<3.94	<1.97	<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	<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	<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	<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	<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	<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	<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	<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	<2.22	<4.44	<2.22	<2.22	<2.22	ND	ND
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	<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	&lt										

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]	Perfluorodecane sulfonic Acid (PFDS) [10S]	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1H,1H,2H,2H-Perfluorodecane sulfonic 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-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	<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	<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	11.2	<20 J-	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<4.03	<2.01	<2.01	11.9	46.19		
B-928U	11/4/2024	N	10.2	9.2	11.9	8.29	17.7	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	9.32	<1.82	2.11	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	<1.67	<16.7	<1.82	<1.82	19.81	68.72		
B-928U	4/14/2025	N	8.48	7.86	10.3	7.49	15.5	<1.79	<1.79	<1.79	<1.79	<1.79	<1.79	6.62	<1.79	1.8	<1.79	<1.79	<1.79	<1.79	<1.79	<1.79	<1.79	<17.9	<1.79	<1.79	17.3	58.05		
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	<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	<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	<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	<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	<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	<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	<48														

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 Sulfonfyl 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) [45]	Perfluoropentanesulfonic Acid (PFPeS) [55]	Perfluorohexanesulfonic Acid (PFHxS) [65]	Perfluoroheptanesulfonic Acid (PFHpS) [75]	Perfluorooctanesulfonic Acid (PFOS) [85]	Perfluorononanesulfonic Acid (PFNS) [95]	Perfluorodecanesulfonic Acid (PFDS) [105]	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-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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<3.98	<1.99	<1.99	7.6	12.85		
B-932U	11/4/2024	N	2.35	<1.81	2.54	2.48	4.95	<1.81	<1.81	<1.81	<1.81	<1.81	<1.81	4	<1.81	<1.81	<1.81	1.94 JH	<1.81	<1.81	<1.81	<1.81	<1.81	<1.74		<1.81	<1.81	6.89	18.26	
B-932U	4/14/2025	N	3.46	2.85	4.88	3.62	6.16	<1.75	<1.75	<1.75	<1.75	<1.75	<1.75	2.75	<1.75	<1.75	<1.75	<1.75	<1.75	<1.75	<1.75	<1.75	<1.75	<17.5	<1.75	<1.75	8.1	25.66		
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	<3.91	<1.95	<1.95	2.48	6.92		
B-932L	11/4/2024	N	<1.74	2.34	2.69	<1.74	2.54	<1.74	<1.74	<1.74	<1.74	<1.74	<1.74	<1.74	<1.74	<1.74	<1.74	<1.74	<1.74	<1.74	<1.74	<1.74	<1.89		<1.74	<1.74	2.54	7.57		
B-932L	4/14/2025	N	<3.64	<3.64	<3.64	<3.64	<3.64	<3.64	<3.64	<3.64	<3.64	<3.64	<3.64	<3.64	<3.64	<3.64	<3.64	<3.64	<3.64	<3.64	<3.64	<3.64	<3.64	<36.4	<3.64	<3.64	ND	ND		
B-933U	12/10/2024	N	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10	<10	ND	ND		
B-933U	4/14/2025	N	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<1.75	<2.4	<2.4	<2.4	<2.4	ND	ND		
B-933L	12/10/2024	N	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10	<10	ND	ND			
B-933L	4/14/2025	N	<2.87	<2.87	<2.87	<2.87	<2.87	<2.87	<2.87	<2.87	<2.87	<2.87	<2.87	<2.87	<2.87	<2.87	<2.87	<2.87	<2.87	<2.87	<2.87	<1.79	<2.87	<2.87	<2.87	<2.87	ND	ND		
B-934U	12/10/2024	N	41.2	68.1	90.7	22.8	19.8	<1.71	<1.71	<1.71	<1.71	<1.71	<1.71	46.3	<1.71	2.40	<1.71	<1.71	<1.71	<1.71	<1.71	<1.71	<1.71	<17.1	<1.71	<1.71	22.20	291.30		
B-934U	4/14/2025	N	31.8	49.6	61.5	30.5	9.13	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	29.1	<1.87	2.62	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<18.7	<1.87	<1.87	11.75	214.25		
B-934L	12/10/2024	N	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<17.7	<1.77	<1.77	ND	ND			
B-934L	4/14/2025	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	<19.3	<1.93	<1.93	ND	ND			
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		

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 Sulfonfyl 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 (PFTTA) [12]	Perfluorotetradecanoic Acid (PFTeA) [13]	Perfluorobutanesulfonic Acid (PFBS) [45]	Perfluoropentanesulfonic Acid (PFPeS) [55]	Perfluorohexanesulfonic Acid (PFHxS) [65]	Perfluoroheptanesulfonic Acid (PFHpS) [75]	Perfluorooctanesulfonic Acid (PFOS) [85]	Perfluoronanesulfonic Acid (PFNS) [95]	Perfluorodecanesulfonic Acid (PFDS) [105]	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 (EFOSAA)	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	11/7/2017	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	
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	<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	<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	<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	<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	<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	<1.89	<3.78	<1.89	<1.89	ND	ND	
QC_FB	11/4/2024	FB	<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	3.31	<1.9	<1.9	<1.9	<1.9	ND	3.31		
QC_FB	12/10/2024	FB	<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	<19.4	<1.94	<1.94	ND	ND	
QC_FB	1/16/2025	FB	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<17.7	<1.77	<1.77	ND	ND	
QC_FB	4/15/2025	FB	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	4.01 BJ+	<2.05	<2.05	<20.5	<2.05	<2.05	ND	4.01	
QC_TB	6/1/2017	TB	<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																									

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 (PFTTrA) [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_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

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. Enthalpy was subcontracted through Eurofins Environment Testing – Eastern Analytical (EA; formerly Eastern Analytical, Inc.) of Concord, New Hampshire.

PFAS Samples from April 2019 were analyzed by Eurofins Lancaster Laboratories (Lancaster) of Lancaster, Pennsylvania. Lancaster was subcontracted through EA.

Samples from November 2023, January and April 2024 were analyzed by Enthalpy by USEPA Method 1633. Enthalpy was subcontracted through EA.

Samples from November 2024 to present were analyzed by Pace Analytical (formerly Alpha) of Mansfield, Massachusetts by USEPA Method 537 (modified) with isotope dilution. For November 2024 results, MeFOSA could not be reported in the field blank due to failure of the associated extracted internal standard in the initial run. The sample could not be re-extracted due to lack of sample volume remaining.

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.

“J-” indicates the result is estimated with potential low bias due to low labeled internal standard recoveries (<10%).

“J+” indicates the ion transition ratio is outside of acceptance criteria and the concentration should be considered estimated with a potential high bias.

“B” indicates the analyte was detected in the associated field blank at concentrations less than ten times (10x) the concentration in the field blank.



- 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.
 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).

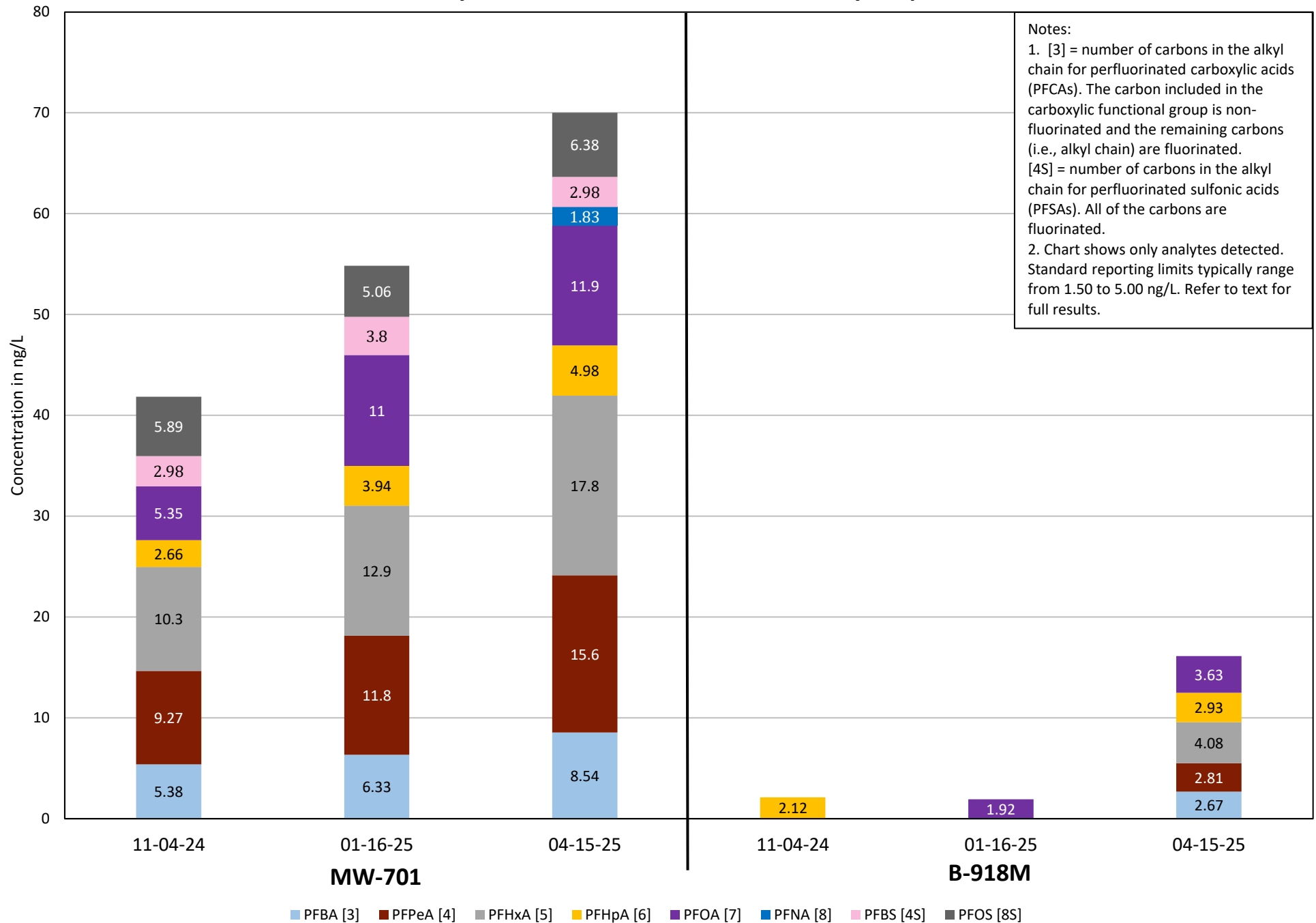
P:\2600s\2637.012\Source Files\Annual Report\Tables and Charts\Appendix D Table Notes.docx



Appendix D.2

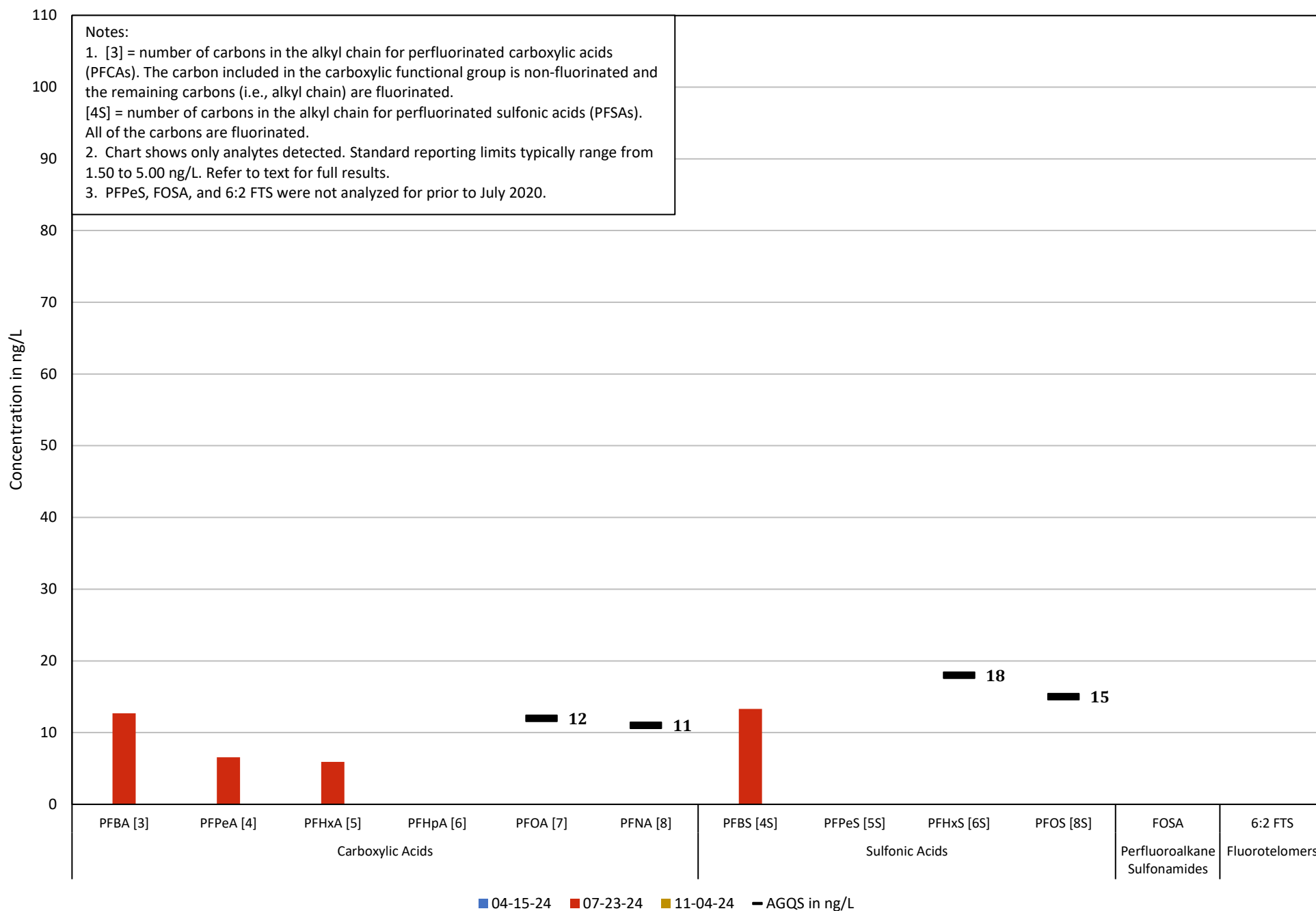
PFAS Plots

PFAS by Location - November 2024 & January & April 2025

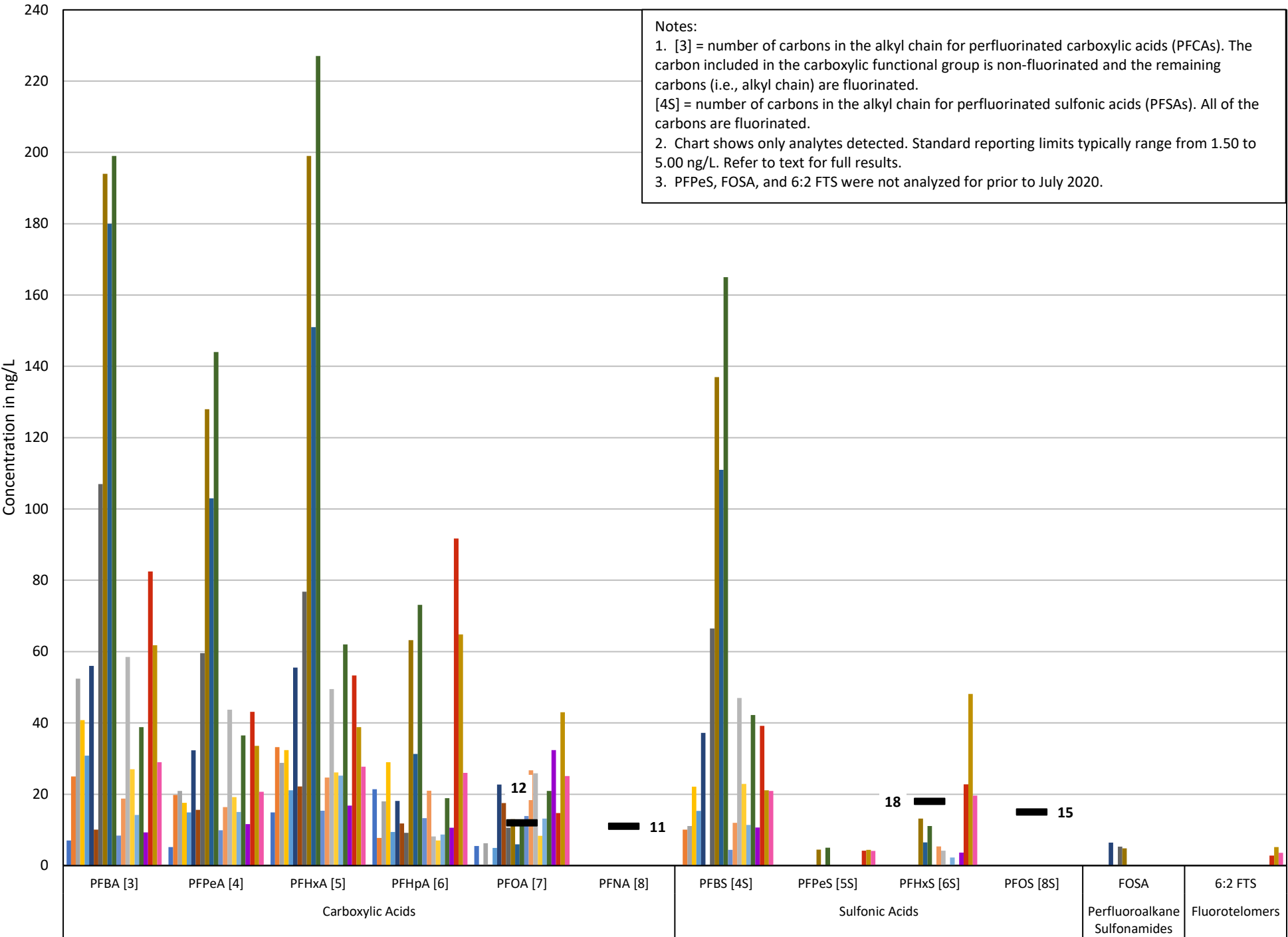


PFAS not detected in B-103D (4/24, 7/24, & 11/24).

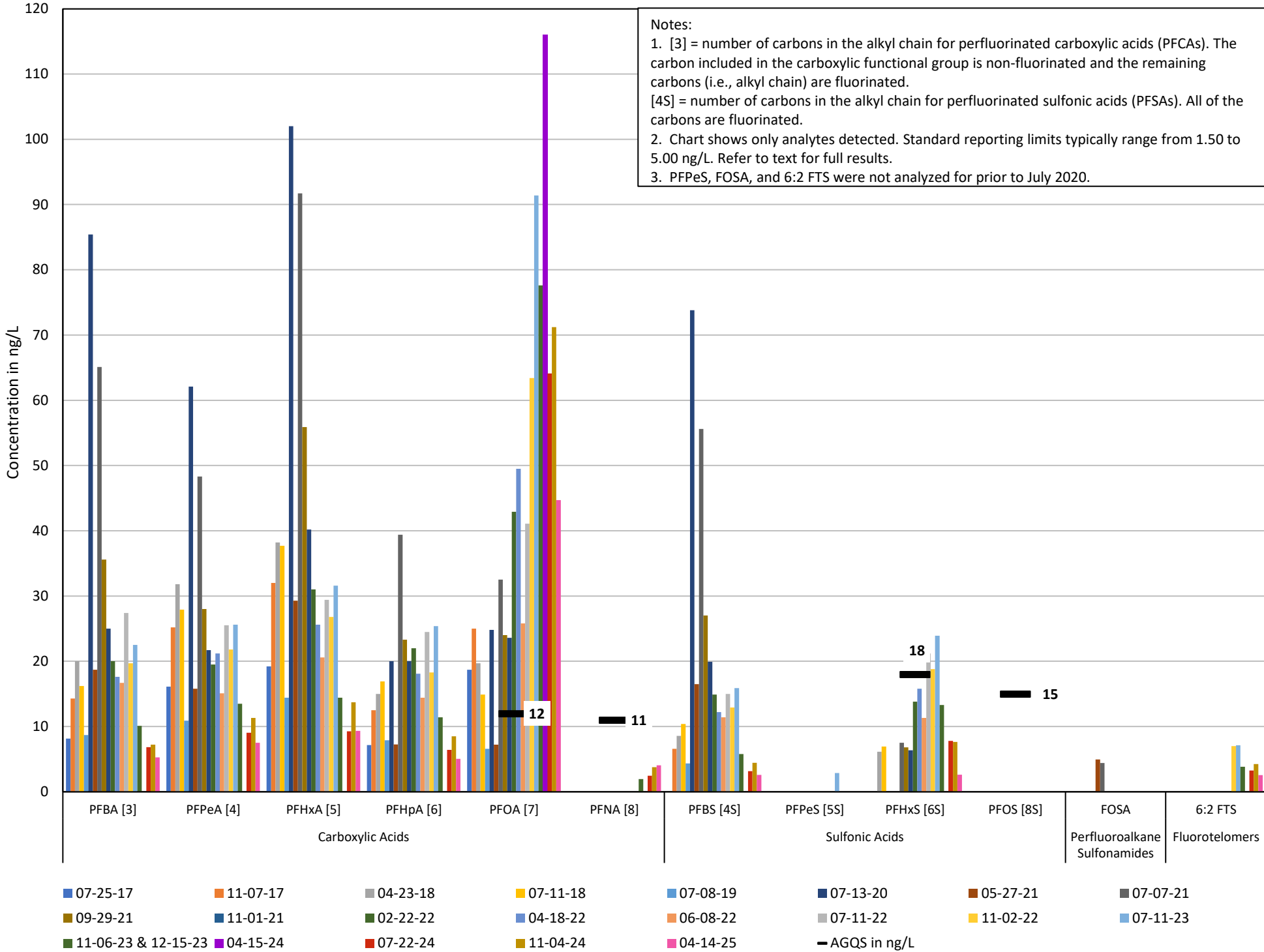
PFAS in B-103S



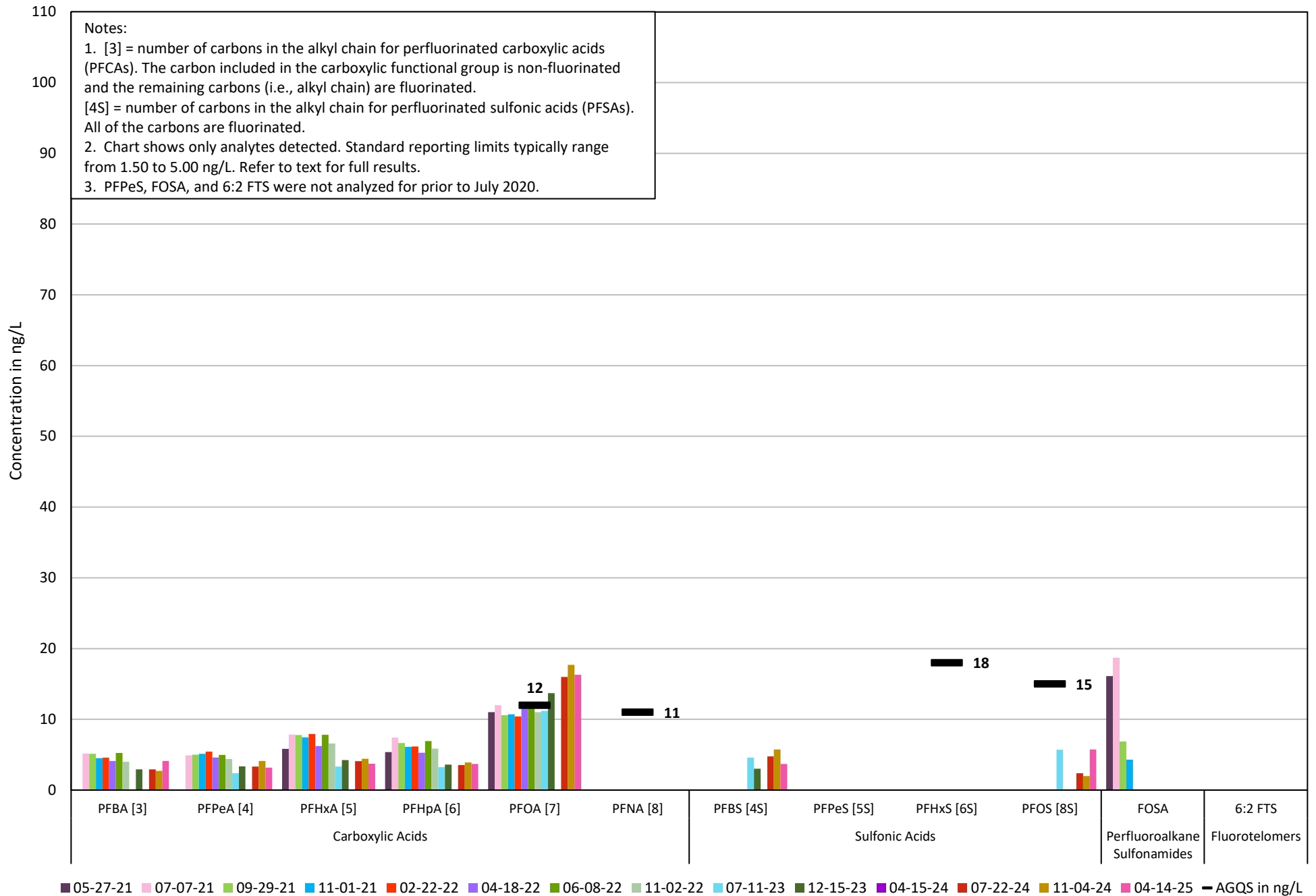
PFAS in B-304UR



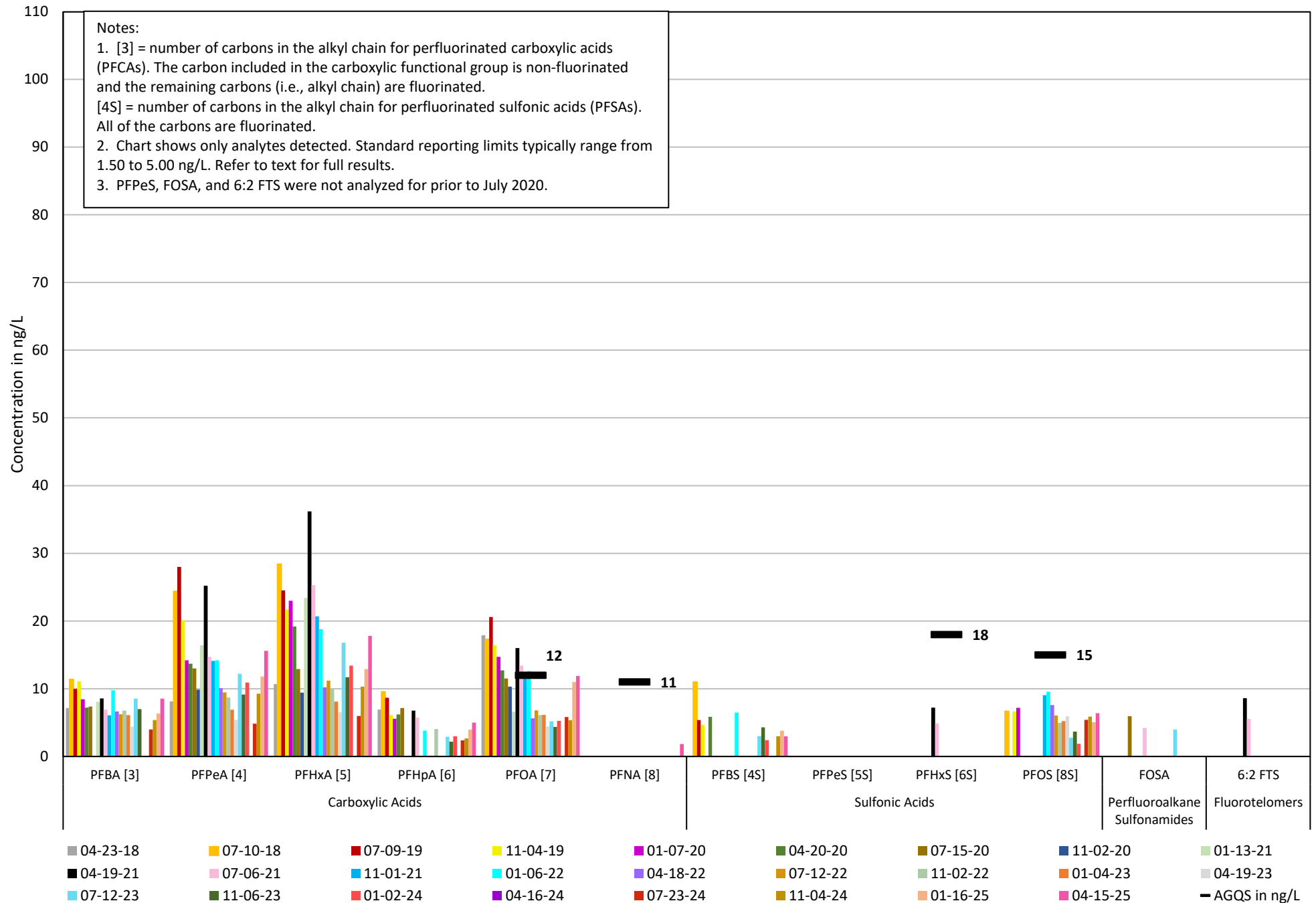
PFAS in B-304DR



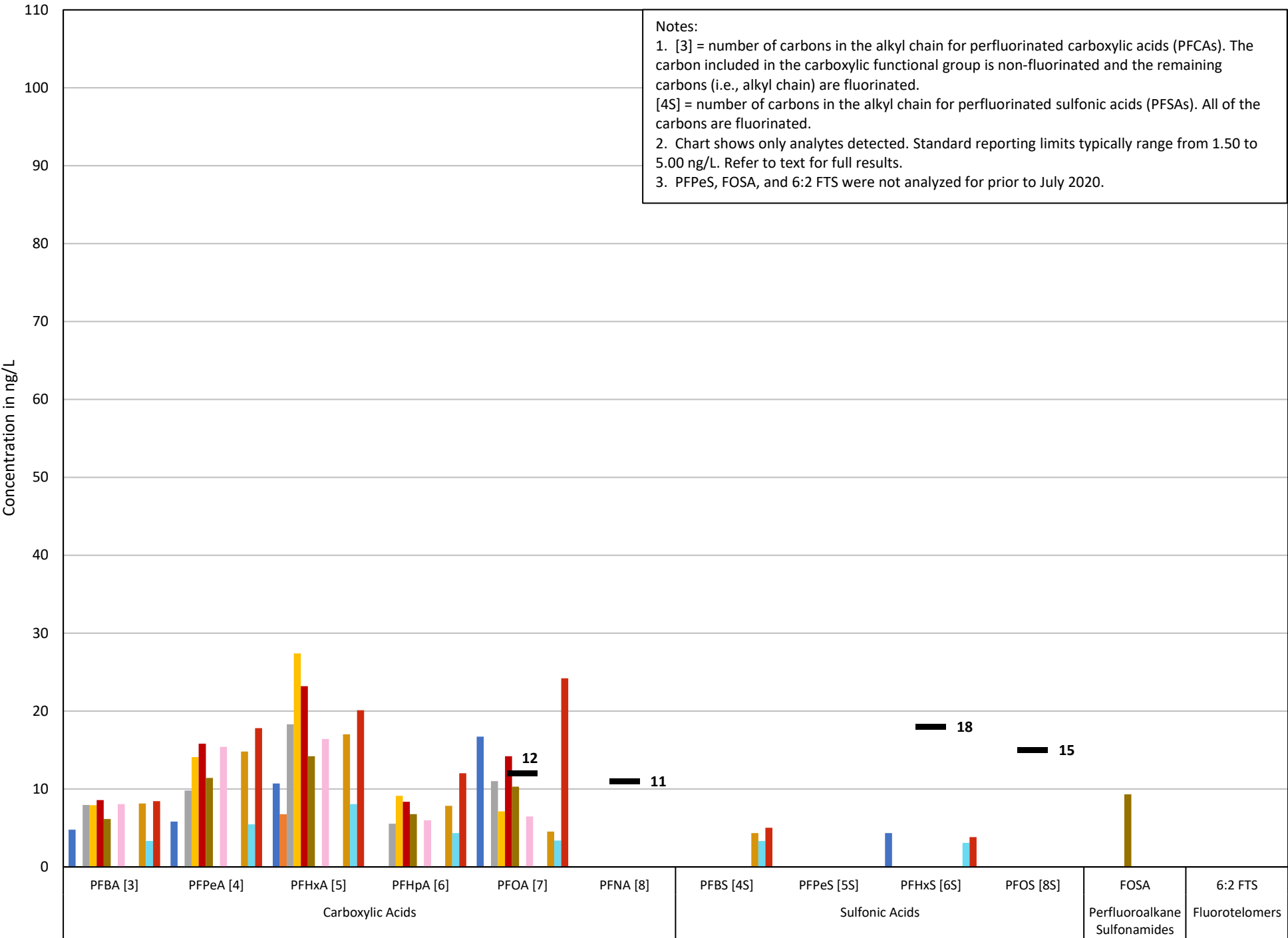
PFAS in MW-604



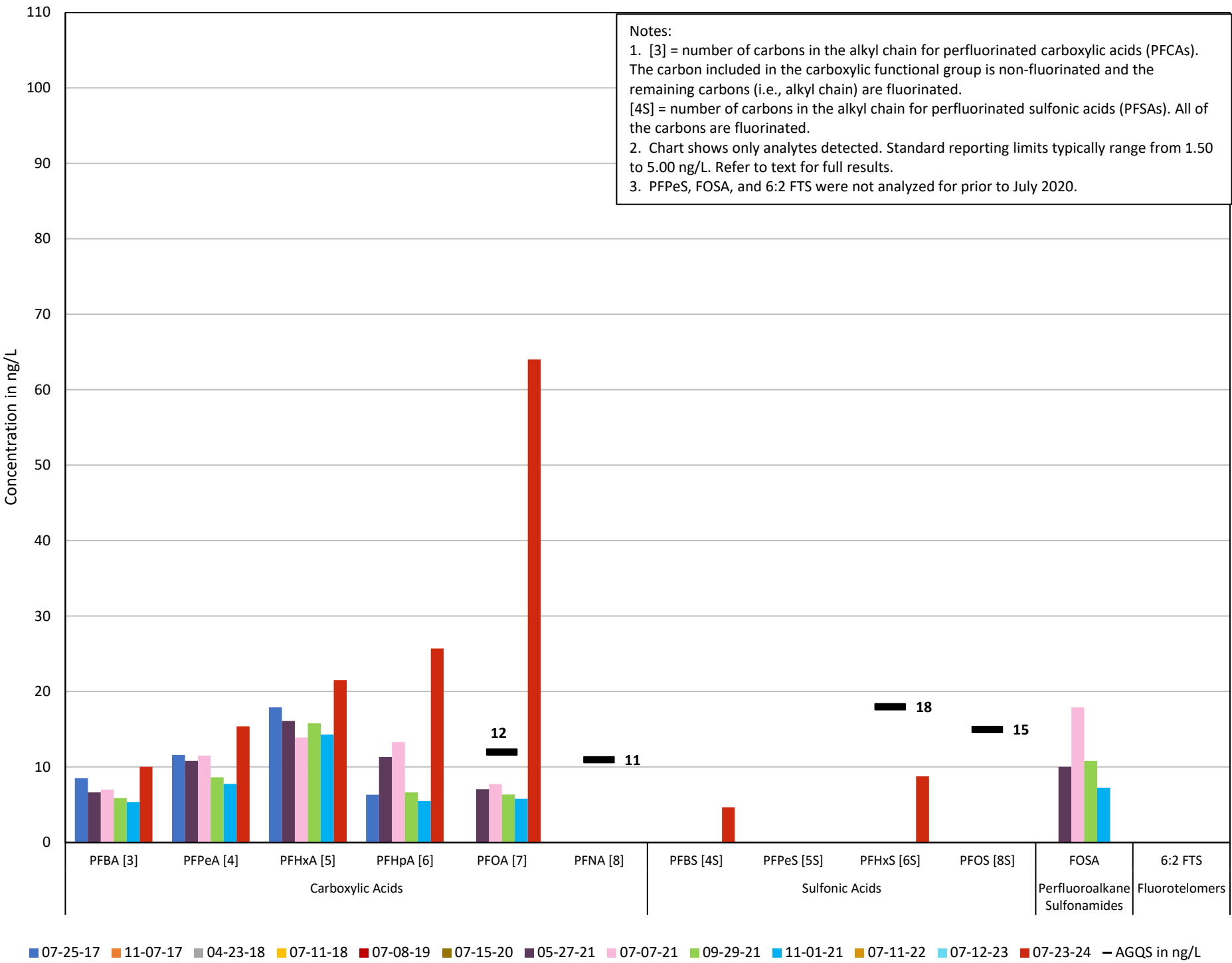
PFAS in MW-701



PFAS in MW-802

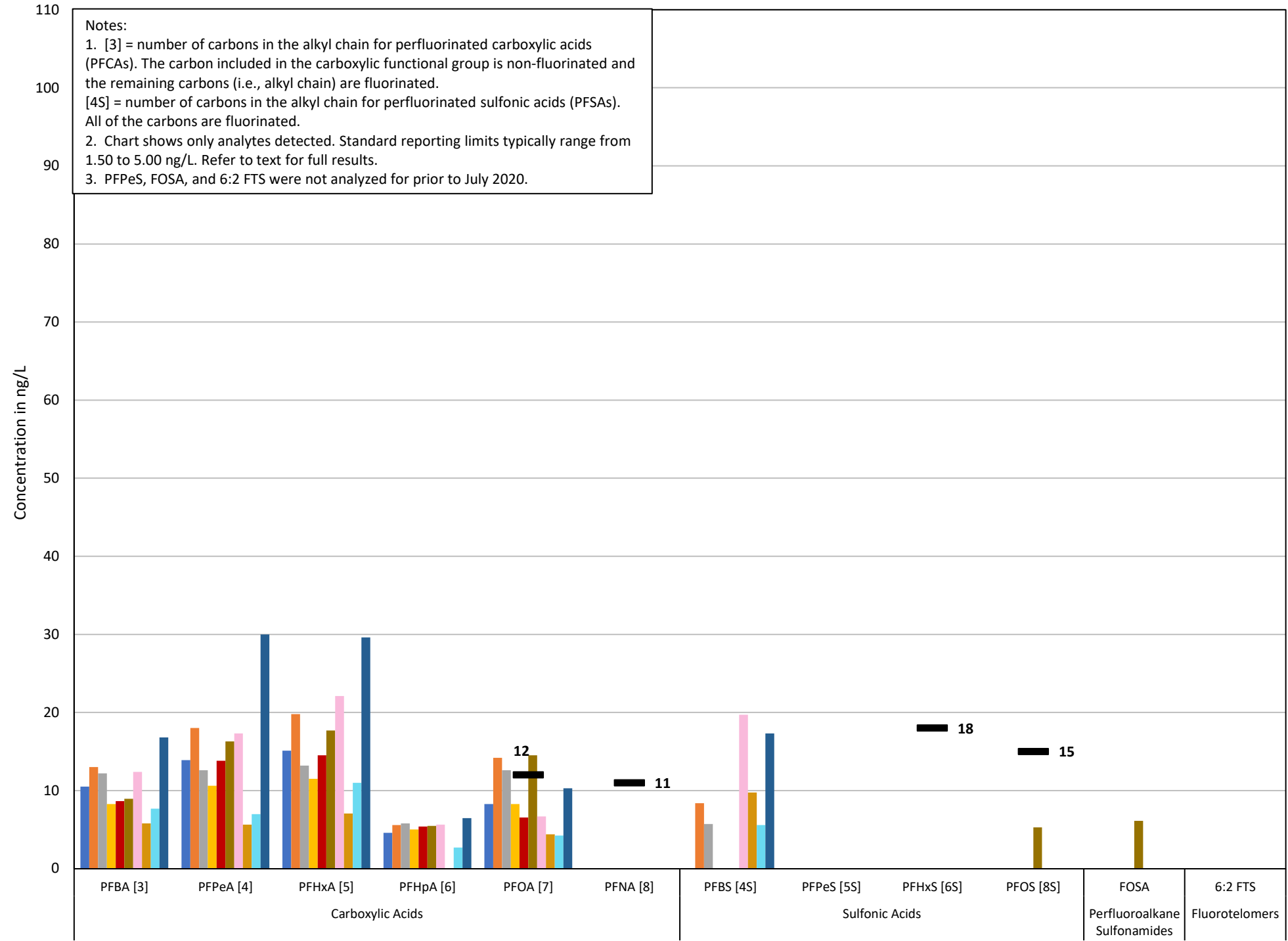


PFAS in MW-803

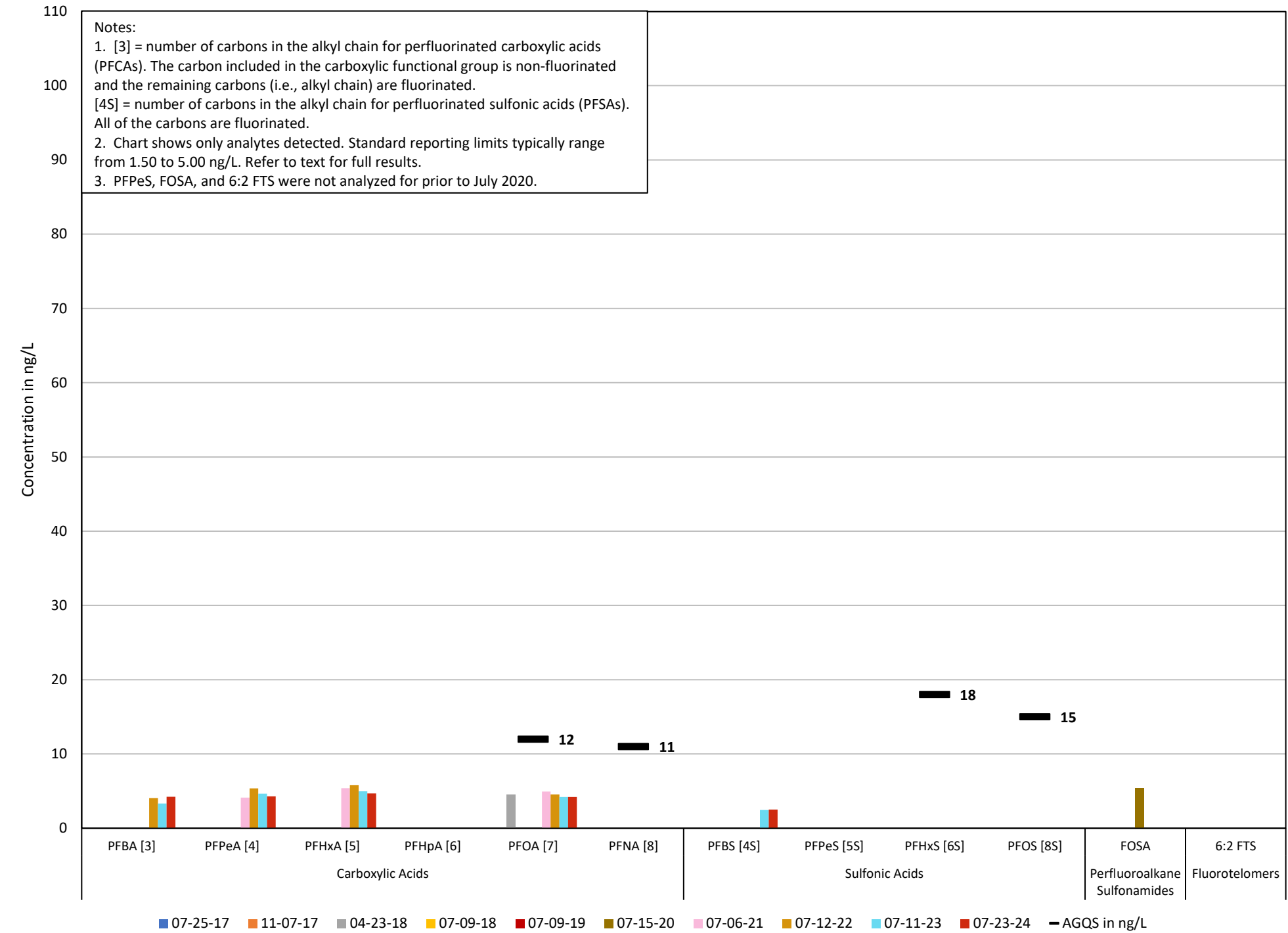


PFAS not detected in B-915D (11/17 and 4/18).

PFAS in B-915U

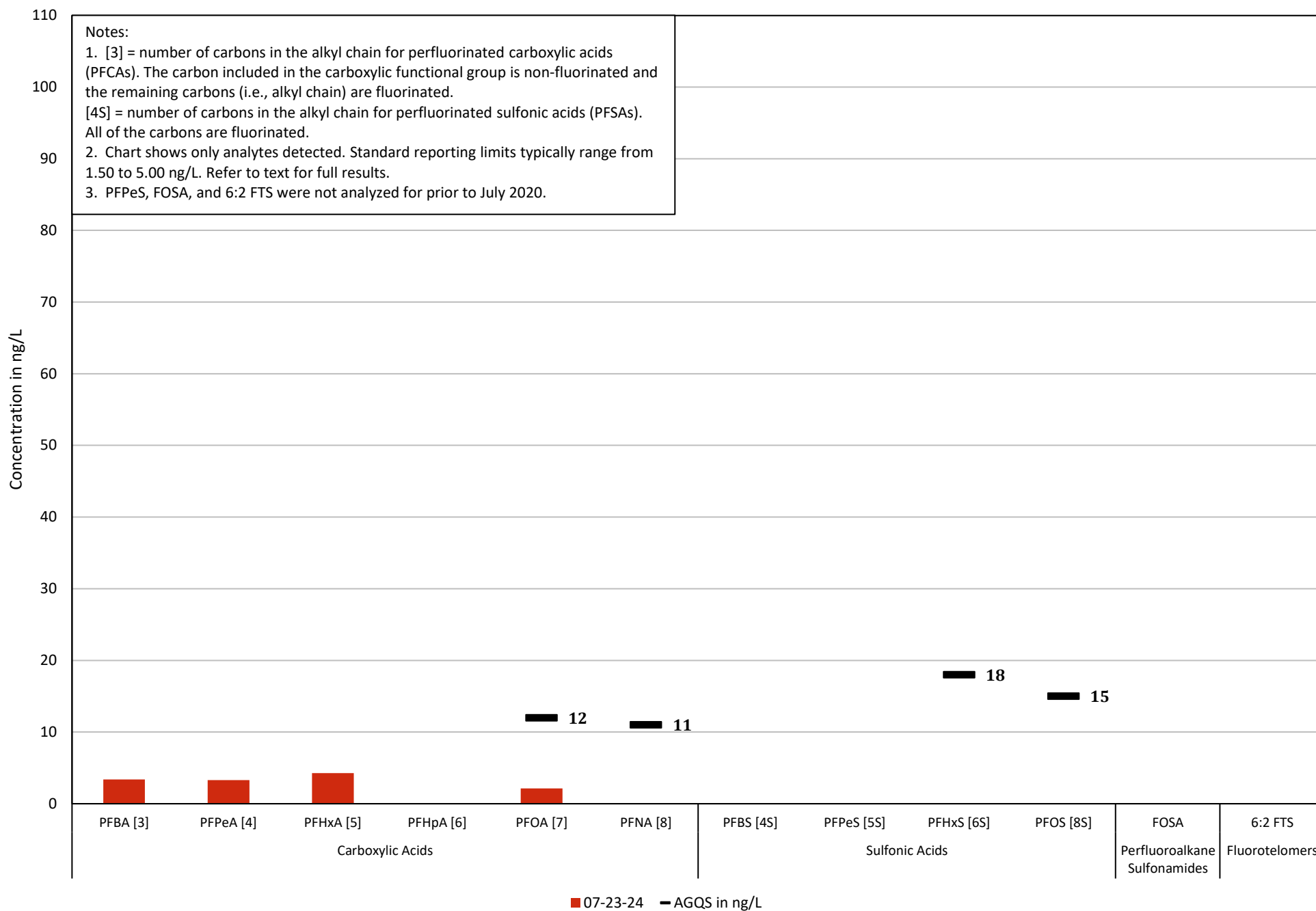


PFAS in B-915M



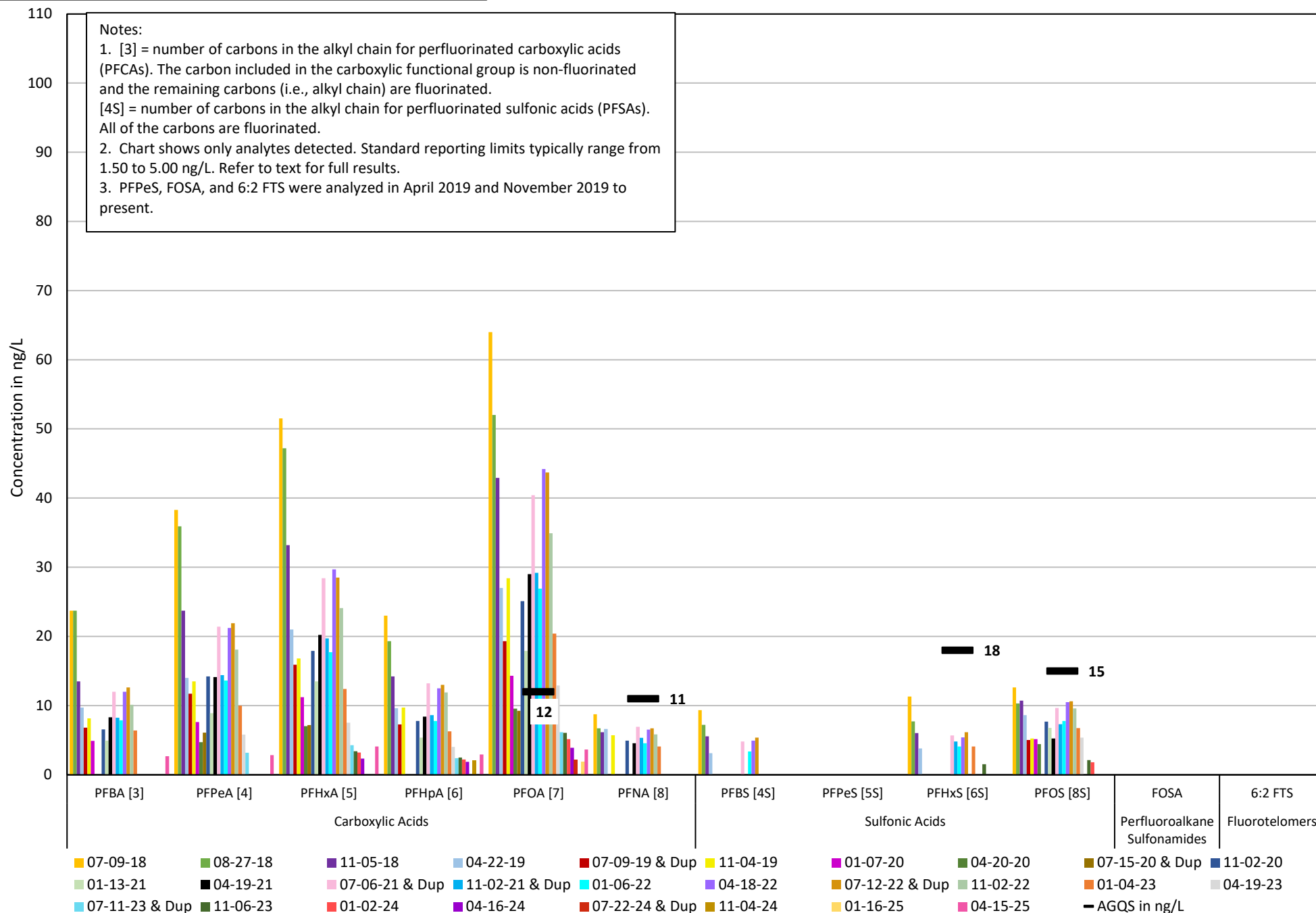
PFAS not detected in B-915U (7/24).

PFAS in B-916M



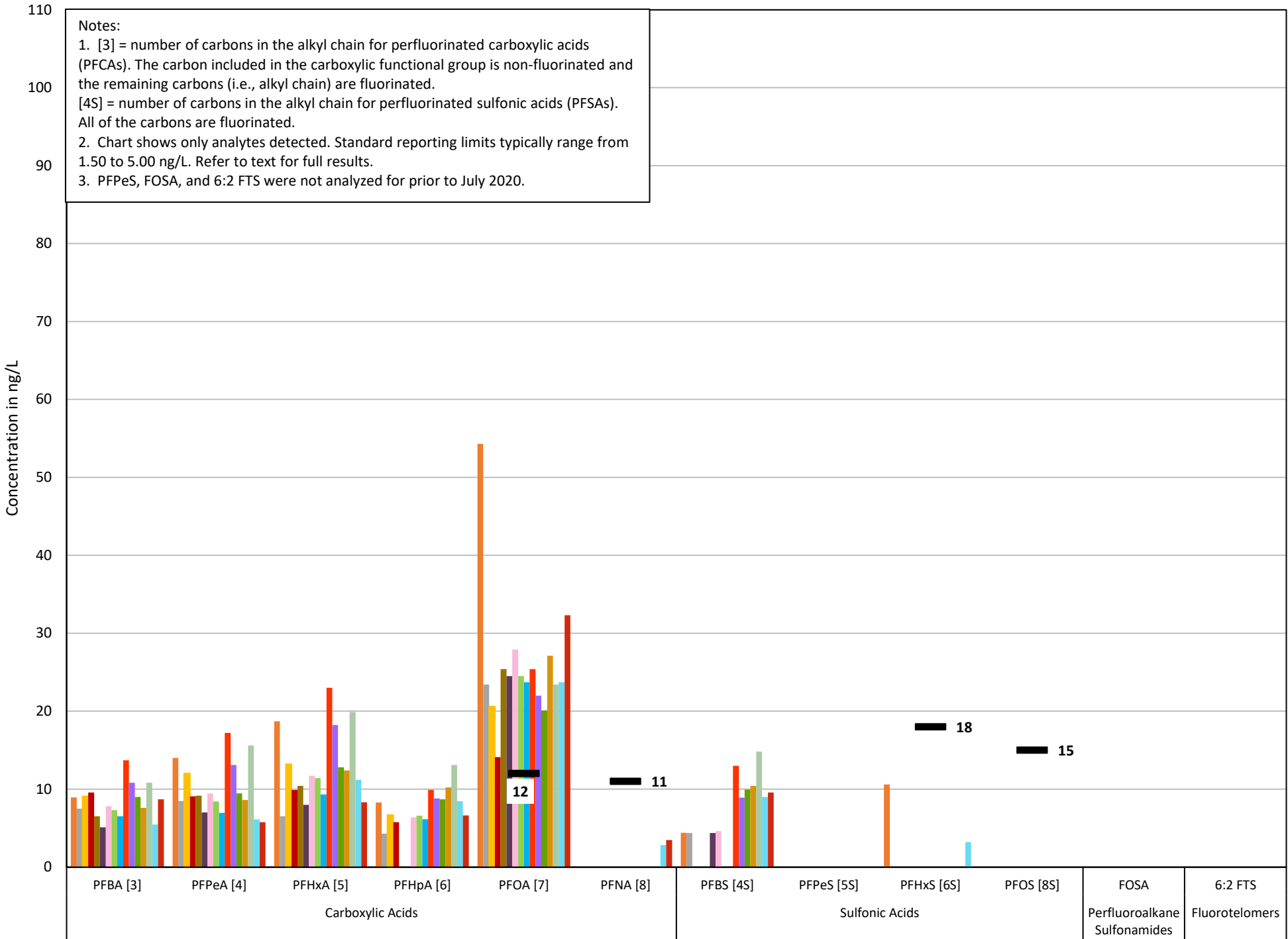
PFAS not detected in B-918U (7/18, 8/18, 7/19, 7/20, 7/21, 7/22, & 7/23) and B-918D (8/18, 7/19, 7/21, 7/23, & 7/24).

PFAS in B-918M

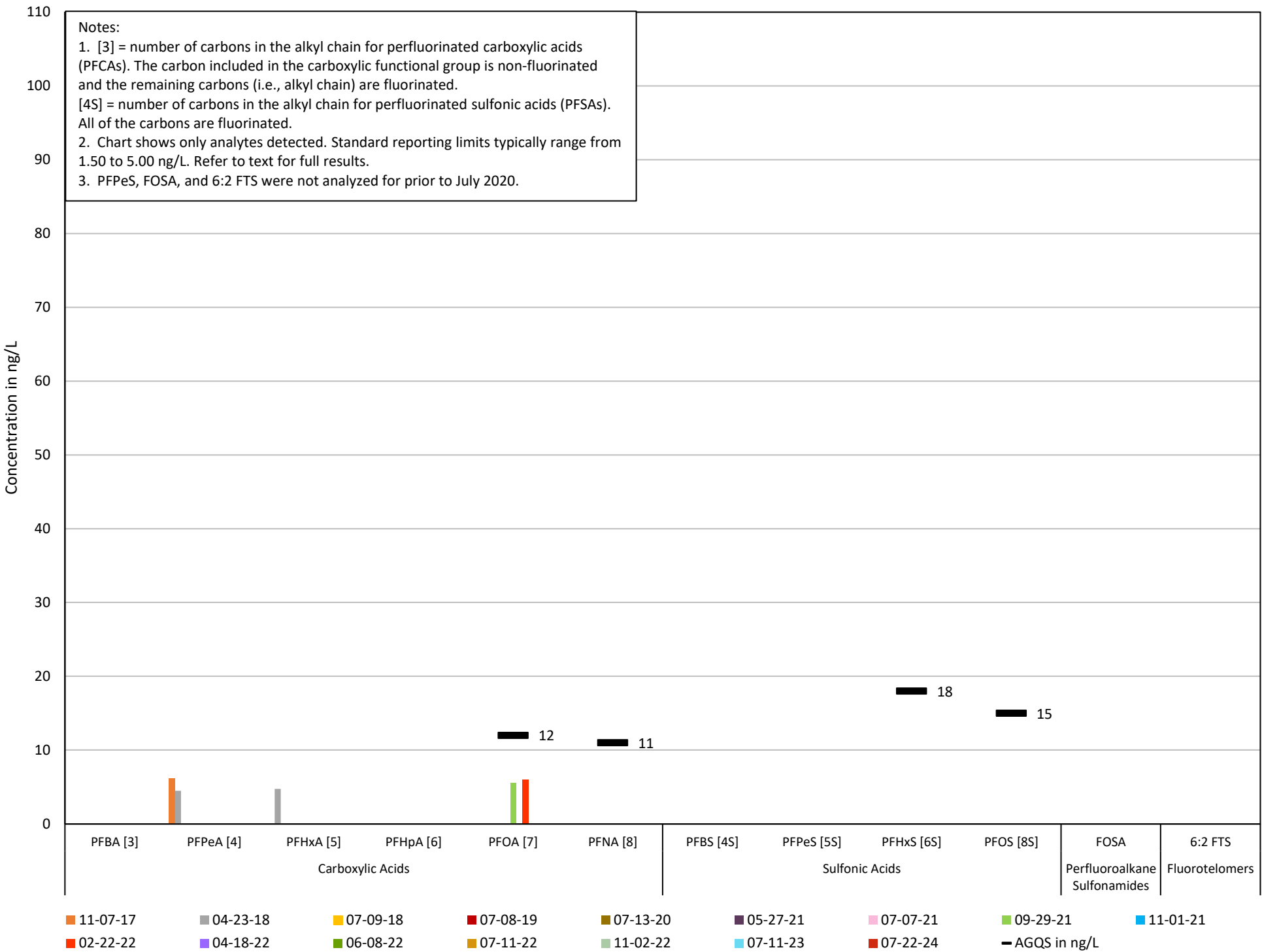


PFAS not detected in B-919D (11/17, 4/18, 7/19, 5/21, 7/21, 9/21, 11/21, 2/22, 4/22, 6/22, 11/22, & 7/23).

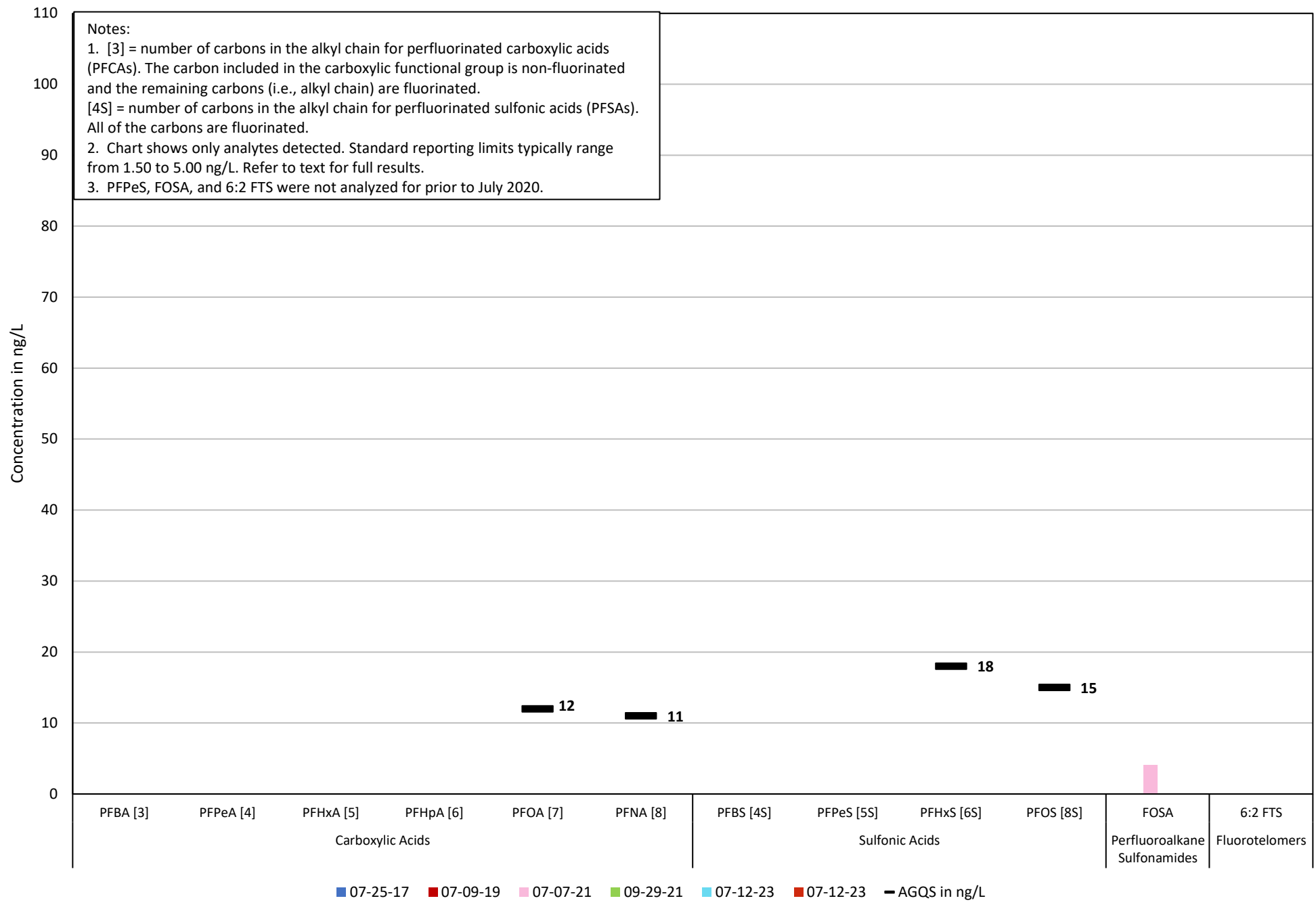
PFAS in B-919U



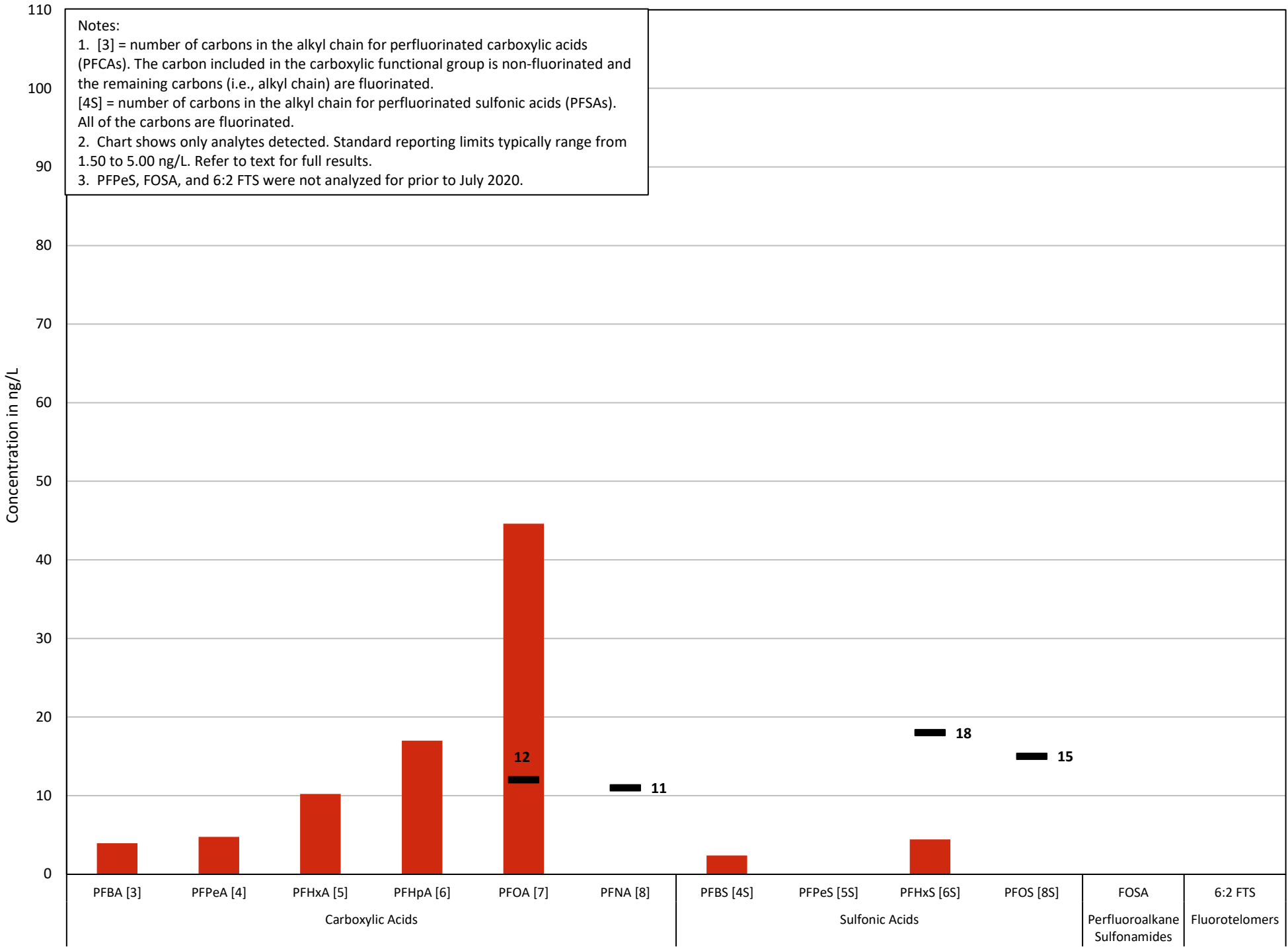
PFAS in B-919M



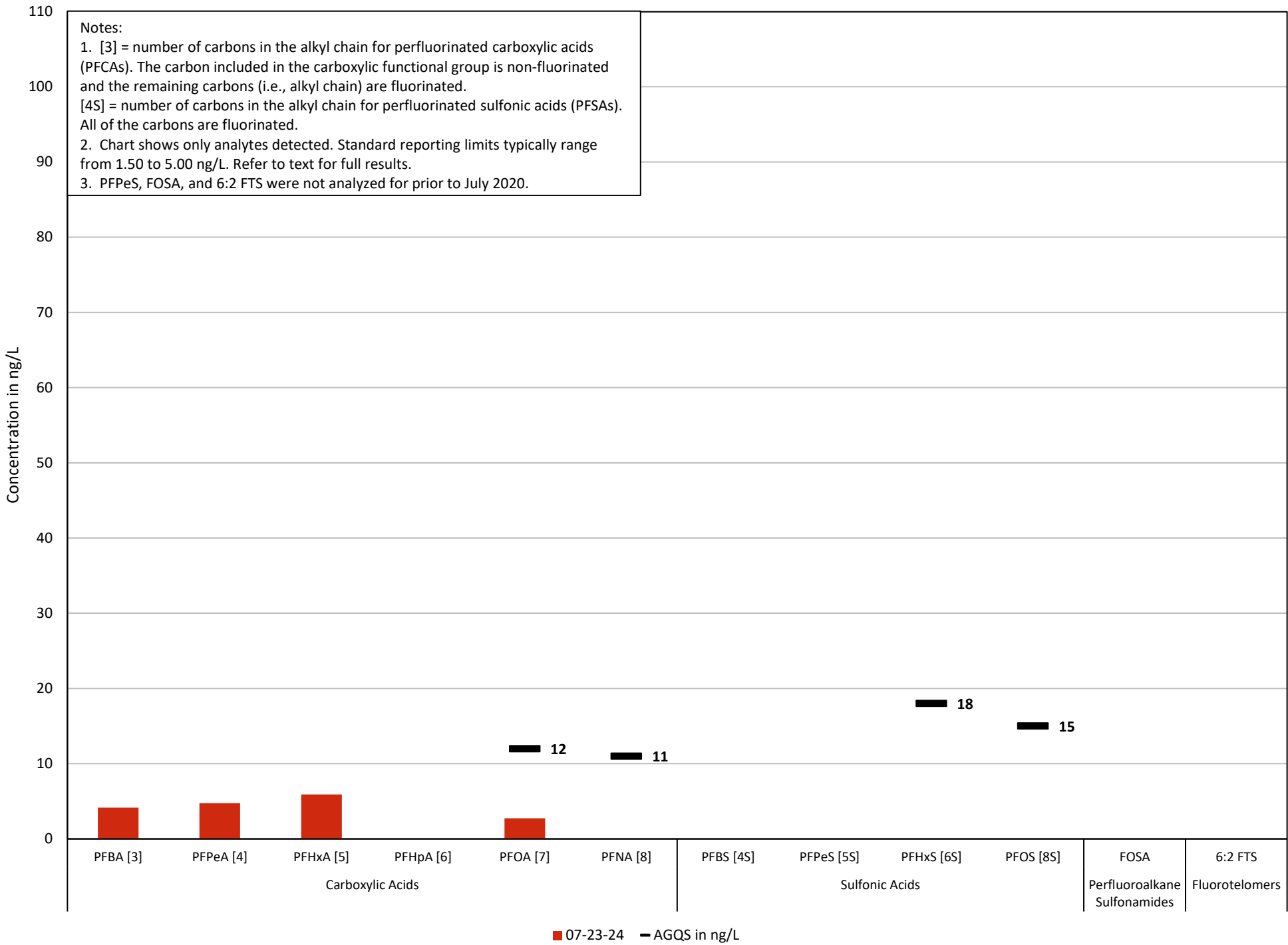
PFAS in B-924U



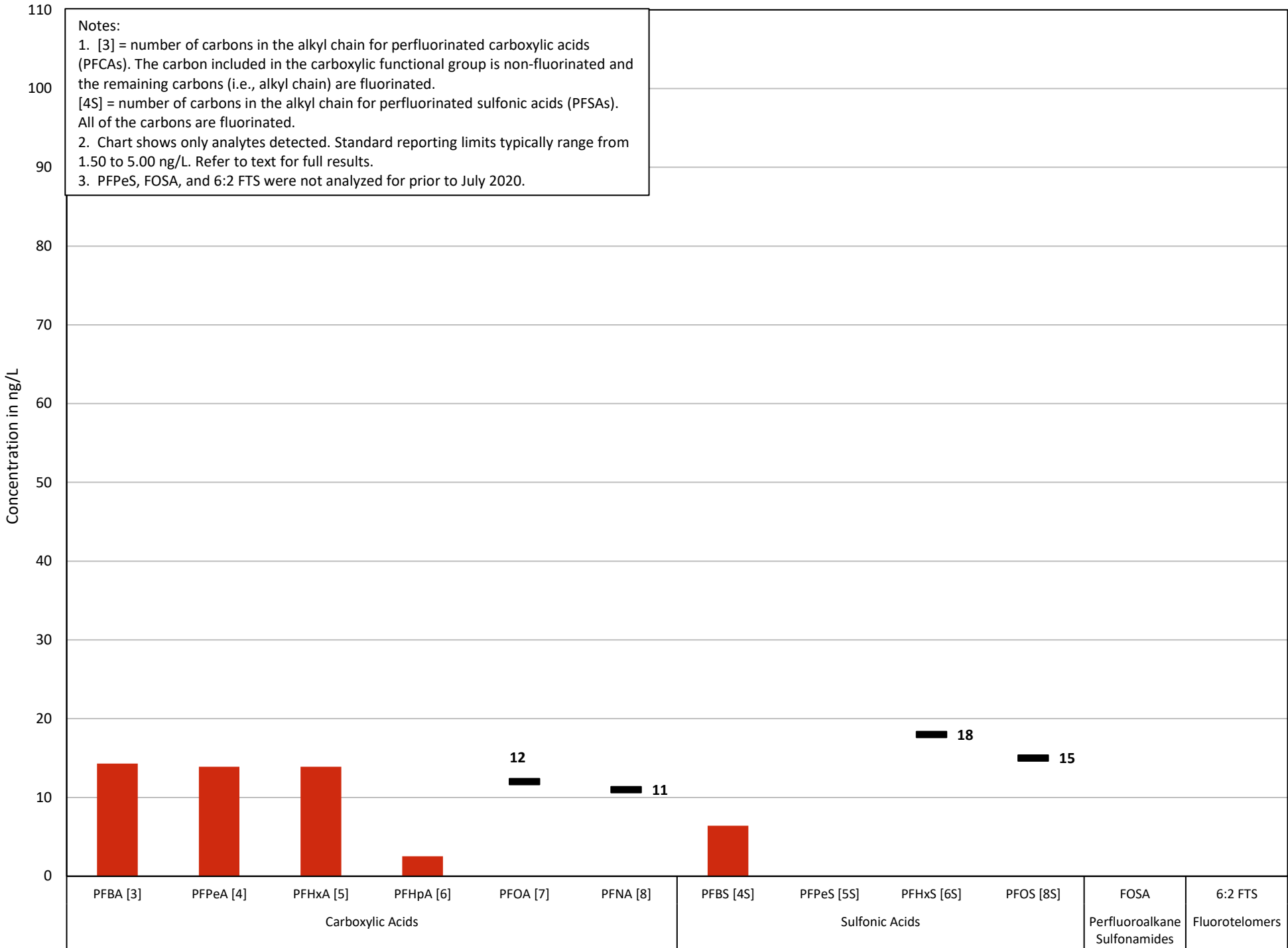
PFAS in B-926U



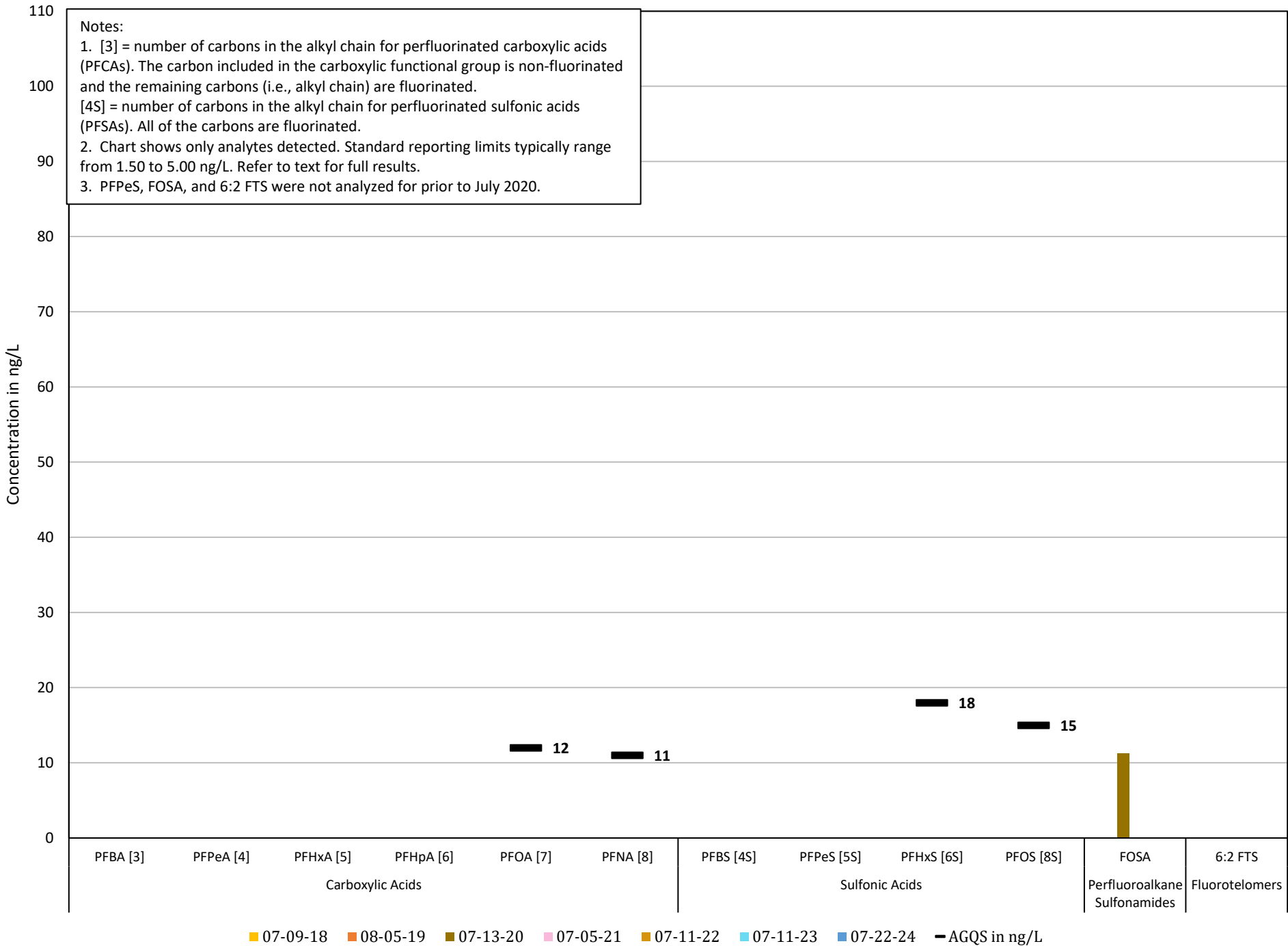
PFAS in B-926L



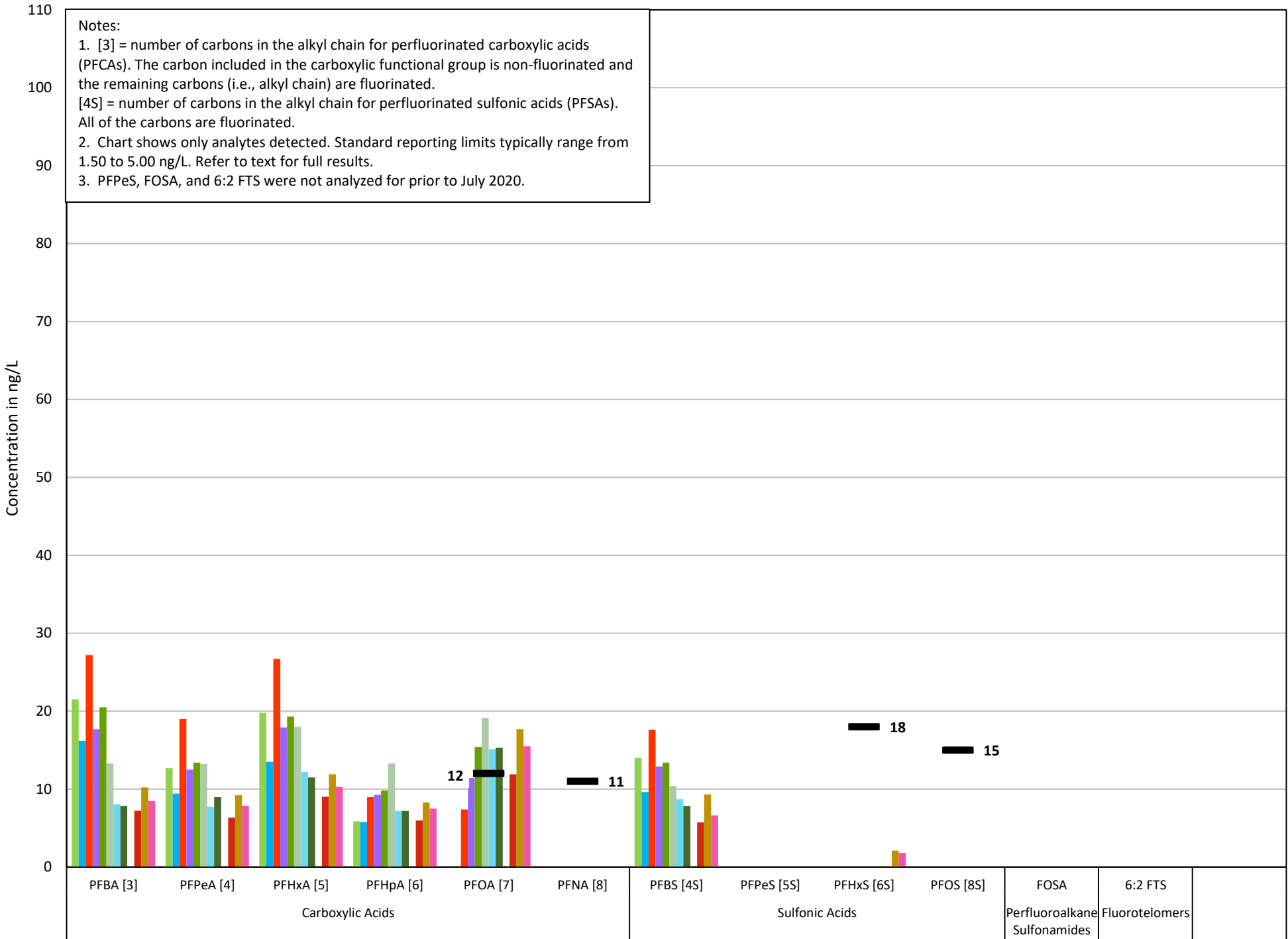
PFAS in B-927U



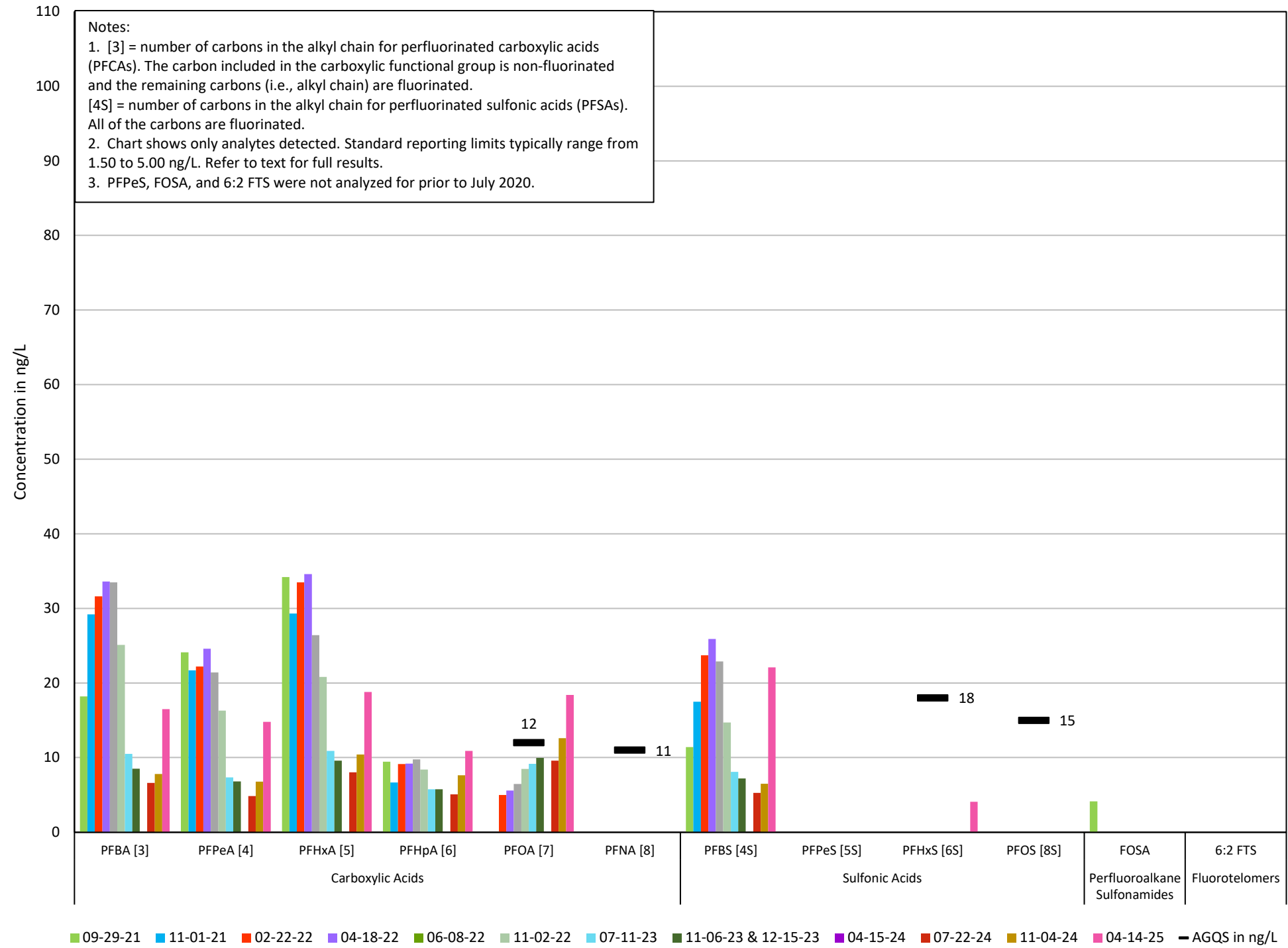
PFAS in B-927M



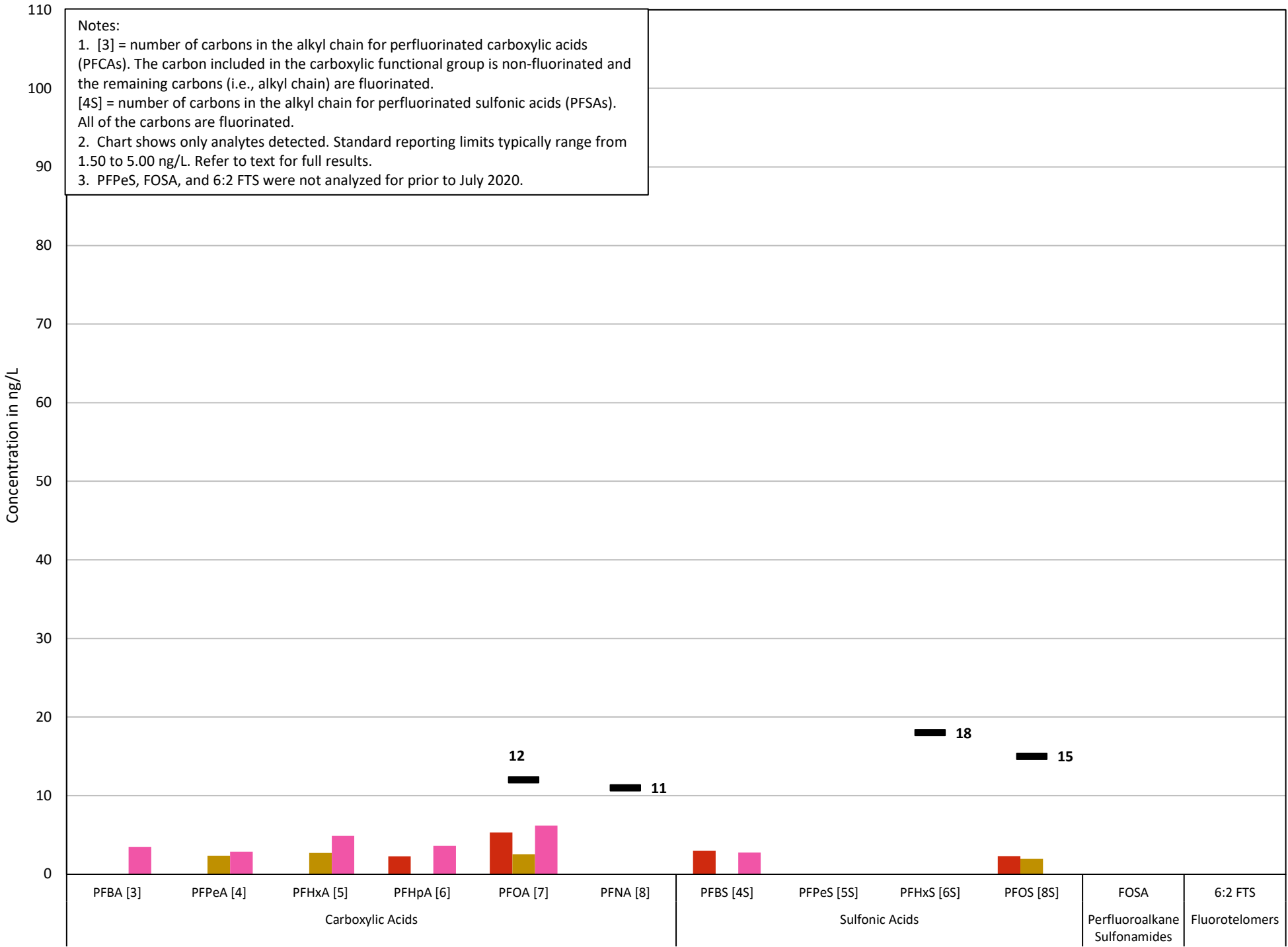
PFAS in B-928U



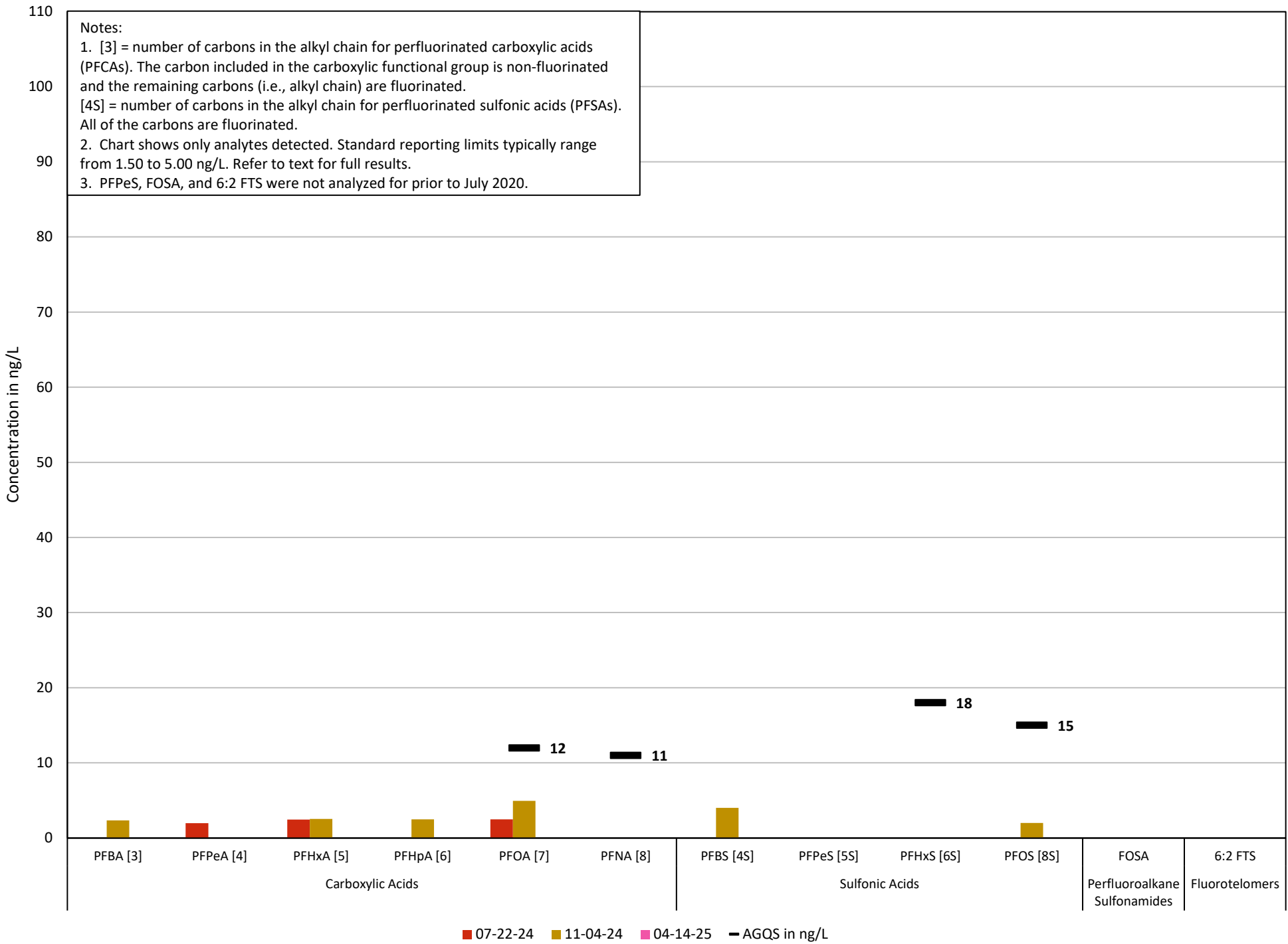
PFAS in B-928D



PFAS in B-932U



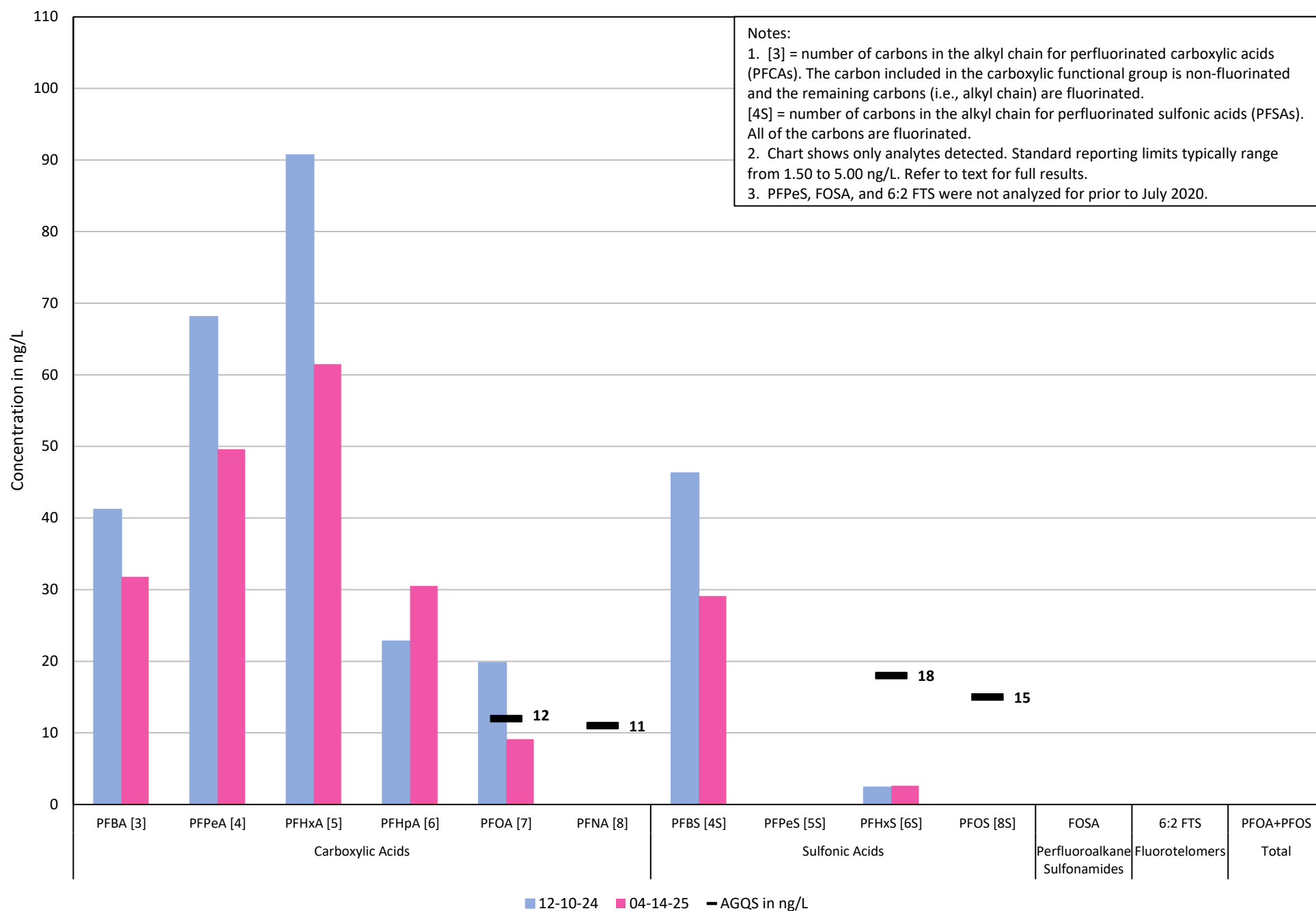
PFAS in B-932L



07-22-24 11-04-24 04-14-25 AGQS in ng/L

PFAS not detected in B-934L (12/24 & 4/25).

PFAS in B-934U



Appendix E

Sanborn Head Field Sampling Summary Forms

Groundwater Quality Field Sampling Summary

SANBORN HEAD	Project Number:	2637.012	Date(s):	April 14-15, 2025
	Project Name:	North Country Environmental Services, Inc.	Project Manager:	T. White, M. Estabrooks
	Project Location:	Bethlehem, New Hampshire	Collector(s):	P. Pryor, D. Kelsey
pH, Conductivity, Temperature Meter(s): Oakton PC450			Weather: 4/14: Sunny, 30-50s°F	
Water Level Meter(s): Heron Dipper			4/15: Moderate to partly cloudy, 40-50s°F	
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	04/14/25	14:38	TPVC	1.5"	1357.64	52.20	1305.44	61	61.28	SP	1.99	AG	7.01	156	14.0	—	Y	Y	3	Y	Ded. Waterra	2
B-103D	04/14/25	14:26	TPVC	1.5"	1358.61	53.79	1304.82	66.5	68.36	SP	1.88	AG	7.03	102	14.3	—	Y	Y	4	Y	Ded. Waterra	2
B-304UR	04/14/25	10:50	TPVC	2"	1338.44	49.02	1289.42	50	52.91	SP	2.15	AG	6.80	278	13.4	706	Y	Y	2	Y	Ded. Bailer	1,9
B-304DR	04/14/25	10:57	TPVC	2"	1338.24	48.23	1290.01	75	75.50	SP	2.20	AG	6.65	257	16.8	>1,000	Y	Y	14	Y	Mega-Monsoon XL Pump	3,5,9
MW-604	04/14/25	12:23	TPVC	2"	1319.83	41.14	1278.69	75	75.20	SP	2.65	AG	7.18	179	10.1	864	Y	Y	6.5	N	Ded. Waterra	2,7,9
MW-701	04/15/25	11:13	TPVC	2"	1331.63	14.47	1317.16	23	25.09	SP	2.05	AG	6.75	211	9.6	58.6	Y	Y	5.25	Y	Ded. Bailer	1,9
MW-802	04/14/25	15:14	TPVC	2"	1350.55	45.70	1304.85	52	51.99	SP	3.05	AG	6.27	218	16.9	—	Y	Y	4.5	Y	Ded. Bailer	1
MW-803	04/14/25	16:08	TPVC	2"	1346.38	41.36	1305.02	53	55.45	SP	0.75	AG	6.45	423	17.3	—	Y	Y	7	Y	Ded. Bailer	1,6
B-915U	04/15/25	10:34	TPVC	2"	1338.20	24.66	1313.54	35.75	35.86	SP	1.95	AG	6.66	187	10.2	—	Y	Y	3.5	N	Ded. Bailer	1,7
B-915M	04/15/25	10:40	TPVC	2"	1338.09	31.92	1306.17	78.72	78.88	SP	3.25	AG	6.46	282	9.5	—	Y	Y	24.25	Y	Ded. Waterra	2
B-915D	04/15/25	10:09	TPVC	2"	1338.16	31.57	1306.59	108.18	108.38	SP	1.55	AG	—	—	—	—	Y	Y	—	—	—	4
B-916U	04/15/25	9:08	TPVC	2"	1323.76	12.34	1311.42	26.14	26.22	SP	2.42	AG	6.24	75	8.4	—	Y	Y	8	Y	Ded. Bailer	1
B-916M	04/15/25	9:14	TPVC	2"	1323.91	42.69	1281.22	89.5	92.40	SP	2.68	AG	6.44	236	8.6	—	Y	Y	24	Y	Ded. Waterra	2
B-916D	04/15/25	8:48	TPVC	2"	1323.99	52.71	1271.28	126.6	125.65	SP	2.61	AG	—	—	—	—	Y	Y	—	—	—	4
B-917U	04/15/25	9:36	TPVC	2"	1325.14	30.13	1295.01	38.64	37.56	SP	2.55	AG	7.18	48	8.5	—	Y	Y	2.25	N	Ded. Bailer	1,7
B-909	04/15/25	9:46	TPVC	2"	1325.50	32.33	1293.17	57.55	58.10	SP	2.57	AG	7.10	110	9.2	—	Y	Y	13.5	Y	Ded. Waterra	2
B-917D	04/15/25	8:55	TPVC	2"	1325.36	30.89	1294.47	102.86	102.13	SP	2.31	AG	—	—	—	—	Y	Y	—	—	—	4
B-918U	04/15/25	8:28	TPVC	2"	1330.59	24.85	1305.74	30.55	31.50	SP	3.00	AG	6.31	382	10.0	—	Y	Y	4.25	Y	Ded. Bailer	1
B-918M	04/15/25	8:26	TPVC	2"	1330.23	24.92	1305.31	47.8	47.89	SP	1.78	AG	7.32	184	10.8	11.8	Y	Y	12	Y	Ded. Waterra	2,9
B-918D	04/15/25	8:13	TPVC	2"	1330.57	35.21	1295.36	126.51	127.30	SP	2.60	AG	—	—	—	—	Y	Y	—	—	—	4
B-919U	04/14/25	8:45	TPVC	2"	1344.27	39.32	1304.95	50	43.42	SP	2.15	AG	7.05	116	12.4	—	Y	Y	1.25	N	Ded. Bailer	1,7
B-919M	04/14/25	9:15	TPVC	2"	1344.06	51.35	1292.71	100	101.29	SP	2.25	AG	6.76	131	16.5	—	Y	Y	24.5	Y	Ded. Waterra	2
B-919D	04/14/25	8:31	TPVC	2"	1344.13	51.39	1292.74	150	151.27	SP	1.2	AG	—	—	—	—	N	N	—	—	—	4,11
B-923U	04/15/25	11:33	TPVC	2"	1357.38	38.17	1319.21	43.3	46.15	SP	2.7	AG	—	—	—	—	Y	Y	—	—	—	4
B-924U	04/15/25	11:50	TPVC	2"	1362.00	30.30	1331.70	34.3	37.24	SP	3.0	AG	6.74	97	9.4	—	Y	Y	1.75	N	Ded. Bailer	1,7
B-924L	04/15/25	11:39	TPVC	2"	1361.25	43.13	1318.12	90.8	93.74	SP	2.6	AG	—	—	—	—	Y	Y	—	—	—	4
B-925U	04/15/25	12:05	TPVC	2"	1365.00	27.93	1337.07	32	37.16	SP	3 [†]	AG	—	—	—	—	Y	Y	—	—	—	4
B-925L	04/15/25	12:06	TPVC	2"	1365.05	45.91	1319.14	81.3	86.88	SP	3 [†]	AG	—	—	—	—	Y	Y	—	—	—	4
B-926U	04/15/25	11:00	TPVC	2"	1332.47	24.96	1307.51	29	31.54	SP	2.4	AG	6.12	260	10.6	—	Y	Y	2	N	Ded. Bailer	1,7
B-926L	04/15/25	11:08	TPVC	2"	1332.68	30.88	1301.80	64	66.07	SP	2.5	AG	6.51	231	9.9	—	Y	Y	17.25	Y	Ded. Waterra	2
B-927U	04/14/25	9:45	TPVC	2"	1345.58	43.42	1302.16	49.2	52.35	SP	2.7	AG	6.53	370	13.4	—	Y	Y	3.25	N	Ded. Bailer	1,7
B-927M	04/14/25	10:00	TPVC	2"	1345.59	47.07	1298.52	86.3	85.50	SP	2.6	AG	7.03	156	15.2	—	Y	Y	13	N	Mega-Monsoon XL Pump	3,7
B-927L	04/14/25	9:27	TPVC	2"	1345.61	54.38	1291.23	133.1	134.97	SP	2.6	AG	—	—	—	—	Y	Y	—	—	—	4
B-928U	04/14/25	12:52	TPVC	2"	1333.75	46.60	1287.15	51.3	53.99	SP	2.7	AG	6.65	173	10.6	24.1	Y	Y	3.75	Y	Ded. Bailer	1,9
B-928D	04/14/25	12:57	TPVC	2"	1334.12	50.80	1283.32	71.1	73.19	SP	2.8	AG	6.59	178	10.8	>1,000	Y	Y	11.25	Y	Ded. Waterra	2,9
B-929U	04/15/25	12:35	TPVC	2"	1376.06	40.69	1335.37	55.2	57.65	SP	2.7 ^Y	AG	7.01	86	10.3	—	Y	Y	8.5	Y	Ded. Bailer	1
B-929L	04/15/25	12:12	TPVC	2"	1375.99	47.92	1328.07	95.1	97.77	SP	2.7 ^Y	AG	—	—	—	—	Y	Y	—	—	—	4
B-930U	04/15/25	13:04	TPVC	2"	1376.69	40.38	1336.31	50.1	52.34	SP	2.7 ^Y	AG	7.00	108	10.8	—	Y	Y	6	Y	Ded. Bailer	1
B-930L	04/15/25	12:50	TPVC	2"	1376.93	66.82	1310.11	114	116.39	SP	2.7 ^Y	AG	—	—	—	—	Y	Y	—	—	—	4
B-931U	04/15/25	13:30	TPVC	2"	1331.86	24.47	1307.39	34.2	36.78	SP	2.7 ^Y	AG	7.25	106	9.8	—	Y	Y	6	Y	Ded. Bailer	1
B-931L	04/15/25	13:18	TPVC	2"	1332.07	25.24	1306.83	65.9	66.07	SP	2.7 ^Y	AG	—	—	—	—	Y	Y	—	—	—	4
QC FB	04/15/25	11:15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,9

Comments

- AG = Above ground
BG = Below ground
- The monitoring well was purged using a dedicated polyethylene bailer prior to collecting the groundwater sample (using the bailer).
 - 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).
 - The monitoring well was purged using a ProActive Mega-Monsoon XL pump with new LDPE tubing.
 - Water level measurement only. The well was not scheduled to be sampled during this monitoring round.
 - Field duplicate (labeled "Dup-1") obtained from well B-304DR.
 - Field duplicate (labeled "Dup-2") obtained from well MW-803.
 - Monitoring well purged near dry. Sample collected upon sufficient recharge.
 - 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.
 - Sampled for PFAS. Only PFAS samples were screened for laboratory analysis.
 - "+" indicates PVC riser was extended July 2021.
 - "Y" indicates height measured March 2023.
 - Protective standpipe damaged Royer cap broken. Standpipe caved in at top.

Surface Water Quality Field Sampling Summary

SANBORN  HEAD	Project Number: 2637.012		Date(s): April 15, 2025					
	Project Name: North Country Environmental Services, Inc.							
	Project Location: Bethlehem, New Hampshire							
pH, Conductivity, Temperature Meter(s): Oakton PC450			Project Manager: M. Estabrooks					
Turbidity Meter: Hach 2100Q			Collector(s): P. Pryor					
			Weather: Cloudy, 50-60s°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	4/15/2025	13:55	7.39	112	9.9	15.0	Laboratory Container	1
Seep S-1	4/15/2025	14:05	6.76	93	10.2	5.20	Laboratory Container	1
Comments								
1. Surface water samples were collected as grab samples from the above sampling locations.								

Water Level Measurement Form

		Project Number: 1003.029					Date: April 16, 2025								
		Project Name: North Country Environmental Services, Inc.													
		Project Location: Bethlehem, NH													
Water Level Meter: Heron Dipper-T										Project Manager: T. White					
Weather: Snow/cloudy, 30°s F										Collector(s): P. Pryor					
Location	Reference Elevation (ft. AMSL)	Date	Time	DTW (ft Ref Pt.)	Ref. Point	WL Elevation (ft. AMSL)	Well Secured? (Y/N)			Transducer Information					Notes
							On Arrival	After WLM	Expansion Plug	Serial No.	Firm-ware	Reset?	Battery Status	Approx. Depth (ft. Ref. Pt.)	
PZ-A	1330.46	04/16/25	8:30	32.11	TPVC	1298.35	Y	Y	Y	2196414	1.006	Y	100	39	1
	1330.46	04/16/25	8:37	32.11	TPVC	1298.35	Y	Y	Y						2
PZ-B	1346.09	04/16/25	9:40	42.31	TPVC	1303.78	Y	Y	Y	2196409	1.006	Y	100	50	1
	1346.09	04/16/25	9:46	42.31	TPVC	1303.78	Y	Y	Y						2,3
PZ-C	1320.27	04/16/25	9:09	15.52	TPVC	1304.75	Y	Y	Y	2196425	1.006	Y	100	~30	1
	1320.27	04/16/25	9:16	15.53	TPVC	1304.74	Y	Y	Y						2
SG-Pond 4	1330.05	04/16/25	8:45	0.12	TOS	1329.93	N	N	Y	2196415	1.006	Y	100	~3	1,5
	1330.05	04/16/25	8:50	0.12	TOS	1329.93	N	N	Y						2,4
B-919U	1344.27	04/16/25	9:31	39.25	TPVC	1305.02	Y	Y	Y	2196416	1.006	Y	100	43	1
	1344.27	04/16/25	9:37	39.21	TPVC	1305.06	Y	Y	Y						2
B-919M	1344.06	04/16/25	9:22	51.36	TPVC	1292.70	Y	Y	Y	2196411	1.006	Y	100	58	1
	1344.06	04/16/25	9:29	51.27	TPVC	1292.79	Y	Y	Y						2
B-304UR	1338.44	04/16/25	8:16	48.94	TPVC	1289.50	Y	Y	Y	2196408	1.006	Y	100	53	1
	1338.44	04/16/25	8:25	48.95	TPVC	1289.49	Y	Y	Y						2
B-304DR	1338.24	04/16/25	8:10	48.11	TPVC	1290.13	Y	Y	Y	2196417	1.006	Y	100	55	1
	1338.24	04/16/25	8:15	48.08	TPVC	1290.16	Y	Y	Y						2
MW-604	1319.83	04/16/25	7:59	41.14	TPVC	1278.69	Y	Y	Y	2196410	1.006	Y	100	48	1
	1319.83	04/16/25	8:06	41.14	TPVC	1278.69	Y	Y	Y						2
BARO	N/A	04/16/25	9:46	--	--	--	--	--	--	2196385	1.006	Y	100	--	3
Notes 1. Measurement collected before installing the Solinst Levellogger 5 Junior M5/15 ft pressure transducer. 2. Measurement collected after downloading the transducer. 3. Solinst Barologger 5 pressure transducer installed inside the standpipe of PZ-B. 4. Transducer installed. 5. 0.76 'TPVC, ~1.4' silt, reduced transducer depth. TPVC = top of PVC, TOS = top of staff gauge															

Appendix F

Analytical Laboratory Reports

ANALYTICAL REPORT

PREPARED FOR

Attn: Matthew Estabrooks
Sanborn Head & Associates Inc
6 Bedford Farms Drive
Suite 201
Bedford, New Hampshire 03110

Generated 4/24/2025 11:55:47 AM

JOB DESCRIPTION

NCES | Groundwater
2637.012

JOB NUMBER

475-2724-1

Eurofins Concord

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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4/24/2025 11:55:47 AM

Authorized for release by
Ashley Breen, Project Manager
Ashley.Breen@et.eurofinsus.com
(603)228-0525

Case Narrative

Client: Sanborn Head & Associates Inc
Project: NCES | Groundwater

Job ID: 475-2724-1

Job ID: 475-2724-1

Eurofins Concord

Job Narrative 475-2724-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 4/15/2025 1:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C.

GC/MS VOA

Method 8260D: B-103S_20250414 (475-2724-1), B-103D_20250414 (475-2724-2), B-304UR_20250414 (475-2724-3), B-304DR_20250414 (475-2724-4), Dup-1_20250414 (475-2724-5), MW-802_20250414 (475-2724-6), MW-803_20250414 (475-2724-7), Dup-2_20250414 (475-2724-8), B-919U_20250414 (475-2724-9), B-919M_20250414 (475-2724-10), B-927U_20250414 (475-2724-11), B-928U_20250414 (475-2724-13), B-928D_20250414 (475-2724-14) and TB-GW-01_20250414 (475-2724-15): The continuing calibration verification (CCV) associated with batch 475-3512 recovered outside acceptance criteria, low biased, for Bromomethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte, the data are reported.

Method 8260D: B-103S_20250414 (475-2724-1), B-103D_20250414 (475-2724-2), B-304UR_20250414 (475-2724-3), B-304DR_20250414 (475-2724-4), Dup-1_20250414 (475-2724-5), MW-802_20250414 (475-2724-6), MW-803_20250414 (475-2724-7), Dup-2_20250414 (475-2724-8), B-919U_20250414 (475-2724-9), B-919M_20250414 (475-2724-10), B-927U_20250414 (475-2724-11), B-928U_20250414 (475-2724-13), B-928D_20250414 (475-2724-14) and TB-GW-01_20250414 (475-2724-15): The laboratory control sample (LCS) for 475-3512 recovered outside control limits for the following analytes: Bromomethane. Since the affected target compound was not detected in the samples, the data have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Concord

Sample Summary

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
475-2724-1	B-103S_20250414	Water	04/14/25 14:38	04/15/25 13:00
475-2724-2	B-103D_20250414	Water	04/14/25 14:26	04/15/25 13:00
475-2724-3	B-304UR_20250414	Water	04/14/25 10:50	04/15/25 13:00
475-2724-4	B-304DR_20250414	Water	04/14/25 10:57	04/15/25 13:00
475-2724-5	Dup-1_20250414	Water	04/14/25 10:57	04/15/25 13:00
475-2724-6	MW-802_20250414	Water	04/14/25 15:14	04/15/25 13:00
475-2724-7	MW-803_20250414	Water	04/14/25 16:08	04/15/25 13:00
475-2724-8	Dup-2_20250414	Water	04/14/25 16:08	04/15/25 13:00
475-2724-9	B-919U_20250414	Water	04/14/25 08:45	04/15/25 13:00
475-2724-10	B-919M_20250414	Water	04/14/25 09:15	04/15/25 13:00
475-2724-11	B-927U_20250414	Water	04/14/25 09:45	04/15/25 13:00
475-2724-12	B-927M_20250414	Water	04/14/25 10:00	04/15/25 13:00
475-2724-13	B-928U_20250414	Water	04/14/25 12:52	04/15/25 13:00
475-2724-14	B-928D_20250414	Water	04/14/25 12:57	04/15/25 13:00
475-2724-15	TB-GW-01_20250414	Water	04/14/25 16:30	04/15/25 13:00
475-2724-16	TB-LL-GW-01_20250414	Water	04/14/25 16:30	04/15/25 13:00

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-103S_20250414

Lab Sample ID: 475-2724-1

Date Collected: 04/14/25 14:38

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/17/25 02:20	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/17/25 02:20	1	SLH
4-Bromofluorobenzene (Surr)	103		70 - 130			04/17/25 02:20	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 03:03	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 03:03	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 03:03	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 03:03	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 03:03	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 03:03	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 03:03	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 03:03	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 03:03	1	AMF
Acetone	<10		10	ug/L		04/17/25 03:03	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 03:03	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 03:03	1	AMF
Bromomethane	<2.0	*	2.0	ug/L		04/17/25 03:03	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 03:03	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 03:03	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 03:03	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-103S_20250414

Lab Sample ID: 475-2724-1

Date Collected: 04/14/25 14:38

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 03:03	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 03:03	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 03:03	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 03:03	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 03:03	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 03:03	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 03:03	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 03:03	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 03:03	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 03:03	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 03:03	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 03:03	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 03:03	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	104		70 - 130	04/17/25 03:03	1	AMF
1,2-Dichloroethane-d4 (Surr)	106		70 - 130	04/17/25 03:03	1	AMF
4-Bromofluorobenzene (Surr)	101		70 - 130	04/17/25 03:03	1	AMF
Toluene-d8 (Surr)	103		70 - 130	04/17/25 03:03	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/16/25 14:29	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	11		0.050	mg/L		04/16/25 18:15	1	DS
Manganese	2.5		0.0050	mg/L		04/16/25 18:15	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 08:49	1	SRG

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-103S_20250414

Lab Sample ID: 475-2724-1

Date Collected: 04/14/25 14:38

Matrix: Water

Date Received: 04/15/25 13:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 15:38	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/18/25 14:00	1	SRG
Chloride (SM 4500 Cl- E)	4.9		1.0	mg/L		04/16/25 08:49	1	ALS

Client Sample ID: B-103D_20250414

Lab Sample ID: 475-2724-2

Date Collected: 04/14/25 14:26

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/17/25 02:46	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/17/25 02:46	1	SLH
4-Bromofluorobenzene (Surr)	103		70 - 130			04/17/25 02:46	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 03:28	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 03:28	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 03:28	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 03:28	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 03:28	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 03:28	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 03:28	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 03:28	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 03:28	1	AMF
Acetone	<10		10	ug/L		04/17/25 03:28	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-103D_20250414

Lab Sample ID: 475-2724-2

Date Collected: 04/14/25 14:26

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 03:28	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 03:28	1	AMF
Bromomethane	<2.0	*-	2.0	ug/L		04/17/25 03:28	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 03:28	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 03:28	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 03:28	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 03:28	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 03:28	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 03:28	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 03:28	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 03:28	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 03:28	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 03:28	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 03:28	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 03:28	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 03:28	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 03:28	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 03:28	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 03:28	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	103		70 - 130	04/17/25 03:28	1	AMF
1,2-Dichloroethane-d4 (Surr)	106		70 - 130	04/17/25 03:28	1	AMF
4-Bromofluorobenzene (Surr)	102		70 - 130	04/17/25 03:28	1	AMF
Toluene-d8 (Surr)	101		70 - 130	04/17/25 03:28	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-103D_20250414

Lab Sample ID: 475-2724-2

Date Collected: 04/14/25 14:26

Matrix: Water

Date Received: 04/15/25 13:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/16/25 15:56	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	3.3		0.050	mg/L		04/16/25 18:19	1	DS
Manganese	1.1		0.0050	mg/L		04/16/25 18:19	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 08:51	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 15:41	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/18/25 14:00	1	SRG
Chloride (SM 4500 Cl- E)	2.7		1.0	mg/L		04/16/25 08:51	1	ALS

Client Sample ID: B-304UR_20250414

Lab Sample ID: 475-2724-3

Date Collected: 04/14/25 10:50

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/17/25 03:13	1	SLH

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130	04/17/25 03:13	1	SLH
4-Bromofluorobenzene (Surr)	103		70 - 130	04/17/25 03:13	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
1,1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 03:52	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 03:52	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 03:52	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 03:52	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 03:52	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 03:52	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-304UR_20250414

Lab Sample ID: 475-2724-3

Date Collected: 04/14/25 10:50

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
2-Butanone (MEK)	<10		10	ug/L		04/17/25 03:52	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 03:52	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 03:52	1	AMF
Acetone	<10		10	ug/L		04/17/25 03:52	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 03:52	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 03:52	1	AMF
Bromomethane	<2.0	*-	2.0	ug/L		04/17/25 03:52	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 03:52	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 03:52	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 03:52	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 03:52	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 03:52	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 03:52	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 03:52	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 03:52	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 03:52	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 03:52	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 03:52	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 03:52	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 03:52	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 03:52	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 03:52	1	AMF

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-304UR_20250414

Lab Sample ID: 475-2724-3

Date Collected: 04/14/25 10:50

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 03:52	1	AMF
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	102		70 - 130			04/17/25 03:52	1	AMF
1,2-Dichloroethane-d4 (Surr)	104		70 - 130			04/17/25 03:52	1	AMF
4-Bromofluorobenzene (Surr)	100		70 - 130			04/17/25 03:52	1	AMF
Toluene-d8 (Surr)	104		70 - 130			04/17/25 03:52	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/16/25 16:11	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 18:24	1	DS
Manganese	<0.0050		0.0050	mg/L		04/16/25 18:24	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	2.4		0.50	mg/L		04/15/25 17:13	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 15:44	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/18/25 14:00	1	SRG
Chloride (SM 4500 Cl- E)	14		1.0	mg/L		04/16/25 09:52	1	ALS

Client Sample ID: B-304DR_20250414

Lab Sample ID: 475-2724-4

Date Collected: 04/14/25 10:57

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/17/25 03:39	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/17/25 03:39	1	SLH
4-Bromofluorobenzene (Surr)	103		70 - 130			04/17/25 03:39	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
1,1,1,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 04:17	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 04:17	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 04:17	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 04:17	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 04:17	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-304DR_20250414

Lab Sample ID: 475-2724-4

Date Collected: 04/14/25 10:57

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 04:17	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 04:17	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 04:17	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 04:17	1	AMF
Acetone	<10		10	ug/L		04/17/25 04:17	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 04:17	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 04:17	1	AMF
Bromomethane	<2.0	*	2.0	ug/L		04/17/25 04:17	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 04:17	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 04:17	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 04:17	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 04:17	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 04:17	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 04:17	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 04:17	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 04:17	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 04:17	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 04:17	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-304DR_20250414

Lab Sample ID: 475-2724-4

Date Collected: 04/14/25 10:57

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 04:17	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 04:17	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 04:17	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 04:17	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 04:17	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 04:17	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	102		70 - 130	04/17/25 04:17	1	AMF
1,2-Dichloroethane-d4 (Surr)	106		70 - 130	04/17/25 04:17	1	AMF
4-Bromofluorobenzene (Surr)	99		70 - 130	04/17/25 04:17	1	AMF
Toluene-d8 (Surr)	102		70 - 130	04/17/25 04:17	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/16/25 16:25	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 18:28	1	DS
Manganese	2.6		0.0050	mg/L		04/16/25 18:28	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/15/25 17:15	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 15:47	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/18/25 14:00	1	SRG
Chloride (SM 4500 Cl- E)	16		1.0	mg/L		04/16/25 10:05	1	ALS

Client Sample ID: Dup-1_20250414

Lab Sample ID: 475-2724-5

Date Collected: 04/14/25 10:57

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/17/25 04:06	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/17/25 04:06	1	SLH
4-Bromofluorobenzene (Surr)	103		70 - 130			04/17/25 04:06	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: Dup-1_20250414

Lab Sample ID: 475-2724-5

Date Collected: 04/14/25 10:57

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 04:42	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 04:42	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 04:42	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 04:42	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 04:42	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 04:42	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 04:42	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 04:42	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 04:42	1	AMF
Acetone	<10		10	ug/L		04/17/25 04:42	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 04:42	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 04:42	1	AMF
Bromomethane	<2.0	*	2.0	ug/L		04/17/25 04:42	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 04:42	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 04:42	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 04:42	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 04:42	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 04:42	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 04:42	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 04:42	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 04:42	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 04:42	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: Dup-1_20250414

Lab Sample ID: 475-2724-5

Date Collected: 04/14/25 10:57

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 04:42	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 04:42	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 04:42	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 04:42	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 04:42	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 04:42	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 04:42	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	103		70 - 130	04/17/25 04:42	1	AMF
1,2-Dichloroethane-d4 (Surr)	105		70 - 130	04/17/25 04:42	1	AMF
4-Bromofluorobenzene (Surr)	100		70 - 130	04/17/25 04:42	1	AMF
Toluene-d8 (Surr)	103		70 - 130	04/17/25 04:42	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/16/25 16:39	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 18:33	1	DS
Manganese	2.6		0.0050	mg/L		04/16/25 18:33	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/15/25 17:16	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 15:50	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/18/25 14:00	1	SRG
Chloride (SM 4500 Cl- E)	15		1.0	mg/L		04/16/25 10:06	1	ALS

Client Sample ID: MW-802_20250414

Lab Sample ID: 475-2724-6

Date Collected: 04/14/25 15:14

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/17/25 04:32	1	SLH

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: MW-802_20250414

Lab Sample ID: 475-2724-6

Date Collected: 04/14/25 15:14

Matrix: Water

Date Received: 04/15/25 13:00

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130	04/17/25 04:32	1	SLH
4-Bromofluorobenzene (Surr)	102		70 - 130	04/17/25 04:32	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 05:07	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 05:07	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 05:07	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 05:07	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 05:07	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 05:07	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 05:07	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 05:07	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 05:07	1	AMF
Acetone	<10		10	ug/L		04/17/25 05:07	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 05:07	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 05:07	1	AMF
Bromomethane	<2.0	*	2.0	ug/L		04/17/25 05:07	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 05:07	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 05:07	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 05:07	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 05:07	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: MW-802_20250414

Lab Sample ID: 475-2724-6

Date Collected: 04/14/25 15:14

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 05:07	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 05:07	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 05:07	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 05:07	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 05:07	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 05:07	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 05:07	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 05:07	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 05:07	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 05:07	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 05:07	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 05:07	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	102		70 - 130	04/17/25 05:07	1	AMF
1,2-Dichloroethane-d4 (Surr)	104		70 - 130	04/17/25 05:07	1	AMF
4-Bromofluorobenzene (Surr)	101		70 - 130	04/17/25 05:07	1	AMF
Toluene-d8 (Surr)	102		70 - 130	04/17/25 05:07	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/16/25 16:54	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	2.9		0.050	mg/L		04/16/25 18:37	1	DS
Manganese	2.2		0.0050	mg/L		04/16/25 18:37	1	DS
Arsenic	0.0084		0.0010	mg/L		04/16/25 18:37	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 08:52	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 15:53	1	EWG
Chemical Oxygen Demand (8000)	18		10	mg/L		04/18/25 14:00	1	SRG

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: MW-802_20250414

Lab Sample ID: 475-2724-6

Date Collected: 04/14/25 15:14

Matrix: Water

Date Received: 04/15/25 13:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Chloride (SM 4500 Cl- E)	10		1.0	mg/L		04/16/25 08:52	1	ALS

Client Sample ID: MW-803_20250414

Lab Sample ID: 475-2724-7

Date Collected: 04/14/25 16:08

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/17/25 04:58	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/17/25 04:58	1	SLH
4-Bromofluorobenzene (Surr)	104		70 - 130			04/17/25 04:58	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 05:31	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 05:31	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 05:31	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 05:31	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 05:31	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 05:31	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 05:31	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 05:31	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 05:31	1	AMF
Acetone	<10		10	ug/L		04/17/25 05:31	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 05:31	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 05:31	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: MW-803_20250414

Lab Sample ID: 475-2724-7

Date Collected: 04/14/25 16:08

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromomethane	<2.0	*-	2.0	ug/L		04/17/25 05:31	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 05:31	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 05:31	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 05:31	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 05:31	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 05:31	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 05:31	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 05:31	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 05:31	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 05:31	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 05:31	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 05:31	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 05:31	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 05:31	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 05:31	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 05:31	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 05:31	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	103		70 - 130	04/17/25 05:31	1	AMF
1,2-Dichloroethane-d4 (Surr)	105		70 - 130	04/17/25 05:31	1	AMF
4-Bromofluorobenzene (Surr)	101		70 - 130	04/17/25 05:31	1	AMF
Toluene-d8 (Surr)	103		70 - 130	04/17/25 05:31	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	0.14		0.10	mg/L		04/16/25 17:08	1	SRG

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: MW-803_20250414

Lab Sample ID: 475-2724-7

Date Collected: 04/14/25 16:08

Matrix: Water

Date Received: 04/15/25 13:00

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	57		0.050	mg/L		04/16/25 18:42	1	DS
Manganese	5.8		0.0050	mg/L		04/16/25 18:42	1	DS
Arsenic	0.063		0.0010	mg/L		04/16/25 18:42	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 08:54	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	2.4		0.50	mg/L		04/18/25 15:56	1	EWG
Chemical Oxygen Demand (8000)	76		10	mg/L		04/18/25 14:00	1	SRG
Chloride (SM 4500 Cl- E)	7.0		1.0	mg/L		04/16/25 08:54	1	ALS

Client Sample ID: Dup-2_20250414

Lab Sample ID: 475-2724-8

Date Collected: 04/14/25 16:08

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/17/25 05:25	1	SLH

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130	04/17/25 05:25	1	SLH
4-Bromofluorobenzene (Surr)	104		70 - 130	04/17/25 05:25	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 05:56	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 05:56	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 05:56	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 05:56	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 05:56	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 05:56	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 05:56	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 05:56	1	AMF

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: Dup-2_20250414

Lab Sample ID: 475-2724-8

Date Collected: 04/14/25 16:08

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 05:56	1	AMF
Acetone	<10		10	ug/L		04/17/25 05:56	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 05:56	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 05:56	1	AMF
Bromomethane	<2.0	*	2.0	ug/L		04/17/25 05:56	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 05:56	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 05:56	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 05:56	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 05:56	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 05:56	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 05:56	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 05:56	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 05:56	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 05:56	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 05:56	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 05:56	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 05:56	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 05:56	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 05:56	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 05:56	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 05:56	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	103		70 - 130	04/17/25 05:56	1	AMF

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: Dup-2_20250414

Lab Sample ID: 475-2724-8

Date Collected: 04/14/25 16:08

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichloroethane-d4 (Surr)	105		70 - 130	04/17/25 05:56	1	AMF
4-Bromofluorobenzene (Surr)	102		70 - 130	04/17/25 05:56	1	AMF
Toluene-d8 (Surr)	103		70 - 130	04/17/25 05:56	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	0.13		0.10	mg/L		04/16/25 17:23	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	56		0.050	mg/L		04/16/25 18:47	1	DS
Manganese	5.8		0.0050	mg/L		04/16/25 18:47	1	DS
Arsenic	0.059		0.0010	mg/L		04/16/25 18:47	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 08:55	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	2.3		0.50	mg/L		04/18/25 15:59	1	EWG
Chemical Oxygen Demand (8000)	68		10	mg/L		04/18/25 14:00	1	SRG
Chloride (SM 4500 Cl- E)	7.5		1.0	mg/L		04/16/25 08:55	1	ALS

Client Sample ID: B-919U_20250414

Lab Sample ID: 475-2724-9

Date Collected: 04/14/25 08:45

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/17/25 05:51	1	SLH

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130	04/17/25 05:51	1	SLH
4-Bromofluorobenzene (Surr)	102		70 - 130	04/17/25 05:51	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 06:20	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 06:20	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 06:20	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 06:20	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 06:20	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-919U_20250414

Lab Sample ID: 475-2724-9

Date Collected: 04/14/25 08:45

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 06:20	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 06:20	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 06:20	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 06:20	1	AMF
Acetone	<10		10	ug/L		04/17/25 06:20	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 06:20	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 06:20	1	AMF
Bromomethane	<2.0	*	2.0	ug/L		04/17/25 06:20	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 06:20	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 06:20	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 06:20	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 06:20	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 06:20	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 06:20	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 06:20	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 06:20	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 06:20	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 06:20	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 06:20	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 06:20	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-919U_20250414

Lab Sample ID: 475-2724-9

Date Collected: 04/14/25 08:45

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 06:20	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 06:20	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 06:20	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 06:20	1	AMF
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	102		70 - 130			04/17/25 06:20	1	AMF
1,2-Dichloroethane-d4 (Surr)	106		70 - 130			04/17/25 06:20	1	AMF
4-Bromofluorobenzene (Surr)	100		70 - 130			04/17/25 06:20	1	AMF
Toluene-d8 (Surr)	102		70 - 130			04/17/25 06:20	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/16/25 17:37	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	0.076		0.050	mg/L		04/16/25 18:51	1	DS
Manganese	<0.0050		0.0050	mg/L		04/16/25 18:51	1	DS
Arsenic	<0.0010		0.0010	mg/L		04/16/25 18:51	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/15/25 17:19	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 16:54	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/18/25 14:00	1	SRG
Chloride (SM 4500 Cl- E)	5.4		1.0	mg/L		04/16/25 10:08	1	ALS

Client Sample ID: B-919M_20250414

Lab Sample ID: 475-2724-10

Date Collected: 04/14/25 09:15

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/17/25 06:18	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/17/25 06:18	1	SLH
4-Bromofluorobenzene (Surr)	102		70 - 130			04/17/25 06:18	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 06:45	1	AMF

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-919M_20250414

Lab Sample ID: 475-2724-10

Date Collected: 04/14/25 09:15

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 06:45	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 06:45	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 06:45	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 06:45	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 06:45	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 06:45	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 06:45	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 06:45	1	AMF
Acetone	<10		10	ug/L		04/17/25 06:45	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 06:45	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 06:45	1	AMF
Bromomethane	<2.0	*	2.0	ug/L		04/17/25 06:45	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 06:45	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 06:45	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 06:45	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 06:45	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 06:45	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 06:45	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 06:45	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 06:45	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 06:45	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-919M_20250414

Lab Sample ID: 475-2724-10

Date Collected: 04/14/25 09:15

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 06:45	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 06:45	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 06:45	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 06:45	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 06:45	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 06:45	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 06:45	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	104		70 - 130	04/17/25 06:45	1	AMF
1,2-Dichloroethane-d4 (Surr)	106		70 - 130	04/17/25 06:45	1	AMF
4-Bromofluorobenzene (Surr)	101		70 - 130	04/17/25 06:45	1	AMF
Toluene-d8 (Surr)	102		70 - 130	04/17/25 06:45	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/16/25 17:52	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	10		0.050	mg/L		04/16/25 18:56	1	DS
Manganese	3.8		0.0050	mg/L		04/16/25 18:56	1	DS
Arsenic	0.048		0.0010	mg/L		04/16/25 18:56	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/15/25 17:23	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 17:03	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/18/25 14:00	1	SRG
Chloride (SM 4500 Cl- E)	2.1		1.0	mg/L		04/16/25 10:09	1	ALS

Client Sample ID: B-927U_20250414

Lab Sample ID: 475-2724-11

Date Collected: 04/14/25 09:45

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/17/25 06:44	1	SLH

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-927U_20250414

Lab Sample ID: 475-2724-11

Date Collected: 04/14/25 09:45

Matrix: Water

Date Received: 04/15/25 13:00

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130	04/17/25 06:44	1	SLH
4-Bromofluorobenzene (Surr)	102		70 - 130	04/17/25 06:44	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 07:10	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 07:10	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 07:10	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 07:10	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 07:10	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 07:10	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 07:10	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 07:10	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 07:10	1	AMF
Acetone	<10		10	ug/L		04/17/25 07:10	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 07:10	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 07:10	1	AMF
Bromomethane	<2.0	*	2.0	ug/L		04/17/25 07:10	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 07:10	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 07:10	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 07:10	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 07:10	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-927U_20250414

Lab Sample ID: 475-2724-11

Date Collected: 04/14/25 09:45

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 07:10	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 07:10	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 07:10	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 07:10	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 07:10	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 07:10	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 07:10	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 07:10	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 07:10	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 07:10	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 07:10	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 07:10	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	104		70 - 130	04/17/25 07:10	1	AMF
1,2-Dichloroethane-d4 (Surr)	110		70 - 130	04/17/25 07:10	1	AMF
4-Bromofluorobenzene (Surr)	102		70 - 130	04/17/25 07:10	1	AMF
Toluene-d8 (Surr)	101		70 - 130	04/17/25 07:10	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/16/25 18:06	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 19:37	1	DS
Manganese	<0.0050		0.0050	mg/L		04/16/25 19:37	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	2.5		0.50	mg/L		04/15/25 17:24	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 17:06	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/18/25 14:00	1	SRG
Chloride (SM 4500 Cl- E)	49		1.0	mg/L		04/16/25 10:11	1	ALS

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-927M_20250414

Lab Sample ID: 475-2724-12

Date Collected: 04/14/25 10:00

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/18/25 12:25	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/18/25 12:25	1	SLH
4-Bromofluorobenzene (Surr)	101		70 - 130			04/18/25 12:25	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 15:37	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 15:37	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 15:37	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 15:37	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 15:37	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 15:37	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 15:37	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 15:37	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 15:37	1	AMF
Acetone	<10		10	ug/L		04/17/25 15:37	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 15:37	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 15:37	1	AMF
Bromomethane	<2.0		2.0	ug/L		04/17/25 15:37	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 15:37	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 15:37	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 15:37	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-927M_20250414

Lab Sample ID: 475-2724-12

Date Collected: 04/14/25 10:00

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 15:37	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
Dichlorodifluoromethane	18		2.0	ug/L		04/17/25 15:37	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 15:37	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 15:37	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 15:37	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 15:37	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 15:37	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 15:37	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 15:37	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 15:37	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 15:37	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 15:37	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 15:37	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	101		70 - 130	04/17/25 15:37	1	AMF
1,2-Dichloroethane-d4 (Surr)	103		70 - 130	04/17/25 15:37	1	AMF
4-Bromofluorobenzene (Surr)	99		70 - 130	04/17/25 15:37	1	AMF
Toluene-d8 (Surr)	101		70 - 130	04/17/25 15:37	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/16/25 19:33	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	2.3		0.050	mg/L		04/16/25 19:42	1	DS
Manganese	0.23		0.0050	mg/L		04/16/25 19:42	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/15/25 17:26	1	SRG

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-927M_20250414

Lab Sample ID: 475-2724-12

Date Collected: 04/14/25 10:00

Matrix: Water

Date Received: 04/15/25 13:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/22/25 16:05	1	EWG
Chemical Oxygen Demand (8000)	44		10	mg/L		04/18/25 14:00	1	SRG
Chloride (SM 4500 Cl- E)	3.9		1.0	mg/L		04/16/25 10:12	1	ALS

Client Sample ID: B-928U_20250414

Lab Sample ID: 475-2724-13

Date Collected: 04/14/25 12:52

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/18/25 12:51	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/18/25 12:51	1	SLH
4-Bromofluorobenzene (Surr)	101		70 - 130			04/18/25 12:51	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 07:35	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 07:35	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 07:35	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 07:35	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 07:35	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 07:35	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 07:35	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 07:35	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 07:35	1	AMF
Acetone	<10		10	ug/L		04/17/25 07:35	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-928U_20250414

Lab Sample ID: 475-2724-13

Date Collected: 04/14/25 12:52

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 07:35	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 07:35	1	AMF
Bromomethane	<2.0	*-	2.0	ug/L		04/17/25 07:35	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 07:35	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 07:35	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 07:35	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 07:35	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 07:35	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 07:35	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 07:35	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 07:35	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 07:35	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 07:35	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 07:35	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 07:35	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 07:35	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 07:35	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 07:35	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 07:35	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	103		70 - 130	04/17/25 07:35	1	AMF
1,2-Dichloroethane-d4 (Surr)	106		70 - 130	04/17/25 07:35	1	AMF
4-Bromofluorobenzene (Surr)	102		70 - 130	04/17/25 07:35	1	AMF
Toluene-d8 (Surr)	103		70 - 130	04/17/25 07:35	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-928U_20250414

Lab Sample ID: 475-2724-13

Date Collected: 04/14/25 12:52

Matrix: Water

Date Received: 04/15/25 13:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/16/25 19:47	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 19:46	1	DS
Manganese	<0.0050		0.0050	mg/L		04/16/25 19:46	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	1.6		0.50	mg/L		04/16/25 08:56	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 16:11	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/18/25 14:00	1	SRG
Chloride (SM 4500 Cl- E)	14		1.0	mg/L		04/16/25 08:56	1	ALS

Client Sample ID: B-928D_20250414

Lab Sample ID: 475-2724-14

Date Collected: 04/14/25 12:57

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/22/25 12:24	1	SLH

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	99		70 - 130	04/22/25 12:24	1	SLH
4-Bromofluorobenzene (Surr)	101		70 - 130	04/22/25 12:24	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
1,1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
1,1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 08:00	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 08:00	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 08:00	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 08:00	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 08:00	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 08:00	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-928D_20250414

Lab Sample ID: 475-2724-14

Date Collected: 04/14/25 12:57

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
2-Butanone (MEK)	<10		10	ug/L		04/17/25 08:00	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 08:00	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 08:00	1	AMF
Acetone	<10		10	ug/L		04/17/25 08:00	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 08:00	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 08:00	1	AMF
Bromomethane	<2.0	*-	2.0	ug/L		04/17/25 08:00	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 08:00	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 08:00	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 08:00	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 08:00	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 08:00	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 08:00	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 08:00	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 08:00	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 08:00	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 08:00	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 08:00	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 08:00	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 08:00	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 08:00	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 08:00	1	AMF

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: B-928D_20250414

Lab Sample ID: 475-2724-14

Date Collected: 04/14/25 12:57

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 08:00	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	103		70 - 130	04/17/25 08:00	1	AMF
1,2-Dichloroethane-d4 (Surr)	105		70 - 130	04/17/25 08:00	1	AMF
4-Bromofluorobenzene (Surr)	100		70 - 130	04/17/25 08:00	1	AMF
Toluene-d8 (Surr)	103		70 - 130	04/17/25 08:00	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/16/25 20:02	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 19:51	1	DS
Manganese	<0.0050		0.0050	mg/L		04/16/25 19:51	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	1.3		0.50	mg/L		04/16/25 08:58	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 16:14	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/18/25 14:00	1	SRG
Chloride (SM 4500 Cl- E)	13		1.0	mg/L		04/16/25 08:58	1	ALS

Client Sample ID: TB-GW-01_20250414

Lab Sample ID: 475-2724-15

Date Collected: 04/14/25 16:30

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
1,1,1,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 02:38	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 02:38	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 02:38	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 02:38	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 02:38	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 02:38	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: TB-GW-01_20250414

Lab Sample ID: 475-2724-15

Date Collected: 04/14/25 16:30

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 02:38	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 02:38	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 02:38	1	AMF
Acetone	<10		10	ug/L		04/17/25 02:38	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 02:38	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 02:38	1	AMF
Bromomethane	<2.0	*-	2.0	ug/L		04/17/25 02:38	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 02:38	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 02:38	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 02:38	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 02:38	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 02:38	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 02:38	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 02:38	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 02:38	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 02:38	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 02:38	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 02:38	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 02:38	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 02:38	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 02:38	1	AMF

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Client Sample ID: TB-GW-01_20250414

Lab Sample ID: 475-2724-15

Date Collected: 04/14/25 16:30

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Trichloroethene	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 02:38	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 02:38	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	102		70 - 130	04/17/25 02:38	1	AMF
1,2-Dichloroethane-d4 (Surr)	106		70 - 130	04/17/25 02:38	1	AMF
4-Bromofluorobenzene (Surr)	101		70 - 130	04/17/25 02:38	1	AMF
Toluene-d8 (Surr)	102		70 - 130	04/17/25 02:38	1	AMF

Client Sample ID: TB-LL-GW-01_20250414

Lab Sample ID: 475-2724-16

Date Collected: 04/14/25 16:30

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/18/25 11:32	1	SLH

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	99		70 - 130	04/18/25 11:32	1	SLH
4-Bromofluorobenzene (Surr)	100		70 - 130	04/18/25 11:32	1	SLH

QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 475-3376/28

Matrix: Water

Analysis Batch: 3376

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.20		0.20	ug/L			04/16/25 23:41	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130				04/16/25 23:41	1
4-Bromofluorobenzene (Surr)	102		70 - 130				04/16/25 23:41	1

Lab Sample ID: LCS 475-3376/26

Matrix: Water

Analysis Batch: 3376

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	5.00	5.12		ug/L		102	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	100		70 - 130				
4-Bromofluorobenzene (Surr)	102		70 - 130				

Lab Sample ID: LCSD 475-3376/27

Matrix: Water

Analysis Batch: 3376

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	5.00	5.10		ug/L		102	70 - 130	0	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	100		70 - 130						
4-Bromofluorobenzene (Surr)	103		70 - 130						

Lab Sample ID: MB 475-3705/4

Matrix: Water

Analysis Batch: 3705

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.20		0.20	ug/L			04/22/25 11:26	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130				04/22/25 11:26	1
4-Bromofluorobenzene (Surr)	103		70 - 130				04/22/25 11:26	1

Lab Sample ID: LCS 475-3705/2

Matrix: Water

Analysis Batch: 3705

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	5.00	5.58		ug/L		112	70 - 130

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Method: 8260B SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 475-3705/2

Matrix: Water

Analysis Batch: 3705

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 475-3705/3

Matrix: Water

Analysis Batch: 3705

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	5.00	5.48		ug/L		110	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 475-3706/4

Matrix: Water

Analysis Batch: 3706

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.25		0.25	ug/L			04/18/25 11:01	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
Toluene-d8 (Surr)	100		70 - 130		04/18/25 11:01	1
4-Bromofluorobenzene (Surr)	101		70 - 130		04/18/25 11:01	1

Lab Sample ID: LCS 475-3706/2

Matrix: Water

Analysis Batch: 3706

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	5.00	5.27		ug/L		105	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 475-3706/3

Matrix: Water

Analysis Batch: 3706

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	5.00	5.40		ug/L		108	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 475-3512/5

Matrix: Water

Analysis Batch: 3512

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0	ug/L			04/17/25 02:13	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L			04/17/25 02:13	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			04/17/25 02:13	1
1,1-Dichloroethane	<1.0		1.0	ug/L			04/17/25 02:13	1
1,1-Dichloroethene	<0.50		0.50	ug/L			04/17/25 02:13	1
1,1-Dichloropropene	<1.0		1.0	ug/L			04/17/25 02:13	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			04/17/25 02:13	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			04/17/25 02:13	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L			04/17/25 02:13	1
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L			04/17/25 02:13	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
1,2-Dichloroethane	<1.0		1.0	ug/L			04/17/25 02:13	1
1,2-Dichloropropane	<1.0		1.0	ug/L			04/17/25 02:13	1
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
1,3-Dichloropropane	<1.0		1.0	ug/L			04/17/25 02:13	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
1,4-Dioxane	<50		50	ug/L			04/17/25 02:13	1
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L			04/17/25 02:13	1
2,2-Dichloropropane	<1.0		1.0	ug/L			04/17/25 02:13	1
2-Butanone (MEK)	<10		10	ug/L			04/17/25 02:13	1
2-Chlorotoluene	<1.0		1.0	ug/L			04/17/25 02:13	1
2-Hexanone	<10		10	ug/L			04/17/25 02:13	1
4-Chlorotoluene	<1.0		1.0	ug/L			04/17/25 02:13	1
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L			04/17/25 02:13	1
Acetone	<10		10	ug/L			04/17/25 02:13	1
Benzene	<1.0		1.0	ug/L			04/17/25 02:13	1
Bromobenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
Bromochloromethane	<1.0		1.0	ug/L			04/17/25 02:13	1
Bromodichloromethane	<0.50		0.50	ug/L			04/17/25 02:13	1
Bromoform	<2.0		2.0	ug/L			04/17/25 02:13	1
Bromomethane	<2.0		2.0	ug/L			04/17/25 02:13	1
Carbon disulfide	<2.0		2.0	ug/L			04/17/25 02:13	1
Carbon tetrachloride	<1.0		1.0	ug/L			04/17/25 02:13	1
Chlorobenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
Chloroethane	<2.0		2.0	ug/L			04/17/25 02:13	1
Chloroform	<1.0		1.0	ug/L			04/17/25 02:13	1
Chloromethane	<2.0		2.0	ug/L			04/17/25 02:13	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			04/17/25 02:13	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			04/17/25 02:13	1
Dibromochloromethane	<1.0		1.0	ug/L			04/17/25 02:13	1
Dibromomethane	<1.0		1.0	ug/L			04/17/25 02:13	1
Dichlorodifluoromethane	<2.0		2.0	ug/L			04/17/25 02:13	1
Diethyl ether	<2.0		2.0	ug/L			04/17/25 02:13	1
Ethylbenzene	<1.0		1.0	ug/L			04/17/25 02:13	1

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 475-3512/5

Matrix: Water

Analysis Batch: 3512

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L			04/17/25 02:13	1
Hexachlorobutadiene	<0.50		0.50	ug/L			04/17/25 02:13	1
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L			04/17/25 02:13	1
Isopropylbenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
m,p-Xylene	<1.0		1.0	ug/L			04/17/25 02:13	1
Methylene Chloride	<1.0		1.0	ug/L			04/17/25 02:13	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			04/17/25 02:13	1
Naphthalene	<2.0		2.0	ug/L			04/17/25 02:13	1
n-Butylbenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
N-Propylbenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
o-Xylene	<1.0		1.0	ug/L			04/17/25 02:13	1
p-Isopropyltoluene	<1.0		1.0	ug/L			04/17/25 02:13	1
sec-Butylbenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
Styrene	<1.0		1.0	ug/L			04/17/25 02:13	1
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L			04/17/25 02:13	1
tert-Butyl alcohol (TBA)	<30		30	ug/L			04/17/25 02:13	1
tert-Butylbenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
Tetrachloroethene	<1.0		1.0	ug/L			04/17/25 02:13	1
Tetrahydrofuran (THF)	<10		10	ug/L			04/17/25 02:13	1
Toluene	<1.0		1.0	ug/L			04/17/25 02:13	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			04/17/25 02:13	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			04/17/25 02:13	1
Trichloroethene	<1.0		1.0	ug/L			04/17/25 02:13	1
Trichlorofluoromethane	<2.0		2.0	ug/L			04/17/25 02:13	1
Vinyl chloride	<1.0		1.0	ug/L			04/17/25 02:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	102		70 - 130		04/17/25 02:13	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		04/17/25 02:13	1
4-Bromofluorobenzene (Surr)	103		70 - 130		04/17/25 02:13	1
Toluene-d8 (Surr)	101		70 - 130		04/17/25 02:13	1

Lab Sample ID: LCS 475-3512/2

Matrix: Water

Analysis Batch: 3512

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	21.5		ug/L		108	70 - 130
1,1,2,2-Tetrachloroethane	20.0	22.7		ug/L		114	70 - 130
1,1,2-Trichloroethane	20.0	22.7		ug/L		114	70 - 130
1,1-Dichloroethane	20.0	22.2		ug/L		111	70 - 130
1,1-Dichloroethene	20.0	21.9		ug/L		110	70 - 130
1,1-Dichloropropene	20.0	22.3		ug/L		111	70 - 130
1,2,3-Trichlorobenzene	20.0	23.5		ug/L		117	70 - 130
1,2,3-Trichloropropane	20.0	22.0		ug/L		110	70 - 130
1,2,4-Trichlorobenzene	20.0	21.5		ug/L		108	70 - 130
1,2,4-Trimethylbenzene	20.0	20.7		ug/L		103	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	23.8		ug/L		119	70 - 130

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 475-3512/2

Matrix: Water

Analysis Batch: 3512

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	20.0	22.7		ug/L		114	70 - 130
1,2-Dichlorobenzene	20.0	21.9		ug/L		110	70 - 130
1,2-Dichloroethane	20.0	21.8		ug/L		109	70 - 130
1,2-Dichloropropane	20.0	22.3		ug/L		112	70 - 130
1,3,5-Trichlorobenzene	20.0	21.7		ug/L		109	70 - 130
1,3,5-Trimethylbenzene	20.0	20.3		ug/L		102	70 - 130
1,3-Dichlorobenzene	20.0	21.2		ug/L		106	70 - 130
1,3-Dichloropropane	20.0	22.3		ug/L		111	70 - 130
1,4-Dichlorobenzene	20.0	21.2		ug/L		106	70 - 130
1,4-Dioxane	20.0	25.5	J	ug/L		127	40 - 160
1,1,1,2-Tetrachloroethane (Surr)	20.0	21.4		ug/L		107	70 - 130
2,2-Dichloropropane	20.0	20.4		ug/L		102	70 - 130
2-Butanone (MEK)	20.0	23.7		ug/L		119	40 - 160
2-Chlorotoluene	20.0	20.7		ug/L		103	70 - 130
2-Hexanone	20.0	24.8		ug/L		124	40 - 160
4-Chlorotoluene	20.0	21.3		ug/L		106	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	22.2		ug/L		111	40 - 160
Acetone	20.0	20.0		ug/L		100	40 - 160
Benzene	20.0	21.7		ug/L		109	70 - 130
Bromobenzene	20.0	21.3		ug/L		106	70 - 130
Bromochloromethane	20.0	21.8		ug/L		109	70 - 130
Bromodichloromethane	20.0	20.5		ug/L		102	70 - 130
Bromoform	20.0	22.8		ug/L		114	70 - 130
Bromomethane	20.0	6.32	*-	ug/L		32	40 - 160
Carbon disulfide	20.0	19.0		ug/L		95	70 - 130
Carbon tetrachloride	20.0	21.9		ug/L		110	70 - 130
Chlorobenzene	20.0	21.7		ug/L		108	70 - 130
Chloroethane	20.0	19.2		ug/L		96	70 - 130
Chloroform	20.0	20.5		ug/L		103	70 - 130
Chloromethane	20.0	19.8		ug/L		99	40 - 160
cis-1,2-Dichloroethene	20.0	21.4		ug/L		107	70 - 130
cis-1,3-Dichloropropene	20.0	20.7		ug/L		104	70 - 130
Dibromochloromethane	20.0	21.3		ug/L		106	70 - 130
Dibromomethane	20.0	21.9		ug/L		110	70 - 130
Dichlorodifluoromethane	20.0	24.5		ug/L		122	40 - 160
Diethyl ether	20.0	22.7		ug/L		114	70 - 130
Ethylbenzene	20.0	21.5		ug/L		108	70 - 130
Ethyl-t-butyl ether (ETBE)	20.0	22.4		ug/L		112	70 - 130
Hexachlorobutadiene	20.0	19.9		ug/L		99	70 - 130
Isopropyl Ether (DIPE)	20.0	21.8		ug/L		109	70 - 130
Isopropylbenzene	20.0	18.7		ug/L		94	70 - 130
m,p-Xylene	40.0	42.7		ug/L		107	70 - 130
Methylene Chloride	20.0	21.0		ug/L		105	70 - 130
Methyl-t-Butyl Ether (MTBE)	20.0	21.8		ug/L		109	70 - 130
Naphthalene	20.0	23.6		ug/L		118	70 - 130
n-Butylbenzene	20.0	20.6		ug/L		103	70 - 130
N-Propylbenzene	20.0	21.0		ug/L		105	70 - 130
o-Xylene	20.0	21.5		ug/L		107	70 - 130
p-Isopropyltoluene	20.0	21.0		ug/L		105	70 - 130

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 475-3512/2

Matrix: Water

Analysis Batch: 3512

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
sec-Butylbenzene	20.0	21.2		ug/L		106	70 - 130
Styrene	20.0	22.0		ug/L		110	70 - 130
tert-Amyl Methyl Ether (TAME)	20.0	22.0		ug/L		110	70 - 130
tert-Butyl alcohol (TBA)	100	124		ug/L		124	70 - 130
tert-Butylbenzene	20.0	20.4		ug/L		102	70 - 130
Tetrachloroethene	20.0	21.7		ug/L		109	70 - 130
Tetrahydrofuran (THF)	20.0	22.5		ug/L		113	70 - 130
Toluene	20.0	22.2		ug/L		111	70 - 130
trans-1,2-Dichloroethene	20.0	21.3		ug/L		107	70 - 130
trans-1,3-Dichloropropene	20.0	23.1		ug/L		115	70 - 130
Trichloroethene	20.0	21.6		ug/L		108	70 - 130
Trichlorofluoromethane	20.0	22.5		ug/L		113	70 - 130
Vinyl chloride	20.0	20.6		ug/L		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	105		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCSD 475-3512/3

Matrix: Water

Analysis Batch: 3512

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	21.7		ug/L		108	70 - 130	1	20
1,1,2,2-Tetrachloroethane	20.0	22.1		ug/L		110	70 - 130	3	20
1,1,2-Trichloroethane	20.0	22.3		ug/L		112	70 - 130	2	20
1,1-Dichloroethane	20.0	22.2		ug/L		111	70 - 130	0	20
1,1-Dichloroethene	20.0	22.0		ug/L		110	70 - 130	0	20
1,1-Dichloropropene	20.0	22.4		ug/L		112	70 - 130	0	20
1,2,3-Trichlorobenzene	20.0	23.0		ug/L		115	70 - 130	2	20
1,2,3-Trichloropropane	20.0	21.6		ug/L		108	70 - 130	2	20
1,2,4-Trichlorobenzene	20.0	21.1		ug/L		106	70 - 130	2	20
1,2,4-Trimethylbenzene	20.0	20.3		ug/L		102	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	20.0	23.2		ug/L		116	70 - 130	3	20
1,2-Dibromoethane (EDB)	20.0	22.1		ug/L		110	70 - 130	3	20
1,2-Dichlorobenzene	20.0	21.4		ug/L		107	70 - 130	2	20
1,2-Dichloroethane	20.0	21.7		ug/L		109	70 - 130	1	20
1,2-Dichloropropane	20.0	22.0		ug/L		110	70 - 130	2	20
1,3,5-Trichlorobenzene	20.0	21.4		ug/L		107	70 - 130	1	20
1,3,5-Trimethylbenzene	20.0	20.0		ug/L		100	70 - 130	2	20
1,3-Dichlorobenzene	20.0	20.9		ug/L		104	70 - 130	2	20
1,3-Dichloropropane	20.0	22.3		ug/L		111	70 - 130	0	20
1,4-Dichlorobenzene	20.0	20.6		ug/L		103	70 - 130	3	20
1,4-Dioxane	20.0	25.0	J	ug/L		125	40 - 160	2	20
1,1,1,2-Tetrachloroethane (Surr)	20.0	21.2		ug/L		106	70 - 130	1	20
2,2-Dichloropropane	20.0	20.0		ug/L		100	70 - 130	2	20

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 475-3512/3

Matrix: Water

Analysis Batch: 3512

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Butanone (MEK)	20.0	23.5		ug/L		117	40 - 160	1	20
2-Chlorotoluene	20.0	20.4		ug/L		102	70 - 130	1	20
2-Hexanone	20.0	24.3		ug/L		121	40 - 160	2	20
4-Chlorotoluene	20.0	20.8		ug/L		104	70 - 130	2	20
4-Methyl-2-pentanone (MIBK)	20.0	21.9		ug/L		109	40 - 160	2	20
Acetone	20.0	20.9		ug/L		104	40 - 160	5	20
Benzene	20.0	21.7		ug/L		108	70 - 130	0	20
Bromobenzene	20.0	20.7		ug/L		103	70 - 130	3	20
Bromochloromethane	20.0	21.4		ug/L		107	70 - 130	2	20
Bromodichloromethane	20.0	20.3		ug/L		101	70 - 130	1	20
Bromoform	20.0	22.3		ug/L		111	70 - 130	2	20
Bromomethane	20.0	7.45	*	ug/L		37	40 - 160	16	20
Carbon disulfide	20.0	19.1		ug/L		95	70 - 130	0	20
Carbon tetrachloride	20.0	22.1		ug/L		110	70 - 130	1	20
Chlorobenzene	20.0	21.4		ug/L		107	70 - 130	1	20
Chloroethane	20.0	18.9		ug/L		95	70 - 130	2	20
Chloroform	20.0	20.2		ug/L		101	70 - 130	2	20
Chloromethane	20.0	19.8		ug/L		99	40 - 160	0	20
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	70 - 130	2	20
cis-1,3-Dichloropropene	20.0	20.6		ug/L		103	70 - 130	1	20
Dibromochloromethane	20.0	20.8		ug/L		104	70 - 130	2	20
Dibromomethane	20.0	21.6		ug/L		108	70 - 130	2	20
Dichlorodifluoromethane	20.0	24.1		ug/L		121	40 - 160	1	20
Diethyl ether	20.0	22.7		ug/L		114	70 - 130	0	20
Ethylbenzene	20.0	21.4		ug/L		107	70 - 130	1	20
Ethyl-t-butyl ether (ETBE)	20.0	22.0		ug/L		110	70 - 130	2	20
Hexachlorobutadiene	20.0	19.7		ug/L		99	70 - 130	1	20
Isopropyl Ether (DIPE)	20.0	21.4		ug/L		107	70 - 130	2	20
Isopropylbenzene	20.0	18.9		ug/L		95	70 - 130	1	20
m,p-Xylene	40.0	42.2		ug/L		105	70 - 130	1	20
Methylene Chloride	20.0	20.6		ug/L		103	70 - 130	2	20
Methyl-t-Butyl Ether (MTBE)	20.0	21.3		ug/L		107	70 - 130	2	20
Naphthalene	20.0	23.0		ug/L		115	70 - 130	3	20
n-Butylbenzene	20.0	20.2		ug/L		101	70 - 130	2	20
N-Propylbenzene	20.0	20.5		ug/L		102	70 - 130	2	20
o-Xylene	20.0	21.2		ug/L		106	70 - 130	1	20
p-Isopropyltoluene	20.0	20.8		ug/L		104	70 - 130	1	20
sec-Butylbenzene	20.0	21.2		ug/L		106	70 - 130	0	20
Styrene	20.0	21.6		ug/L		108	70 - 130	2	20
tert-Amyl Methyl Ether (TAME)	20.0	21.7		ug/L		109	70 - 130	1	20
tert-Butyl alcohol (TBA)	100	119		ug/L		119	70 - 130	4	20
tert-Butylbenzene	20.0	20.0		ug/L		100	70 - 130	2	20
Tetrachloroethene	20.0	21.5		ug/L		108	70 - 130	1	20
Tetrahydrofuran (THF)	20.0	22.5		ug/L		113	70 - 130	0	20
Toluene	20.0	21.9		ug/L		110	70 - 130	1	20
trans-1,2-Dichloroethene	20.0	21.2		ug/L		106	70 - 130	1	20
trans-1,3-Dichloropropene	20.0	22.6		ug/L		113	70 - 130	2	20
Trichloroethene	20.0	21.5		ug/L		107	70 - 130	0	20
Trichlorofluoromethane	20.0	22.4		ug/L		112	70 - 130	0	20

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 475-3512/3

Matrix: Water

Analysis Batch: 3512

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vinyl chloride	20.0	20.3		ug/L		101	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	107		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: MB 475-3526/5

Matrix: Water

Analysis Batch: 3526

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0	ug/L			04/17/25 14:24	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	ug/L			04/17/25 14:24	1
1,1,1,2-Trichloroethane	<1.0		1.0	ug/L			04/17/25 14:24	1
1,1-Dichloroethane	<1.0		1.0	ug/L			04/17/25 14:24	1
1,1-Dichloroethene	<0.50		0.50	ug/L			04/17/25 14:24	1
1,1-Dichloropropene	<1.0		1.0	ug/L			04/17/25 14:24	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			04/17/25 14:24	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			04/17/25 14:24	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L			04/17/25 14:24	1
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L			04/17/25 14:24	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
1,2-Dichloroethane	<1.0		1.0	ug/L			04/17/25 14:24	1
1,2-Dichloropropane	<1.0		1.0	ug/L			04/17/25 14:24	1
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
1,3-Dichloropropane	<1.0		1.0	ug/L			04/17/25 14:24	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
1,4-Dioxane	<50		50	ug/L			04/17/25 14:24	1
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L			04/17/25 14:24	1
2,2-Dichloropropane	<1.0		1.0	ug/L			04/17/25 14:24	1
2-Butanone (MEK)	<10		10	ug/L			04/17/25 14:24	1
2-Chlorotoluene	<1.0		1.0	ug/L			04/17/25 14:24	1
2-Hexanone	<10		10	ug/L			04/17/25 14:24	1
4-Chlorotoluene	<1.0		1.0	ug/L			04/17/25 14:24	1
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L			04/17/25 14:24	1
Acetone	<10		10	ug/L			04/17/25 14:24	1
Benzene	<1.0		1.0	ug/L			04/17/25 14:24	1
Bromobenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
Bromochloromethane	<1.0		1.0	ug/L			04/17/25 14:24	1
Bromodichloromethane	<0.50		0.50	ug/L			04/17/25 14:24	1
Bromoform	<2.0		2.0	ug/L			04/17/25 14:24	1
Bromomethane	<2.0		2.0	ug/L			04/17/25 14:24	1

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 475-3526/5

Matrix: Water

Analysis Batch: 3526

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	<2.0		2.0	ug/L			04/17/25 14:24	1
Carbon tetrachloride	<1.0		1.0	ug/L			04/17/25 14:24	1
Chlorobenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
Chloroethane	<2.0		2.0	ug/L			04/17/25 14:24	1
Chloroform	<1.0		1.0	ug/L			04/17/25 14:24	1
Chloromethane	<2.0		2.0	ug/L			04/17/25 14:24	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			04/17/25 14:24	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			04/17/25 14:24	1
Dibromochloromethane	<1.0		1.0	ug/L			04/17/25 14:24	1
Dibromomethane	<1.0		1.0	ug/L			04/17/25 14:24	1
Dichlorodifluoromethane	<2.0		2.0	ug/L			04/17/25 14:24	1
Diethyl ether	<2.0		2.0	ug/L			04/17/25 14:24	1
Ethylbenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L			04/17/25 14:24	1
Hexachlorobutadiene	<0.50		0.50	ug/L			04/17/25 14:24	1
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L			04/17/25 14:24	1
Isopropylbenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
m,p-Xylene	<1.0		1.0	ug/L			04/17/25 14:24	1
Methylene Chloride	<1.0		1.0	ug/L			04/17/25 14:24	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			04/17/25 14:24	1
Naphthalene	<2.0		2.0	ug/L			04/17/25 14:24	1
n-Butylbenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
N-Propylbenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
o-Xylene	<1.0		1.0	ug/L			04/17/25 14:24	1
p-Isopropyltoluene	<1.0		1.0	ug/L			04/17/25 14:24	1
sec-Butylbenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
Styrene	<1.0		1.0	ug/L			04/17/25 14:24	1
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L			04/17/25 14:24	1
tert-Butyl alcohol (TBA)	<30		30	ug/L			04/17/25 14:24	1
tert-Butylbenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
Tetrachloroethene	<1.0		1.0	ug/L			04/17/25 14:24	1
Tetrahydrofuran (THF)	<10		10	ug/L			04/17/25 14:24	1
Toluene	<1.0		1.0	ug/L			04/17/25 14:24	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			04/17/25 14:24	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			04/17/25 14:24	1
Trichloroethene	<1.0		1.0	ug/L			04/17/25 14:24	1
Trichlorofluoromethane	<2.0		2.0	ug/L			04/17/25 14:24	1
Vinyl chloride	<1.0		1.0	ug/L			04/17/25 14:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	99		70 - 130		04/17/25 14:24	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		04/17/25 14:24	1
4-Bromofluorobenzene (Surr)	100		70 - 130		04/17/25 14:24	1
Toluene-d8 (Surr)	102		70 - 130		04/17/25 14:24	1

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 475-3526/2

Matrix: Water

Analysis Batch: 3526

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	22.1		ug/L		111	70 - 130
1,1,2,2-Tetrachloroethane	20.0	21.7		ug/L		108	70 - 130
1,1,2-Trichloroethane	20.0	21.3		ug/L		107	70 - 130
1,1-Dichloroethane	20.0	22.7		ug/L		113	70 - 130
1,1-Dichloroethene	20.0	22.6		ug/L		113	70 - 130
1,1-Dichloropropene	20.0	23.2		ug/L		116	70 - 130
1,2,3-Trichlorobenzene	20.0	23.0		ug/L		115	70 - 130
1,2,3-Trichloropropane	20.0	20.9		ug/L		104	70 - 130
1,2,4-Trichlorobenzene	20.0	21.9		ug/L		109	70 - 130
1,2,4-Trimethylbenzene	20.0	22.3		ug/L		112	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	21.9		ug/L		110	70 - 130
1,2-Dibromoethane (EDB)	20.0	21.2		ug/L		106	70 - 130
1,2-Dichlorobenzene	20.0	21.9		ug/L		109	70 - 130
1,2-Dichloroethane	20.0	20.9		ug/L		105	70 - 130
1,2-Dichloropropane	20.0	22.1		ug/L		110	70 - 130
1,3,5-Trichlorobenzene	20.0	23.1		ug/L		115	70 - 130
1,3,5-Trimethylbenzene	20.0	22.2		ug/L		111	70 - 130
1,3-Dichlorobenzene	20.0	22.3		ug/L		111	70 - 130
1,3-Dichloropropane	20.0	21.3		ug/L		107	70 - 130
1,4-Dichlorobenzene	20.0	21.8		ug/L		109	70 - 130
1,4-Dioxane	20.0	22.6	J	ug/L		113	40 - 160
1,1,1,2-Tetrachloroethane (Surr)	20.0	21.3		ug/L		107	70 - 130
2,2-Dichloropropane	20.0	23.5		ug/L		117	70 - 130
2-Butanone (MEK)	20.0	21.1		ug/L		106	40 - 160
2-Chlorotoluene	20.0	22.3		ug/L		111	70 - 130
2-Hexanone	20.0	22.3		ug/L		111	40 - 160
4-Chlorotoluene	20.0	22.6		ug/L		113	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	20.5		ug/L		103	40 - 160
Acetone	20.0	18.7		ug/L		94	40 - 160
Benzene	20.0	22.3		ug/L		112	70 - 130
Bromobenzene	20.0	21.3		ug/L		107	70 - 130
Bromochloromethane	20.0	20.7		ug/L		104	70 - 130
Bromodichloromethane	20.0	20.0		ug/L		100	70 - 130
Bromoform	20.0	20.7		ug/L		104	70 - 130
Bromomethane	20.0	13.4		ug/L		67	40 - 160
Carbon disulfide	20.0	19.6		ug/L		98	70 - 130
Carbon tetrachloride	20.0	22.7		ug/L		114	70 - 130
Chlorobenzene	20.0	22.0		ug/L		110	70 - 130
Chloroethane	20.0	18.8		ug/L		94	70 - 130
Chloroform	20.0	20.5		ug/L		103	70 - 130
Chloromethane	20.0	18.9		ug/L		95	40 - 160
cis-1,2-Dichloroethene	20.0	21.7		ug/L		108	70 - 130
cis-1,3-Dichloropropene	20.0	20.6		ug/L		103	70 - 130
Dibromochloromethane	20.0	19.9		ug/L		100	70 - 130
Dibromomethane	20.0	20.5		ug/L		103	70 - 130
Dichlorodifluoromethane	20.0	23.6		ug/L		118	40 - 160
Diethyl ether	20.0	21.4		ug/L		107	70 - 130
Ethylbenzene	20.0	22.7		ug/L		113	70 - 130

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 475-3526/2

Matrix: Water

Analysis Batch: 3526

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethyl-t-butyl ether (ETBE)	20.0	21.4		ug/L		107	70 - 130
Hexachlorobutadiene	20.0	23.2		ug/L		116	70 - 130
Isopropyl Ether (DIPE)	20.0	21.4		ug/L		107	70 - 130
Isopropylbenzene	20.0	20.2		ug/L		101	70 - 130
m,p-Xylene	40.0	44.7		ug/L		112	70 - 130
Methylene Chloride	20.0	20.6		ug/L		103	70 - 130
Methyl-t-Butyl Ether (MTBE)	20.0	20.2		ug/L		101	70 - 130
Naphthalene	20.0	22.3		ug/L		112	70 - 130
n-Butylbenzene	20.0	23.7		ug/L		118	70 - 130
N-Propylbenzene	20.0	22.8		ug/L		114	70 - 130
o-Xylene	20.0	22.0		ug/L		110	70 - 130
p-Isopropyltoluene	20.0	23.9		ug/L		120	70 - 130
sec-Butylbenzene	20.0	24.1		ug/L		120	70 - 130
Styrene	20.0	22.1		ug/L		110	70 - 130
tert-Amyl Methyl Ether (TAME)	20.0	20.7		ug/L		103	70 - 130
tert-Butyl alcohol (TBA)	100	115		ug/L		115	70 - 130
tert-Butylbenzene	20.0	22.4		ug/L		112	70 - 130
Tetrachloroethene	20.0	23.1		ug/L		115	70 - 130
Tetrahydrofuran (THF)	20.0	20.8		ug/L		104	70 - 130
Toluene	20.0	22.9		ug/L		114	70 - 130
trans-1,2-Dichloroethene	20.0	21.9		ug/L		109	70 - 130
trans-1,3-Dichloropropene	20.0	22.0		ug/L		110	70 - 130
Trichloroethene	20.0	22.3		ug/L		112	70 - 130
Trichlorofluoromethane	20.0	22.0		ug/L		110	70 - 130
Vinyl chloride	20.0	19.9		ug/L		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Lab Sample ID: LCSD 475-3526/3

Matrix: Water

Analysis Batch: 3526

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	21.5		ug/L		108	70 - 130	3	20
1,1,1,2-Tetrachloroethane	20.0	20.9		ug/L		105	70 - 130	4	20
1,1,2-Trichloroethane	20.0	21.0		ug/L		105	70 - 130	1	20
1,1-Dichloroethane	20.0	22.3		ug/L		111	70 - 130	2	20
1,1-Dichloroethene	20.0	21.9		ug/L		109	70 - 130	3	20
1,1-Dichloropropene	20.0	22.5		ug/L		112	70 - 130	3	20
1,2,3-Trichlorobenzene	20.0	22.4		ug/L		112	70 - 130	2	20
1,2,3-Trichloropropane	20.0	20.3		ug/L		101	70 - 130	3	20
1,2,4-Trichlorobenzene	20.0	21.6		ug/L		108	70 - 130	1	20
1,2,4-Trimethylbenzene	20.0	21.6		ug/L		108	70 - 130	3	20
1,2-Dibromo-3-Chloropropane	20.0	21.2		ug/L		106	70 - 130	4	20

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 475-3526/3

Matrix: Water

Analysis Batch: 3526

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)	20.0	20.8		ug/L		104	70 - 130	2	20
1,2-Dichlorobenzene	20.0	21.7		ug/L		108	70 - 130	1	20
1,2-Dichloroethane	20.0	20.9		ug/L		105	70 - 130	0	20
1,2-Dichloropropane	20.0	21.9		ug/L		110	70 - 130	1	20
1,3,5-Trichlorobenzene	20.0	22.7		ug/L		114	70 - 130	2	20
1,3,5-Trimethylbenzene	20.0	21.1		ug/L		106	70 - 130	5	20
1,3-Dichlorobenzene	20.0	21.8		ug/L		109	70 - 130	2	20
1,3-Dichloropropane	20.0	21.0		ug/L		105	70 - 130	1	20
1,4-Dichlorobenzene	20.0	21.3		ug/L		107	70 - 130	2	20
1,4-Dioxane	20.0	21.5	J	ug/L		108	40 - 160	5	20
1,1,1,2-Tetrachloroethane (Surr)	20.0	20.6		ug/L		103	70 - 130	3	20
2,2-Dichloropropane	20.0	22.7		ug/L		113	70 - 130	4	20
2-Butanone (MEK)	20.0	20.5		ug/L		103	40 - 160	3	20
2-Chlorotoluene	20.0	21.4		ug/L		107	70 - 130	4	20
2-Hexanone	20.0	21.4		ug/L		107	40 - 160	4	20
4-Chlorotoluene	20.0	21.9		ug/L		109	70 - 130	3	20
4-Methyl-2-pentanone (MIBK)	20.0	20.0		ug/L		100	40 - 160	2	20
Acetone	20.0	18.3		ug/L		91	40 - 160	2	20
Benzene	20.0	21.8		ug/L		109	70 - 130	2	20
Bromobenzene	20.0	21.0		ug/L		105	70 - 130	2	20
Bromochloromethane	20.0	20.8		ug/L		104	70 - 130	0	20
Bromodichloromethane	20.0	19.9		ug/L		100	70 - 130	0	20
Bromoform	20.0	20.3		ug/L		102	70 - 130	2	20
Bromomethane	20.0	15.2		ug/L		76	40 - 160	13	20
Carbon disulfide	20.0	18.9		ug/L		94	70 - 130	4	20
Carbon tetrachloride	20.0	22.2		ug/L		111	70 - 130	3	20
Chlorobenzene	20.0	21.2		ug/L		106	70 - 130	4	20
Chloroethane	20.0	18.5		ug/L		92	70 - 130	2	20
Chloroform	20.0	20.3		ug/L		101	70 - 130	1	20
Chloromethane	20.0	18.2		ug/L		91	40 - 160	4	20
cis-1,2-Dichloroethene	20.0	21.4		ug/L		107	70 - 130	1	20
cis-1,3-Dichloropropene	20.0	20.5		ug/L		102	70 - 130	0	20
Dibromochloromethane	20.0	19.7		ug/L		99	70 - 130	1	20
Dibromomethane	20.0	20.6		ug/L		103	70 - 130	0	20
Dichlorodifluoromethane	20.0	22.8		ug/L		114	40 - 160	4	20
Diethyl ether	20.0	21.7		ug/L		108	70 - 130	1	20
Ethylbenzene	20.0	21.6		ug/L		108	70 - 130	5	20
Ethyl-t-butyl ether (ETBE)	20.0	21.5		ug/L		108	70 - 130	1	20
Hexachlorobutadiene	20.0	22.4		ug/L		112	70 - 130	4	20
Isopropyl Ether (DIPE)	20.0	21.4		ug/L		107	70 - 130	0	20
Isopropylbenzene	20.0	19.3		ug/L		96	70 - 130	5	20
m,p-Xylene	40.0	42.7		ug/L		107	70 - 130	5	20
Methylene Chloride	20.0	20.3		ug/L		102	70 - 130	2	20
Methyl-t-Butyl Ether (MTBE)	20.0	20.3		ug/L		102	70 - 130	1	20
Naphthalene	20.0	21.7		ug/L		108	70 - 130	3	20
n-Butylbenzene	20.0	22.7		ug/L		113	70 - 130	4	20
N-Propylbenzene	20.0	22.2		ug/L		111	70 - 130	3	20
o-Xylene	20.0	21.4		ug/L		107	70 - 130	3	20
p-Isopropyltoluene	20.0	23.0		ug/L		115	70 - 130	4	20

Eurofins Concord

QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 475-3526/3

Matrix: Water

Analysis Batch: 3526

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
sec-Butylbenzene	20.0	23.2		ug/L		116	70 - 130	4	20
Styrene	20.0	21.6		ug/L		108	70 - 130	2	20
tert-Amyl Methyl Ether (TAME)	20.0	20.8		ug/L		104	70 - 130	1	20
tert-Butyl alcohol (TBA)	100	114		ug/L		114	70 - 130	2	20
tert-Butylbenzene	20.0	21.5		ug/L		108	70 - 130	4	20
Tetrachloroethene	20.0	22.2		ug/L		111	70 - 130	4	20
Tetrahydrofuran (THF)	20.0	20.3		ug/L		102	70 - 130	3	20
Toluene	20.0	22.1		ug/L		111	70 - 130	3	20
trans-1,2-Dichloroethene	20.0	21.3		ug/L		106	70 - 130	3	20
trans-1,3-Dichloropropene	20.0	22.0		ug/L		110	70 - 130	0	20
Trichloroethene	20.0	21.8		ug/L		109	70 - 130	2	20
Trichlorofluoromethane	20.0	21.6		ug/L		108	70 - 130	2	20
Vinyl chloride	20.0	19.5		ug/L		97	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichlorobenzene-d4 (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 475-3341/3

Matrix: Water

Analysis Batch: 3341

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.10		0.10	mg/L			04/16/25 08:28	1

Lab Sample ID: LCS 475-3341/17

Matrix: Water

Analysis Batch: 3341

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.00	2.04		mg/L		102	90 - 110

Lab Sample ID: LCS 475-3341/32

Matrix: Water

Analysis Batch: 3341

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.00	2.05		mg/L		102	90 - 110

Lab Sample ID: LCS 475-3341/47

Matrix: Water

Analysis Batch: 3341

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.00	2.06		mg/L		103	90 - 110

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 475-2724-1 MS
Matrix: Water
Analysis Batch: 3341

Client Sample ID: B-103S_20250414
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	<0.10		2.00	2.05		mg/L		103	80 - 120

Lab Sample ID: 475-2724-1 MSD
Matrix: Water
Analysis Batch: 3341

Client Sample ID: B-103S_20250414
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	<0.10		2.00	2.06		mg/L		103	80 - 120	0	20

Lab Sample ID: 475-2724-11 MS
Matrix: Water
Analysis Batch: 3341

Client Sample ID: B-927U_20250414
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	<0.10		2.00	2.04		mg/L		102	80 - 120

Lab Sample ID: 475-2724-11 MSD
Matrix: Water
Analysis Batch: 3341

Client Sample ID: B-927U_20250414
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	<0.10		2.00	2.05		mg/L		103	80 - 120	1	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 475-3298/1-A
Matrix: Water
Analysis Batch: 3332

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3298

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.050		0.050	mg/L		04/16/25 11:50	04/16/25 17:50	1
Iron	<0.050		0.050	mg/L		04/16/25 11:50	04/16/25 17:50	1
Arsenic	<0.0010		0.0010	mg/L		04/16/25 11:50	04/16/25 17:50	1
Manganese	<0.0050		0.0050	mg/L		04/16/25 11:50	04/16/25 17:50	1
Manganese	<0.0050		0.0050	mg/L		04/16/25 11:50	04/16/25 17:50	1

Lab Sample ID: LCS 475-3298/2-A
Matrix: Water
Analysis Batch: 3332

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3298

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10.0	9.61		mg/L		96	85 - 115
Iron	10.0	9.53		mg/L		95	85 - 115
Arsenic	0.200	0.193		mg/L		96	85 - 115
Manganese	0.200	0.194		mg/L		97	85 - 115
Manganese	0.200	0.193		mg/L		97	85 - 115

QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 475-2724-10 MS

Matrix: Water

Analysis Batch: 3332

Client Sample ID: B-919M_20250414

Prep Type: Dissolved

Prep Batch: 3298

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10		10.0	18.8		mg/L		86	70 - 130
Arsenic	0.048		0.200	0.233		mg/L		93	70 - 130
Manganese	3.8		0.200	3.75	4	mg/L		-31	70 - 130

Lab Sample ID: 475-2724-10 MSD

Matrix: Water

Analysis Batch: 3332

Client Sample ID: B-919M_20250414

Prep Type: Dissolved

Prep Batch: 3298

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Iron	10		10.0	19.4		mg/L		93	70 - 130	3	20
Arsenic	0.048		0.200	0.240		mg/L		96	70 - 130	3	20
Manganese	3.8		0.200	3.91	4	mg/L		48	70 - 130	4	20

Method: 4500 NH3 D - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 475-3440/1-A

Matrix: Water

Analysis Batch: 3580

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3440

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<0.50		0.50	mg/L		04/18/25 07:58	04/18/25 15:12	1

Lab Sample ID: LCS 475-3440/2-A

Matrix: Water

Analysis Batch: 3580

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3440

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	10.0	10.5		mg/L		105	90 - 110

Lab Sample ID: LCSD 475-3440/3-A

Matrix: Water

Analysis Batch: 3580

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3440

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Nitrogen, Kjeldahl	10.0	10.4		mg/L		104	90 - 110	1	20

Lab Sample ID: MB 475-3443/1-A

Matrix: Water

Analysis Batch: 3580

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3443

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<0.50		0.50	mg/L		04/18/25 08:33	04/18/25 16:42	1

Lab Sample ID: LCS 475-3443/2-A

Matrix: Water

Analysis Batch: 3580

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3443

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	10.0	10.5		mg/L		105	90 - 110

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Method: 4500 NH3 D - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LCSD 475-3443/3-A
Matrix: Water
Analysis Batch: 3580

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3443

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	10.0	10.4		mg/L		104	90 - 110	1	20

Lab Sample ID: 475-2724-9 MS
Matrix: Water
Analysis Batch: 3580

Client Sample ID: B-919U_20250414
Prep Type: Total/NA
Prep Batch: 3443

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	<0.50		10.0	11.0		mg/L		109	80 - 120

Lab Sample ID: 475-2724-9 MSD
Matrix: Water
Analysis Batch: 3580

Client Sample ID: B-919U_20250414
Prep Type: Total/NA
Prep Batch: 3443

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	<0.50		10.0	10.7		mg/L		107	80 - 120	2	20

Lab Sample ID: MB 475-3641/1-A
Matrix: Water
Analysis Batch: 3783

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3641

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<0.50		0.50	mg/L		04/22/25 09:19	04/22/25 14:57	1

Lab Sample ID: LCS 475-3641/2-A
Matrix: Water
Analysis Batch: 3783

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3641

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	10.0	10.1		mg/L		101	90 - 110

Lab Sample ID: LCSD 475-3641/3-A
Matrix: Water
Analysis Batch: 3783

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3641

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	10.0	10.2		mg/L		102	90 - 110	1	20

Method: 8000 - COD

Lab Sample ID: MB 475-3525/1
Matrix: Water
Analysis Batch: 3525

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<10		10	mg/L			04/18/25 14:00	1

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Method: 8000 - COD (Continued)

Lab Sample ID: LCS 475-3525/2
Matrix: Water
Analysis Batch: 3525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	100	94.6		mg/L		95	85 - 115

Lab Sample ID: LCSD 475-3525/25
Matrix: Water
Analysis Batch: 3525

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	100	87.3		mg/L		87	85 - 115	8	20

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 475-3302/15
Matrix: Water
Analysis Batch: 3302

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0	mg/L			04/16/25 08:48	1

Lab Sample ID: LCS 475-3302/12
Matrix: Water
Analysis Batch: 3302

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.0	25.7		mg/L		103	90 - 110

Lab Sample ID: LCS 475-3302/48
Matrix: Water
Analysis Batch: 3302

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.0	26.6		mg/L		106	90 - 110

Lab Sample ID: LCS 475-3302/66
Matrix: Water
Analysis Batch: 3302

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.0	25.9		mg/L		104	90 - 110

Lab Sample ID: 475-2724-3 MS
Matrix: Water
Analysis Batch: 3302

Client Sample ID: B-304UR_20250414
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	14		9.80	24.1		mg/L		107	80 - 120

QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: 475-2724-3 MSD

Client Sample ID: B-304UR_20250414

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 3302

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Chloride	14		9.80	24.1		mg/L		107	80 - 120	0	20

Accreditation/Certification and Definitions Summary

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Laboratory: Eurofins Concord

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Hampshire	NELAP	1012	01-20-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,3,5-Trichlorobenzene

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
MRL	Method Reporting Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
SDL	Sample Detection Limit

Accreditation/Certification and Definitions Summary

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater

Job ID: 475-2724-1
SDG: 2637.012

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
SDL	Sample Detection Limit
SDL	Sample Detection Limit
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

English Only

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Project Manager:	M. Estabrooks / T. White		
Company:	Sanborn, Head & Associates, Inc.		
Address:	6 Bedford Farms Drive, Suite 201		
City:	Bedford	State:	NH
Phone	603-229-1900		Zip: 03110
Fax:	603-229-1919		Ext:
E-Mail:	mestabrooks@sanbornhead.com		
Site Name:	NCES	Groundwater	
Project #	2637.012		
State:	NH		
Regulatory Program: NPDES, RGP POTW Stormwater or GWP, Oil Fund, Brownfield or Other:			
Quote #:	PO#:		

Eastern Analytical, Inc.
Oil & drilling services

Sanborn, Head & Associates, Inc.

ANALYTICAL REPORT

PREPARED FOR

Attn: Matthew Estabrooks
Sanborn Head & Associates Inc
6 Bedford Farms Drive
Suite 201
Bedford, New Hampshire 03110

Generated 4/22/2025 4:09:49 PM

JOB DESCRIPTION

NCES | Groundwater SSI
2637.012

JOB NUMBER

475-2732-1

Eurofins Northeast Concord

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Authorized for release by
Ashley Breen, Project Manager
Ashley.Breen@et.eurofinsus.com
(603)228-0525

Case Narrative

Client: Sanborn Head & Associates Inc
Project: NCES | Groundwater SSI

Job ID: 475-2732-1

Job ID: 475-2732-1

Eurofins Northeast Concord

Job Narrative 475-2732-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 4/15/2025 1:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C.

GC/MS VOA

Method 8260D: B-932U_20250414 (475-2732-1), B-932L_20250414 (475-2732-2), B-933U_20250414 (475-2732-3), B-933L_20250414 (475-2732-4), B-934U_20250414 (475-2732-5) and B-934L_20250414 (475-2732-6): The laboratory control sample (LCS) for 475-3512 recovered outside control limits for the following analytes: Bromomethane. Since the affected target compound was not detected in the samples, the data have been reported and qualified.

Method 8260D: B-932U_20250414 (475-2732-1), B-932L_20250414 (475-2732-2), B-933U_20250414 (475-2732-3), B-933L_20250414 (475-2732-4), B-934U_20250414 (475-2732-5) and B-934L_20250414 (475-2732-6): The continuing calibration verification (CCV) associated with batch 475-3512 recovered outside acceptance criteria, low biased, for Bromomethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte, the data are reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Northeast Concord

Sample Summary

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
475-2732-1	B-932U_20250414	Water	04/14/25 12:10	04/15/25 13:00
475-2732-2	B-932L_20250414	Water	04/14/25 12:08	04/15/25 13:00
475-2732-3	B-933U_20250414	Water	04/14/25 13:40	04/15/25 13:00
475-2732-4	B-933L_20250414	Water	04/14/25 13:50	04/15/25 13:00
475-2732-5	B-934U_20250414	Water	04/14/25 15:50	04/15/25 13:00
475-2732-6	B-934L_20250414	Water	04/14/25 16:01	04/15/25 13:00
475-2732-7	MW-802L_20250414	Water	04/14/25 15:22	04/15/25 13:00
475-2732-8	SSI-TB-GW-01_20250414	Water	04/14/25 16:35	04/15/25 13:00
475-2732-9	SSI-TB-LL-GW-01_20250414	Water	04/14/25 16:35	04/15/25 13:00

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Client Sample ID: B-932U_20250414

Lab Sample ID: 475-2732-1

Date Collected: 04/14/25 12:10

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/18/25 14:10	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/18/25 14:10	1	SLH
4-Bromofluorobenzene (Surr)	101		70 - 130			04/18/25 14:10	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 08:25	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 08:25	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 08:25	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 08:25	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 08:25	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 08:25	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 08:25	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 08:25	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 08:25	1	AMF
Acetone	<10		10	ug/L		04/17/25 08:25	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 08:25	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 08:25	1	AMF
Bromomethane	<2.0	*	2.0	ug/L		04/17/25 08:25	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 08:25	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 08:25	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 08:25	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Client Sample ID: B-932U_20250414

Lab Sample ID: 475-2732-1

Date Collected: 04/14/25 12:10

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 08:25	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 08:25	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 08:25	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 08:25	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 08:25	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 08:25	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 08:25	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 08:25	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 08:25	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 08:25	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 08:25	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 08:25	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 08:25	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	102		70 - 130	04/17/25 08:25	1	AMF
1,2-Dichloroethane-d4 (Surr)	106		70 - 130	04/17/25 08:25	1	AMF
4-Bromofluorobenzene (Surr)	100		70 - 130	04/17/25 08:25	1	AMF
Toluene-d8 (Surr)	101		70 - 130	04/17/25 08:25	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/16/25 20:16	1	SRG
Sulfate	11		1.0	mg/L		04/16/25 20:16	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Antimony	<0.0010		0.0010	mg/L		04/16/25 13:34	1	DS
Arsenic	<0.0010		0.0010	mg/L		04/16/25 13:34	1	DS
Barium	0.0067		0.0010	mg/L		04/16/25 13:34	1	DS
Beryllium	<0.0010	^+	0.0010	mg/L		04/16/25 13:34	1	DS
Cadmium	<0.0010		0.0010	mg/L		04/16/25 13:34	1	DS

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Client Sample ID: B-932U_20250414

Date Collected: 04/14/25 12:10

Date Received: 04/15/25 13:00

Lab Sample ID: 475-2732-1

Matrix: Water

Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Chromium	<0.0010		0.0010	mg/L		04/16/25 13:34	1	DS
Lead	<0.0010		0.0010	mg/L		04/16/25 13:34	1	DS
Manganese	0.023		0.0050	mg/L		04/16/25 13:34	1	DS
Nickel	<0.0010		0.0010	mg/L		04/16/25 13:34	1	DS
Silver	<0.0010		0.0010	mg/L		04/16/25 13:34	1	DS
Thallium	<0.0010		0.0010	mg/L		04/16/25 13:34	1	DS
Iron	0.061		0.050	mg/L		04/16/25 13:34	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 09:02	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 16:17	1	EWG
Chemical Oxygen Demand (8000)	14		10	mg/L		04/18/25 14:00	1	SRG
Chloride (SM 4500 Cl- E)	3.3		1.0	mg/L		04/16/25 09:02	1	ALS

Client Sample ID: B-932L_20250414

Date Collected: 04/14/25 12:08

Date Received: 04/15/25 13:00

Lab Sample ID: 475-2732-2

Matrix: Water

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/18/25 14:37	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/18/25 14:37	1	SLH
4-Bromofluorobenzene (Surr)	102		70 - 130			04/18/25 14:37	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 08:50	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 08:50	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 08:50	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 08:50	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 08:50	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 08:50	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Client Sample ID: B-932L_20250414

Lab Sample ID: 475-2732-2

Date Collected: 04/14/25 12:08

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 08:50	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 08:50	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 08:50	1	AMF
Acetone	<10		10	ug/L		04/17/25 08:50	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 08:50	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 08:50	1	AMF
Bromomethane	<2.0	*-	2.0	ug/L		04/17/25 08:50	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 08:50	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 08:50	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 08:50	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 08:50	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 08:50	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 08:50	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 08:50	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 08:50	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 08:50	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 08:50	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 08:50	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 08:50	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 08:50	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 08:50	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF

Eurofins Northeast Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Client Sample ID: B-932L_20250414

Lab Sample ID: 475-2732-2

Date Collected: 04/14/25 12:08

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 08:50	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 08:50	1	AMF
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	104		70 - 130			04/17/25 08:50	1	AMF
1,2-Dichloroethane-d4 (Surr)	107		70 - 130			04/17/25 08:50	1	AMF
4-Bromofluorobenzene (Surr)	100		70 - 130			04/17/25 08:50	1	AMF
Toluene-d8 (Surr)	103		70 - 130			04/17/25 08:50	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/16/25 20:31	1	SRG
Sulfate	8.9		1.0	mg/L		04/16/25 20:31	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 13:38	1	DS
Manganese	<0.0050		0.0050	mg/L		04/16/25 13:38	1	DS
Cadmium	<0.0010		0.0010	mg/L		04/16/25 13:38	1	DS
Antimony	<0.0010		0.0010	mg/L		04/16/25 13:38	1	DS
Beryllium	<0.0010	^+	0.0010	mg/L		04/16/25 13:38	1	DS
Barium	0.0071		0.0010	mg/L		04/16/25 13:38	1	DS
Thallium	<0.0010		0.0010	mg/L		04/16/25 13:38	1	DS
Nickel	<0.0010		0.0010	mg/L		04/16/25 13:38	1	DS
Silver	<0.0010		0.0010	mg/L		04/16/25 13:38	1	DS
Arsenic	<0.0010		0.0010	mg/L		04/16/25 13:38	1	DS
Lead	<0.0010		0.0010	mg/L		04/16/25 13:38	1	DS
Chromium	<0.0010		0.0010	mg/L		04/16/25 13:38	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 09:15	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 16:20	1	EWG
Chemical Oxygen Demand (8000)	11		10	mg/L		04/18/25 14:00	1	SRG
Chloride (SM 4500 Cl- E)	3.7		1.0	mg/L		04/16/25 09:15	1	ALS

Client Sample ID: B-933U_20250414

Lab Sample ID: 475-2732-3

Date Collected: 04/14/25 13:40

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.20		0.20	ug/L		04/22/25 12:53	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/22/25 12:53	1	SLH
4-Bromofluorobenzene (Surr)	102		70 - 130			04/22/25 12:53	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF

Eurofins Northeast Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Client Sample ID: B-933U_20250414

Lab Sample ID: 475-2732-3

Date Collected: 04/14/25 13:40

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 09:15	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 09:15	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 09:15	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 09:15	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 09:15	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 09:15	1	AMF
1.1.1.2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 09:15	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 09:15	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 09:15	1	AMF
Acetone	<10		10	ug/L		04/17/25 09:15	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 09:15	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 09:15	1	AMF
Bromomethane	<2.0	*	2.0	ug/L		04/17/25 09:15	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 09:15	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 09:15	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 09:15	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 09:15	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 09:15	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 09:15	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 09:15	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 09:15	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Client Sample ID: B-933U_20250414

Lab Sample ID: 475-2732-3

Date Collected: 04/14/25 13:40

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 09:15	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 09:15	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 09:15	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 09:15	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 09:15	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 09:15	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 09:15	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 09:15	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	102		70 - 130	04/17/25 09:15	1	AMF
1,2-Dichloroethane-d4 (Surr)	106		70 - 130	04/17/25 09:15	1	AMF
4-Bromofluorobenzene (Surr)	99		70 - 130	04/17/25 09:15	1	AMF
Toluene-d8 (Surr)	103		70 - 130	04/17/25 09:15	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/16/25 20:45	1	SRG
Sulfate	7.2		1.0	mg/L		04/16/25 20:45	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	7.9		0.050	mg/L		04/16/25 13:43	1	DS
Manganese	2.8		0.0050	mg/L		04/16/25 13:43	1	DS
Cadmium	<0.0010		0.0010	mg/L		04/16/25 13:43	1	DS
Antimony	<0.0010		0.0010	mg/L		04/16/25 13:43	1	DS
Beryllium	<0.0010	^+	0.0010	mg/L		04/16/25 13:43	1	DS
Barium	0.038		0.0010	mg/L		04/16/25 13:43	1	DS
Thallium	<0.0010		0.0010	mg/L		04/16/25 13:43	1	DS
Nickel	0.0015		0.0010	mg/L		04/16/25 13:43	1	DS
Silver	<0.0010		0.0010	mg/L		04/16/25 13:43	1	DS
Arsenic	0.011		0.0010	mg/L		04/16/25 13:43	1	DS
Lead	<0.0010		0.0010	mg/L		04/16/25 13:43	1	DS
Chromium	<0.0010		0.0010	mg/L		04/16/25 13:43	1	DS

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Client Sample ID: B-933U_20250414

Lab Sample ID: 475-2732-3

Date Collected: 04/14/25 13:40

Matrix: Water

Date Received: 04/15/25 13:00

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 09:16	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 16:23	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/18/25 14:00	1	SRG
Chloride (SM 4500 Cl- E)	2.6		1.0	mg/L		04/16/25 09:16	1	ALS

Client Sample ID: B-933L_20250414

Lab Sample ID: 475-2732-4

Date Collected: 04/14/25 13:50

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/18/25 15:29	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/18/25 15:29	1	SLH
4-Bromofluorobenzene (Surr)	103		70 - 130			04/18/25 15:29	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 09:39	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 09:39	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 09:39	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 09:39	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 09:39	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 09:39	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 09:39	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 09:39	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 09:39	1	AMF
Acetone	<10		10	ug/L		04/17/25 09:39	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Client Sample ID: B-933L_20250414

Lab Sample ID: 475-2732-4

Date Collected: 04/14/25 13:50

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 09:39	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 09:39	1	AMF
Bromomethane	<2.0	*-	2.0	ug/L		04/17/25 09:39	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 09:39	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 09:39	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 09:39	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 09:39	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 09:39	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 09:39	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 09:39	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 09:39	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 09:39	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 09:39	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 09:39	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 09:39	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 09:39	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 09:39	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 09:39	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 09:39	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	101		70 - 130	04/17/25 09:39	1	AMF
1,2-Dichloroethane-d4 (Surr)	106		70 - 130	04/17/25 09:39	1	AMF
4-Bromofluorobenzene (Surr)	100		70 - 130	04/17/25 09:39	1	AMF
Toluene-d8 (Surr)	103		70 - 130	04/17/25 09:39	1	AMF

Eurofins Northeast Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Client Sample ID: B-933L_20250414

Lab Sample ID: 475-2732-4

Date Collected: 04/14/25 13:50

Matrix: Water

Date Received: 04/15/25 13:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/16/25 20:59	1	SRG
Sulfate	6.5		1.0	mg/L		04/16/25 20:59	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	0.062		0.050	mg/L		04/16/25 13:47	1	DS
Manganese	0.055		0.0050	mg/L		04/16/25 13:47	1	DS
Cadmium	<0.0010		0.0010	mg/L		04/16/25 13:47	1	DS
Antimony	<0.0010		0.0010	mg/L		04/16/25 13:47	1	DS
Beryllium	<0.0010	^+	0.0010	mg/L		04/16/25 13:47	1	DS
Barium	0.010		0.0010	mg/L		04/16/25 13:47	1	DS
Thallium	<0.0010		0.0010	mg/L		04/16/25 13:47	1	DS
Nickel	<0.0010		0.0010	mg/L		04/16/25 13:47	1	DS
Silver	<0.0010		0.0010	mg/L		04/16/25 13:47	1	DS
Arsenic	<0.0010		0.0010	mg/L		04/16/25 13:47	1	DS
Lead	<0.0010		0.0010	mg/L		04/16/25 13:47	1	DS
Chromium	<0.0010		0.0010	mg/L		04/16/25 13:47	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 09:17	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 16:26	1	EWG
Chemical Oxygen Demand (8000)	<11		11	mg/L		04/16/25 08:15	1	SEC
Chloride (SM 4500 Cl- E)	2.8		1.0	mg/L		04/16/25 09:17	1	ALS

Client Sample ID: B-934U_20250414

Lab Sample ID: 475-2732-5

Date Collected: 04/14/25 15:50

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/18/25 15:56	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	101		70 - 130			04/18/25 15:56	1	SLH
4-Bromofluorobenzene (Surr)	103		70 - 130			04/18/25 15:56	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
1,1,1,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 10:04	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 10:04	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 10:04	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 10:04	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 10:04	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Client Sample ID: B-934U_20250414

Lab Sample ID: 475-2732-5

Date Collected: 04/14/25 15:50

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 10:04	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 10:04	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 10:04	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 10:04	1	AMF
Acetone	<10		10	ug/L		04/17/25 10:04	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 10:04	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 10:04	1	AMF
Bromomethane	<2.0	*	2.0	ug/L		04/17/25 10:04	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 10:04	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 10:04	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 10:04	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 10:04	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 10:04	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 10:04	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 10:04	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 10:04	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 10:04	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 10:04	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Client Sample ID: B-934U_20250414

Lab Sample ID: 475-2732-5

Date Collected: 04/14/25 15:50

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Styrene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 10:04	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 10:04	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 10:04	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 10:04	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 10:04	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 10:04	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	103		70 - 130	04/17/25 10:04	1	AMF
1,2-Dichloroethane-d4 (Surr)	106		70 - 130	04/17/25 10:04	1	AMF
4-Bromofluorobenzene (Surr)	101		70 - 130	04/17/25 10:04	1	AMF
Toluene-d8 (Surr)	103		70 - 130	04/17/25 10:04	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	0.12		0.10	mg/L		04/16/25 21:14	1	SRG
Sulfate	35		1.0	mg/L		04/16/25 21:14	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	35		0.050	mg/L		04/16/25 13:52	1	DS
Manganese	6.9		0.0050	mg/L		04/16/25 13:52	1	DS
Cadmium	<0.0010		0.0010	mg/L		04/16/25 13:52	1	DS
Antimony	<0.0010		0.0010	mg/L		04/16/25 13:52	1	DS
Beryllium	<0.0010	^+	0.0010	mg/L		04/16/25 13:52	1	DS
Barium	0.056		0.0010	mg/L		04/16/25 13:52	1	DS
Thallium	<0.0010		0.0010	mg/L		04/16/25 13:52	1	DS
Nickel	0.0036		0.0010	mg/L		04/16/25 13:52	1	DS
Silver	<0.0010		0.0010	mg/L		04/16/25 13:52	1	DS
Arsenic	0.016		0.0010	mg/L		04/16/25 13:52	1	DS
Lead	<0.0010		0.0010	mg/L		04/16/25 13:52	1	DS
Chromium	<0.0010		0.0010	mg/L		04/16/25 13:52	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 09:19	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	1.3		0.50	mg/L		04/18/25 16:29	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/18/25 14:00	1	SRG
Chloride (SM 4500 Cl- E)	8.6		1.0	mg/L		04/16/25 09:19	1	ALS

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Client Sample ID: B-934L_20250414

Lab Sample ID: 475-2732-6

Date Collected: 04/14/25 16:01

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/18/25 16:22	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	101		70 - 130			04/18/25 16:22	1	SLH
4-Bromofluorobenzene (Surr)	104		70 - 130			04/18/25 16:22	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 10:29	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 10:29	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 10:29	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 10:29	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 10:29	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 10:29	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 10:29	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 10:29	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 10:29	1	AMF
Acetone	<10		10	ug/L		04/17/25 10:29	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 10:29	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 10:29	1	AMF
Bromomethane	<2.0	*	2.0	ug/L		04/17/25 10:29	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 10:29	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 10:29	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 10:29	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF

Eurofins Northeast Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Client Sample ID: B-934L_20250414

Lab Sample ID: 475-2732-6

Date Collected: 04/14/25 16:01

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 10:29	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 10:29	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 10:29	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 10:29	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 10:29	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 10:29	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 10:29	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 10:29	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 10:29	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 10:29	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 10:29	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 10:29	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 10:29	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	104		70 - 130	04/17/25 10:29	1	AMF
1,2-Dichloroethane-d4 (Surr)	111		70 - 130	04/17/25 10:29	1	AMF
4-Bromofluorobenzene (Surr)	102		70 - 130	04/17/25 10:29	1	AMF
Toluene-d8 (Surr)	101		70 - 130	04/17/25 10:29	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/16/25 21:28	1	SRG
Sulfate	13		1.0	mg/L		04/16/25 21:28	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	14		0.050	mg/L		04/16/25 13:56	1	DS
Manganese	2.9		0.0050	mg/L		04/16/25 13:56	1	DS
Cadmium	<0.0010		0.0010	mg/L		04/16/25 13:56	1	DS
Antimony	<0.0010		0.0010	mg/L		04/16/25 13:56	1	DS
Beryllium	<0.0010	^+	0.0010	mg/L		04/16/25 13:56	1	DS

Eurofins Northeast Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Client Sample ID: B-934L_20250414

Lab Sample ID: 475-2732-6

Date Collected: 04/14/25 16:01

Matrix: Water

Date Received: 04/15/25 13:00

Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Barium	0.063		0.0010	mg/L		04/16/25 13:56	1	DS
Thallium	<0.0010		0.0010	mg/L		04/16/25 13:56	1	DS
Nickel	0.0011		0.0010	mg/L		04/16/25 13:56	1	DS
Silver	<0.0010		0.0010	mg/L		04/16/25 13:56	1	DS
Arsenic	0.037		0.0010	mg/L		04/16/25 13:56	1	DS
Lead	<0.0010		0.0010	mg/L		04/16/25 13:56	1	DS
Chromium	<0.0010		0.0010	mg/L		04/16/25 13:56	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 09:20	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 16:32	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/18/25 14:00	1	SRG
Chloride (SM 4500 Cl- E)	2.7		1.0	mg/L		04/16/25 09:20	1	ALS

Client Sample ID: MW-802L_20250414

Lab Sample ID: 475-2732-7

Date Collected: 04/14/25 15:22

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/18/25 13:44	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/18/25 13:44	1	SLH
4-Bromofluorobenzene (Surr)	101		70 - 130			04/18/25 13:44	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 19:42	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 19:42	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 19:42	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 19:42	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 19:42	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 19:42	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Client Sample ID: MW-802L_20250414

Lab Sample ID: 475-2732-7

Date Collected: 04/14/25 15:22

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 19:42	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 19:42	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 19:42	1	AMF
Acetone	<10		10	ug/L		04/17/25 19:42	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 19:42	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 19:42	1	AMF
Bromomethane	<2.0		2.0	ug/L		04/17/25 19:42	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 19:42	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 19:42	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 19:42	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 19:42	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 19:42	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 19:42	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 19:42	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 19:42	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 19:42	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 19:42	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 19:42	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 19:42	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 19:42	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 19:42	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Client Sample ID: MW-802L_20250414

Lab Sample ID: 475-2732-7

Date Collected: 04/14/25 15:22

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 19:42	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 19:42	1	AMF
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	100		70 - 130			04/17/25 19:42	1	AMF
1,2-Dichloroethane-d4 (Surr)	102		70 - 130			04/17/25 19:42	1	AMF
4-Bromofluorobenzene (Surr)	100		70 - 130			04/17/25 19:42	1	AMF
Toluene-d8 (Surr)	100		70 - 130			04/17/25 19:42	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/16/25 21:43	1	SRG
Sulfate	3.7		1.0	mg/L		04/16/25 21:43	1	SRG

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	0.29		0.050	mg/L		04/16/25 14:01	1	DS
Manganese	0.39		0.0050	mg/L		04/16/25 14:01	1	DS
Cadmium	<0.0010		0.0010	mg/L		04/16/25 14:01	1	DS
Antimony	<0.0010		0.0010	mg/L		04/16/25 14:01	1	DS
Beryllium	<0.0010	^+	0.0010	mg/L		04/16/25 14:01	1	DS
Barium	0.010		0.0010	mg/L		04/16/25 14:01	1	DS
Thallium	<0.0010		0.0010	mg/L		04/16/25 14:01	1	DS
Nickel	<0.0010		0.0010	mg/L		04/16/25 14:01	1	DS
Silver	<0.0010		0.0010	mg/L		04/16/25 14:01	1	DS
Arsenic	<0.0010		0.0010	mg/L		04/16/25 14:01	1	DS
Lead	<0.0010		0.0010	mg/L		04/16/25 14:01	1	DS
Chromium	<0.0010		0.0010	mg/L		04/16/25 14:01	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 09:22	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 16:35	1	EWG
Chemical Oxygen Demand (8000)	<11		11	mg/L		04/18/25 14:00	1	SRG
Chloride (SM 4500 Cl- E)	9.4		1.0	mg/L		04/16/25 09:22	1	ALS

Client Sample ID: SSI-TB-GW-01_20250414

Lab Sample ID: 475-2732-8

Date Collected: 04/14/25 16:35

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/17/25 19:17	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/17/25 19:17	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/17/25 19:17	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Client Sample ID: SSI-TB-GW-01_20250414

Lab Sample ID: 475-2732-8

Date Collected: 04/14/25 16:35

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/17/25 19:17	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/17/25 19:17	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
1,4-Dioxane	<50		50	ug/L		04/17/25 19:17	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/17/25 19:17	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
2-Hexanone	<10		10	ug/L		04/17/25 19:17	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/17/25 19:17	1	AMF
Acetone	<10		10	ug/L		04/17/25 19:17	1	AMF
Benzene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/17/25 19:17	1	AMF
Bromoform	<2.0		2.0	ug/L		04/17/25 19:17	1	AMF
Bromomethane	<2.0		2.0	ug/L		04/17/25 19:17	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/17/25 19:17	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/17/25 19:17	1	AMF
Chloroform	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/17/25 19:17	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 19:17	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/17/25 19:17	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/17/25 19:17	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/17/25 19:17	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/17/25 19:17	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/17/25 19:17	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/17/25 19:17	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Client Sample ID: SSI-TB-GW-01_20250414

Lab Sample ID: 475-2732-8

Date Collected: 04/14/25 16:35

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
o-Xylene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
Styrene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/17/25 19:17	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/17/25 19:17	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/17/25 19:17	1	AMF
Toluene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/17/25 19:17	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/17/25 19:17	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/17/25 19:17	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	100		70 - 130	04/17/25 19:17	1	AMF
1,2-Dichloroethane-d4 (Surr)	103		70 - 130	04/17/25 19:17	1	AMF
4-Bromofluorobenzene (Surr)	99		70 - 130	04/17/25 19:17	1	AMF
Toluene-d8 (Surr)	100		70 - 130	04/17/25 19:17	1	AMF

Client Sample ID: SSI-TB-LL-GW-01_20250414

Lab Sample ID: 475-2732-9

Date Collected: 04/14/25 16:35

Matrix: Water

Date Received: 04/15/25 13:00

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/18/25 11:58	1	SLH

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130	04/18/25 11:58	1	SLH
4-Bromofluorobenzene (Surr)	101		70 - 130	04/18/25 11:58	1	SLH

QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 475-3705/4

Matrix: Water

Analysis Batch: 3705

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.20		0.20	ug/L			04/22/25 11:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130				04/22/25 11:26	1
4-Bromofluorobenzene (Surr)	103		70 - 130				04/22/25 11:26	1

Lab Sample ID: LCS 475-3705/2

Matrix: Water

Analysis Batch: 3705

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	5.00	5.58		ug/L		112	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	100		70 - 130				
4-Bromofluorobenzene (Surr)	101		70 - 130				

Lab Sample ID: LCSD 475-3705/3

Matrix: Water

Analysis Batch: 3705

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	5.00	5.48		ug/L		110	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	100		70 - 130						
4-Bromofluorobenzene (Surr)	102		70 - 130						

Lab Sample ID: MB 475-3706/4

Matrix: Water

Analysis Batch: 3706

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.25		0.25	ug/L			04/18/25 11:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130				04/18/25 11:01	1
4-Bromofluorobenzene (Surr)	101		70 - 130				04/18/25 11:01	1

Lab Sample ID: LCS 475-3706/2

Matrix: Water

Analysis Batch: 3706

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	5.00	5.27		ug/L		105	70 - 130

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Method: 8260B SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 475-3706/2

Matrix: Water

Analysis Batch: 3706

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 475-3706/3

Matrix: Water

Analysis Batch: 3706

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	5.00	5.40		ug/L		108	70 - 130	2	20
	LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits						
Toluene-d8 (Surr)	100		70 - 130						
4-Bromofluorobenzene (Surr)	102		70 - 130						

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 475-3512/5

Matrix: Water

Analysis Batch: 3512

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0	ug/L			04/17/25 02:13	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L			04/17/25 02:13	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			04/17/25 02:13	1
1,1-Dichloroethane	<1.0		1.0	ug/L			04/17/25 02:13	1
1,1-Dichloroethene	<0.50		0.50	ug/L			04/17/25 02:13	1
1,1-Dichloropropene	<1.0		1.0	ug/L			04/17/25 02:13	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			04/17/25 02:13	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			04/17/25 02:13	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L			04/17/25 02:13	1
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L			04/17/25 02:13	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
1,2-Dichloroethane	<1.0		1.0	ug/L			04/17/25 02:13	1
1,2-Dichloropropane	<1.0		1.0	ug/L			04/17/25 02:13	1
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
1,3-Dichloropropane	<1.0		1.0	ug/L			04/17/25 02:13	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
1,4-Dioxane	<50		50	ug/L			04/17/25 02:13	1
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L			04/17/25 02:13	1
2,2-Dichloropropane	<1.0		1.0	ug/L			04/17/25 02:13	1
2-Butanone (MEK)	<10		10	ug/L			04/17/25 02:13	1
2-Chlorotoluene	<1.0		1.0	ug/L			04/17/25 02:13	1
2-Hexanone	<10		10	ug/L			04/17/25 02:13	1
4-Chlorotoluene	<1.0		1.0	ug/L			04/17/25 02:13	1

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 475-3512/5

Matrix: Water

Analysis Batch: 3512

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L			04/17/25 02:13	1
Acetone	<10		10	ug/L			04/17/25 02:13	1
Benzene	<1.0		1.0	ug/L			04/17/25 02:13	1
Bromobenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
Bromochloromethane	<1.0		1.0	ug/L			04/17/25 02:13	1
Bromodichloromethane	<0.50		0.50	ug/L			04/17/25 02:13	1
Bromoform	<2.0		2.0	ug/L			04/17/25 02:13	1
Bromomethane	<2.0		2.0	ug/L			04/17/25 02:13	1
Carbon disulfide	<2.0		2.0	ug/L			04/17/25 02:13	1
Carbon tetrachloride	<1.0		1.0	ug/L			04/17/25 02:13	1
Chlorobenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
Chloroethane	<2.0		2.0	ug/L			04/17/25 02:13	1
Chloroform	<1.0		1.0	ug/L			04/17/25 02:13	1
Chloromethane	<2.0		2.0	ug/L			04/17/25 02:13	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			04/17/25 02:13	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			04/17/25 02:13	1
Dibromochloromethane	<1.0		1.0	ug/L			04/17/25 02:13	1
Dibromomethane	<1.0		1.0	ug/L			04/17/25 02:13	1
Dichlorodifluoromethane	<2.0		2.0	ug/L			04/17/25 02:13	1
Diethyl ether	<2.0		2.0	ug/L			04/17/25 02:13	1
Ethylbenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L			04/17/25 02:13	1
Hexachlorobutadiene	<0.50		0.50	ug/L			04/17/25 02:13	1
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L			04/17/25 02:13	1
Isopropylbenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
m,p-Xylene	<1.0		1.0	ug/L			04/17/25 02:13	1
Methylene Chloride	<1.0		1.0	ug/L			04/17/25 02:13	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			04/17/25 02:13	1
Naphthalene	<2.0		2.0	ug/L			04/17/25 02:13	1
n-Butylbenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
N-Propylbenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
o-Xylene	<1.0		1.0	ug/L			04/17/25 02:13	1
p-Isopropyltoluene	<1.0		1.0	ug/L			04/17/25 02:13	1
sec-Butylbenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
Styrene	<1.0		1.0	ug/L			04/17/25 02:13	1
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L			04/17/25 02:13	1
tert-Butyl alcohol (TBA)	<30		30	ug/L			04/17/25 02:13	1
tert-Butylbenzene	<1.0		1.0	ug/L			04/17/25 02:13	1
Tetrachloroethene	<1.0		1.0	ug/L			04/17/25 02:13	1
Tetrahydrofuran (THF)	<10		10	ug/L			04/17/25 02:13	1
Toluene	<1.0		1.0	ug/L			04/17/25 02:13	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			04/17/25 02:13	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			04/17/25 02:13	1
Trichloroethene	<1.0		1.0	ug/L			04/17/25 02:13	1
Trichlorofluoromethane	<2.0		2.0	ug/L			04/17/25 02:13	1
Vinyl chloride	<1.0		1.0	ug/L			04/17/25 02:13	1

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 475-3512/5

Matrix: Water

Analysis Batch: 3512

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	102		70 - 130		04/17/25 02:13	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		04/17/25 02:13	1
4-Bromofluorobenzene (Surr)	103		70 - 130		04/17/25 02:13	1
Toluene-d8 (Surr)	101		70 - 130		04/17/25 02:13	1

Lab Sample ID: LCS 475-3512/2

Matrix: Water

Analysis Batch: 3512

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	21.5		ug/L		108	70 - 130
1,1,2,2-Tetrachloroethane	20.0	22.7		ug/L		114	70 - 130
1,1,2-Trichloroethane	20.0	22.7		ug/L		114	70 - 130
1,1-Dichloroethane	20.0	22.2		ug/L		111	70 - 130
1,1-Dichloroethene	20.0	21.9		ug/L		110	70 - 130
1,1-Dichloropropene	20.0	22.3		ug/L		111	70 - 130
1,2,3-Trichlorobenzene	20.0	23.5		ug/L		117	70 - 130
1,2,3-Trichloropropane	20.0	22.0		ug/L		110	70 - 130
1,2,4-Trichlorobenzene	20.0	21.5		ug/L		108	70 - 130
1,2,4-Trimethylbenzene	20.0	20.7		ug/L		103	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	23.8		ug/L		119	70 - 130
1,2-Dibromoethane (EDB)	20.0	22.7		ug/L		114	70 - 130
1,2-Dichlorobenzene	20.0	21.9		ug/L		110	70 - 130
1,2-Dichloroethane	20.0	21.8		ug/L		109	70 - 130
1,2-Dichloropropane	20.0	22.3		ug/L		112	70 - 130
1,3,5-Trichlorobenzene	20.0	21.7		ug/L		109	70 - 130
1,3,5-Trimethylbenzene	20.0	20.3		ug/L		102	70 - 130
1,3-Dichlorobenzene	20.0	21.2		ug/L		106	70 - 130
1,3-Dichloropropane	20.0	22.3		ug/L		111	70 - 130
1,4-Dichlorobenzene	20.0	21.2		ug/L		106	70 - 130
1,4-Dioxane	20.0	25.5 J		ug/L		127	40 - 160
1,1,1,2-Tetrachloroethane (Surr)	20.0	21.4		ug/L		107	70 - 130
2,2-Dichloropropane	20.0	20.4		ug/L		102	70 - 130
2-Butanone (MEK)	20.0	23.7		ug/L		119	40 - 160
2-Chlorotoluene	20.0	20.7		ug/L		103	70 - 130
2-Hexanone	20.0	24.8		ug/L		124	40 - 160
4-Chlorotoluene	20.0	21.3		ug/L		106	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	22.2		ug/L		111	40 - 160
Acetone	20.0	20.0		ug/L		100	40 - 160
Benzene	20.0	21.7		ug/L		109	70 - 130
Bromobenzene	20.0	21.3		ug/L		106	70 - 130
Bromochloromethane	20.0	21.8		ug/L		109	70 - 130
Bromodichloromethane	20.0	20.5		ug/L		102	70 - 130
Bromoform	20.0	22.8		ug/L		114	70 - 130
Bromomethane	20.0	6.32 *-		ug/L		32	40 - 160
Carbon disulfide	20.0	19.0		ug/L		95	70 - 130
Carbon tetrachloride	20.0	21.9		ug/L		110	70 - 130
Chlorobenzene	20.0	21.7		ug/L		108	70 - 130

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 475-3512/2

Matrix: Water

Analysis Batch: 3512

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroethane	20.0	19.2		ug/L		96	70 - 130
Chloroform	20.0	20.5		ug/L		103	70 - 130
Chloromethane	20.0	19.8		ug/L		99	40 - 160
cis-1,2-Dichloroethene	20.0	21.4		ug/L		107	70 - 130
cis-1,3-Dichloropropene	20.0	20.7		ug/L		104	70 - 130
Dibromochloromethane	20.0	21.3		ug/L		106	70 - 130
Dibromomethane	20.0	21.9		ug/L		110	70 - 130
Dichlorodifluoromethane	20.0	24.5		ug/L		122	40 - 160
Diethyl ether	20.0	22.7		ug/L		114	70 - 130
Ethylbenzene	20.0	21.5		ug/L		108	70 - 130
Ethyl-t-butyl ether (ETBE)	20.0	22.4		ug/L		112	70 - 130
Hexachlorobutadiene	20.0	19.9		ug/L		99	70 - 130
Isopropyl Ether (DIPE)	20.0	21.8		ug/L		109	70 - 130
Isopropylbenzene	20.0	18.7		ug/L		94	70 - 130
m,p-Xylene	40.0	42.7		ug/L		107	70 - 130
Methylene Chloride	20.0	21.0		ug/L		105	70 - 130
Methyl-t-Butyl Ether (MTBE)	20.0	21.8		ug/L		109	70 - 130
Naphthalene	20.0	23.6		ug/L		118	70 - 130
n-Butylbenzene	20.0	20.6		ug/L		103	70 - 130
N-Propylbenzene	20.0	21.0		ug/L		105	70 - 130
o-Xylene	20.0	21.5		ug/L		107	70 - 130
p-Isopropyltoluene	20.0	21.0		ug/L		105	70 - 130
sec-Butylbenzene	20.0	21.2		ug/L		106	70 - 130
Styrene	20.0	22.0		ug/L		110	70 - 130
tert-Amyl Methyl Ether (TAME)	20.0	22.0		ug/L		110	70 - 130
tert-Butyl alcohol (TBA)	100	124		ug/L		124	70 - 130
tert-Butylbenzene	20.0	20.4		ug/L		102	70 - 130
Tetrachloroethene	20.0	21.7		ug/L		109	70 - 130
Tetrahydrofuran (THF)	20.0	22.5		ug/L		113	70 - 130
Toluene	20.0	22.2		ug/L		111	70 - 130
trans-1,2-Dichloroethene	20.0	21.3		ug/L		107	70 - 130
trans-1,3-Dichloropropene	20.0	23.1		ug/L		115	70 - 130
Trichloroethene	20.0	21.6		ug/L		108	70 - 130
Trichlorofluoromethane	20.0	22.5		ug/L		113	70 - 130
Vinyl chloride	20.0	20.6		ug/L		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	105		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCSD 475-3512/3

Matrix: Water

Analysis Batch: 3512

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
1,1,1-Trichloroethane	20.0	21.7		ug/L		108	70 - 130	1	20

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 475-3512/3

Matrix: Water

Analysis Batch: 3512

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	20.0	22.1		ug/L		110	70 - 130	3	20
1,1,2-Trichloroethane	20.0	22.3		ug/L		112	70 - 130	2	20
1,1-Dichloroethane	20.0	22.2		ug/L		111	70 - 130	0	20
1,1-Dichloroethene	20.0	22.0		ug/L		110	70 - 130	0	20
1,1-Dichloropropene	20.0	22.4		ug/L		112	70 - 130	0	20
1,2,3-Trichlorobenzene	20.0	23.0		ug/L		115	70 - 130	2	20
1,2,3-Trichloropropane	20.0	21.6		ug/L		108	70 - 130	2	20
1,2,4-Trichlorobenzene	20.0	21.1		ug/L		106	70 - 130	2	20
1,2,4-Trimethylbenzene	20.0	20.3		ug/L		102	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	20.0	23.2		ug/L		116	70 - 130	3	20
1,2-Dibromoethane (EDB)	20.0	22.1		ug/L		110	70 - 130	3	20
1,2-Dichlorobenzene	20.0	21.4		ug/L		107	70 - 130	2	20
1,2-Dichloroethane	20.0	21.7		ug/L		109	70 - 130	1	20
1,2-Dichloropropane	20.0	22.0		ug/L		110	70 - 130	2	20
1,3,5-Trichlorobenzene	20.0	21.4		ug/L		107	70 - 130	1	20
1,3,5-Trimethylbenzene	20.0	20.0		ug/L		100	70 - 130	2	20
1,3-Dichlorobenzene	20.0	20.9		ug/L		104	70 - 130	2	20
1,3-Dichloropropane	20.0	22.3		ug/L		111	70 - 130	0	20
1,4-Dichlorobenzene	20.0	20.6		ug/L		103	70 - 130	3	20
1,4-Dioxane	20.0	25.0 J		ug/L		125	40 - 160	2	20
1,1,1,2-Tetrachloroethane (Surr)	20.0	21.2		ug/L		106	70 - 130	1	20
2,2-Dichloropropane	20.0	20.0		ug/L		100	70 - 130	2	20
2-Butanone (MEK)	20.0	23.5		ug/L		117	40 - 160	1	20
2-Chlorotoluene	20.0	20.4		ug/L		102	70 - 130	1	20
2-Hexanone	20.0	24.3		ug/L		121	40 - 160	2	20
4-Chlorotoluene	20.0	20.8		ug/L		104	70 - 130	2	20
4-Methyl-2-pentanone (MIBK)	20.0	21.9		ug/L		109	40 - 160	2	20
Acetone	20.0	20.9		ug/L		104	40 - 160	5	20
Benzene	20.0	21.7		ug/L		108	70 - 130	0	20
Bromobenzene	20.0	20.7		ug/L		103	70 - 130	3	20
Bromochloromethane	20.0	21.4		ug/L		107	70 - 130	2	20
Bromodichloromethane	20.0	20.3		ug/L		101	70 - 130	1	20
Bromoform	20.0	22.3		ug/L		111	70 - 130	2	20
Bromomethane	20.0	7.45 *-		ug/L		37	40 - 160	16	20
Carbon disulfide	20.0	19.1		ug/L		95	70 - 130	0	20
Carbon tetrachloride	20.0	22.1		ug/L		110	70 - 130	1	20
Chlorobenzene	20.0	21.4		ug/L		107	70 - 130	1	20
Chloroethane	20.0	18.9		ug/L		95	70 - 130	2	20
Chloroform	20.0	20.2		ug/L		101	70 - 130	2	20
Chloromethane	20.0	19.8		ug/L		99	40 - 160	0	20
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	70 - 130	2	20
cis-1,3-Dichloropropene	20.0	20.6		ug/L		103	70 - 130	1	20
Dibromochloromethane	20.0	20.8		ug/L		104	70 - 130	2	20
Dibromomethane	20.0	21.6		ug/L		108	70 - 130	2	20
Dichlorodifluoromethane	20.0	24.1		ug/L		121	40 - 160	1	20
Diethyl ether	20.0	22.7		ug/L		114	70 - 130	0	20
Ethylbenzene	20.0	21.4		ug/L		107	70 - 130	1	20
Ethyl-t-butyl ether (ETBE)	20.0	22.0		ug/L		110	70 - 130	2	20
Hexachlorobutadiene	20.0	19.7		ug/L		99	70 - 130	1	20

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 475-3512/3

Matrix: Water

Analysis Batch: 3512

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Isopropyl Ether (DIPE)	20.0	21.4		ug/L		107	70 - 130	2	20
Isopropylbenzene	20.0	18.9		ug/L		95	70 - 130	1	20
m,p-Xylene	40.0	42.2		ug/L		105	70 - 130	1	20
Methylene Chloride	20.0	20.6		ug/L		103	70 - 130	2	20
Methyl-t-Butyl Ether (MTBE)	20.0	21.3		ug/L		107	70 - 130	2	20
Naphthalene	20.0	23.0		ug/L		115	70 - 130	3	20
n-Butylbenzene	20.0	20.2		ug/L		101	70 - 130	2	20
N-Propylbenzene	20.0	20.5		ug/L		102	70 - 130	2	20
o-Xylene	20.0	21.2		ug/L		106	70 - 130	1	20
p-Isopropyltoluene	20.0	20.8		ug/L		104	70 - 130	1	20
sec-Butylbenzene	20.0	21.2		ug/L		106	70 - 130	0	20
Styrene	20.0	21.6		ug/L		108	70 - 130	2	20
tert-Amyl Methyl Ether (TAME)	20.0	21.7		ug/L		109	70 - 130	1	20
tert-Butyl alcohol (TBA)	100	119		ug/L		119	70 - 130	4	20
tert-Butylbenzene	20.0	20.0		ug/L		100	70 - 130	2	20
Tetrachloroethene	20.0	21.5		ug/L		108	70 - 130	1	20
Tetrahydrofuran (THF)	20.0	22.5		ug/L		113	70 - 130	0	20
Toluene	20.0	21.9		ug/L		110	70 - 130	1	20
trans-1,2-Dichloroethene	20.0	21.2		ug/L		106	70 - 130	1	20
trans-1,3-Dichloropropene	20.0	22.6		ug/L		113	70 - 130	2	20
Trichloroethene	20.0	21.5		ug/L		107	70 - 130	0	20
Trichlorofluoromethane	20.0	22.4		ug/L		112	70 - 130	0	20
Vinyl chloride	20.0	20.3		ug/L		101	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	107		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: MB 475-3526/5

Matrix: Water

Analysis Batch: 3526

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0	ug/L			04/17/25 14:24	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L			04/17/25 14:24	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			04/17/25 14:24	1
1,1-Dichloroethane	<1.0		1.0	ug/L			04/17/25 14:24	1
1,1-Dichloroethene	<0.50		0.50	ug/L			04/17/25 14:24	1
1,1-Dichloropropene	<1.0		1.0	ug/L			04/17/25 14:24	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			04/17/25 14:24	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			04/17/25 14:24	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L			04/17/25 14:24	1
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L			04/17/25 14:24	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			04/17/25 14:24	1

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 475-3526/5

Matrix: Water

Analysis Batch: 3526

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<1.0		1.0	ug/L			04/17/25 14:24	1
1,2-Dichloropropane	<1.0		1.0	ug/L			04/17/25 14:24	1
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
1,3-Dichloropropane	<1.0		1.0	ug/L			04/17/25 14:24	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
1,4-Dioxane	<50		50	ug/L			04/17/25 14:24	1
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L			04/17/25 14:24	1
2,2-Dichloropropane	<1.0		1.0	ug/L			04/17/25 14:24	1
2-Butanone (MEK)	<10		10	ug/L			04/17/25 14:24	1
2-Chlorotoluene	<1.0		1.0	ug/L			04/17/25 14:24	1
2-Hexanone	<10		10	ug/L			04/17/25 14:24	1
4-Chlorotoluene	<1.0		1.0	ug/L			04/17/25 14:24	1
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L			04/17/25 14:24	1
Acetone	<10		10	ug/L			04/17/25 14:24	1
Benzene	<1.0		1.0	ug/L			04/17/25 14:24	1
Bromobenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
Bromochloromethane	<1.0		1.0	ug/L			04/17/25 14:24	1
Bromodichloromethane	<0.50		0.50	ug/L			04/17/25 14:24	1
Bromoform	<2.0		2.0	ug/L			04/17/25 14:24	1
Bromomethane	<2.0		2.0	ug/L			04/17/25 14:24	1
Carbon disulfide	<2.0		2.0	ug/L			04/17/25 14:24	1
Carbon tetrachloride	<1.0		1.0	ug/L			04/17/25 14:24	1
Chlorobenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
Chloroethane	<2.0		2.0	ug/L			04/17/25 14:24	1
Chloroform	<1.0		1.0	ug/L			04/17/25 14:24	1
Chloromethane	<2.0		2.0	ug/L			04/17/25 14:24	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			04/17/25 14:24	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			04/17/25 14:24	1
Dibromochloromethane	<1.0		1.0	ug/L			04/17/25 14:24	1
Dibromomethane	<1.0		1.0	ug/L			04/17/25 14:24	1
Dichlorodifluoromethane	<2.0		2.0	ug/L			04/17/25 14:24	1
Diethyl ether	<2.0		2.0	ug/L			04/17/25 14:24	1
Ethylbenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L			04/17/25 14:24	1
Hexachlorobutadiene	<0.50		0.50	ug/L			04/17/25 14:24	1
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L			04/17/25 14:24	1
Isopropylbenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
m,p-Xylene	<1.0		1.0	ug/L			04/17/25 14:24	1
Methylene Chloride	<1.0		1.0	ug/L			04/17/25 14:24	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			04/17/25 14:24	1
Naphthalene	<2.0		2.0	ug/L			04/17/25 14:24	1
n-Butylbenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
N-Propylbenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
o-Xylene	<1.0		1.0	ug/L			04/17/25 14:24	1
p-Isopropyltoluene	<1.0		1.0	ug/L			04/17/25 14:24	1
sec-Butylbenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
Styrene	<1.0		1.0	ug/L			04/17/25 14:24	1

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 475-3526/5

Matrix: Water

Analysis Batch: 3526

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L			04/17/25 14:24	1
tert-Butyl alcohol (TBA)	<30		30	ug/L			04/17/25 14:24	1
tert-Butylbenzene	<1.0		1.0	ug/L			04/17/25 14:24	1
Tetrachloroethene	<1.0		1.0	ug/L			04/17/25 14:24	1
Tetrahydrofuran (THF)	<10		10	ug/L			04/17/25 14:24	1
Toluene	<1.0		1.0	ug/L			04/17/25 14:24	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			04/17/25 14:24	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			04/17/25 14:24	1
Trichloroethene	<1.0		1.0	ug/L			04/17/25 14:24	1
Trichlorofluoromethane	<2.0		2.0	ug/L			04/17/25 14:24	1
Vinyl chloride	<1.0		1.0	ug/L			04/17/25 14:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	99		70 - 130		04/17/25 14:24	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		04/17/25 14:24	1
4-Bromofluorobenzene (Surr)	100		70 - 130		04/17/25 14:24	1
Toluene-d8 (Surr)	102		70 - 130		04/17/25 14:24	1

Lab Sample ID: LCS 475-3526/2

Matrix: Water

Analysis Batch: 3526

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	22.1		ug/L		111	70 - 130
1,1,2,2-Tetrachloroethane	20.0	21.7		ug/L		108	70 - 130
1,1,2-Trichloroethane	20.0	21.3		ug/L		107	70 - 130
1,1-Dichloroethane	20.0	22.7		ug/L		113	70 - 130
1,1-Dichloroethene	20.0	22.6		ug/L		113	70 - 130
1,1-Dichloropropene	20.0	23.2		ug/L		116	70 - 130
1,2,3-Trichlorobenzene	20.0	23.0		ug/L		115	70 - 130
1,2,3-Trichloropropane	20.0	20.9		ug/L		104	70 - 130
1,2,4-Trichlorobenzene	20.0	21.9		ug/L		109	70 - 130
1,2,4-Trimethylbenzene	20.0	22.3		ug/L		112	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	21.9		ug/L		110	70 - 130
1,2-Dibromoethane (EDB)	20.0	21.2		ug/L		106	70 - 130
1,2-Dichlorobenzene	20.0	21.9		ug/L		109	70 - 130
1,2-Dichloroethane	20.0	20.9		ug/L		105	70 - 130
1,2-Dichloropropane	20.0	22.1		ug/L		110	70 - 130
1,3,5-Trichlorobenzene	20.0	23.1		ug/L		115	70 - 130
1,3,5-Trimethylbenzene	20.0	22.2		ug/L		111	70 - 130
1,3-Dichlorobenzene	20.0	22.3		ug/L		111	70 - 130
1,3-Dichloropropane	20.0	21.3		ug/L		107	70 - 130
1,4-Dichlorobenzene	20.0	21.8		ug/L		109	70 - 130
1,4-Dioxane	20.0	22.6	J	ug/L		113	40 - 160
1,1,1,2-Tetrachloroethane (Surr)	20.0	21.3		ug/L		107	70 - 130
2,2-Dichloropropane	20.0	23.5		ug/L		117	70 - 130
2-Butanone (MEK)	20.0	21.1		ug/L		106	40 - 160
2-Chlorotoluene	20.0	22.3		ug/L		111	70 - 130

Eurofins Northeast Concord

QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 475-3526/2

Matrix: Water

Analysis Batch: 3526

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	20.0	22.3		ug/L		111	40 - 160
4-Chlorotoluene	20.0	22.6		ug/L		113	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	20.5		ug/L		103	40 - 160
Acetone	20.0	18.7		ug/L		94	40 - 160
Benzene	20.0	22.3		ug/L		112	70 - 130
Bromobenzene	20.0	21.3		ug/L		107	70 - 130
Bromochloromethane	20.0	20.7		ug/L		104	70 - 130
Bromodichloromethane	20.0	20.0		ug/L		100	70 - 130
Bromoform	20.0	20.7		ug/L		104	70 - 130
Bromomethane	20.0	13.4		ug/L		67	40 - 160
Carbon disulfide	20.0	19.6		ug/L		98	70 - 130
Carbon tetrachloride	20.0	22.7		ug/L		114	70 - 130
Chlorobenzene	20.0	22.0		ug/L		110	70 - 130
Chloroethane	20.0	18.8		ug/L		94	70 - 130
Chloroform	20.0	20.5		ug/L		103	70 - 130
Chloromethane	20.0	18.9		ug/L		95	40 - 160
cis-1,2-Dichloroethene	20.0	21.7		ug/L		108	70 - 130
cis-1,3-Dichloropropene	20.0	20.6		ug/L		103	70 - 130
Dibromochloromethane	20.0	19.9		ug/L		100	70 - 130
Dibromomethane	20.0	20.5		ug/L		103	70 - 130
Dichlorodifluoromethane	20.0	23.6		ug/L		118	40 - 160
Diethyl ether	20.0	21.4		ug/L		107	70 - 130
Ethylbenzene	20.0	22.7		ug/L		113	70 - 130
Ethyl-t-butyl ether (ETBE)	20.0	21.4		ug/L		107	70 - 130
Hexachlorobutadiene	20.0	23.2		ug/L		116	70 - 130
Isopropyl Ether (DIPE)	20.0	21.4		ug/L		107	70 - 130
Isopropylbenzene	20.0	20.2		ug/L		101	70 - 130
m,p-Xylene	40.0	44.7		ug/L		112	70 - 130
Methylene Chloride	20.0	20.6		ug/L		103	70 - 130
Methyl-t-Butyl Ether (MTBE)	20.0	20.2		ug/L		101	70 - 130
Naphthalene	20.0	22.3		ug/L		112	70 - 130
n-Butylbenzene	20.0	23.7		ug/L		118	70 - 130
N-Propylbenzene	20.0	22.8		ug/L		114	70 - 130
o-Xylene	20.0	22.0		ug/L		110	70 - 130
p-Isopropyltoluene	20.0	23.9		ug/L		120	70 - 130
sec-Butylbenzene	20.0	24.1		ug/L		120	70 - 130
Styrene	20.0	22.1		ug/L		110	70 - 130
tert-Amyl Methyl Ether (TAME)	20.0	20.7		ug/L		103	70 - 130
tert-Butyl alcohol (TBA)	100	115		ug/L		115	70 - 130
tert-Butylbenzene	20.0	22.4		ug/L		112	70 - 130
Tetrachloroethene	20.0	23.1		ug/L		115	70 - 130
Tetrahydrofuran (THF)	20.0	20.8		ug/L		104	70 - 130
Toluene	20.0	22.9		ug/L		114	70 - 130
trans-1,2-Dichloroethene	20.0	21.9		ug/L		109	70 - 130
trans-1,3-Dichloropropene	20.0	22.0		ug/L		110	70 - 130
Trichloroethene	20.0	22.3		ug/L		112	70 - 130
Trichlorofluoromethane	20.0	22.0		ug/L		110	70 - 130
Vinyl chloride	20.0	19.9		ug/L		99	70 - 130

Eurofins Northeast Concord

QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 475-3526/2

Matrix: Water

Analysis Batch: 3526

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Lab Sample ID: LCSD 475-3526/3

Matrix: Water

Analysis Batch: 3526

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	21.5		ug/L		108	70 - 130	3	20
1,1,2,2-Tetrachloroethane	20.0	20.9		ug/L		105	70 - 130	4	20
1,1,2-Trichloroethane	20.0	21.0		ug/L		105	70 - 130	1	20
1,1-Dichloroethane	20.0	22.3		ug/L		111	70 - 130	2	20
1,1-Dichloroethene	20.0	21.9		ug/L		109	70 - 130	3	20
1,1-Dichloropropene	20.0	22.5		ug/L		112	70 - 130	3	20
1,2,3-Trichlorobenzene	20.0	22.4		ug/L		112	70 - 130	2	20
1,2,3-Trichloropropane	20.0	20.3		ug/L		101	70 - 130	3	20
1,2,4-Trichlorobenzene	20.0	21.6		ug/L		108	70 - 130	1	20
1,2,4-Trimethylbenzene	20.0	21.6		ug/L		108	70 - 130	3	20
1,2-Dibromo-3-Chloropropane	20.0	21.2		ug/L		106	70 - 130	4	20
1,2-Dibromoethane (EDB)	20.0	20.8		ug/L		104	70 - 130	2	20
1,2-Dichlorobenzene	20.0	21.7		ug/L		108	70 - 130	1	20
1,2-Dichloroethane	20.0	20.9		ug/L		105	70 - 130	0	20
1,2-Dichloropropane	20.0	21.9		ug/L		110	70 - 130	1	20
1,3,5-Trichlorobenzene	20.0	22.7		ug/L		114	70 - 130	2	20
1,3,5-Trimethylbenzene	20.0	21.1		ug/L		106	70 - 130	5	20
1,3-Dichlorobenzene	20.0	21.8		ug/L		109	70 - 130	2	20
1,3-Dichloropropane	20.0	21.0		ug/L		105	70 - 130	1	20
1,4-Dichlorobenzene	20.0	21.3		ug/L		107	70 - 130	2	20
1,4-Dioxane	20.0	21.5 J		ug/L		108	40 - 160	5	20
1,1,1,2-Tetrachloroethane (Surr)	20.0	20.6		ug/L		103	70 - 130	3	20
2,2-Dichloropropane	20.0	22.7		ug/L		113	70 - 130	4	20
2-Butanone (MEK)	20.0	20.5		ug/L		103	40 - 160	3	20
2-Chlorotoluene	20.0	21.4		ug/L		107	70 - 130	4	20
2-Hexanone	20.0	21.4		ug/L		107	40 - 160	4	20
4-Chlorotoluene	20.0	21.9		ug/L		109	70 - 130	3	20
4-Methyl-2-pentanone (MIBK)	20.0	20.0		ug/L		100	40 - 160	2	20
Acetone	20.0	18.3		ug/L		91	40 - 160	2	20
Benzene	20.0	21.8		ug/L		109	70 - 130	2	20
Bromobenzene	20.0	21.0		ug/L		105	70 - 130	2	20
Bromochloromethane	20.0	20.8		ug/L		104	70 - 130	0	20
Bromodichloromethane	20.0	19.9		ug/L		100	70 - 130	0	20
Bromoform	20.0	20.3		ug/L		102	70 - 130	2	20
Bromomethane	20.0	15.2		ug/L		76	40 - 160	13	20
Carbon disulfide	20.0	18.9		ug/L		94	70 - 130	4	20
Carbon tetrachloride	20.0	22.2		ug/L		111	70 - 130	3	20
Chlorobenzene	20.0	21.2		ug/L		106	70 - 130	4	20

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 475-3526/3

Matrix: Water

Analysis Batch: 3526

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroethane	20.0	18.5		ug/L		92	70 - 130	2	20
Chloroform	20.0	20.3		ug/L		101	70 - 130	1	20
Chloromethane	20.0	18.2		ug/L		91	40 - 160	4	20
cis-1,2-Dichloroethene	20.0	21.4		ug/L		107	70 - 130	1	20
cis-1,3-Dichloropropene	20.0	20.5		ug/L		102	70 - 130	0	20
Dibromochloromethane	20.0	19.7		ug/L		99	70 - 130	1	20
Dibromomethane	20.0	20.6		ug/L		103	70 - 130	0	20
Dichlorodifluoromethane	20.0	22.8		ug/L		114	40 - 160	4	20
Diethyl ether	20.0	21.7		ug/L		108	70 - 130	1	20
Ethylbenzene	20.0	21.6		ug/L		108	70 - 130	5	20
Ethyl-t-butyl ether (ETBE)	20.0	21.5		ug/L		108	70 - 130	1	20
Hexachlorobutadiene	20.0	22.4		ug/L		112	70 - 130	4	20
Isopropyl Ether (DIPE)	20.0	21.4		ug/L		107	70 - 130	0	20
Isopropylbenzene	20.0	19.3		ug/L		96	70 - 130	5	20
m,p-Xylene	40.0	42.7		ug/L		107	70 - 130	5	20
Methylene Chloride	20.0	20.3		ug/L		102	70 - 130	2	20
Methyl-t-Butyl Ether (MTBE)	20.0	20.3		ug/L		102	70 - 130	1	20
Naphthalene	20.0	21.7		ug/L		108	70 - 130	3	20
n-Butylbenzene	20.0	22.7		ug/L		113	70 - 130	4	20
N-Propylbenzene	20.0	22.2		ug/L		111	70 - 130	3	20
o-Xylene	20.0	21.4		ug/L		107	70 - 130	3	20
p-Isopropyltoluene	20.0	23.0		ug/L		115	70 - 130	4	20
sec-Butylbenzene	20.0	23.2		ug/L		116	70 - 130	4	20
Styrene	20.0	21.6		ug/L		108	70 - 130	2	20
tert-Amyl Methyl Ether (TAME)	20.0	20.8		ug/L		104	70 - 130	1	20
tert-Butyl alcohol (TBA)	100	114		ug/L		114	70 - 130	2	20
tert-Butylbenzene	20.0	21.5		ug/L		108	70 - 130	4	20
Tetrachloroethene	20.0	22.2		ug/L		111	70 - 130	4	20
Tetrahydrofuran (THF)	20.0	20.3		ug/L		102	70 - 130	3	20
Toluene	20.0	22.1		ug/L		111	70 - 130	3	20
trans-1,2-Dichloroethene	20.0	21.3		ug/L		106	70 - 130	3	20
trans-1,3-Dichloropropene	20.0	22.0		ug/L		110	70 - 130	0	20
Trichloroethene	20.0	21.8		ug/L		109	70 - 130	2	20
Trichlorofluoromethane	20.0	21.6		ug/L		108	70 - 130	2	20
Vinyl chloride	20.0	19.5		ug/L		97	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Toluene-d8 (Surr)	103		70 - 130

QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 475-3341/3

Matrix: Water

Analysis Batch: 3341

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.10		0.10	mg/L			04/16/25 08:28	1
Sulfate	<1.0		1.0	mg/L			04/16/25 08:28	1

Lab Sample ID: LCS 475-3341/47

Matrix: Water

Analysis Batch: 3341

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.00	2.06		mg/L		103	90 - 110
Sulfate	20.0	20.7		mg/L		103	90 - 110

Lab Sample ID: 475-2732-7 MS

Matrix: Water

Analysis Batch: 3341

Client Sample ID: MW-802L_20250414

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	<0.10		2.00	2.05		mg/L		103	80 - 120
Bromide	<0.10		2.00	2.05		mg/L		103	80 - 120
Sulfate	3.7		20.0	24.0		mg/L		102	80 - 120
Sulfate	3.7		20.0	24.0		mg/L		102	80 - 120

Lab Sample ID: 475-2732-7 MSD

Matrix: Water

Analysis Batch: 3341

Client Sample ID: MW-802L_20250414

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	<0.10		2.00	2.06		mg/L		103	80 - 120	0	20
Bromide	<0.10		2.00	2.06		mg/L		103	80 - 120	0	20
Sulfate	3.7		20.0	24.2		mg/L		102	80 - 120	1	20
Sulfate	3.7		20.0	24.2		mg/L		102	80 - 120	1	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 475-3292/1-A

Matrix: Water

Analysis Batch: 3332

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3292

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0010		0.0010	mg/L		04/16/25 11:35	04/16/25 12:57	1
Antimony	<0.0010		0.0010	mg/L		04/16/25 11:35	04/16/25 12:57	1
Arsenic	<0.0010		0.0010	mg/L		04/16/25 11:35	04/16/25 12:57	1
Barium	<0.0010		0.0010	mg/L		04/16/25 11:35	04/16/25 12:57	1
Barium	<0.0010		0.0010	mg/L		04/16/25 11:35	04/16/25 12:57	1
Barium	<0.0010		0.0010	mg/L		04/16/25 11:35	04/16/25 12:57	1
Beryllium	<0.0010	^+	0.0010	mg/L		04/16/25 11:35	04/16/25 12:57	1
Cadmium	<0.0010		0.0010	mg/L		04/16/25 11:35	04/16/25 12:57	1
Cadmium	<0.0010		0.0010	mg/L		04/16/25 11:35	04/16/25 12:57	1
Chromium	<0.0010		0.0010	mg/L		04/16/25 11:35	04/16/25 12:57	1
Lead	<0.0010		0.0010	mg/L		04/16/25 11:35	04/16/25 12:57	1
Manganese	<0.0050		0.0050	mg/L		04/16/25 11:35	04/16/25 12:57	1

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 475-3292/1-A

Matrix: Water

Analysis Batch: 3332

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3292

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	<0.0050		0.0050	mg/L		04/16/25 11:35	04/16/25 12:57	1
Nickel	<0.0010		0.0010	mg/L		04/16/25 11:35	04/16/25 12:57	1
Nickel	<0.0010		0.0010	mg/L		04/16/25 11:35	04/16/25 12:57	1
Silver	<0.0010		0.0010	mg/L		04/16/25 11:35	04/16/25 12:57	1
Silver	<0.0010		0.0010	mg/L		04/16/25 11:35	04/16/25 12:57	1
Thallium	<0.0010		0.0010	mg/L		04/16/25 11:35	04/16/25 12:57	1
Iron	<0.050		0.050	mg/L		04/16/25 11:35	04/16/25 12:57	1
Iron	<0.050		0.050	mg/L		04/16/25 11:35	04/16/25 12:57	1

Lab Sample ID: LCS 475-3292/2-A

Matrix: Water

Analysis Batch: 3332

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3292

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.210		mg/L		105	85 - 115
Antimony	0.200	0.211		mg/L		105	85 - 115
Arsenic	0.200	0.192		mg/L		96	85 - 115
Barium	0.200	0.202		mg/L		101	85 - 115
Barium	0.200	0.207		mg/L		103	85 - 115
Barium	0.200	0.197		mg/L		99	85 - 115
Beryllium	0.200	0.213	^+	mg/L		107	85 - 115
Cadmium	0.200	0.193		mg/L		96	85 - 115
Cadmium	0.200	0.197		mg/L		98	85 - 115
Chromium	0.200	0.188		mg/L		94	85 - 115
Lead	0.200	0.184		mg/L		92	85 - 115
Manganese	0.200	0.191		mg/L		95	85 - 115
Manganese	0.200	0.190		mg/L		95	85 - 115
Nickel	0.200	0.185		mg/L		92	85 - 115
Nickel	0.200	0.187		mg/L		94	85 - 115
Silver	0.0100	0.00997		mg/L		100	85 - 115
Silver	0.0100	0.00992		mg/L		99	85 - 115
Thallium	0.200	0.185		mg/L		93	85 - 115
Iron	10.0	9.68		mg/L		97	85 - 115
Iron	10.0	9.76		mg/L		98	85 - 115

Lab Sample ID: 475-2732-7 MS

Matrix: Water

Analysis Batch: 3332

Client Sample ID: MW-802L_20250414

Prep Type: Dissolved

Prep Batch: 3292

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0010		0.200	0.215		mg/L		108	70 - 130
Antimony	<0.0010		0.200	0.218		mg/L		109	70 - 130
Arsenic	<0.0010		0.200	0.189		mg/L		95	70 - 130
Barium	0.010		0.200	0.219		mg/L		104	70 - 130
Barium	0.010		0.200	0.230		mg/L		110	70 - 130
Barium	0.0099		0.200	0.208		mg/L		99	70 - 130
Beryllium	<0.0010	^+	0.200	0.215	^+	mg/L		107	70 - 130
Cadmium	<0.0010		0.200	0.194		mg/L		97	70 - 130
Cadmium	<0.0010		0.200	0.196		mg/L		98	70 - 130

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 475-2732-7 MS

Matrix: Water

Analysis Batch: 3332

Client Sample ID: MW-802L_20250414

Prep Type: Dissolved

Prep Batch: 3292

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	<0.0010		0.200	0.184		mg/L		92	70 - 130
Lead	<0.0010		0.200	0.187		mg/L		93	70 - 130
Manganese	0.39		0.200	0.542		mg/L		78	70 - 130
Manganese	0.39		0.200	0.542		mg/L		78	70 - 130
Nickel	<0.0010		0.200	0.181		mg/L		90	70 - 130
Nickel	<0.0010		0.200	0.184		mg/L		92	70 - 130
Silver	<0.0010		0.0100	0.0100		mg/L		100	70 - 130
Silver	<0.0010		0.0100	0.0102		mg/L		102	70 - 130
Thallium	<0.0010		0.200	0.187		mg/L		93	70 - 130
Iron	0.29		10.0	9.59		mg/L		93	70 - 130
Iron	0.28		10.0	9.68		mg/L		94	70 - 130

Lab Sample ID: 475-2732-7 MSD

Matrix: Water

Analysis Batch: 3332

Client Sample ID: MW-802L_20250414

Prep Type: Dissolved

Prep Batch: 3292

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0010		0.200	0.210		mg/L		105	70 - 130	2	20
Antimony	<0.0010		0.200	0.211		mg/L		106	70 - 130	3	20
Arsenic	<0.0010		0.200	0.191		mg/L		95	70 - 130	1	20
Barium	0.010		0.200	0.211		mg/L		101	70 - 130	4	20
Barium	0.010		0.200	0.223		mg/L		106	70 - 130	3	20
Barium	0.0099		0.200	0.208		mg/L		99	70 - 130	0	20
Beryllium	<0.0010	^+	0.200	0.211	^+	mg/L		105	70 - 130	2	20
Cadmium	<0.0010		0.200	0.192		mg/L		96	70 - 130	1	20
Cadmium	<0.0010		0.200	0.197		mg/L		98	70 - 130	0	20
Chromium	<0.0010		0.200	0.188		mg/L		94	70 - 130	2	20
Lead	<0.0010		0.200	0.184		mg/L		92	70 - 130	1	20
Manganese	0.39		0.200	0.549		mg/L		82	70 - 130	1	20
Manganese	0.39		0.200	0.548		mg/L		81	70 - 130	1	20
Nickel	<0.0010		0.200	0.183		mg/L		91	70 - 130	1	20
Nickel	<0.0010		0.200	0.186		mg/L		93	70 - 130	1	20
Silver	<0.0010		0.0100	0.00995		mg/L		100	70 - 130	1	20
Silver	<0.0010		0.0100	0.00995		mg/L		99	70 - 130	2	20
Thallium	<0.0010		0.200	0.187		mg/L		94	70 - 130	0	20
Iron	0.29		10.0	9.69		mg/L		94	70 - 130	1	20
Iron	0.28		10.0	9.69		mg/L		94	70 - 130	0	20

Method: 4500 NH3 D - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 475-3440/1-A

Matrix: Water

Analysis Batch: 3580

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3440

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<0.50		0.50	mg/L		04/18/25 07:58	04/18/25 15:12	1

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Method: 4500 NH3 D - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LCS 475-3440/2-A
Matrix: Water
Analysis Batch: 3580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3440

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	10.0	10.5		mg/L		105	90 - 110

Lab Sample ID: LCSD 475-3440/3-A
Matrix: Water
Analysis Batch: 3580

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3440

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	10.0	10.4		mg/L		104	90 - 110	1	20

Method: 8000 - COD

Lab Sample ID: MB 475-3255/1
Matrix: Water
Analysis Batch: 3255

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<10		10	mg/L			04/16/25 08:15	1

Lab Sample ID: LCS 475-3255/2
Matrix: Water
Analysis Batch: 3255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	100	93.4		mg/L		93	85 - 115

Lab Sample ID: LCSD 475-3255/20
Matrix: Water
Analysis Batch: 3255

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	100	93.7		mg/L		94	85 - 115	0	20

Lab Sample ID: 475-2732-4 MS
Matrix: Water
Analysis Batch: 3255

Client Sample ID: B-933L_20250414
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	<11		52.6	45.4		mg/L		86	80 - 120

Lab Sample ID: 475-2732-4 MSD
Matrix: Water
Analysis Batch: 3255

Client Sample ID: B-933L_20250414
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	<11		52.6	48.9		mg/L		93	80 - 120	7	20

QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Method: 8000 - COD (Continued)

Lab Sample ID: MB 475-3525/1
Matrix: Water
Analysis Batch: 3525

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<10		10	mg/L			04/18/25 14:00	1

Lab Sample ID: LCS 475-3525/2
Matrix: Water
Analysis Batch: 3525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	100	94.6		mg/L		95	85 - 115

Lab Sample ID: LCSD 475-3525/25
Matrix: Water
Analysis Batch: 3525

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	100	87.3		mg/L		87	85 - 115	8	20

Lab Sample ID: 475-2732-7 MS
Matrix: Water
Analysis Batch: 3525

Client Sample ID: MW-802L_20250414
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	<11		52.6	52.5		mg/L		100	80 - 120

Lab Sample ID: 475-2732-7 MSD
Matrix: Water
Analysis Batch: 3525

Client Sample ID: MW-802L_20250414
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	<11		52.6	52.5		mg/L		100	80 - 120	0	20

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 475-3302/15
Matrix: Water
Analysis Batch: 3302

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0	mg/L			04/16/25 08:48	1

Lab Sample ID: LCS 475-3302/12
Matrix: Water
Analysis Batch: 3302

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.0	25.7		mg/L		103	90 - 110

QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: LCS 475-3302/30
Matrix: Water
Analysis Batch: 3302

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.0	26.3		mg/L		105	90 - 110

Lab Sample ID: 475-2732-1 MS
Matrix: Water
Analysis Batch: 3302

Client Sample ID: B-932U_20250414
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.3		9.80	13.7		mg/L		106	80 - 120

Lab Sample ID: 475-2732-1 MSD
Matrix: Water
Analysis Batch: 3302

Client Sample ID: B-932U_20250414
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.3		9.80	14.0		mg/L		109	80 - 120	2	20

Accreditation/Certification and Definitions Summary

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Laboratory: Eurofins Northeast Concord

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Hampshire	NELAP	1012	01-20-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,3,5-Trichlorobenzene

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
MRL	Method Reporting Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

Accreditation/Certification and Definitions Summary

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater SSI

Job ID: 475-2732-1
SDG: 2637.012

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
SDL	Sample Detection Limit
SDL	Sample Detection Limit
SDL	Sample Detection Limit
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

For Lab Use Only



The figure shows four vertical bars of different heights. From left to right, the heights are approximately 100%, 90%, 80%, and 60% of the tallest bar. The bars are solid black.

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Matrix: A-Air; S-Soil; GW-Ground Water; SW-Surface Water; DW-Drinking Water
WW-Waste Water; Aq-Aqueous
Preservative: H-HCl; N-HNO₃; S-H₂SO₄; Na-NaOH; M-MeOH; NSO- Na₂SO₃

Sanborn, Head & Associates, Inc.

1000

ANALYTICAL REPORT

PREPARED FOR

Attn: Matthew Estabrooks
Sanborn Head & Associates Inc
6 Bedford Farms Drive
Suite 201
Bedford, New Hampshire 03110

Generated 4/25/2025 11:31:57 AM

JOB DESCRIPTION

NCES | Groundwater | 2637.012

JOB NUMBER

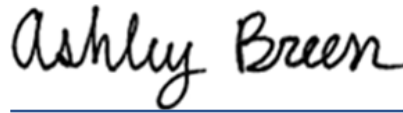
475-2760-1

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Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Authorized for release by
Ashley Breen, Project Manager
Ashley.Breen@et.eurofinsus.com
(603)228-0525

Case Narrative

Client: Sanborn Head & Associates Inc
Project: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Job ID: 475-2760-1

Eurofins Concord

Job Narrative 475-2760-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 4/15/2025 5:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C.

GC/MS VOA

Method 8260D: MW-701_20250415 (475-2760-1), B-915U_20250415 (475-2760-2), B-915M_20250415 (475-2760-3), B-916U_20250415 (475-2760-4), B-916M_20250415 (475-2760-5), B-917U_20250415 (475-2760-6), B-918U_20250415 (475-2760-8), B-918M_20250415 (475-2760-9), B-924U_20250415 (475-2760-10), B-926U_20250415 (475-2760-11), B-926L_20250415 (475-2760-12), B-929U_20250415 (475-2760-13), B-930U_20250415 (475-2760-14) and B-931U_20250415 (475-2760-15): The continuing calibration verification (CCV) associated with batch 475-3556 recovered outside acceptance criteria, low biased, for Bromomethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte, the data are reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Concord

Sample Summary

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
475-2760-1	MW-701_20250415	Water	04/15/25 11:13	04/15/25 17:05
475-2760-2	B-915U_20250415	Water	04/15/25 10:34	04/15/25 17:05
475-2760-3	B-915M_20250415	Water	04/15/25 10:40	04/15/25 17:05
475-2760-4	B-916U_20250415	Water	04/15/25 09:08	04/15/25 17:05
475-2760-5	B-916M_20250415	Water	04/15/25 09:14	04/15/25 17:05
475-2760-6	B-917U_20250415	Water	04/15/25 09:36	04/15/25 17:05
475-2760-7	B-909_20250415	Water	04/15/25 09:46	04/15/25 17:05
475-2760-8	B-918U_20250415	Water	04/15/25 08:28	04/15/25 17:05
475-2760-9	B-918M_20250415	Water	04/15/25 08:26	04/15/25 17:05
475-2760-10	B-924U_20250415	Water	04/15/25 11:50	04/15/25 17:05
475-2760-11	B-926U_20250415	Water	04/15/25 11:00	04/15/25 17:05
475-2760-12	B-926L_20250415	Water	04/15/25 11:08	04/15/25 17:05
475-2760-13	B-929U_20250415	Water	04/15/25 12:35	04/15/25 17:05
475-2760-14	B-930U_20250415	Water	04/15/25 13:04	04/15/25 17:05
475-2760-15	B-931U_20250415	Water	04/15/25 13:30	04/15/25 17:05
475-2760-16	TB-GW-02_20250415	Water	04/15/25 15:00	04/15/25 17:05
475-2760-17	TB-LL-GW-02_20250415	Water	04/15/25 15:00	04/15/25 17:05

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: MW-701_20250415

Lab Sample ID: 475-2760-1

Date Collected: 04/15/25 11:13

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/18/25 16:48	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	101		70 - 130			04/18/25 16:48	1	SLH
4-Bromofluorobenzene (Surr)	102		70 - 130			04/18/25 16:48	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/18/25 04:18	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/18/25 04:18	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/18/25 04:18	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/18/25 04:18	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/18/25 04:18	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
1,4-Dioxane	<50		50	ug/L		04/18/25 04:18	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/18/25 04:18	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
2-Hexanone	<10		10	ug/L		04/18/25 04:18	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/18/25 04:18	1	AMF
Acetone	<10		10	ug/L		04/18/25 04:18	1	AMF
Benzene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/18/25 04:18	1	AMF
Bromoform	<2.0		2.0	ug/L		04/18/25 04:18	1	AMF
Bromomethane	<2.0		2.0	ug/L		04/18/25 04:18	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/18/25 04:18	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/18/25 04:18	1	AMF
Chloroform	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/18/25 04:18	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: MW-701_20250415

Lab Sample ID: 475-2760-1

Date Collected: 04/15/25 11:13

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 04:18	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/18/25 04:18	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/18/25 04:18	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/18/25 04:18	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/18/25 04:18	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/18/25 04:18	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/18/25 04:18	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
Styrene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/18/25 04:18	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/18/25 04:18	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/18/25 04:18	1	AMF
Toluene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 04:18	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/18/25 04:18	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/18/25 04:18	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	100		70 - 130	04/18/25 04:18	1	AMF
1,2-Dichloroethane-d4 (Surr)	103		70 - 130	04/18/25 04:18	1	AMF
4-Bromofluorobenzene (Surr)	100		70 - 130	04/18/25 04:18	1	AMF
Toluene-d8 (Surr)	100		70 - 130	04/18/25 04:18	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/17/25 12:28	1	ALS
Sulfate	25		1.0	mg/L		04/17/25 12:28	1	ALS

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 15:05	1	DS
Manganese	0.96		0.0050	mg/L		04/16/25 15:05	1	DS

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: MW-701_20250415

Lab Sample ID: 475-2760-1

Date Collected: 04/15/25 11:13

Matrix: Water

Date Received: 04/15/25 17:05

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	0.56		0.50	mg/L		04/16/25 14:25	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 17:09	1	EWG
Chemical Oxygen Demand (8000)	11		10	mg/L		04/21/25 14:43	1	SEC
Chloride (SM 4500 Cl- E)	12		1.0	mg/L		04/16/25 14:25	1	ALS

Client Sample ID: B-915U_20250415

Lab Sample ID: 475-2760-2

Date Collected: 04/15/25 10:34

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/18/25 17:15	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/18/25 17:15	1	SLH
4-Bromofluorobenzene (Surr)	102		70 - 130			04/18/25 17:15	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/18/25 04:42	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/18/25 04:42	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/18/25 04:42	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/18/25 04:42	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/18/25 04:42	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
1,4-Dioxane	<50		50	ug/L		04/18/25 04:42	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/18/25 04:42	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
2-Hexanone	<10		10	ug/L		04/18/25 04:42	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/18/25 04:42	1	AMF
Acetone	<10		10	ug/L		04/18/25 04:42	1	AMF
Benzene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-915U_20250415

Lab Sample ID: 475-2760-2

Date Collected: 04/15/25 10:34

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromochloromethane	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/18/25 04:42	1	AMF
Bromoform	<2.0		2.0	ug/L		04/18/25 04:42	1	AMF
Bromomethane	<2.0		2.0	ug/L		04/18/25 04:42	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/18/25 04:42	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/18/25 04:42	1	AMF
Chloroform	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/18/25 04:42	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 04:42	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/18/25 04:42	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/18/25 04:42	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/18/25 04:42	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/18/25 04:42	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/18/25 04:42	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/18/25 04:42	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
Styrene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/18/25 04:42	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/18/25 04:42	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/18/25 04:42	1	AMF
Toluene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 04:42	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/18/25 04:42	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/18/25 04:42	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	100		70 - 130	04/18/25 04:42	1	AMF
1,2-Dichloroethane-d4 (Surr)	102		70 - 130	04/18/25 04:42	1	AMF
4-Bromofluorobenzene (Surr)	99		70 - 130	04/18/25 04:42	1	AMF
Toluene-d8 (Surr)	100		70 - 130	04/18/25 04:42	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-915U_20250415

Lab Sample ID: 475-2760-2

Date Collected: 04/15/25 10:34

Matrix: Water

Date Received: 04/15/25 17:05

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/17/25 12:42	1	ALS

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 15:10	1	DS
Manganese	<0.0050		0.0050	mg/L		04/16/25 15:10	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	0.61		0.50	mg/L		04/16/25 14:27	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 17:12	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/21/25 14:43	1	SEC
Chloride (SM 4500 Cl- E)	10		1.0	mg/L		04/16/25 14:27	1	ALS

Client Sample ID: B-915M_20250415

Lab Sample ID: 475-2760-3

Date Collected: 04/15/25 10:40

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/18/25 17:41	1	SLH

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130	04/18/25 17:41	1	SLH
4-Bromofluorobenzene (Surr)	102		70 - 130	04/18/25 17:41	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
1,1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/18/25 05:07	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/18/25 05:07	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/18/25 05:07	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/18/25 05:07	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/18/25 05:07	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
1,4-Dioxane	<50		50	ug/L		04/18/25 05:07	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-915M_20250415

Lab Sample ID: 475-2760-3

Date Collected: 04/15/25 10:40

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
2-Butanone (MEK)	<10		10	ug/L		04/18/25 05:07	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
2-Hexanone	<10		10	ug/L		04/18/25 05:07	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/18/25 05:07	1	AMF
Acetone	<10		10	ug/L		04/18/25 05:07	1	AMF
Benzene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/18/25 05:07	1	AMF
Bromoform	<2.0		2.0	ug/L		04/18/25 05:07	1	AMF
Bromomethane	<2.0		2.0	ug/L		04/18/25 05:07	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/18/25 05:07	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/18/25 05:07	1	AMF
Chloroform	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/18/25 05:07	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 05:07	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/18/25 05:07	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/18/25 05:07	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/18/25 05:07	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/18/25 05:07	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/18/25 05:07	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/18/25 05:07	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
Styrene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/18/25 05:07	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/18/25 05:07	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/18/25 05:07	1	AMF
Toluene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 05:07	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/18/25 05:07	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-915M_20250415

Lab Sample ID: 475-2760-3

Date Collected: 04/15/25 10:40

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Vinyl chloride	<1.0		1.0	ug/L		04/18/25 05:07	1	AMF
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	100		70 - 130			04/18/25 05:07	1	AMF
1,2-Dichloroethane-d4 (Surr)	101		70 - 130			04/18/25 05:07	1	AMF
4-Bromofluorobenzene (Surr)	99		70 - 130			04/18/25 05:07	1	AMF
Toluene-d8 (Surr)	100		70 - 130			04/18/25 05:07	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/17/25 12:57	1	ALS

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 15:14	1	DS
Manganese	<0.0050		0.0050	mg/L		04/16/25 15:14	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	0.67		0.50	mg/L		04/16/25 14:28	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 17:15	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/21/25 14:43	1	SEC
Chloride (SM 4500 Cl- E)	43		1.0	mg/L		04/16/25 14:28	1	ALS

Client Sample ID: B-916U_20250415

Lab Sample ID: 475-2760-4

Date Collected: 04/15/25 09:08

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/18/25 18:08	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/18/25 18:08	1	SLH
4-Bromofluorobenzene (Surr)	102		70 - 130			04/18/25 18:08	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/18/25 05:32	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/18/25 05:32	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/18/25 05:32	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/18/25 05:32	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/18/25 05:32	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-916U_20250415

Lab Sample ID: 475-2760-4

Date Collected: 04/15/25 09:08

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,2-Dichloroethane	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
1,4-Dioxane	<50		50	ug/L		04/18/25 05:32	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/18/25 05:32	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
2-Hexanone	<10		10	ug/L		04/18/25 05:32	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/18/25 05:32	1	AMF
Acetone	<10		10	ug/L		04/18/25 05:32	1	AMF
Benzene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/18/25 05:32	1	AMF
Bromoform	<2.0		2.0	ug/L		04/18/25 05:32	1	AMF
Bromomethane	<2.0		2.0	ug/L		04/18/25 05:32	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/18/25 05:32	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/18/25 05:32	1	AMF
Chloroform	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/18/25 05:32	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 05:32	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/18/25 05:32	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/18/25 05:32	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/18/25 05:32	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/18/25 05:32	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/18/25 05:32	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/18/25 05:32	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
Styrene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-916U_20250415

Lab Sample ID: 475-2760-4

Date Collected: 04/15/25 09:08

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/18/25 05:32	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/18/25 05:32	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/18/25 05:32	1	AMF
Toluene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 05:32	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/18/25 05:32	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/18/25 05:32	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	100		70 - 130	04/18/25 05:32	1	AMF
1,2-Dichloroethane-d4 (Surr)	103		70 - 130	04/18/25 05:32	1	AMF
4-Bromofluorobenzene (Surr)	100		70 - 130	04/18/25 05:32	1	AMF
Toluene-d8 (Surr)	102		70 - 130	04/18/25 05:32	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/17/25 13:11	1	ALS

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 15:19	1	DS
Manganese	0.0057		0.0050	mg/L		04/16/25 15:19	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 14:30	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 17:18	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/21/25 14:43	1	SEC
Chloride (SM 4500 Cl- E)	1.8		1.0	mg/L		04/16/25 14:30	1	ALS

Client Sample ID: B-916M_20250415

Lab Sample ID: 475-2760-5

Date Collected: 04/15/25 09:14

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/18/25 18:34	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	101		70 - 130			04/18/25 18:34	1	SLH
4-Bromofluorobenzene (Surr)	102		70 - 130			04/18/25 18:34	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-916M_20250415

Lab Sample ID: 475-2760-5

Date Collected: 04/15/25 09:14

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1-Dichloroethane	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/18/25 05:57	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/18/25 05:57	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/18/25 05:57	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/18/25 05:57	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/18/25 05:57	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
1,4-Dioxane	<50		50	ug/L		04/18/25 05:57	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/18/25 05:57	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
2-Hexanone	<10		10	ug/L		04/18/25 05:57	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/18/25 05:57	1	AMF
Acetone	<10		10	ug/L		04/18/25 05:57	1	AMF
Benzene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/18/25 05:57	1	AMF
Bromoform	<2.0		2.0	ug/L		04/18/25 05:57	1	AMF
Bromomethane	<2.0		2.0	ug/L		04/18/25 05:57	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/18/25 05:57	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/18/25 05:57	1	AMF
Chloroform	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/18/25 05:57	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 05:57	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/18/25 05:57	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/18/25 05:57	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/18/25 05:57	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/18/25 05:57	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/18/25 05:57	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-916M_20250415

Lab Sample ID: 475-2760-5

Date Collected: 04/15/25 09:14

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
m,p-Xylene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/18/25 05:57	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
Styrene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/18/25 05:57	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/18/25 05:57	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/18/25 05:57	1	AMF
Toluene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 05:57	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/18/25 05:57	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/18/25 05:57	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	102		70 - 130	04/18/25 05:57	1	AMF
1,2-Dichloroethane-d4 (Surr)	104		70 - 130	04/18/25 05:57	1	AMF
4-Bromofluorobenzene (Surr)	100		70 - 130	04/18/25 05:57	1	AMF
Toluene-d8 (Surr)	101		70 - 130	04/18/25 05:57	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/17/25 13:26	1	ALS

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 15:24	1	DS
Manganese	<0.0050		0.0050	mg/L		04/16/25 15:24	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	0.63		0.50	mg/L		04/16/25 14:31	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 17:21	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/21/25 14:43	1	SEC
Chloride (SM 4500 Cl- E)	30		1.0	mg/L		04/16/25 14:31	1	ALS

Client Sample ID: B-917U_20250415

Lab Sample ID: 475-2760-6

Date Collected: 04/15/25 09:36

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/18/25 19:00	1	SLH

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-917U_20250415

Lab Sample ID: 475-2760-6

Date Collected: 04/15/25 09:36

Matrix: Water

Date Received: 04/15/25 17:05

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130	04/18/25 19:00	1	SLH
4-Bromofluorobenzene (Surr)	101		70 - 130	04/18/25 19:00	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/18/25 06:21	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/18/25 06:21	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/18/25 06:21	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/18/25 06:21	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/18/25 06:21	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
1,4-Dioxane	<50		50	ug/L		04/18/25 06:21	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/18/25 06:21	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
2-Hexanone	<10		10	ug/L		04/18/25 06:21	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/18/25 06:21	1	AMF
Acetone	<10		10	ug/L		04/18/25 06:21	1	AMF
Benzene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/18/25 06:21	1	AMF
Bromoform	<2.0		2.0	ug/L		04/18/25 06:21	1	AMF
Bromomethane	<2.0		2.0	ug/L		04/18/25 06:21	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/18/25 06:21	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/18/25 06:21	1	AMF
Chloroform	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/18/25 06:21	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 06:21	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-917U_20250415

Lab Sample ID: 475-2760-6

Date Collected: 04/15/25 09:36

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/18/25 06:21	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/18/25 06:21	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/18/25 06:21	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/18/25 06:21	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/18/25 06:21	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/18/25 06:21	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
Styrene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/18/25 06:21	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/18/25 06:21	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/18/25 06:21	1	AMF
Toluene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 06:21	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/18/25 06:21	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/18/25 06:21	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	100		70 - 130	04/18/25 06:21	1	AMF
1,2-Dichloroethane-d4 (Surr)	103		70 - 130	04/18/25 06:21	1	AMF
4-Bromofluorobenzene (Surr)	98		70 - 130	04/18/25 06:21	1	AMF
Toluene-d8 (Surr)	101		70 - 130	04/18/25 06:21	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/17/25 13:40	1	ALS

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 15:28	1	DS
Manganese	<0.0050		0.0050	mg/L		04/16/25 15:28	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 14:32	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 17:24	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/21/25 14:43	1	SEC
Chloride (SM 4500 Cl- E)	1.1		1.0	mg/L		04/16/25 14:32	1	ALS

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-909_20250415

Lab Sample ID: 475-2760-7

Date Collected: 04/15/25 09:46

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/18/25 19:27	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	101		70 - 130			04/18/25 19:27	1	SLH
4-Bromofluorobenzene (Surr)	103		70 - 130			04/18/25 19:27	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
1,1-Dichloroethane	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
1,1-Dichloroethene	<0.50		0.50	ug/L		04/18/25 15:52	1	HKR
1,1-Dichloropropene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/18/25 15:52	1	HKR
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/18/25 15:52	1	HKR
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/18/25 15:52	1	HKR
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/18/25 15:52	1	HKR
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
1,2-Dichloroethane	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
1,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
1,3-Dichloropropane	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
1,4-Dioxane	<50		50	ug/L		04/18/25 15:52	1	HKR
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
2,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
2-Butanone (MEK)	<10		10	ug/L		04/18/25 15:52	1	HKR
2-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
2-Hexanone	<10		10	ug/L		04/18/25 15:52	1	HKR
4-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/18/25 15:52	1	HKR
Acetone	<10		10	ug/L		04/18/25 15:52	1	HKR
Benzene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
Bromobenzene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
Bromochloromethane	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
Bromodichloromethane	<0.50		0.50	ug/L		04/18/25 15:52	1	HKR
Bromoform	<2.0		2.0	ug/L		04/18/25 15:52	1	HKR
Bromomethane	<2.0		2.0	ug/L		04/18/25 15:52	1	HKR
Carbon disulfide	<2.0		2.0	ug/L		04/18/25 15:52	1	HKR
Carbon tetrachloride	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
Chlorobenzene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
Chloroethane	<2.0		2.0	ug/L		04/18/25 15:52	1	HKR
Chloroform	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
Chloromethane	<2.0		2.0	ug/L		04/18/25 15:52	1	HKR
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-909_20250415

Lab Sample ID: 475-2760-7

Date Collected: 04/15/25 09:46

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 15:52	1	HKR
Dibromochloromethane	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
Dibromomethane	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/18/25 15:52	1	HKR
Diethyl ether	<2.0		2.0	ug/L		04/18/25 15:52	1	HKR
Ethylbenzene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/18/25 15:52	1	HKR
Hexachlorobutadiene	<0.50		0.50	ug/L		04/18/25 15:52	1	HKR
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/18/25 15:52	1	HKR
Isopropylbenzene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
m,p-Xylene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
Methylene Chloride	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
Naphthalene	<2.0		2.0	ug/L		04/18/25 15:52	1	HKR
n-Butylbenzene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
N-Propylbenzene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
o-Xylene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
p-Isopropyltoluene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
sec-Butylbenzene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
Styrene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/18/25 15:52	1	HKR
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/18/25 15:52	1	HKR
tert-Butylbenzene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
Tetrachloroethene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
Tetrahydrofuran (THF)	<10		10	ug/L		04/18/25 15:52	1	HKR
Toluene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 15:52	1	HKR
Trichloroethene	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR
Trichlorofluoromethane	<2.0		2.0	ug/L		04/18/25 15:52	1	HKR
Vinyl chloride	<1.0		1.0	ug/L		04/18/25 15:52	1	HKR

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	103		70 - 130	04/18/25 15:52	1	HKR
1,2-Dichloroethane-d4 (Surr)	110		70 - 130	04/18/25 15:52	1	HKR
4-Bromofluorobenzene (Surr)	102		70 - 130	04/18/25 15:52	1	HKR
Toluene-d8 (Surr)	101		70 - 130	04/18/25 15:52	1	HKR

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/17/25 15:07	1	ALS

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 15:33	1	DS
Manganese	<0.0050		0.0050	mg/L		04/16/25 15:33	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 14:34	1	SRG

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-909_20250415

Date Collected: 04/15/25 09:46

Date Received: 04/15/25 17:05

Lab Sample ID: 475-2760-7

Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 17:27	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/21/25 14:43	1	SEC
Chloride (SM 4500 Cl- E)	<1.0		1.0	mg/L		04/16/25 14:34	1	ALS

Client Sample ID: B-918U_20250415

Date Collected: 04/15/25 08:28

Date Received: 04/15/25 17:05

Lab Sample ID: 475-2760-8

Matrix: Water

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/18/25 19:53	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/18/25 19:53	1	SLH
4-Bromofluorobenzene (Surr)	101		70 - 130			04/18/25 19:53	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/18/25 06:46	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/18/25 06:46	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/18/25 06:46	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/18/25 06:46	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/18/25 06:46	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
1,4-Dioxane	<50		50	ug/L		04/18/25 06:46	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/18/25 06:46	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
2-Hexanone	<10		10	ug/L		04/18/25 06:46	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/18/25 06:46	1	AMF
Acetone	<10		10	ug/L		04/18/25 06:46	1	AMF
Benzene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-918U_20250415

Lab Sample ID: 475-2760-8

Date Collected: 04/15/25 08:28

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromodichloromethane	<0.50		0.50	ug/L		04/18/25 06:46	1	AMF
Bromoform	<2.0		2.0	ug/L		04/18/25 06:46	1	AMF
Bromomethane	<2.0		2.0	ug/L		04/18/25 06:46	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/18/25 06:46	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/18/25 06:46	1	AMF
Chloroform	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/18/25 06:46	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 06:46	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/18/25 06:46	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/18/25 06:46	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/18/25 06:46	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/18/25 06:46	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/18/25 06:46	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/18/25 06:46	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
Styrene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/18/25 06:46	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/18/25 06:46	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/18/25 06:46	1	AMF
Toluene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 06:46	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/18/25 06:46	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/18/25 06:46	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	100		70 - 130	04/18/25 06:46	1	AMF
1,2-Dichloroethane-d4 (Surr)	104		70 - 130	04/18/25 06:46	1	AMF
4-Bromofluorobenzene (Surr)	100		70 - 130	04/18/25 06:46	1	AMF
Toluene-d8 (Surr)	101		70 - 130	04/18/25 06:46	1	AMF

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-918U_20250415

Lab Sample ID: 475-2760-8

Date Collected: 04/15/25 08:28

Matrix: Water

Date Received: 04/15/25 17:05

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	0.11		0.10	mg/L		04/17/25 15:21	1	ALS

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 15:37	1	DS
Manganese	<0.0050		0.0050	mg/L		04/16/25 15:37	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	2.2		0.50	mg/L		04/16/25 14:35	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 17:36	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/21/25 14:43	1	SEC
Chloride (SM 4500 Cl- E)	65		1.0	mg/L		04/16/25 14:35	1	ALS

Client Sample ID: B-918M_20250415

Lab Sample ID: 475-2760-9

Date Collected: 04/15/25 08:26

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/22/25 15:32	1	SLH

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130	04/22/25 15:32	1	SLH
4-Bromofluorobenzene (Surr)	103		70 - 130	04/22/25 15:32	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
1,1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/18/25 07:11	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/18/25 07:11	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/18/25 07:11	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/18/25 07:11	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/18/25 07:11	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
1,4-Dioxane	<50		50	ug/L		04/18/25 07:11	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-918M_20250415

Lab Sample ID: 475-2760-9

Date Collected: 04/15/25 08:26

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
2-Butanone (MEK)	<10		10	ug/L		04/18/25 07:11	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
2-Hexanone	<10		10	ug/L		04/18/25 07:11	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/18/25 07:11	1	AMF
Acetone	<10		10	ug/L		04/18/25 07:11	1	AMF
Benzene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/18/25 07:11	1	AMF
Bromoform	<2.0		2.0	ug/L		04/18/25 07:11	1	AMF
Bromomethane	<2.0		2.0	ug/L		04/18/25 07:11	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/18/25 07:11	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/18/25 07:11	1	AMF
Chloroform	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/18/25 07:11	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 07:11	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/18/25 07:11	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/18/25 07:11	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/18/25 07:11	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/18/25 07:11	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/18/25 07:11	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/18/25 07:11	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
Styrene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/18/25 07:11	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/18/25 07:11	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/18/25 07:11	1	AMF
Toluene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 07:11	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/18/25 07:11	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-918M_20250415

Lab Sample ID: 475-2760-9

Date Collected: 04/15/25 08:26

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Vinyl chloride	<1.0		1.0	ug/L		04/18/25 07:11	1	AMF
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	101		70 - 130			04/18/25 07:11	1	AMF
1,2-Dichloroethane-d4 (Surr)	102		70 - 130			04/18/25 07:11	1	AMF
4-Bromofluorobenzene (Surr)	100		70 - 130			04/18/25 07:11	1	AMF
Toluene-d8 (Surr)	102		70 - 130			04/18/25 07:11	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/17/25 15:36	1	ALS
Sulfate	8.4		1.0	mg/L		04/17/25 15:36	1	ALS

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 15:42	1	DS
Manganese	<0.0050		0.0050	mg/L		04/16/25 15:42	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	1.1		0.50	mg/L		04/16/25 14:37	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 17:39	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/21/25 14:43	1	SEC
Chloride (SM 4500 Cl- E)	13		1.0	mg/L		04/16/25 14:37	1	ALS

Client Sample ID: B-924U_20250415

Lab Sample ID: 475-2760-10

Date Collected: 04/15/25 11:50

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/22/25 15:58	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/22/25 15:58	1	SLH
4-Bromofluorobenzene (Surr)	103		70 - 130			04/22/25 15:58	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/18/25 07:35	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/18/25 07:35	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/18/25 07:35	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/18/25 07:35	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/18/25 07:35	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-924U_20250415

Lab Sample ID: 475-2760-10

Date Collected: 04/15/25 11:50

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
1,4-Dioxane	<50		50	ug/L		04/18/25 07:35	1	AMF
1.1.1.2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/18/25 07:35	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
2-Hexanone	<10		10	ug/L		04/18/25 07:35	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/18/25 07:35	1	AMF
Acetone	<10		10	ug/L		04/18/25 07:35	1	AMF
Benzene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/18/25 07:35	1	AMF
Bromoform	<2.0		2.0	ug/L		04/18/25 07:35	1	AMF
Bromomethane	<2.0		2.0	ug/L		04/18/25 07:35	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/18/25 07:35	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/18/25 07:35	1	AMF
Chloroform	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/18/25 07:35	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 07:35	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/18/25 07:35	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/18/25 07:35	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/18/25 07:35	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/18/25 07:35	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/18/25 07:35	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/18/25 07:35	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-924U_20250415

Lab Sample ID: 475-2760-10

Date Collected: 04/15/25 11:50

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Styrene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/18/25 07:35	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/18/25 07:35	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/18/25 07:35	1	AMF
Toluene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 07:35	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/18/25 07:35	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/18/25 07:35	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	101		70 - 130	04/18/25 07:35	1	AMF
1,2-Dichloroethane-d4 (Surr)	100		70 - 130	04/18/25 07:35	1	AMF
4-Bromofluorobenzene (Surr)	99		70 - 130	04/18/25 07:35	1	AMF
Toluene-d8 (Surr)	102		70 - 130	04/18/25 07:35	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/17/25 15:50	1	ALS

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 15:46	1	DS
Manganese	<0.0050		0.0050	mg/L		04/16/25 15:46	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 14:38	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 17:42	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/21/25 14:43	1	SEC
Chloride (SM 4500 Cl- E)	1.0		1.0	mg/L		04/16/25 14:39	1	ALS

Client Sample ID: B-926U_20250415

Lab Sample ID: 475-2760-11

Date Collected: 04/15/25 11:00

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/22/25 16:24	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/22/25 16:24	1	SLH
4-Bromofluorobenzene (Surr)	104		70 - 130			04/22/25 16:24	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-926U_20250415

Lab Sample ID: 475-2760-11

Date Collected: 04/15/25 11:00

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/18/25 08:00	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/18/25 08:00	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/18/25 08:00	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/18/25 08:00	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/18/25 08:00	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
1,4-Dioxane	<50		50	ug/L		04/18/25 08:00	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/18/25 08:00	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
2-Hexanone	<10		10	ug/L		04/18/25 08:00	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/18/25 08:00	1	AMF
Acetone	<10		10	ug/L		04/18/25 08:00	1	AMF
Benzene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/18/25 08:00	1	AMF
Bromoform	<2.0		2.0	ug/L		04/18/25 08:00	1	AMF
Bromomethane	<2.0		2.0	ug/L		04/18/25 08:00	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/18/25 08:00	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/18/25 08:00	1	AMF
Chloroform	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/18/25 08:00	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 08:00	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/18/25 08:00	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/18/25 08:00	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/18/25 08:00	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/18/25 08:00	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/18/25 08:00	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-926U_20250415

Lab Sample ID: 475-2760-11

Date Collected: 04/15/25 11:00

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Isopropylbenzene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/18/25 08:00	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
Styrene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/18/25 08:00	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/18/25 08:00	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/18/25 08:00	1	AMF
Toluene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 08:00	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/18/25 08:00	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/18/25 08:00	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	100		70 - 130	04/18/25 08:00	1	AMF
1,2-Dichloroethane-d4 (Surr)	101		70 - 130	04/18/25 08:00	1	AMF
4-Bromofluorobenzene (Surr)	99		70 - 130	04/18/25 08:00	1	AMF
Toluene-d8 (Surr)	101		70 - 130	04/18/25 08:00	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	0.13		0.10	mg/L		04/17/25 16:05	1	ALS

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 16:28	1	DS
Manganese	6.7		0.0050	mg/L		04/16/25 16:28	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 14:51	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 17:45	1	EWG
Chemical Oxygen Demand (8000)	21		10	mg/L		04/21/25 14:43	1	SEC
Chloride (SM 4500 Cl- E)	9.4		1.0	mg/L		04/16/25 14:51	1	ALS

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-926L_20250415

Lab Sample ID: 475-2760-12

Date Collected: 04/15/25 11:08

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/22/25 16:51	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/22/25 16:51	1	SLH
4-Bromofluorobenzene (Surr)	103		70 - 130			04/22/25 16:51	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/18/25 08:25	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/18/25 08:25	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/18/25 08:25	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/18/25 08:25	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/18/25 08:25	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
1,4-Dioxane	<50		50	ug/L		04/18/25 08:25	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/18/25 08:25	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
2-Hexanone	<10		10	ug/L		04/18/25 08:25	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/18/25 08:25	1	AMF
Acetone	<10		10	ug/L		04/18/25 08:25	1	AMF
Benzene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/18/25 08:25	1	AMF
Bromoform	<2.0		2.0	ug/L		04/18/25 08:25	1	AMF
Bromomethane	<2.0		2.0	ug/L		04/18/25 08:25	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/18/25 08:25	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/18/25 08:25	1	AMF
Chloroform	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/18/25 08:25	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-926L_20250415

Lab Sample ID: 475-2760-12

Date Collected: 04/15/25 11:08

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 08:25	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/18/25 08:25	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/18/25 08:25	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/18/25 08:25	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/18/25 08:25	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/18/25 08:25	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/18/25 08:25	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
Styrene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/18/25 08:25	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/18/25 08:25	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/18/25 08:25	1	AMF
Toluene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 08:25	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/18/25 08:25	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/18/25 08:25	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	99		70 - 130	04/18/25 08:25	1	AMF
1,2-Dichloroethane-d4 (Surr)	102		70 - 130	04/18/25 08:25	1	AMF
4-Bromofluorobenzene (Surr)	98		70 - 130	04/18/25 08:25	1	AMF
Toluene-d8 (Surr)	101		70 - 130	04/18/25 08:25	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/17/25 16:19	1	ALS

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 16:33	1	DS
Manganese	<0.0050		0.0050	mg/L		04/16/25 16:33	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	0.71		0.50	mg/L		04/16/25 14:52	1	SRG

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-926L_20250415

Lab Sample ID: 475-2760-12

Date Collected: 04/15/25 11:08

Matrix: Water

Date Received: 04/15/25 17:05

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 17:48	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/21/25 14:43	1	SEC
Chloride (SM 4500 Cl- E)	30		1.0	mg/L		04/16/25 14:52	1	ALS

Client Sample ID: B-929U_20250415

Lab Sample ID: 475-2760-13

Date Collected: 04/15/25 12:35

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/22/25 17:17	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	101		70 - 130			04/22/25 17:17	1	SLH
4-Bromofluorobenzene (Surr)	103		70 - 130			04/22/25 17:17	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/18/25 08:50	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/18/25 08:50	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/18/25 08:50	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/18/25 08:50	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/18/25 08:50	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
1,4-Dioxane	<50		50	ug/L		04/18/25 08:50	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/18/25 08:50	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
2-Hexanone	<10		10	ug/L		04/18/25 08:50	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/18/25 08:50	1	AMF
Acetone	<10		10	ug/L		04/18/25 08:50	1	AMF
Benzene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-929U_20250415

Lab Sample ID: 475-2760-13

Date Collected: 04/15/25 12:35

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromodichloromethane	<0.50		0.50	ug/L		04/18/25 08:50	1	AMF
Bromoform	<2.0		2.0	ug/L		04/18/25 08:50	1	AMF
Bromomethane	<2.0		2.0	ug/L		04/18/25 08:50	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/18/25 08:50	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/18/25 08:50	1	AMF
Chloroform	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/18/25 08:50	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 08:50	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/18/25 08:50	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/18/25 08:50	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/18/25 08:50	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/18/25 08:50	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/18/25 08:50	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/18/25 08:50	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
Styrene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/18/25 08:50	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/18/25 08:50	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/18/25 08:50	1	AMF
Toluene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 08:50	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/18/25 08:50	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/18/25 08:50	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	101		70 - 130	04/18/25 08:50	1	AMF
1,2-Dichloroethane-d4 (Surr)	102		70 - 130	04/18/25 08:50	1	AMF
4-Bromofluorobenzene (Surr)	98		70 - 130	04/18/25 08:50	1	AMF
Toluene-d8 (Surr)	100		70 - 130	04/18/25 08:50	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-929U_20250415

Lab Sample ID: 475-2760-13

Date Collected: 04/15/25 12:35

Matrix: Water

Date Received: 04/15/25 17:05

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/17/25 16:34	1	ALS

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 16:37	1	DS
Manganese	<0.0050		0.0050	mg/L		04/16/25 16:37	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	1.3		0.50	mg/L		04/16/25 14:53	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 17:51	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/21/25 14:43	1	SEC
Chloride (SM 4500 Cl- E)	1.5		1.0	mg/L		04/16/25 14:53	1	ALS

Client Sample ID: B-930U_20250415

Lab Sample ID: 475-2760-14

Date Collected: 04/15/25 13:04

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/22/25 17:44	1	SLH

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130	04/22/25 17:44	1	SLH
4-Bromofluorobenzene (Surr)	104		70 - 130	04/22/25 17:44	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
1,1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/18/25 09:14	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/18/25 09:14	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/18/25 09:14	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/18/25 09:14	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/18/25 09:14	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
1,2-Dichloroethane	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
1,4-Dioxane	<50		50	ug/L		04/18/25 09:14	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-930U_20250415

Lab Sample ID: 475-2760-14

Date Collected: 04/15/25 13:04

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
2-Butanone (MEK)	<10		10	ug/L		04/18/25 09:14	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
2-Hexanone	<10		10	ug/L		04/18/25 09:14	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/18/25 09:14	1	AMF
Acetone	12		10	ug/L		04/18/25 09:14	1	AMF
Benzene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/18/25 09:14	1	AMF
Bromoform	<2.0		2.0	ug/L		04/18/25 09:14	1	AMF
Bromomethane	<2.0		2.0	ug/L		04/18/25 09:14	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/18/25 09:14	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/18/25 09:14	1	AMF
Chloroform	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/18/25 09:14	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 09:14	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/18/25 09:14	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/18/25 09:14	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/18/25 09:14	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/18/25 09:14	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/18/25 09:14	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/18/25 09:14	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
Styrene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/18/25 09:14	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/18/25 09:14	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/18/25 09:14	1	AMF
Toluene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 09:14	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/18/25 09:14	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-930U_20250415

Lab Sample ID: 475-2760-14

Date Collected: 04/15/25 13:04

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Vinyl chloride	<1.0		1.0	ug/L		04/18/25 09:14	1	AMF
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	100		70 - 130			04/18/25 09:14	1	AMF
1,2-Dichloroethane-d4 (Surr)	103		70 - 130			04/18/25 09:14	1	AMF
4-Bromofluorobenzene (Surr)	98		70 - 130			04/18/25 09:14	1	AMF
Toluene-d8 (Surr)	101		70 - 130			04/18/25 09:14	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/17/25 16:48	1	ALS

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 16:42	1	DS
Manganese	<0.0050		0.0050	mg/L		04/16/25 16:42	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 14:55	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 17:53	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/21/25 14:43	1	SEC
Chloride (SM 4500 Cl- E)	1.1		1.0	mg/L		04/16/25 14:55	1	ALS

Client Sample ID: B-931U_20250415

Lab Sample ID: 475-2760-15

Date Collected: 04/15/25 13:30

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/22/25 18:10	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/22/25 18:10	1	SLH
4-Bromofluorobenzene (Surr)	103		70 - 130			04/22/25 18:10	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
1,1-Dichloroethane	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
1,1-Dichloroethene	<0.50		0.50	ug/L		04/18/25 09:39	1	AMF
1,1-Dichloropropene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/18/25 09:39	1	AMF
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/18/25 09:39	1	AMF
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/18/25 09:39	1	AMF
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/18/25 09:39	1	AMF
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-931U_20250415

Lab Sample ID: 475-2760-15

Date Collected: 04/15/25 13:30

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,2-Dichloroethane	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
1,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
1,3-Dichloropropane	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
1,4-Dioxane	<50		50	ug/L		04/18/25 09:39	1	AMF
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
2,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
2-Butanone (MEK)	<10		10	ug/L		04/18/25 09:39	1	AMF
2-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
2-Hexanone	<10		10	ug/L		04/18/25 09:39	1	AMF
4-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/18/25 09:39	1	AMF
Acetone	<10		10	ug/L		04/18/25 09:39	1	AMF
Benzene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
Bromobenzene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
Bromochloromethane	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
Bromodichloromethane	<0.50		0.50	ug/L		04/18/25 09:39	1	AMF
Bromoform	<2.0		2.0	ug/L		04/18/25 09:39	1	AMF
Bromomethane	<2.0		2.0	ug/L		04/18/25 09:39	1	AMF
Carbon disulfide	<2.0		2.0	ug/L		04/18/25 09:39	1	AMF
Carbon tetrachloride	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
Chlorobenzene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
Chloroethane	<2.0		2.0	ug/L		04/18/25 09:39	1	AMF
Chloroform	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
Chloromethane	<2.0		2.0	ug/L		04/18/25 09:39	1	AMF
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 09:39	1	AMF
Dibromochloromethane	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
Dibromomethane	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/18/25 09:39	1	AMF
Diethyl ether	<2.0		2.0	ug/L		04/18/25 09:39	1	AMF
Ethylbenzene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/18/25 09:39	1	AMF
Hexachlorobutadiene	<0.50		0.50	ug/L		04/18/25 09:39	1	AMF
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/18/25 09:39	1	AMF
Isopropylbenzene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
m,p-Xylene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
Methylene Chloride	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
Naphthalene	<2.0		2.0	ug/L		04/18/25 09:39	1	AMF
n-Butylbenzene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
N-Propylbenzene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
o-Xylene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
p-Isopropyltoluene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
sec-Butylbenzene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
Styrene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: B-931U_20250415

Lab Sample ID: 475-2760-15

Date Collected: 04/15/25 13:30

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/18/25 09:39	1	AMF
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/18/25 09:39	1	AMF
tert-Butylbenzene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
Tetrachloroethene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
Tetrahydrofuran (THF)	<10		10	ug/L		04/18/25 09:39	1	AMF
Toluene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 09:39	1	AMF
Trichloroethene	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF
Trichlorofluoromethane	<2.0		2.0	ug/L		04/18/25 09:39	1	AMF
Vinyl chloride	<1.0		1.0	ug/L		04/18/25 09:39	1	AMF

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	101		70 - 130	04/18/25 09:39	1	AMF
1,2-Dichloroethane-d4 (Surr)	100		70 - 130	04/18/25 09:39	1	AMF
4-Bromofluorobenzene (Surr)	98		70 - 130	04/18/25 09:39	1	AMF
Toluene-d8 (Surr)	103		70 - 130	04/18/25 09:39	1	AMF

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Bromide	<0.10		0.10	mg/L		04/17/25 17:03	1	ALS

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	<0.050		0.050	mg/L		04/16/25 16:46	1	DS
Manganese	<0.0050		0.0050	mg/L		04/16/25 16:46	1	DS
Arsenic	<0.0010		0.0010	mg/L		04/16/25 16:46	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 14:56	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 17:56	1	EWG
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/21/25 14:43	1	SEC
Chloride (SM 4500 Cl- E)	2.0		1.0	mg/L		04/16/25 14:56	1	ALS

Client Sample ID: TB-GW-02_20250415

Lab Sample ID: 475-2760-16

Date Collected: 04/15/25 15:00

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
1,1,1,2-Tetrachloroethane	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
1,1-Dichloroethane	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
1,1-Dichloroethene	<0.50		0.50	ug/L		04/18/25 14:38	1	HKR
1,1-Dichloropropene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/18/25 14:38	1	HKR
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/18/25 14:38	1	HKR
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: TB-GW-02_20250415

Lab Sample ID: 475-2760-16

Date Collected: 04/15/25 15:00

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/18/25 14:38	1	HKR
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/18/25 14:38	1	HKR
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
1,2-Dichloroethane	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
1,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
1,3-Dichloropropane	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
1,4-Dioxane	<50		50	ug/L		04/18/25 14:38	1	HKR
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
2,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
2-Butanone (MEK)	<10		10	ug/L		04/18/25 14:38	1	HKR
2-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
2-Hexanone	<10		10	ug/L		04/18/25 14:38	1	HKR
4-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/18/25 14:38	1	HKR
Acetone	<10		10	ug/L		04/18/25 14:38	1	HKR
Benzene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
Bromobenzene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
Bromochloromethane	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
Bromodichloromethane	<0.50		0.50	ug/L		04/18/25 14:38	1	HKR
Bromoform	<2.0		2.0	ug/L		04/18/25 14:38	1	HKR
Bromomethane	<2.0		2.0	ug/L		04/18/25 14:38	1	HKR
Carbon disulfide	<2.0		2.0	ug/L		04/18/25 14:38	1	HKR
Carbon tetrachloride	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
Chlorobenzene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
Chloroethane	<2.0		2.0	ug/L		04/18/25 14:38	1	HKR
Chloroform	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
Chloromethane	<2.0		2.0	ug/L		04/18/25 14:38	1	HKR
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 14:38	1	HKR
Dibromochloromethane	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
Dibromomethane	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/18/25 14:38	1	HKR
Diethyl ether	<2.0		2.0	ug/L		04/18/25 14:38	1	HKR
Ethylbenzene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/18/25 14:38	1	HKR
Hexachlorobutadiene	<0.50		0.50	ug/L		04/18/25 14:38	1	HKR
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/18/25 14:38	1	HKR
Isopropylbenzene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
m,p-Xylene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
Methylene Chloride	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
Naphthalene	<2.0		2.0	ug/L		04/18/25 14:38	1	HKR
n-Butylbenzene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
N-Propylbenzene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
o-Xylene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Client Sample ID: TB-GW-02_20250415

Lab Sample ID: 475-2760-16

Date Collected: 04/15/25 15:00

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
p-Isopropyltoluene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
sec-Butylbenzene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
Styrene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/18/25 14:38	1	HKR
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/18/25 14:38	1	HKR
tert-Butylbenzene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
Tetrachloroethene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
Tetrahydrofuran (THF)	<10		10	ug/L		04/18/25 14:38	1	HKR
Toluene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 14:38	1	HKR
Trichloroethene	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR
Trichlorofluoromethane	<2.0		2.0	ug/L		04/18/25 14:38	1	HKR
Vinyl chloride	<1.0		1.0	ug/L		04/18/25 14:38	1	HKR

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	102		70 - 130	04/18/25 14:38	1	HKR
1,2-Dichloroethane-d4 (Surr)	118		70 - 130	04/18/25 14:38	1	HKR
4-Bromofluorobenzene (Surr)	105		70 - 130	04/18/25 14:38	1	HKR
Toluene-d8 (Surr)	94		70 - 130	04/18/25 14:38	1	HKR

Client Sample ID: TB-LL-GW-02_20250415

Lab Sample ID: 475-2760-17

Date Collected: 04/15/25 15:00

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/22/25 13:46	1	SLH

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130	04/22/25 13:46	1	SLH
4-Bromofluorobenzene (Surr)	102		70 - 130	04/22/25 13:46	1	SLH

QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 475-3706/4

Matrix: Water

Analysis Batch: 3706

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.25		0.25	ug/L			04/18/25 11:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130				04/18/25 11:01	1
4-Bromofluorobenzene (Surr)	101		70 - 130				04/18/25 11:01	1

Lab Sample ID: LCS 475-3706/2

Matrix: Water

Analysis Batch: 3706

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	5.00	5.27		ug/L		105	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	100		70 - 130				
4-Bromofluorobenzene (Surr)	102		70 - 130				

Lab Sample ID: LCSD 475-3706/3

Matrix: Water

Analysis Batch: 3706

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	5.00	5.40		ug/L		108	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	100		70 - 130						
4-Bromofluorobenzene (Surr)	102		70 - 130						

Lab Sample ID: MB 475-3817/4

Matrix: Water

Analysis Batch: 3817

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.25		0.25	ug/L			04/22/25 11:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130				04/22/25 11:26	1
4-Bromofluorobenzene (Surr)	103		70 - 130				04/22/25 11:26	1

Lab Sample ID: LCS 475-3817/2

Matrix: Water

Analysis Batch: 3817

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	5.00	5.58		ug/L		112	70 - 130

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Method: 8260B SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 475-3817/2

Matrix: Water

Analysis Batch: 3817

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 475-3817/3

Matrix: Water

Analysis Batch: 3817

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	5.00	5.48		ug/L		110	70 - 130	2	20
	LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits						
Toluene-d8 (Surr)	100		70 - 130						
4-Bromofluorobenzene (Surr)	102		70 - 130						

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 475-3556/5

Matrix: Water

Analysis Batch: 3556

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0	ug/L			04/18/25 01:52	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L			04/18/25 01:52	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			04/18/25 01:52	1
1,1-Dichloroethane	<1.0		1.0	ug/L			04/18/25 01:52	1
1,1-Dichloroethene	<0.50		0.50	ug/L			04/18/25 01:52	1
1,1-Dichloropropene	<1.0		1.0	ug/L			04/18/25 01:52	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			04/18/25 01:52	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			04/18/25 01:52	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			04/18/25 01:52	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			04/18/25 01:52	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L			04/18/25 01:52	1
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L			04/18/25 01:52	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			04/18/25 01:52	1
1,2-Dichloroethane	<1.0		1.0	ug/L			04/18/25 01:52	1
1,2-Dichloropropane	<1.0		1.0	ug/L			04/18/25 01:52	1
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L			04/18/25 01:52	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			04/18/25 01:52	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			04/18/25 01:52	1
1,3-Dichloropropane	<1.0		1.0	ug/L			04/18/25 01:52	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			04/18/25 01:52	1
1,4-Dioxane	<50		50	ug/L			04/18/25 01:52	1
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L			04/18/25 01:52	1
2,2-Dichloropropane	<1.0		1.0	ug/L			04/18/25 01:52	1
2-Butanone (MEK)	<10		10	ug/L			04/18/25 01:52	1
2-Chlorotoluene	<1.0		1.0	ug/L			04/18/25 01:52	1
2-Hexanone	<10		10	ug/L			04/18/25 01:52	1
4-Chlorotoluene	<1.0		1.0	ug/L			04/18/25 01:52	1

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 475-3556/5

Matrix: Water

Analysis Batch: 3556

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L			04/18/25 01:52	1
Acetone	<10		10	ug/L			04/18/25 01:52	1
Benzene	<1.0		1.0	ug/L			04/18/25 01:52	1
Bromobenzene	<1.0		1.0	ug/L			04/18/25 01:52	1
Bromochloromethane	<1.0		1.0	ug/L			04/18/25 01:52	1
Bromodichloromethane	<0.50		0.50	ug/L			04/18/25 01:52	1
Bromoform	<2.0		2.0	ug/L			04/18/25 01:52	1
Bromomethane	<2.0		2.0	ug/L			04/18/25 01:52	1
Carbon disulfide	<2.0		2.0	ug/L			04/18/25 01:52	1
Carbon tetrachloride	<1.0		1.0	ug/L			04/18/25 01:52	1
Chlorobenzene	<1.0		1.0	ug/L			04/18/25 01:52	1
Chloroethane	<2.0		2.0	ug/L			04/18/25 01:52	1
Chloroform	<1.0		1.0	ug/L			04/18/25 01:52	1
Chloromethane	<2.0		2.0	ug/L			04/18/25 01:52	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			04/18/25 01:52	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			04/18/25 01:52	1
Dibromochloromethane	<1.0		1.0	ug/L			04/18/25 01:52	1
Dibromomethane	<1.0		1.0	ug/L			04/18/25 01:52	1
Dichlorodifluoromethane	<2.0		2.0	ug/L			04/18/25 01:52	1
Diethyl ether	<2.0		2.0	ug/L			04/18/25 01:52	1
Ethylbenzene	<1.0		1.0	ug/L			04/18/25 01:52	1
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L			04/18/25 01:52	1
Hexachlorobutadiene	<0.50		0.50	ug/L			04/18/25 01:52	1
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L			04/18/25 01:52	1
Isopropylbenzene	<1.0		1.0	ug/L			04/18/25 01:52	1
m,p-Xylene	<1.0		1.0	ug/L			04/18/25 01:52	1
Methylene Chloride	<1.0		1.0	ug/L			04/18/25 01:52	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			04/18/25 01:52	1
Naphthalene	<2.0		2.0	ug/L			04/18/25 01:52	1
n-Butylbenzene	<1.0		1.0	ug/L			04/18/25 01:52	1
N-Propylbenzene	<1.0		1.0	ug/L			04/18/25 01:52	1
o-Xylene	<1.0		1.0	ug/L			04/18/25 01:52	1
p-Isopropyltoluene	<1.0		1.0	ug/L			04/18/25 01:52	1
sec-Butylbenzene	<1.0		1.0	ug/L			04/18/25 01:52	1
Styrene	<1.0		1.0	ug/L			04/18/25 01:52	1
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L			04/18/25 01:52	1
tert-Butyl alcohol (TBA)	<30		30	ug/L			04/18/25 01:52	1
tert-Butylbenzene	<1.0		1.0	ug/L			04/18/25 01:52	1
Tetrachloroethene	<1.0		1.0	ug/L			04/18/25 01:52	1
Tetrahydrofuran (THF)	<10		10	ug/L			04/18/25 01:52	1
Toluene	<1.0		1.0	ug/L			04/18/25 01:52	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			04/18/25 01:52	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			04/18/25 01:52	1
Trichloroethene	<1.0		1.0	ug/L			04/18/25 01:52	1
Trichlorofluoromethane	<2.0		2.0	ug/L			04/18/25 01:52	1
Vinyl chloride	<1.0		1.0	ug/L			04/18/25 01:52	1

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 475-3556/5

Matrix: Water

Analysis Batch: 3556

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	99		70 - 130		04/18/25 01:52	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		04/18/25 01:52	1
4-Bromofluorobenzene (Surr)	100		70 - 130		04/18/25 01:52	1
Toluene-d8 (Surr)	102		70 - 130		04/18/25 01:52	1

Lab Sample ID: LCS 475-3556/2

Matrix: Water

Analysis Batch: 3556

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	21.2		ug/L		106	70 - 130
1,1,2,2-Tetrachloroethane	20.0	21.8		ug/L		109	70 - 130
1,1,2-Trichloroethane	20.0	21.2		ug/L		106	70 - 130
1,1-Dichloroethane	20.0	22.2		ug/L		111	70 - 130
1,1-Dichloroethene	20.0	21.6		ug/L		108	70 - 130
1,1-Dichloropropene	20.0	22.2		ug/L		111	70 - 130
1,2,3-Trichlorobenzene	20.0	21.9		ug/L		110	70 - 130
1,2,3-Trichloropropane	20.0	21.1		ug/L		106	70 - 130
1,2,4-Trichlorobenzene	20.0	21.1		ug/L		106	70 - 130
1,2,4-Trimethylbenzene	20.0	21.4		ug/L		107	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	21.5		ug/L		108	70 - 130
1,2-Dibromoethane (EDB)	20.0	21.0		ug/L		105	70 - 130
1,2-Dichlorobenzene	20.0	21.7		ug/L		109	70 - 130
1,2-Dichloroethane	20.0	20.9		ug/L		104	70 - 130
1,2-Dichloropropane	20.0	21.9		ug/L		109	70 - 130
1,3,5-Trichlorobenzene	20.0	22.3		ug/L		112	70 - 130
1,3,5-Trimethylbenzene	20.0	21.4		ug/L		107	70 - 130
1,3-Dichlorobenzene	20.0	21.7		ug/L		109	70 - 130
1,3-Dichloropropane	20.0	21.1		ug/L		106	70 - 130
1,4-Dichlorobenzene	20.0	21.4		ug/L		107	70 - 130
1,4-Dioxane	20.0	24.4 J		ug/L		122	40 - 160
1,1,1,2-Tetrachloroethane (Surr)	20.0	20.7		ug/L		103	70 - 130
2,2-Dichloropropane	20.0	19.4		ug/L		97	70 - 130
2-Butanone (MEK)	20.0	21.9		ug/L		110	40 - 160
2-Chlorotoluene	20.0	21.7		ug/L		109	70 - 130
2-Hexanone	20.0	22.4		ug/L		112	40 - 160
4-Chlorotoluene	20.0	22.2		ug/L		111	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	20.2		ug/L		101	40 - 160
Acetone	20.0	20.2		ug/L		101	40 - 160
Benzene	20.0	21.8		ug/L		109	70 - 130
Bromobenzene	20.0	21.1		ug/L		106	70 - 130
Bromochloromethane	20.0	20.8		ug/L		104	70 - 130
Bromodichloromethane	20.0	19.8		ug/L		99	70 - 130
Bromoform	20.0	20.1		ug/L		101	70 - 130
Bromomethane	20.0	9.75		ug/L		49	40 - 160
Carbon disulfide	20.0	19.1		ug/L		96	70 - 130
Carbon tetrachloride	20.0	21.5		ug/L		107	70 - 130
Chlorobenzene	20.0	21.4		ug/L		107	70 - 130

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 475-3556/2

Matrix: Water

Analysis Batch: 3556

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroethane	20.0	18.5		ug/L		92	70 - 130
Chloroform	20.0	20.2		ug/L		101	70 - 130
Chloromethane	20.0	17.5		ug/L		88	40 - 160
cis-1,2-Dichloroethene	20.0	21.3		ug/L		106	70 - 130
cis-1,3-Dichloropropene	20.0	19.8		ug/L		99	70 - 130
Dibromochloromethane	20.0	19.5		ug/L		97	70 - 130
Dibromomethane	20.0	20.7		ug/L		103	70 - 130
Dichlorodifluoromethane	20.0	23.0		ug/L		115	40 - 160
Diethyl ether	20.0	21.6		ug/L		108	70 - 130
Ethylbenzene	20.0	21.7		ug/L		108	70 - 130
Ethyl-t-butyl ether (ETBE)	20.0	21.2		ug/L		106	70 - 130
Hexachlorobutadiene	20.0	20.9		ug/L		105	70 - 130
Isopropyl Ether (DIPE)	20.0	21.3		ug/L		107	70 - 130
Isopropylbenzene	20.0	19.4		ug/L		97	70 - 130
m,p-Xylene	40.0	42.9		ug/L		107	70 - 130
Methylene Chloride	20.0	20.4		ug/L		102	70 - 130
Methyl-t-Butyl Ether (MTBE)	20.0	20.3		ug/L		101	70 - 130
Naphthalene	20.0	21.4		ug/L		107	70 - 130
n-Butylbenzene	20.0	22.6		ug/L		113	70 - 130
N-Propylbenzene	20.0	22.1		ug/L		111	70 - 130
o-Xylene	20.0	21.4		ug/L		107	70 - 130
p-Isopropyltoluene	20.0	22.6		ug/L		113	70 - 130
sec-Butylbenzene	20.0	23.0		ug/L		115	70 - 130
Styrene	20.0	21.6		ug/L		108	70 - 130
tert-Amyl Methyl Ether (TAME)	20.0	20.7		ug/L		104	70 - 130
tert-Butyl alcohol (TBA)	100	117		ug/L		117	70 - 130
tert-Butylbenzene	20.0	21.5		ug/L		107	70 - 130
Tetrachloroethene	20.0	21.6		ug/L		108	70 - 130
Tetrahydrofuran (THF)	20.0	21.1		ug/L		105	70 - 130
Toluene	20.0	21.8		ug/L		109	70 - 130
trans-1,2-Dichloroethene	20.0	21.1		ug/L		105	70 - 130
trans-1,3-Dichloropropene	20.0	21.2		ug/L		106	70 - 130
Trichloroethene	20.0	21.6		ug/L		108	70 - 130
Trichlorofluoromethane	20.0	20.9		ug/L		105	70 - 130
Vinyl chloride	20.0	18.9		ug/L		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: LCSD 475-3556/3

Matrix: Water

Analysis Batch: 3556

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	21.6		ug/L		108	70 - 130	2	20

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 475-3556/3

Matrix: Water

Analysis Batch: 3556

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	20.0	23.1		ug/L		116	70 - 130	6	20
1,1,2-Trichloroethane	20.0	22.0		ug/L		110	70 - 130	4	20
1,1-Dichloroethane	20.0	22.6		ug/L		113	70 - 130	2	20
1,1-Dichloroethene	20.0	21.8		ug/L		109	70 - 130	1	20
1,1-Dichloropropene	20.0	22.3		ug/L		112	70 - 130	1	20
1,2,3-Trichlorobenzene	20.0	23.0		ug/L		115	70 - 130	5	20
1,2,3-Trichloropropane	20.0	22.4		ug/L		112	70 - 130	6	20
1,2,4-Trichlorobenzene	20.0	21.9		ug/L		110	70 - 130	4	20
1,2,4-Trimethylbenzene	20.0	22.1		ug/L		110	70 - 130	3	20
1,2-Dibromo-3-Chloropropane	20.0	22.5		ug/L		112	70 - 130	4	20
1,2-Dibromoethane (EDB)	20.0	21.8		ug/L		109	70 - 130	4	20
1,2-Dichlorobenzene	20.0	22.6		ug/L		113	70 - 130	4	20
1,2-Dichloroethane	20.0	21.3		ug/L		107	70 - 130	2	20
1,2-Dichloropropane	20.0	22.2		ug/L		111	70 - 130	1	20
1,3,5-Trichlorobenzene	20.0	22.9		ug/L		115	70 - 130	3	20
1,3,5-Trimethylbenzene	20.0	21.9		ug/L		110	70 - 130	2	20
1,3-Dichlorobenzene	20.0	22.6		ug/L		113	70 - 130	4	20
1,3-Dichloropropane	20.0	21.6		ug/L		108	70 - 130	2	20
1,4-Dichlorobenzene	20.0	22.3		ug/L		112	70 - 130	4	20
1,4-Dioxane	20.0	24.9 J		ug/L		124	40 - 160	2	20
1,1,1,2-Tetrachloroethane (Surr)	20.0	21.4		ug/L		107	70 - 130	3	20
2,2-Dichloropropane	20.0	19.6		ug/L		98	70 - 130	1	20
2-Butanone (MEK)	20.0	22.3		ug/L		111	40 - 160	2	20
2-Chlorotoluene	20.0	22.3		ug/L		112	70 - 130	3	20
2-Hexanone	20.0	23.1		ug/L		115	40 - 160	3	20
4-Chlorotoluene	20.0	22.7		ug/L		114	70 - 130	3	20
4-Methyl-2-pentanone (MIBK)	20.0	21.3		ug/L		106	40 - 160	5	20
Acetone	20.0	20.3		ug/L		101	40 - 160	0	20
Benzene	20.0	22.0		ug/L		110	70 - 130	1	20
Bromobenzene	20.0	22.1		ug/L		110	70 - 130	4	20
Bromochloromethane	20.0	20.9		ug/L		104	70 - 130	0	20
Bromodichloromethane	20.0	20.3		ug/L		102	70 - 130	2	20
Bromoform	20.0	21.0		ug/L		105	70 - 130	4	20
Bromomethane	20.0	11.3		ug/L		56	40 - 160	14	20
Carbon disulfide	20.0	19.4		ug/L		97	70 - 130	1	20
Carbon tetrachloride	20.0	21.9		ug/L		110	70 - 130	2	20
Chlorobenzene	20.0	21.8		ug/L		109	70 - 130	2	20
Chloroethane	20.0	18.6		ug/L		93	70 - 130	0	20
Chloroform	20.0	20.4		ug/L		102	70 - 130	1	20
Chloromethane	20.0	17.5		ug/L		88	40 - 160	0	20
cis-1,2-Dichloroethene	20.0	21.7		ug/L		108	70 - 130	2	20
cis-1,3-Dichloropropene	20.0	20.4		ug/L		102	70 - 130	3	20
Dibromochloromethane	20.0	20.3		ug/L		101	70 - 130	4	20
Dibromomethane	20.0	21.3		ug/L		106	70 - 130	3	20
Dichlorodifluoromethane	20.0	22.9		ug/L		114	40 - 160	0	20
Diethyl ether	20.0	21.9		ug/L		110	70 - 130	2	20
Ethylbenzene	20.0	22.1		ug/L		111	70 - 130	2	20
Ethyl-t-butyl ether (ETBE)	20.0	21.7		ug/L		109	70 - 130	2	20
Hexachlorobutadiene	20.0	21.0		ug/L		105	70 - 130	0	20

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 475-3556/3

Matrix: Water

Analysis Batch: 3556

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Isopropyl Ether (DIPE)	20.0	21.6		ug/L		108	70 - 130	1	20
Isopropylbenzene	20.0	19.5		ug/L		98	70 - 130	1	20
m,p-Xylene	40.0	43.7		ug/L		109	70 - 130	2	20
Methylene Chloride	20.0	20.7		ug/L		103	70 - 130	1	20
Methyl-t-Butyl Ether (MTBE)	20.0	20.8		ug/L		104	70 - 130	2	20
Naphthalene	20.0	22.7		ug/L		113	70 - 130	6	20
n-Butylbenzene	20.0	22.7		ug/L		113	70 - 130	1	20
N-Propylbenzene	20.0	22.5		ug/L		113	70 - 130	2	20
o-Xylene	20.0	21.8		ug/L		109	70 - 130	2	20
p-Isopropyltoluene	20.0	23.2		ug/L		116	70 - 130	2	20
sec-Butylbenzene	20.0	23.4		ug/L		117	70 - 130	2	20
Styrene	20.0	22.1		ug/L		110	70 - 130	2	20
tert-Amyl Methyl Ether (TAME)	20.0	21.3		ug/L		107	70 - 130	3	20
tert-Butyl alcohol (TBA)	100	123		ug/L		123	70 - 130	5	20
tert-Butylbenzene	20.0	21.9		ug/L		110	70 - 130	2	20
Tetrachloroethene	20.0	21.7		ug/L		109	70 - 130	1	20
Tetrahydrofuran (THF)	20.0	21.6		ug/L		108	70 - 130	2	20
Toluene	20.0	22.3		ug/L		112	70 - 130	2	20
trans-1,2-Dichloroethene	20.0	21.3		ug/L		107	70 - 130	1	20
trans-1,3-Dichloropropene	20.0	21.9		ug/L		109	70 - 130	3	20
Trichloroethene	20.0	21.9		ug/L		110	70 - 130	2	20
Trichlorofluoromethane	20.0	21.1		ug/L		106	70 - 130	1	20
Vinyl chloride	20.0	19.0		ug/L		95	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: MB 475-3759/5

Matrix: Water

Analysis Batch: 3759

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0	ug/L			04/18/25 13:18	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	ug/L			04/18/25 13:18	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			04/18/25 13:18	1
1,1-Dichloroethane	<1.0		1.0	ug/L			04/18/25 13:18	1
1,1-Dichloroethene	<0.50		0.50	ug/L			04/18/25 13:18	1
1,1-Dichloropropene	<1.0		1.0	ug/L			04/18/25 13:18	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			04/18/25 13:18	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			04/18/25 13:18	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L			04/18/25 13:18	1
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L			04/18/25 13:18	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			04/18/25 13:18	1

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 475-3759/5

Matrix: Water

Analysis Batch: 3759

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<1.0		1.0	ug/L			04/18/25 13:18	1
1,2-Dichloropropane	<1.0		1.0	ug/L			04/18/25 13:18	1
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
1,3-Dichloropropane	<1.0		1.0	ug/L			04/18/25 13:18	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
1,4-Dioxane	<50		50	ug/L			04/18/25 13:18	1
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L			04/18/25 13:18	1
2,2-Dichloropropane	<1.0		1.0	ug/L			04/18/25 13:18	1
2-Butanone (MEK)	<10		10	ug/L			04/18/25 13:18	1
2-Chlorotoluene	<1.0		1.0	ug/L			04/18/25 13:18	1
2-Hexanone	<10		10	ug/L			04/18/25 13:18	1
4-Chlorotoluene	<1.0		1.0	ug/L			04/18/25 13:18	1
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L			04/18/25 13:18	1
Acetone	<10		10	ug/L			04/18/25 13:18	1
Benzene	<1.0		1.0	ug/L			04/18/25 13:18	1
Bromobenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
Bromochloromethane	<1.0		1.0	ug/L			04/18/25 13:18	1
Bromodichloromethane	<0.50		0.50	ug/L			04/18/25 13:18	1
Bromoform	<2.0		2.0	ug/L			04/18/25 13:18	1
Bromomethane	<2.0		2.0	ug/L			04/18/25 13:18	1
Carbon disulfide	<2.0		2.0	ug/L			04/18/25 13:18	1
Carbon tetrachloride	<1.0		1.0	ug/L			04/18/25 13:18	1
Chlorobenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
Chloroethane	<2.0		2.0	ug/L			04/18/25 13:18	1
Chloroform	<1.0		1.0	ug/L			04/18/25 13:18	1
Chloromethane	<2.0		2.0	ug/L			04/18/25 13:18	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			04/18/25 13:18	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			04/18/25 13:18	1
Dibromochloromethane	<1.0		1.0	ug/L			04/18/25 13:18	1
Dibromomethane	<1.0		1.0	ug/L			04/18/25 13:18	1
Dichlorodifluoromethane	<2.0		2.0	ug/L			04/18/25 13:18	1
Diethyl ether	<2.0		2.0	ug/L			04/18/25 13:18	1
Ethylbenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L			04/18/25 13:18	1
Hexachlorobutadiene	<0.50		0.50	ug/L			04/18/25 13:18	1
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L			04/18/25 13:18	1
Isopropylbenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
m,p-Xylene	<1.0		1.0	ug/L			04/18/25 13:18	1
Methylene Chloride	<1.0		1.0	ug/L			04/18/25 13:18	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			04/18/25 13:18	1
Naphthalene	<2.0		2.0	ug/L			04/18/25 13:18	1
n-Butylbenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
N-Propylbenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
o-Xylene	<1.0		1.0	ug/L			04/18/25 13:18	1
p-Isopropyltoluene	<1.0		1.0	ug/L			04/18/25 13:18	1
sec-Butylbenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
Styrene	<1.0		1.0	ug/L			04/18/25 13:18	1

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 475-3759/5

Matrix: Water

Analysis Batch: 3759

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L			04/18/25 13:18	1
tert-Butyl alcohol (TBA)	<30		30	ug/L			04/18/25 13:18	1
tert-Butylbenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
Tetrachloroethene	<1.0		1.0	ug/L			04/18/25 13:18	1
Tetrahydrofuran (THF)	<10		10	ug/L			04/18/25 13:18	1
Toluene	<1.0		1.0	ug/L			04/18/25 13:18	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			04/18/25 13:18	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			04/18/25 13:18	1
Trichloroethene	<1.0		1.0	ug/L			04/18/25 13:18	1
Trichlorofluoromethane	<2.0		2.0	ug/L			04/18/25 13:18	1
Vinyl chloride	<1.0		1.0	ug/L			04/18/25 13:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	101		70 - 130		04/18/25 13:18	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		04/18/25 13:18	1
4-Bromofluorobenzene (Surr)	101		70 - 130		04/18/25 13:18	1
Toluene-d8 (Surr)	101		70 - 130		04/18/25 13:18	1

Lab Sample ID: LCS 475-3759/2

Matrix: Water

Analysis Batch: 3759

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	22.0		ug/L		110	70 - 130
1,1,2,2-Tetrachloroethane	20.0	21.7		ug/L		108	70 - 130
1,1,2-Trichloroethane	20.0	22.2		ug/L		111	70 - 130
1,1-Dichloroethane	20.0	22.5		ug/L		113	70 - 130
1,1-Dichloroethene	20.0	22.7		ug/L		113	70 - 130
1,1-Dichloropropene	20.0	23.0		ug/L		115	70 - 130
1,2,3-Trichlorobenzene	20.0	22.6		ug/L		113	70 - 130
1,2,3-Trichloropropane	20.0	21.2		ug/L		106	70 - 130
1,2,4-Trichlorobenzene	20.0	21.9		ug/L		109	70 - 130
1,2,4-Trimethylbenzene	20.0	20.7		ug/L		104	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	21.1		ug/L		105	70 - 130
1,2-Dibromoethane (EDB)	20.0	21.9		ug/L		110	70 - 130
1,2-Dichlorobenzene	20.0	21.4		ug/L		107	70 - 130
1,2-Dichloroethane	20.0	21.6		ug/L		108	70 - 130
1,2-Dichloropropane	20.0	22.2		ug/L		111	70 - 130
1,3,5-Trichlorobenzene	20.0	22.6		ug/L		113	70 - 130
1,3,5-Trimethylbenzene	20.0	20.4		ug/L		102	70 - 130
1,3-Dichlorobenzene	20.0	21.4		ug/L		107	70 - 130
1,3-Dichloropropane	20.0	22.2		ug/L		111	70 - 130
1,4-Dichlorobenzene	20.0	21.2		ug/L		106	70 - 130
1,4-Dioxane	20.0	25.2	J	ug/L		126	40 - 160
1,1,1,2-Tetrachloroethane (Surr)	20.0	20.9		ug/L		105	70 - 130
2,2-Dichloropropane	20.0	23.4		ug/L		117	70 - 130
2-Butanone (MEK)	20.0	22.7		ug/L		113	40 - 160
2-Chlorotoluene	20.0	20.8		ug/L		104	70 - 130

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 475-3759/2

Matrix: Water

Analysis Batch: 3759

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	20.0	24.3		ug/L		121	40 - 160
4-Chlorotoluene	20.0	21.3		ug/L		107	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	22.2		ug/L		111	40 - 160
Acetone	20.0	20.0		ug/L		100	40 - 160
Benzene	20.0	22.1		ug/L		111	70 - 130
Bromobenzene	20.0	20.9		ug/L		104	70 - 130
Bromochloromethane	20.0	21.3		ug/L		106	70 - 130
Bromodichloromethane	20.0	20.1		ug/L		100	70 - 130
Bromoform	20.0	20.0		ug/L		100	70 - 130
Bromomethane	20.0	14.4		ug/L		72	40 - 160
Carbon disulfide	20.0	19.2		ug/L		96	70 - 130
Carbon tetrachloride	20.0	22.4		ug/L		112	70 - 130
Chlorobenzene	20.0	21.5		ug/L		107	70 - 130
Chloroethane	20.0	19.0		ug/L		95	70 - 130
Chloroform	20.0	20.4		ug/L		102	70 - 130
Chloromethane	20.0	17.6		ug/L		88	40 - 160
cis-1,2-Dichloroethene	20.0	21.8		ug/L		109	70 - 130
cis-1,3-Dichloropropene	20.0	20.7		ug/L		103	70 - 130
Dibromochloromethane	20.0	20.0		ug/L		100	70 - 130
Dibromomethane	20.0	21.4		ug/L		107	70 - 130
Dichlorodifluoromethane	20.0	23.4		ug/L		117	40 - 160
Diethyl ether	20.0	22.5		ug/L		113	70 - 130
Ethylbenzene	20.0	21.7		ug/L		109	70 - 130
Ethyl-t-butyl ether (ETBE)	20.0	22.2		ug/L		111	70 - 130
Hexachlorobutadiene	20.0	21.4		ug/L		107	70 - 130
Isopropyl Ether (DIPE)	20.0	21.8		ug/L		109	70 - 130
Isopropylbenzene	20.0	19.1		ug/L		96	70 - 130
m,p-Xylene	40.0	43.0		ug/L		107	70 - 130
Methylene Chloride	20.0	20.8		ug/L		104	70 - 130
Methyl-t-Butyl Ether (MTBE)	20.0	21.1		ug/L		106	70 - 130
Naphthalene	20.0	21.9		ug/L		110	70 - 130
n-Butylbenzene	20.0	21.7		ug/L		108	70 - 130
N-Propylbenzene	20.0	21.1		ug/L		105	70 - 130
o-Xylene	20.0	21.4		ug/L		107	70 - 130
p-Isopropyltoluene	20.0	21.6		ug/L		108	70 - 130
sec-Butylbenzene	20.0	21.9		ug/L		109	70 - 130
Styrene	20.0	21.8		ug/L		109	70 - 130
tert-Amyl Methyl Ether (TAME)	20.0	21.6		ug/L		108	70 - 130
tert-Butyl alcohol (TBA)	100	116		ug/L		116	70 - 130
tert-Butylbenzene	20.0	20.4		ug/L		102	70 - 130
Tetrachloroethene	20.0	22.1		ug/L		111	70 - 130
Tetrahydrofuran (THF)	20.0	22.2		ug/L		111	70 - 130
Toluene	20.0	22.2		ug/L		111	70 - 130
trans-1,2-Dichloroethene	20.0	21.6		ug/L		108	70 - 130
trans-1,3-Dichloropropene	20.0	22.3		ug/L		112	70 - 130
Trichloroethene	20.0	21.9		ug/L		110	70 - 130
Trichlorofluoromethane	20.0	22.0		ug/L		110	70 - 130
Vinyl chloride	20.0	19.7		ug/L		98	70 - 130

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 475-3759/2

Matrix: Water

Analysis Batch: 3759

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	104		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: LCSD 475-3759/3

Matrix: Water

Analysis Batch: 3759

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	22.0		ug/L		110	70 - 130	0	20
1,1,2,2-Tetrachloroethane	20.0	21.3		ug/L		106	70 - 130	2	20
1,1,2-Trichloroethane	20.0	22.1		ug/L		111	70 - 130	0	20
1,1-Dichloroethane	20.0	22.6		ug/L		113	70 - 130	0	20
1,1-Dichloroethene	20.0	22.6		ug/L		113	70 - 130	0	20
1,1-Dichloropropene	20.0	22.9		ug/L		115	70 - 130	1	20
1,2,3-Trichlorobenzene	20.0	21.8		ug/L		109	70 - 130	4	20
1,2,3-Trichloropropane	20.0	20.6		ug/L		103	70 - 130	3	20
1,2,4-Trichlorobenzene	20.0	21.4		ug/L		107	70 - 130	2	20
1,2,4-Trimethylbenzene	20.0	20.4		ug/L		102	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	20.0	20.5		ug/L		102	70 - 130	3	20
1,2-Dibromoethane (EDB)	20.0	21.8		ug/L		109	70 - 130	0	20
1,2-Dichlorobenzene	20.0	21.5		ug/L		107	70 - 130	0	20
1,2-Dichloroethane	20.0	21.9		ug/L		109	70 - 130	1	20
1,2-Dichloropropane	20.0	22.4		ug/L		112	70 - 130	1	20
1,3,5-Trichlorobenzene	20.0	22.0		ug/L		110	70 - 130	3	20
1,3,5-Trimethylbenzene	20.0	20.0		ug/L		100	70 - 130	2	20
1,3-Dichlorobenzene	20.0	21.2		ug/L		106	70 - 130	1	20
1,3-Dichloropropane	20.0	22.1		ug/L		110	70 - 130	1	20
1,4-Dichlorobenzene	20.0	20.9		ug/L		104	70 - 130	2	20
1,4-Dioxane	20.0	24.6 J		ug/L		123	40 - 160	2	20
1,1,1,2-Tetrachloroethane (Surr)	20.0	20.9		ug/L		104	70 - 130	0	20
2,2-Dichloropropane	20.0	22.6		ug/L		113	70 - 130	3	20
2-Butanone (MEK)	20.0	22.2		ug/L		111	40 - 160	2	20
2-Chlorotoluene	20.0	20.6		ug/L		103	70 - 130	1	20
2-Hexanone	20.0	23.0		ug/L		115	40 - 160	5	20
4-Chlorotoluene	20.0	20.9		ug/L		104	70 - 130	2	20
4-Methyl-2-pentanone (MIBK)	20.0	21.5		ug/L		108	40 - 160	3	20
Acetone	20.0	19.8		ug/L		99	40 - 160	1	20
Benzene	20.0	22.1		ug/L		111	70 - 130	0	20
Bromobenzene	20.0	20.5		ug/L		103	70 - 130	2	20
Bromochloromethane	20.0	21.5		ug/L		108	70 - 130	1	20
Bromodichloromethane	20.0	20.3		ug/L		102	70 - 130	1	20
Bromoform	20.0	20.2		ug/L		101	70 - 130	1	20
Bromomethane	20.0	15.2		ug/L		76	40 - 160	6	20
Carbon disulfide	20.0	19.2		ug/L		96	70 - 130	0	20
Carbon tetrachloride	20.0	22.4		ug/L		112	70 - 130	0	20
Chlorobenzene	20.0	21.5		ug/L		108	70 - 130	0	20

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 475-3759/3

Matrix: Water

Analysis Batch: 3759

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroethane	20.0	18.9		ug/L		95	70 - 130	0	20
Chloroform	20.0	20.5		ug/L		103	70 - 130	1	20
Chloromethane	20.0	17.7		ug/L		88	40 - 160	1	20
cis-1,2-Dichloroethene	20.0	21.9		ug/L		110	70 - 130	1	20
cis-1,3-Dichloropropene	20.0	20.9		ug/L		105	70 - 130	1	20
Dibromochloromethane	20.0	20.2		ug/L		101	70 - 130	1	20
Dibromomethane	20.0	21.5		ug/L		108	70 - 130	1	20
Dichlorodifluoromethane	20.0	23.6		ug/L		118	40 - 160	1	20
Diethyl ether	20.0	22.8		ug/L		114	70 - 130	1	20
Ethylbenzene	20.0	21.5		ug/L		108	70 - 130	1	20
Ethyl-t-butyl ether (ETBE)	20.0	22.3		ug/L		111	70 - 130	1	20
Hexachlorobutadiene	20.0	20.6		ug/L		103	70 - 130	4	20
Isopropyl Ether (DIPE)	20.0	22.0		ug/L		110	70 - 130	1	20
Isopropylbenzene	20.0	19.0		ug/L		95	70 - 130	1	20
m,p-Xylene	40.0	42.7		ug/L		107	70 - 130	1	20
Methylene Chloride	20.0	21.1		ug/L		105	70 - 130	1	20
Methyl-t-Butyl Ether (MTBE)	20.0	21.3		ug/L		106	70 - 130	1	20
Naphthalene	20.0	20.9		ug/L		104	70 - 130	5	20
n-Butylbenzene	20.0	21.2		ug/L		106	70 - 130	2	20
N-Propylbenzene	20.0	20.5		ug/L		103	70 - 130	3	20
o-Xylene	20.0	21.1		ug/L		106	70 - 130	1	20
p-Isopropyltoluene	20.0	21.3		ug/L		107	70 - 130	1	20
sec-Butylbenzene	20.0	21.5		ug/L		107	70 - 130	2	20
Styrene	20.0	21.6		ug/L		108	70 - 130	1	20
tert-Amyl Methyl Ether (TAME)	20.0	21.7		ug/L		109	70 - 130	1	20
tert-Butyl alcohol (TBA)	100	116		ug/L		116	70 - 130	0	20
tert-Butylbenzene	20.0	20.2		ug/L		101	70 - 130	1	20
Tetrachloroethene	20.0	21.8		ug/L		109	70 - 130	2	20
Tetrahydrofuran (THF)	20.0	22.0		ug/L		110	70 - 130	1	20
Toluene	20.0	22.0		ug/L		110	70 - 130	1	20
trans-1,2-Dichloroethene	20.0	21.7		ug/L		109	70 - 130	1	20
trans-1,3-Dichloropropene	20.0	22.2		ug/L		111	70 - 130	0	20
Trichloroethene	20.0	22.0		ug/L		110	70 - 130	0	20
Trichlorofluoromethane	20.0	22.6		ug/L		113	70 - 130	3	20
Vinyl chloride	20.0	19.7		ug/L		99	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	105		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130
Toluene-d8 (Surr)	101		70 - 130

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 475-3510/3

Matrix: Water

Analysis Batch: 3510

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.10		0.10	mg/L			04/17/25 11:16	1
Sulfate	<1.0		1.0	mg/L			04/17/25 11:16	1

Lab Sample ID: LCS 475-3510/17

Matrix: Water

Analysis Batch: 3510

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.00	2.10		mg/L		105	90 - 110
Sulfate	20.0	21.2		mg/L		106	90 - 110

Lab Sample ID: LCS 475-3510/2

Matrix: Water

Analysis Batch: 3510

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.00	2.08		mg/L		104	90 - 110
Sulfate	20.0	21.2		mg/L		106	90 - 110

Lab Sample ID: 475-2760-6 MS

Matrix: Water

Analysis Batch: 3510

Client Sample ID: B-917U_20250415

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	<0.10		2.00	2.06		mg/L		103	80 - 120

Lab Sample ID: 475-2760-6 MSD

Matrix: Water

Analysis Batch: 3510

Client Sample ID: B-917U_20250415

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	<0.10		2.00	2.06		mg/L		103	80 - 120	0	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 475-3296/1-A

Matrix: Water

Analysis Batch: 3332

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3296

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.050		0.050	mg/L		04/16/25 11:44	04/16/25 14:42	1
Iron	<0.050		0.050	mg/L		04/16/25 11:44	04/16/25 14:42	1
Manganese	<0.0050		0.0050	mg/L		04/16/25 11:44	04/16/25 14:42	1
Manganese	<0.0050		0.0050	mg/L		04/16/25 11:44	04/16/25 14:42	1
Arsenic	<0.0010		0.0010	mg/L		04/16/25 11:44	04/16/25 14:42	1

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 475-3296/2-A
Matrix: Water
Analysis Batch: 3332

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3296

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10.0	9.38		mg/L		94	85 - 115
Iron	10.0	9.26		mg/L		93	85 - 115
Manganese	0.200	0.190		mg/L		95	85 - 115
Manganese	0.200	0.190		mg/L		95	85 - 115
Arsenic	0.200	0.189		mg/L		95	85 - 115

Lab Sample ID: 475-2760-10 MS
Matrix: Water
Analysis Batch: 3332

Client Sample ID: B-924U_20250415
Prep Type: Dissolved
Prep Batch: 3296

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	<0.050		10.0	9.32		mg/L		93	70 - 130
Manganese	<0.0050		0.200	0.190		mg/L		95	70 - 130
Arsenic	<0.0010		0.200	0.191		mg/L		96	70 - 130

Lab Sample ID: 475-2760-10 MSD
Matrix: Water
Analysis Batch: 3332

Client Sample ID: B-924U_20250415
Prep Type: Dissolved
Prep Batch: 3296

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	<0.050		10.0	9.60		mg/L		96	70 - 130	3	20
Manganese	<0.0050		0.200	0.186		mg/L		93	70 - 130	2	20
Arsenic	<0.0010		0.200	0.188		mg/L		94	70 - 130	2	20

Method: 4500 NH3 D - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 475-3443/1-A
Matrix: Water
Analysis Batch: 3580

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3443

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<0.50		0.50	mg/L		04/18/25 08:33	04/18/25 16:42	1

Lab Sample ID: LCS 475-3443/2-A
Matrix: Water
Analysis Batch: 3580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3443

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	10.0	10.5		mg/L		105	90 - 110

Lab Sample ID: LCSD 475-3443/3-A
Matrix: Water
Analysis Batch: 3580

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3443

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	10.0	10.4		mg/L		104	90 - 110	1	20

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Method: 8000 - COD

Lab Sample ID: MB 475-3618/1
Matrix: Water
Analysis Batch: 3618

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<10		10	mg/L			04/21/25 14:43	1

Lab Sample ID: LCS 475-3618/2
Matrix: Water
Analysis Batch: 3618

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	100	99.5		mg/L		100	85 - 115

Lab Sample ID: LCSD 475-3618/25
Matrix: Water
Analysis Batch: 3618

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	100	98.3		mg/L		98	85 - 115	1	20

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 475-3326/5
Matrix: Water
Analysis Batch: 3326

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0	mg/L			04/16/25 14:24	1

Lab Sample ID: LCS 475-3326/2
Matrix: Water
Analysis Batch: 3326

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.0	26.7		mg/L		107	90 - 110

Lab Sample ID: LCS 475-3326/20
Matrix: Water
Analysis Batch: 3326

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.0	26.2		mg/L		105	90 - 110

Lab Sample ID: 475-2760-10 MS
Matrix: Water
Analysis Batch: 3326

Client Sample ID: B-924U_20250415
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1.0		9.80	10.4		mg/L		96	80 - 120

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: 475-2760-10 MSD
Matrix: Water
Analysis Batch: 3326

Client Sample ID: B-924U_20250415
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1.0		9.80	10.9		mg/L		101	80 - 120	5	20

Accreditation/Certification and Definitions Summary

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Laboratory: Eurofins Concord

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Hampshire	NELAP	1012	01-20-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,3,5-Trichlorobenzene

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
MRL	Method Reporting Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
SDL	Sample Detection Limit

Accreditation/Certification and Definitions Summary

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Groundwater | 2637.012

Job ID: 475-2760-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
SDL	Sample Detection Limit
SDL	Sample Detection Limit
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Chain-of-Custody Record

Metals: Lists Below **Samples Field Filtered:** YES

A: Fe, Mn

B: Fe, Mn, As

ن

Notes: (i.e., Sp

Trip blank(s)

Bill Nicks

***Report**

ii) pH*

the history.

Suspected Cor

Field Readings

erservice@earthlink.net

10

7

ANALYTICAL REPORT

PREPARED FOR

Attn: Matthew Estabrooks
Sanborn Head & Associates Inc
6 Bedford Farms Drive
Suite 201
Bedford, New Hampshire 03110

Generated 4/24/2025 1:12:14 PM

JOB DESCRIPTION

NCES | Surface Water
2637.012

JOB NUMBER

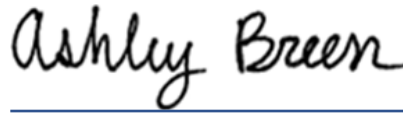
475-2764-1

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Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Authorized for release by
Ashley Breen, Project Manager
Ashley.Breen@et.eurofinsus.com
(603)228-0525

Case Narrative

Client: Sanborn Head & Associates Inc
Project: NCES | Surface Water

Job ID: 475-2764-1

Job ID: 475-2764-1

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Job Narrative 475-2764-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 4/15/2025 5:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C.

GC/MS VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Sample Summary

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Surface Water

Job ID: 475-2764-1
SDG: 2637.012

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
475-2764-1	S-1_20250415	Water	04/15/25 14:05	04/15/25 17:05
475-2764-2	SF-1_20250415	Water	04/15/25 13:55	04/15/25 17:05
475-2764-3	TB-SW-01_20250415	Water	04/15/25 14:30	04/15/25 17:05
475-2764-4	TB-LL-SW-01_20250415	Water	04/15/25 14:30	04/15/25 17:05

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Surface Water

Job ID: 475-2764-1
SDG: 2637.012

Client Sample ID: S-1_20250415

Lab Sample ID: 475-2764-1

Date Collected: 04/15/25 14:05

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/22/25 18:37	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	100		70 - 130			04/22/25 18:37	1	SLH
4-Bromofluorobenzene (Surr)	102		70 - 130			04/22/25 18:37	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
1,1-Dichloroethane	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
1,1-Dichloroethene	<0.50		0.50	ug/L		04/18/25 17:05	1	HKR
1,1-Dichloropropene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/18/25 17:05	1	HKR
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/18/25 17:05	1	HKR
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/18/25 17:05	1	HKR
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/18/25 17:05	1	HKR
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
1,2-Dichloroethane	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
1,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
1,3-Dichloropropane	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
1,4-Dioxane	<50		50	ug/L		04/18/25 17:05	1	HKR
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
2,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
2-Butanone (MEK)	<10		10	ug/L		04/18/25 17:05	1	HKR
2-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
2-Hexanone	<10		10	ug/L		04/18/25 17:05	1	HKR
4-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/18/25 17:05	1	HKR
Acetone	<10		10	ug/L		04/18/25 17:05	1	HKR
Benzene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
Bromobenzene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
Bromochloromethane	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
Bromodichloromethane	<0.50		0.50	ug/L		04/18/25 17:05	1	HKR
Bromoform	<2.0		2.0	ug/L		04/18/25 17:05	1	HKR
Bromomethane	<2.0		2.0	ug/L		04/18/25 17:05	1	HKR
Carbon disulfide	<2.0		2.0	ug/L		04/18/25 17:05	1	HKR
Carbon tetrachloride	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
Chlorobenzene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
Chloroethane	<2.0		2.0	ug/L		04/18/25 17:05	1	HKR
Chloroform	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
Chloromethane	<2.0		2.0	ug/L		04/18/25 17:05	1	HKR
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Surface Water

Job ID: 475-2764-1
SDG: 2637.012

Client Sample ID: S-1_20250415

Lab Sample ID: 475-2764-1

Date Collected: 04/15/25 14:05

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 17:05	1	HKR
Dibromochloromethane	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
Dibromomethane	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/18/25 17:05	1	HKR
Diethyl ether	<2.0		2.0	ug/L		04/18/25 17:05	1	HKR
Ethylbenzene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/18/25 17:05	1	HKR
Hexachlorobutadiene	<0.50		0.50	ug/L		04/18/25 17:05	1	HKR
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/18/25 17:05	1	HKR
Isopropylbenzene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
m,p-Xylene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
Methylene Chloride	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
Naphthalene	<2.0		2.0	ug/L		04/18/25 17:05	1	HKR
n-Butylbenzene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
N-Propylbenzene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
o-Xylene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
p-Isopropyltoluene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
sec-Butylbenzene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
Styrene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/18/25 17:05	1	HKR
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/18/25 17:05	1	HKR
tert-Butylbenzene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
Tetrachloroethene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
Tetrahydrofuran (THF)	<10		10	ug/L		04/18/25 17:05	1	HKR
Toluene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 17:05	1	HKR
Trichloroethene	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR
Trichlorofluoromethane	<2.0		2.0	ug/L		04/18/25 17:05	1	HKR
Vinyl chloride	<1.0		1.0	ug/L		04/18/25 17:05	1	HKR

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	103		70 - 130	04/18/25 17:05	1	HKR
1,2-Dichloroethane-d4 (Surr)	110		70 - 130	04/18/25 17:05	1	HKR
4-Bromofluorobenzene (Surr)	102		70 - 130	04/18/25 17:05	1	HKR
Toluene-d8 (Surr)	100		70 - 130	04/18/25 17:05	1	HKR

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	0.26		0.050	mg/L		04/18/25 15:07	1	DS
Manganese	0.050		0.0050	mg/L		04/18/25 15:07	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	0.51		0.50	mg/L		04/16/25 14:58	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/18/25 17:59	1	EWG
Chemical Oxygen Demand (8000)	<11		11	mg/L		04/21/25 14:43	1	SEC
Chloride (SM 4500 Cl- E)	2.2		1.0	mg/L		04/16/25 15:05	1	ALS

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Surface Water

Job ID: 475-2764-1
SDG: 2637.012

Client Sample ID: SF-1_20250415

Lab Sample ID: 475-2764-2

Date Collected: 04/15/25 13:55

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/22/25 19:03	1	SLH
Surrogate	%Recovery	Qualifier	Limits			Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	101		70 - 130			04/22/25 19:03	1	SLH
4-Bromofluorobenzene (Surr)	103		70 - 130			04/22/25 19:03	1	SLH

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
1,1-Dichloroethane	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
1,1-Dichloroethene	<0.50		0.50	ug/L		04/18/25 17:29	1	HKR
1,1-Dichloropropene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/18/25 17:29	1	HKR
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/18/25 17:29	1	HKR
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/18/25 17:29	1	HKR
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/18/25 17:29	1	HKR
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
1,2-Dichloroethane	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
1,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
1,3-Dichloropropane	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
1,4-Dioxane	<50		50	ug/L		04/18/25 17:29	1	HKR
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
2,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
2-Butanone (MEK)	<10		10	ug/L		04/18/25 17:29	1	HKR
2-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
2-Hexanone	<10		10	ug/L		04/18/25 17:29	1	HKR
4-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/18/25 17:29	1	HKR
Acetone	<10		10	ug/L		04/18/25 17:29	1	HKR
Benzene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
Bromobenzene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
Bromochloromethane	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
Bromodichloromethane	<0.50		0.50	ug/L		04/18/25 17:29	1	HKR
Bromoform	<2.0		2.0	ug/L		04/18/25 17:29	1	HKR
Bromomethane	<2.0		2.0	ug/L		04/18/25 17:29	1	HKR
Carbon disulfide	<2.0		2.0	ug/L		04/18/25 17:29	1	HKR
Carbon tetrachloride	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
Chlorobenzene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
Chloroethane	<2.0		2.0	ug/L		04/18/25 17:29	1	HKR
Chloroform	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
Chloromethane	<2.0		2.0	ug/L		04/18/25 17:29	1	HKR
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Surface Water

Job ID: 475-2764-1
SDG: 2637.012

Client Sample ID: SF-1_20250415

Lab Sample ID: 475-2764-2

Date Collected: 04/15/25 13:55

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 17:29	1	HKR
Dibromochloromethane	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
Dibromomethane	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/18/25 17:29	1	HKR
Diethyl ether	<2.0		2.0	ug/L		04/18/25 17:29	1	HKR
Ethylbenzene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/18/25 17:29	1	HKR
Hexachlorobutadiene	<0.50		0.50	ug/L		04/18/25 17:29	1	HKR
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/18/25 17:29	1	HKR
Isopropylbenzene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
m,p-Xylene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
Methylene Chloride	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
Naphthalene	<2.0		2.0	ug/L		04/18/25 17:29	1	HKR
n-Butylbenzene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
N-Propylbenzene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
o-Xylene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
p-Isopropyltoluene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
sec-Butylbenzene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
Styrene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/18/25 17:29	1	HKR
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/18/25 17:29	1	HKR
tert-Butylbenzene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
Tetrachloroethene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
Tetrahydrofuran (THF)	<10		10	ug/L		04/18/25 17:29	1	HKR
Toluene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 17:29	1	HKR
Trichloroethene	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR
Trichlorofluoromethane	<2.0		2.0	ug/L		04/18/25 17:29	1	HKR
Vinyl chloride	<1.0		1.0	ug/L		04/18/25 17:29	1	HKR

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	102		70 - 130	04/18/25 17:29	1	HKR
1,2-Dichloroethane-d4 (Surr)	107		70 - 130	04/18/25 17:29	1	HKR
4-Bromofluorobenzene (Surr)	101		70 - 130	04/18/25 17:29	1	HKR
Toluene-d8 (Surr)	100		70 - 130	04/18/25 17:29	1	HKR

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Iron	1.8		0.050	mg/L		04/18/25 15:11	1	DS
Manganese	0.17		0.0050	mg/L		04/18/25 15:11	1	DS

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrate as N (353.2)	<0.50		0.50	mg/L		04/16/25 14:59	1	SRG
Nitrogen, Kjeldahl (4500 NH3 D)	<0.50		0.50	mg/L		04/23/25 15:21	1	GRS
Chemical Oxygen Demand (8000)	<10		10	mg/L		04/21/25 14:43	1	SEC
Chloride (SM 4500 Cl- E)	4.8		1.0	mg/L		04/16/25 14:59	1	ALS

Eurofins Concord

Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Surface Water

Job ID: 475-2764-1
SDG: 2637.012

Client Sample ID: TB-SW-01_20250415

Lab Sample ID: 475-2764-3

Date Collected: 04/15/25 14:30

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,1,1-Trichloroethane	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
1,1,2-Trichloroethane	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
1,1-Dichloroethane	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
1,1-Dichloroethene	<0.50		0.50	ug/L		04/18/25 15:03	1	HKR
1,1-Dichloropropene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		04/18/25 15:03	1	HKR
1,2,3-Trichloropropane	<0.50		0.50	ug/L		04/18/25 15:03	1	HKR
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L		04/18/25 15:03	1	HKR
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		04/18/25 15:03	1	HKR
1,2-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
1,2-Dichloroethane	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
1,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
1,3-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
1,3-Dichloropropane	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
1,4-Dichlorobenzene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
1,4-Dioxane	<50		50	ug/L		04/18/25 15:03	1	HKR
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
2,2-Dichloropropane	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
2-Butanone (MEK)	<10		10	ug/L		04/18/25 15:03	1	HKR
2-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
2-Hexanone	<10		10	ug/L		04/18/25 15:03	1	HKR
4-Chlorotoluene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L		04/18/25 15:03	1	HKR
Acetone	<10		10	ug/L		04/18/25 15:03	1	HKR
Benzene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
Bromobenzene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
Bromochloromethane	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
Bromodichloromethane	<0.50		0.50	ug/L		04/18/25 15:03	1	HKR
Bromoform	<2.0		2.0	ug/L		04/18/25 15:03	1	HKR
Bromomethane	<2.0		2.0	ug/L		04/18/25 15:03	1	HKR
Carbon disulfide	<2.0		2.0	ug/L		04/18/25 15:03	1	HKR
Carbon tetrachloride	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
Chlorobenzene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
Chloroethane	<2.0		2.0	ug/L		04/18/25 15:03	1	HKR
Chloroform	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
Chloromethane	<2.0		2.0	ug/L		04/18/25 15:03	1	HKR
cis-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 15:03	1	HKR
Dibromochloromethane	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
Dibromomethane	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
Dichlorodifluoromethane	<2.0		2.0	ug/L		04/18/25 15:03	1	HKR
Diethyl ether	<2.0		2.0	ug/L		04/18/25 15:03	1	HKR
Ethylbenzene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L		04/18/25 15:03	1	HKR

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Client Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Surface Water

Job ID: 475-2764-1
SDG: 2637.012

Client Sample ID: TB-SW-01_20250415

Lab Sample ID: 475-2764-3

Date Collected: 04/15/25 14:30

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
Hexachlorobutadiene	<0.50		0.50	ug/L		04/18/25 15:03	1	HKR
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L		04/18/25 15:03	1	HKR
Isopropylbenzene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
m,p-Xylene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
Methylene Chloride	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
Naphthalene	<2.0		2.0	ug/L		04/18/25 15:03	1	HKR
n-Butylbenzene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
N-Propylbenzene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
o-Xylene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
p-Isopropyltoluene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
sec-Butylbenzene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
Styrene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L		04/18/25 15:03	1	HKR
tert-Butyl alcohol (TBA)	<30		30	ug/L		04/18/25 15:03	1	HKR
tert-Butylbenzene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
Tetrachloroethene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
Tetrahydrofuran (THF)	<10		10	ug/L		04/18/25 15:03	1	HKR
Toluene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
trans-1,2-Dichloroethene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		04/18/25 15:03	1	HKR
Trichloroethene	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR
Trichlorofluoromethane	<2.0		2.0	ug/L		04/18/25 15:03	1	HKR
Vinyl chloride	<1.0		1.0	ug/L		04/18/25 15:03	1	HKR

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4 (Surr)	103		70 - 130	04/18/25 15:03	1	HKR
1,2-Dichloroethane-d4 (Surr)	105		70 - 130	04/18/25 15:03	1	HKR
4-Bromofluorobenzene (Surr)	100		70 - 130	04/18/25 15:03	1	HKR
Toluene-d8 (Surr)	101		70 - 130	04/18/25 15:03	1	HKR

Client Sample ID: TB-LL-SW-01_20250415

Lab Sample ID: 475-2764-4

Date Collected: 04/15/25 14:30

Matrix: Water

Date Received: 04/15/25 17:05

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Analyzed	Dil Fac	Analyst
1,4-Dioxane	<0.25		0.25	ug/L		04/22/25 14:12	1	SLH

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
Toluene-d8 (Surr)	101		70 - 130	04/22/25 14:12	1	SLH
4-Bromofluorobenzene (Surr)	102		70 - 130	04/22/25 14:12	1	SLH

QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Surface Water

Job ID: 475-2764-1
SDG: 2637.012

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 475-3817/4

Matrix: Water

Analysis Batch: 3817

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.25		0.25	ug/L			04/22/25 11:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130				04/22/25 11:26	1
4-Bromofluorobenzene (Surr)	103		70 - 130				04/22/25 11:26	1

Lab Sample ID: LCS 475-3817/2

Matrix: Water

Analysis Batch: 3817

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	5.00	5.58		ug/L		112	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	100		70 - 130				
4-Bromofluorobenzene (Surr)	101		70 - 130				

Lab Sample ID: LCSD 475-3817/3

Matrix: Water

Analysis Batch: 3817

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	5.00	5.48		ug/L		110	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	100		70 - 130						
4-Bromofluorobenzene (Surr)	102		70 - 130						

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 475-3759/5

Matrix: Water

Analysis Batch: 3759

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0	ug/L			04/18/25 13:18	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	ug/L			04/18/25 13:18	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			04/18/25 13:18	1
1,1-Dichloroethane	<1.0		1.0	ug/L			04/18/25 13:18	1
1,1-Dichloroethene	<0.50		0.50	ug/L			04/18/25 13:18	1
1,1-Dichloropropene	<1.0		1.0	ug/L			04/18/25 13:18	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			04/18/25 13:18	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			04/18/25 13:18	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0	ug/L			04/18/25 13:18	1
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L			04/18/25 13:18	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			04/18/25 13:18	1

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Surface Water

Job ID: 475-2764-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 475-3759/5

Matrix: Water

Analysis Batch: 3759

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<1.0		1.0	ug/L			04/18/25 13:18	1
1,2-Dichloropropane	<1.0		1.0	ug/L			04/18/25 13:18	1
1,3,5-Trichlorobenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
1,3-Dichloropropane	<1.0		1.0	ug/L			04/18/25 13:18	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
1,4-Dioxane	<50		50	ug/L			04/18/25 13:18	1
1,1,1,2-Tetrachloroethane (Surr)	<1.0		1.0	ug/L			04/18/25 13:18	1
2,2-Dichloropropane	<1.0		1.0	ug/L			04/18/25 13:18	1
2-Butanone (MEK)	<10		10	ug/L			04/18/25 13:18	1
2-Chlorotoluene	<1.0		1.0	ug/L			04/18/25 13:18	1
2-Hexanone	<10		10	ug/L			04/18/25 13:18	1
4-Chlorotoluene	<1.0		1.0	ug/L			04/18/25 13:18	1
4-Methyl-2-pentanone (MIBK)	<10		10	ug/L			04/18/25 13:18	1
Acetone	<10		10	ug/L			04/18/25 13:18	1
Benzene	<1.0		1.0	ug/L			04/18/25 13:18	1
Bromobenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
Bromochloromethane	<1.0		1.0	ug/L			04/18/25 13:18	1
Bromodichloromethane	<0.50		0.50	ug/L			04/18/25 13:18	1
Bromoform	<2.0		2.0	ug/L			04/18/25 13:18	1
Bromomethane	<2.0		2.0	ug/L			04/18/25 13:18	1
Carbon disulfide	<2.0		2.0	ug/L			04/18/25 13:18	1
Carbon tetrachloride	<1.0		1.0	ug/L			04/18/25 13:18	1
Chlorobenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
Chloroethane	<2.0		2.0	ug/L			04/18/25 13:18	1
Chloroform	<1.0		1.0	ug/L			04/18/25 13:18	1
Chloromethane	<2.0		2.0	ug/L			04/18/25 13:18	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			04/18/25 13:18	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			04/18/25 13:18	1
Dibromochloromethane	<1.0		1.0	ug/L			04/18/25 13:18	1
Dibromomethane	<1.0		1.0	ug/L			04/18/25 13:18	1
Dichlorodifluoromethane	<2.0		2.0	ug/L			04/18/25 13:18	1
Diethyl ether	<2.0		2.0	ug/L			04/18/25 13:18	1
Ethylbenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L			04/18/25 13:18	1
Hexachlorobutadiene	<0.50		0.50	ug/L			04/18/25 13:18	1
Isopropyl Ether (DIPE)	<2.0		2.0	ug/L			04/18/25 13:18	1
Isopropylbenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
m,p-Xylene	<1.0		1.0	ug/L			04/18/25 13:18	1
Methylene Chloride	<1.0		1.0	ug/L			04/18/25 13:18	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			04/18/25 13:18	1
Naphthalene	<2.0		2.0	ug/L			04/18/25 13:18	1
n-Butylbenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
N-Propylbenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
o-Xylene	<1.0		1.0	ug/L			04/18/25 13:18	1
p-Isopropyltoluene	<1.0		1.0	ug/L			04/18/25 13:18	1
sec-Butylbenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
Styrene	<1.0		1.0	ug/L			04/18/25 13:18	1

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Surface Water

Job ID: 475-2764-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 475-3759/5

Matrix: Water

Analysis Batch: 3759

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Amyl Methyl Ether (TAME)	<2.0		2.0	ug/L			04/18/25 13:18	1
tert-Butyl alcohol (TBA)	<30		30	ug/L			04/18/25 13:18	1
tert-Butylbenzene	<1.0		1.0	ug/L			04/18/25 13:18	1
Tetrachloroethene	<1.0		1.0	ug/L			04/18/25 13:18	1
Tetrahydrofuran (THF)	<10		10	ug/L			04/18/25 13:18	1
Toluene	<1.0		1.0	ug/L			04/18/25 13:18	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			04/18/25 13:18	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			04/18/25 13:18	1
Trichloroethene	<1.0		1.0	ug/L			04/18/25 13:18	1
Trichlorofluoromethane	<2.0		2.0	ug/L			04/18/25 13:18	1
Vinyl chloride	<1.0		1.0	ug/L			04/18/25 13:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	101		70 - 130		04/18/25 13:18	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		04/18/25 13:18	1
4-Bromofluorobenzene (Surr)	101		70 - 130		04/18/25 13:18	1
Toluene-d8 (Surr)	101		70 - 130		04/18/25 13:18	1

Lab Sample ID: LCS 475-3759/2

Matrix: Water

Analysis Batch: 3759

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	22.0		ug/L		110	70 - 130
1,1,2,2-Tetrachloroethane	20.0	21.7		ug/L		108	70 - 130
1,1,2-Trichloroethane	20.0	22.2		ug/L		111	70 - 130
1,1-Dichloroethane	20.0	22.5		ug/L		113	70 - 130
1,1-Dichloroethene	20.0	22.7		ug/L		113	70 - 130
1,1-Dichloropropene	20.0	23.0		ug/L		115	70 - 130
1,2,3-Trichlorobenzene	20.0	22.6		ug/L		113	70 - 130
1,2,3-Trichloropropane	20.0	21.2		ug/L		106	70 - 130
1,2,4-Trichlorobenzene	20.0	21.9		ug/L		109	70 - 130
1,2,4-Trimethylbenzene	20.0	20.7		ug/L		104	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	21.1		ug/L		105	70 - 130
1,2-Dibromoethane (EDB)	20.0	21.9		ug/L		110	70 - 130
1,2-Dichlorobenzene	20.0	21.4		ug/L		107	70 - 130
1,2-Dichloroethane	20.0	21.6		ug/L		108	70 - 130
1,2-Dichloropropane	20.0	22.2		ug/L		111	70 - 130
1,3,5-Trichlorobenzene	20.0	22.6		ug/L		113	70 - 130
1,3,5-Trimethylbenzene	20.0	20.4		ug/L		102	70 - 130
1,3-Dichlorobenzene	20.0	21.4		ug/L		107	70 - 130
1,3-Dichloropropane	20.0	22.2		ug/L		111	70 - 130
1,4-Dichlorobenzene	20.0	21.2		ug/L		106	70 - 130
1,4-Dioxane	20.0	25.2	J	ug/L		126	40 - 160
1,1,1,2-Tetrachloroethane (Surr)	20.0	20.9		ug/L		105	70 - 130
2,2-Dichloropropane	20.0	23.4		ug/L		117	70 - 130
2-Butanone (MEK)	20.0	22.7		ug/L		113	40 - 160
2-Chlorotoluene	20.0	20.8		ug/L		104	70 - 130

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Surface Water

Job ID: 475-2764-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 475-3759/2

Matrix: Water

Analysis Batch: 3759

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	20.0	24.3		ug/L		121	40 - 160
4-Chlorotoluene	20.0	21.3		ug/L		107	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	22.2		ug/L		111	40 - 160
Acetone	20.0	20.0		ug/L		100	40 - 160
Benzene	20.0	22.1		ug/L		111	70 - 130
Bromobenzene	20.0	20.9		ug/L		104	70 - 130
Bromochloromethane	20.0	21.3		ug/L		106	70 - 130
Bromodichloromethane	20.0	20.1		ug/L		100	70 - 130
Bromoform	20.0	20.0		ug/L		100	70 - 130
Bromomethane	20.0	14.4		ug/L		72	40 - 160
Carbon disulfide	20.0	19.2		ug/L		96	70 - 130
Carbon tetrachloride	20.0	22.4		ug/L		112	70 - 130
Chlorobenzene	20.0	21.5		ug/L		107	70 - 130
Chloroethane	20.0	19.0		ug/L		95	70 - 130
Chloroform	20.0	20.4		ug/L		102	70 - 130
Chloromethane	20.0	17.6		ug/L		88	40 - 160
cis-1,2-Dichloroethene	20.0	21.8		ug/L		109	70 - 130
cis-1,3-Dichloropropene	20.0	20.7		ug/L		103	70 - 130
Dibromochloromethane	20.0	20.0		ug/L		100	70 - 130
Dibromomethane	20.0	21.4		ug/L		107	70 - 130
Dichlorodifluoromethane	20.0	23.4		ug/L		117	40 - 160
Diethyl ether	20.0	22.5		ug/L		113	70 - 130
Ethylbenzene	20.0	21.7		ug/L		109	70 - 130
Ethyl-t-butyl ether (ETBE)	20.0	22.2		ug/L		111	70 - 130
Hexachlorobutadiene	20.0	21.4		ug/L		107	70 - 130
Isopropyl Ether (DIPE)	20.0	21.8		ug/L		109	70 - 130
Isopropylbenzene	20.0	19.1		ug/L		96	70 - 130
m,p-Xylene	40.0	43.0		ug/L		107	70 - 130
Methylene Chloride	20.0	20.8		ug/L		104	70 - 130
Methyl-t-Butyl Ether (MTBE)	20.0	21.1		ug/L		106	70 - 130
Naphthalene	20.0	21.9		ug/L		110	70 - 130
n-Butylbenzene	20.0	21.7		ug/L		108	70 - 130
N-Propylbenzene	20.0	21.1		ug/L		105	70 - 130
o-Xylene	20.0	21.4		ug/L		107	70 - 130
p-Isopropyltoluene	20.0	21.6		ug/L		108	70 - 130
sec-Butylbenzene	20.0	21.9		ug/L		109	70 - 130
Styrene	20.0	21.8		ug/L		109	70 - 130
tert-Amyl Methyl Ether (TAME)	20.0	21.6		ug/L		108	70 - 130
tert-Butyl alcohol (TBA)	100	116		ug/L		116	70 - 130
tert-Butylbenzene	20.0	20.4		ug/L		102	70 - 130
Tetrachloroethene	20.0	22.1		ug/L		111	70 - 130
Tetrahydrofuran (THF)	20.0	22.2		ug/L		111	70 - 130
Toluene	20.0	22.2		ug/L		111	70 - 130
trans-1,2-Dichloroethene	20.0	21.6		ug/L		108	70 - 130
trans-1,3-Dichloropropene	20.0	22.3		ug/L		112	70 - 130
Trichloroethene	20.0	21.9		ug/L		110	70 - 130
Trichlorofluoromethane	20.0	22.0		ug/L		110	70 - 130
Vinyl chloride	20.0	19.7		ug/L		98	70 - 130

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Surface Water

Job ID: 475-2764-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 475-3759/2

Matrix: Water

Analysis Batch: 3759

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	104		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: LCSD 475-3759/3

Matrix: Water

Analysis Batch: 3759

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	22.0		ug/L		110	70 - 130	0	20
1,1,2,2-Tetrachloroethane	20.0	21.3		ug/L		106	70 - 130	2	20
1,1,2-Trichloroethane	20.0	22.1		ug/L		111	70 - 130	0	20
1,1-Dichloroethane	20.0	22.6		ug/L		113	70 - 130	0	20
1,1-Dichloroethene	20.0	22.6		ug/L		113	70 - 130	0	20
1,1-Dichloropropene	20.0	22.9		ug/L		115	70 - 130	1	20
1,2,3-Trichlorobenzene	20.0	21.8		ug/L		109	70 - 130	4	20
1,2,3-Trichloropropane	20.0	20.6		ug/L		103	70 - 130	3	20
1,2,4-Trichlorobenzene	20.0	21.4		ug/L		107	70 - 130	2	20
1,2,4-Trimethylbenzene	20.0	20.4		ug/L		102	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	20.0	20.5		ug/L		102	70 - 130	3	20
1,2-Dibromoethane (EDB)	20.0	21.8		ug/L		109	70 - 130	0	20
1,2-Dichlorobenzene	20.0	21.5		ug/L		107	70 - 130	0	20
1,2-Dichloroethane	20.0	21.9		ug/L		109	70 - 130	1	20
1,2-Dichloropropane	20.0	22.4		ug/L		112	70 - 130	1	20
1,3,5-Trichlorobenzene	20.0	22.0		ug/L		110	70 - 130	3	20
1,3,5-Trimethylbenzene	20.0	20.0		ug/L		100	70 - 130	2	20
1,3-Dichlorobenzene	20.0	21.2		ug/L		106	70 - 130	1	20
1,3-Dichloropropane	20.0	22.1		ug/L		110	70 - 130	1	20
1,4-Dichlorobenzene	20.0	20.9		ug/L		104	70 - 130	2	20
1,4-Dioxane	20.0	24.6 J		ug/L		123	40 - 160	2	20
1,1,1,2-Tetrachloroethane (Surr)	20.0	20.9		ug/L		104	70 - 130	0	20
2,2-Dichloropropane	20.0	22.6		ug/L		113	70 - 130	3	20
2-Butanone (MEK)	20.0	22.2		ug/L		111	40 - 160	2	20
2-Chlorotoluene	20.0	20.6		ug/L		103	70 - 130	1	20
2-Hexanone	20.0	23.0		ug/L		115	40 - 160	5	20
4-Chlorotoluene	20.0	20.9		ug/L		104	70 - 130	2	20
4-Methyl-2-pentanone (MIBK)	20.0	21.5		ug/L		108	40 - 160	3	20
Acetone	20.0	19.8		ug/L		99	40 - 160	1	20
Benzene	20.0	22.1		ug/L		111	70 - 130	0	20
Bromobenzene	20.0	20.5		ug/L		103	70 - 130	2	20
Bromochloromethane	20.0	21.5		ug/L		108	70 - 130	1	20
Bromodichloromethane	20.0	20.3		ug/L		102	70 - 130	1	20
Bromoform	20.0	20.2		ug/L		101	70 - 130	1	20
Bromomethane	20.0	15.2		ug/L		76	40 - 160	6	20
Carbon disulfide	20.0	19.2		ug/L		96	70 - 130	0	20
Carbon tetrachloride	20.0	22.4		ug/L		112	70 - 130	0	20
Chlorobenzene	20.0	21.5		ug/L		108	70 - 130	0	20

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Surface Water

Job ID: 475-2764-1
SDG: 2637.012

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 475-3759/3

Matrix: Water

Analysis Batch: 3759

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroethane	20.0	18.9		ug/L		95	70 - 130	0	20
Chloroform	20.0	20.5		ug/L		103	70 - 130	1	20
Chloromethane	20.0	17.7		ug/L		88	40 - 160	1	20
cis-1,2-Dichloroethene	20.0	21.9		ug/L		110	70 - 130	1	20
cis-1,3-Dichloropropene	20.0	20.9		ug/L		105	70 - 130	1	20
Dibromochloromethane	20.0	20.2		ug/L		101	70 - 130	1	20
Dibromomethane	20.0	21.5		ug/L		108	70 - 130	1	20
Dichlorodifluoromethane	20.0	23.6		ug/L		118	40 - 160	1	20
Diethyl ether	20.0	22.8		ug/L		114	70 - 130	1	20
Ethylbenzene	20.0	21.5		ug/L		108	70 - 130	1	20
Ethyl-t-butyl ether (ETBE)	20.0	22.3		ug/L		111	70 - 130	1	20
Hexachlorobutadiene	20.0	20.6		ug/L		103	70 - 130	4	20
Isopropyl Ether (DIPE)	20.0	22.0		ug/L		110	70 - 130	1	20
Isopropylbenzene	20.0	19.0		ug/L		95	70 - 130	1	20
m,p-Xylene	40.0	42.7		ug/L		107	70 - 130	1	20
Methylene Chloride	20.0	21.1		ug/L		105	70 - 130	1	20
Methyl-t-Butyl Ether (MTBE)	20.0	21.3		ug/L		106	70 - 130	1	20
Naphthalene	20.0	20.9		ug/L		104	70 - 130	5	20
n-Butylbenzene	20.0	21.2		ug/L		106	70 - 130	2	20
N-Propylbenzene	20.0	20.5		ug/L		103	70 - 130	3	20
o-Xylene	20.0	21.1		ug/L		106	70 - 130	1	20
p-Isopropyltoluene	20.0	21.3		ug/L		107	70 - 130	1	20
sec-Butylbenzene	20.0	21.5		ug/L		107	70 - 130	2	20
Styrene	20.0	21.6		ug/L		108	70 - 130	1	20
tert-Amyl Methyl Ether (TAME)	20.0	21.7		ug/L		109	70 - 130	1	20
tert-Butyl alcohol (TBA)	100	116		ug/L		116	70 - 130	0	20
tert-Butylbenzene	20.0	20.2		ug/L		101	70 - 130	1	20
Tetrachloroethene	20.0	21.8		ug/L		109	70 - 130	2	20
Tetrahydrofuran (THF)	20.0	22.0		ug/L		110	70 - 130	1	20
Toluene	20.0	22.0		ug/L		110	70 - 130	1	20
trans-1,2-Dichloroethene	20.0	21.7		ug/L		109	70 - 130	1	20
trans-1,3-Dichloropropene	20.0	22.2		ug/L		111	70 - 130	0	20
Trichloroethene	20.0	22.0		ug/L		110	70 - 130	0	20
Trichlorofluoromethane	20.0	22.6		ug/L		113	70 - 130	3	20
Vinyl chloride	20.0	19.7		ug/L		99	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	105		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130
Toluene-d8 (Surr)	101		70 - 130

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QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Surface Water

Job ID: 475-2764-1
SDG: 2637.012

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 475-3333/1-A
Matrix: Water
Analysis Batch: 3572

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3333

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.050		0.050	mg/L		04/17/25 07:25	04/18/25 14:37	1
Iron	<0.050		0.050	mg/L		04/17/25 07:25	04/18/25 14:37	1
Manganese	<0.0050		0.0050	mg/L		04/17/25 07:25	04/18/25 14:37	1
Manganese	<0.0050		0.0050	mg/L		04/17/25 07:25	04/18/25 14:37	1

Lab Sample ID: LCS 475-3333/2-A
Matrix: Water
Analysis Batch: 3572

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3333

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10.0	9.85		mg/L		99	85 - 115
Iron	10.0	10.1		mg/L		101	85 - 115
Manganese	0.400	0.400		mg/L		100	85 - 115
Manganese	0.400	0.399		mg/L		100	85 - 115

Method: 4500 NH3 D - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 475-3443/1-A
Matrix: Water
Analysis Batch: 3580

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3443

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<0.50		0.50	mg/L		04/18/25 08:33	04/18/25 16:42	1

Lab Sample ID: LCS 475-3443/2-A
Matrix: Water
Analysis Batch: 3580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3443

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	10.0	10.5		mg/L		105	90 - 110

Lab Sample ID: LCSD 475-3443/3-A
Matrix: Water
Analysis Batch: 3580

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3443

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	10.0	10.4		mg/L		104	90 - 110	1	20

Lab Sample ID: MB 475-3778/1-A
Matrix: Water
Analysis Batch: 3900

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3778

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<0.50		0.50	mg/L		04/23/25 08:00	04/23/25 14:16	1

QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Surface Water

Job ID: 475-2764-1
SDG: 2637.012

Method: 4500 NH3 D - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LCS 475-3778/4-A
Matrix: Water
Analysis Batch: 3900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	10.0	10.1		mg/L		101	90 - 110

Lab Sample ID: LCSD 475-3778/5-A
Matrix: Water
Analysis Batch: 3900

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3778

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	10.0	9.69		mg/L		97	90 - 110	4	20

Method: 8000 - COD

Lab Sample ID: MB 475-3618/1
Matrix: Water
Analysis Batch: 3618

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<10		10	mg/L			04/21/25 14:43	1

Lab Sample ID: LCS 475-3618/2
Matrix: Water
Analysis Batch: 3618

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	100	99.5		mg/L		100	85 - 115

Lab Sample ID: LCSD 475-3618/25
Matrix: Water
Analysis Batch: 3618

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	100	98.3		mg/L		98	85 - 115	1	20

Lab Sample ID: 475-2764-1 MS
Matrix: Water
Analysis Batch: 3618

Client Sample ID: S-1_20250415
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	<11		52.6	57.6		mg/L		96	80 - 120

Lab Sample ID: 475-2764-1 MSD
Matrix: Water
Analysis Batch: 3618

Client Sample ID: S-1_20250415
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	<11		52.6	56.3		mg/L		93	80 - 120	2	20

QC Sample Results

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Surface Water

Job ID: 475-2764-1
SDG: 2637.012

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 475-3326/5
Matrix: Water
Analysis Batch: 3326

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0	mg/L			04/16/25 14:24	1

Lab Sample ID: LCS 475-3326/2
Matrix: Water
Analysis Batch: 3326

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.0	26.7		mg/L		107	90 - 110

Lab Sample ID: LCS 475-3326/20
Matrix: Water
Analysis Batch: 3326

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.0	26.2		mg/L		105	90 - 110

Accreditation/Certification and Definitions Summary

Client: Sanborn Head & Associates Inc
Project/Site: NCES | Surface Water

Job ID: 475-2764-1
SDG: 2637.012

Laboratory: Eurofins Concord

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Hampshire	NELAP	1012	01-20-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,3,5-Trichlorobenzene

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
MRL	Method Reporting Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
SDL	Sample Detection Limit
SDL	Sample Detection Limit
SDL	Sample Detection Limit
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count



ANALYTICAL REPORT

Lab Number:	L2523600
Client:	Sanborn, Head & Associates, Inc. 6 Bedford Farms Drive Suite 201 Bedford, NH 03110
ATTN:	Timothy White
Phone:	(603) 415-6139
Project Name:	NCES SSI PFAS
Project Number:	2637.012
Report Date:	05/14/25

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: NCES SSI PFAS
Project Number: 2637.012

Lab Number: L2523600
Report Date: 05/14/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2523600-01	B-932U_20250414	WATER	BETHLEHEM, NH	04/14/25 12:10	04/16/25
L2523600-02	B-932L_20250414	WATER	BETHLEHEM, NH	04/14/25 12:08	04/16/25
L2523600-03	B-933U_20250414	WATER	BETHLEHEM, NH	04/14/25 13:40	04/16/25
L2523600-04	B-933L_20250414	WATER	BETHLEHEM, NH	04/14/25 13:50	04/16/25
L2523600-05	B-934U_20250414	WATER	BETHLEHEM, NH	04/14/25 15:50	04/16/25
L2523600-06	B-934L_20250414	WATER	BETHLEHEM, NH	04/14/25 16:01	04/16/25
L2523600-07	MW-802L_20250414	WATER	BETHLEHEM, NH	04/14/25 15:22	04/16/25

Project Name: NCES SSI PFAS
Project Number: 2637.012

Lab Number: L2523600
Report Date: 05/14/25

Case Narrative

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

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

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

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

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

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

Project Name: NCES SSI PFAS
Project Number: 2637.012

Lab Number: L2523600
Report Date: 05/14/25

Case Narrative (continued)

Perfluorinated Alkyl Acids by Isotope Dilution

L2523600-01, -02, -03, -04, -05, -06 and -07: Sample results for Perfluorohexanesulfonic Acid (PFHxS), Perfluorooctanoic Acid (PFOA), Perfluorooctanesulfonic Acid (PFOS), N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA), and N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) are reported as the sum of the branched and linear isomers.

L2523600-01, -03, -03RE, -04RE, -05, -05RE, -06RE, and -07RE: The sample was centrifuged and decanted prior to extraction due to sample matrix.

L2523600-02, -03, and -04: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

L2523600-03RE, -04RE, -05RE, -06RE, and -07RE: The sample was re-extracted within holding time due to QC failures in the original extraction. The results of the re-extraction are reported for 6:2FtS.

L2523600-01, -02, -03, -04, -05, -06, and -07: The MeOH fraction of the extraction is reported for the following compounds: Perfluorooctanesulfonamide (FOSA) and N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) due to better extraction efficiency of the surrogates (Extracted Internal Standards).

L2523600-01, -02, -03, -04, -05, -05RE, -06, WG2063784-1, WG2063784-2, and WG2065614-1: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

The WG2063784-1 Method Blank, associated with L2523600-02, has a concentration above the reporting limit for 6:2FtS. Since the associated sample concentrations are non-detect to the reporting limit, no corrective action is required.

The WG2063784-1 Method Blank, associated with L2523600-03, -04, -05, -06, -07 has concentrations above the reporting limits for 6:2FtS. This compound is not reported in the associated sample.

The WG2063784-2 LCS recovery associated with and is above the acceptance criteria for and perfluorononanesulfonic acid (pnfs) (158%); however, the associated samples are non-detect to the reporting limit for this target analyte. The results of the original analysis are reported.

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

Authorized Signature: *Kim L. Bailey* Kim L. Bailey

Title: Technical Director/Representative

Date: 05/14/25

ORGANICS

SEMIVOLATILES

Project Name: NCES SSI PFAS**Lab Number:** L2523600**Project Number:** 2637.012**Report Date:** 05/14/25**SAMPLE RESULTS**

Lab ID: L2523600-01
 Client ID: B-932U_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 12:10
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 05/13/25 10:37
 Analyst: PS

Extraction Method: ALPHA 23528
 Extraction Date: 05/12/25 17:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	3.46		ng/l	1.75	--	1
Perfluoropentanoic Acid (PFPeA)	2.85		ng/l	1.75	--	1
Perfluorobutanesulfonic Acid (PFBS)	2.75		ng/l	1.75	--	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	1.75	--	1
Perfluorohexanoic Acid (PFHxA)	4.88		ng/l	1.75	--	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.75	--	1
Perfluoroheptanoic Acid (PFHpA)	3.62		ng/l	1.75	--	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.75	--	1
Perfluorooctanoic Acid (PFOA)	6.16		ng/l	1.75	--	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.75	--	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.75	--	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.75	--	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.75	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.75	--	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.75	--	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.75	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.75	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.75	--	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.75	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.75	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.75	--	1
Perfluorotridecanoic Acid (PFTTrDA)	ND		ng/l	1.75	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.75	--	1

Project Name: NCES SSI PFAS

Lab Number: L2523600

Project Number: 2637.012

Report Date: 05/14/25

SAMPLE RESULTS

Lab ID: L2523600-01
 Client ID: B-932U_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 12:10
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	100		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	152	Q	12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	114		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	93		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	69		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	45		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	52		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	72		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	97		22-136

Project Name: NCES SSI PFAS**Project Number:** 2637.012**Lab Number:** L2523600**Report Date:** 05/14/25**SAMPLE RESULTS**

Lab ID: L2523600-01
 Client ID: B-932U_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 12:10
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 05/13/25 19:24
 Analyst: SG

Extraction Method: ALPHA 23528
 Extraction Date: 05/12/25 17:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.75	--	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	17.5	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	57			5-112		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	60			10-161		

Project Name: NCES SSI PFAS**Lab Number:** L2523600**Project Number:** 2637.012**Report Date:** 05/14/25**SAMPLE RESULTS**

Lab ID: L2523600-02
 Client ID: B-932L_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 12:08
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 05/09/25 11:18
 Analyst: PS

Extraction Method: ALPHA 23528
 Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	3.64	--	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.64	--	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	3.64	--	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	3.64	--	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	3.64	--	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	3.64	--	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	3.64	--	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	3.64	--	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	3.64	--	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	3.64	--	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	3.64	--	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	3.64	--	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	3.64	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	3.64	--	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	3.64	--	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	3.64	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	3.64	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	3.64	--	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	3.64	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	3.64	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	3.64	--	1
Perfluorotridecanoic Acid (PFTTrDA)	ND		ng/l	3.64	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	3.64	--	1

Project Name: NCES SSI PFAS

Lab Number: L2523600

Project Number: 2637.012

Report Date: 05/14/25

SAMPLE RESULTS

Lab ID: L2523600-02
 Client ID: B-932L_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 12:08
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	77		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	107		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	74		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	152	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	58	Q	59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	66	Q	69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	58	Q	62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	86		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	74		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	65		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	48		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		22-136

Project Name: NCES SSI PFAS**Project Number:** 2637.012**Lab Number:** L2523600**Report Date:** 05/14/25**SAMPLE RESULTS**

Lab ID: L2523600-02
 Client ID: B-932L_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 12:08
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 05/09/25 22:09
 Analyst: SG

Extraction Method: ALPHA 23528
 Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	3.64	--	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	36.4	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	64			5-112		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	53			10-161		

Project Name: NCES SSI PFAS**Lab Number:** L2523600**Project Number:** 2637.012**Report Date:** 05/14/25**SAMPLE RESULTS**

Lab ID: L2523600-03
 Client ID: B-933U_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 13:40
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 05/09/25 11:34
 Analyst: PS

Extraction Method: ALPHA 23528
 Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.40	--	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.40	--	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.40	--	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	2.40	--	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.40	--	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	2.40	--	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.40	--	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.40	--	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.40	--	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.40	--	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.40	--	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.40	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.40	--	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.40	--	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	2.40	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.40	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.40	--	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.40	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.40	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.40	--	1
Perfluorotridecanoic Acid (PFTTrDA)	ND		ng/l	2.40	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.40	--	1

Project Name: NCES SSI PFAS

Lab Number: L2523600

Project Number: 2637.012

Report Date: 05/14/25

SAMPLE RESULTS

Lab ID: L2523600-03
 Client ID: B-933U_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 13:40
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	85		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	108		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	105		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	143		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	64		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	68	Q	69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	54	Q	62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	79		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	48		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	55		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	46		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	56		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	63		22-136

Project Name: NCES SSI PFAS**Project Number:** 2637.012**Lab Number:** L2523600**Report Date:** 05/14/25**SAMPLE RESULTS**

Lab ID: L2523600-03
 Client ID: B-933U_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 13:40
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 05/09/25 22:16
 Analyst: SG

Extraction Method: ALPHA 23528
 Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.40	--	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	24.0	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	57			5-112		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	48			10-161		

Project Name: NCES SSI PFAS**Project Number:** 2637.012**Lab Number:** L2523600**Report Date:** 05/14/25**SAMPLE RESULTS**

Lab ID: L2523600-03 RE

Client ID: B-933U_20250414

Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 13:40

Date Received: 04/16/25

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 134,LCMSMS-ID

Analytical Date: 05/13/25 11:11

Analyst: PS

Extraction Method: ALPHA 23528

Extraction Date: 05/12/25 17:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.75	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	73			14-147		

Project Name: NCES SSI PFAS**Lab Number:** L2523600**Project Number:** 2637.012**Report Date:** 05/14/25**SAMPLE RESULTS**

Lab ID: L2523600-04
 Client ID: B-933L_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 13:50
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 05/09/25 11:51
 Analyst: PS

Extraction Method: ALPHA 23528
 Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.87	--	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.87	--	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.87	--	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	2.87	--	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.87	--	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	2.87	--	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.87	--	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.87	--	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.87	--	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.87	--	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.87	--	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.87	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.87	--	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.87	--	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	2.87	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.87	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.87	--	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.87	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.87	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.87	--	1
Perfluorotridecanoic Acid (PFTTrDA)	ND		ng/l	2.87	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.87	--	1

Project Name: NCES SSI PFAS

Lab Number: L2523600

Project Number: 2637.012

Report Date: 05/14/25

SAMPLE RESULTS

Lab ID: L2523600-04
 Client ID: B-933L_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 13:50
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	100		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	97		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	131		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	62		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	56	Q	69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	60	Q	62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	88		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	69		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	61		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	61		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	73		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	76		22-136

Project Name: NCES SSI PFAS**Project Number:** 2637.012**Lab Number:** L2523600**Report Date:** 05/14/25**SAMPLE RESULTS**

Lab ID: L2523600-04
 Client ID: B-933L_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 13:50
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 05/09/25 22:23
 Analyst: SG

Extraction Method: ALPHA 23528
 Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.87	--	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	28.7	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	60			5-112		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	51			10-161		

Project Name: NCES SSI PFAS**Project Number:** 2637.012**Lab Number:** L2523600**Report Date:** 05/14/25**SAMPLE RESULTS**

Lab ID: L2523600-04 RE

Client ID: B-933L_20250414

Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 13:50

Date Received: 04/16/25

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 134,LCMSMS-ID

Analytical Date: 05/13/25 11:27

Analyst: PS

Extraction Method: ALPHA 23528

Extraction Date: 05/12/25 17:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.79	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74			14-147		

Project Name: NCES SSI PFAS**Lab Number:** L2523600**Project Number:** 2637.012**Report Date:** 05/14/25**SAMPLE RESULTS**

Lab ID: L2523600-05
 Client ID: B-934U_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 15:50
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 05/09/25 12:08
 Analyst: PS

Extraction Method: ALPHA 23528
 Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	31.8		ng/l	1.87	--	1
Perfluoropentanoic Acid (PFPeA)	49.6		ng/l	1.87	--	1
Perfluorobutanesulfonic Acid (PFBS)	29.1		ng/l	1.87	--	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	1.87	--	1
Perfluorohexanoic Acid (PFHxA)	61.5		ng/l	1.87	--	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.87	--	1
Perfluoroheptanoic Acid (PFHpA)	30.5		ng/l	1.87	--	1
Perfluorohexanesulfonic Acid (PFHxS)	2.62		ng/l	1.87	--	1
Perfluorooctanoic Acid (PFOA)	9.13		ng/l	1.87	--	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.87	--	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.87	--	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.87	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.87	--	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.87	--	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.87	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.87	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.87	--	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.87	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.87	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.87	--	1
Perfluorotridecanoic Acid (PFTTrDA)	ND		ng/l	1.87	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.87	--	1

Project Name: NCES SSI PFAS

Lab Number: L2523600

Project Number: 2637.012

Report Date: 05/14/25

SAMPLE RESULTS

Lab ID: L2523600-05
 Client ID: B-934U_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 15:50
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	79		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	82		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	256	Q	12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	73		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	234	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	53	Q	59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	72		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	63		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	119		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	79		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	83		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	95		22-136

Project Name: NCES SSI PFAS**Project Number:** 2637.012**Lab Number:** L2523600**Report Date:** 05/14/25**SAMPLE RESULTS**

Lab ID: L2523600-05
 Client ID: B-934U_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 15:50
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 05/09/25 22:30
 Analyst: SG

Extraction Method: ALPHA 23528
 Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.87	--	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	18.7	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	60			5-112		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	57			10-161		

Project Name: NCES SSI PFAS**Project Number:** 2637.012**Lab Number:** L2523600**Report Date:** 05/14/25**SAMPLE RESULTS**

Lab ID: L2523600-05 RE

Client ID: B-934U_20250414

Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 15:50

Date Received: 04/16/25

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 134,LCMSMS-ID

Analytical Date: 05/13/25 11:44

Analyst: PS

Extraction Method: ALPHA 23528

Extraction Date: 05/12/25 17:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.91	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	173		Q	14-147		

Project Name: NCES SSI PFAS**Lab Number:** L2523600**Project Number:** 2637.012**Report Date:** 05/14/25**SAMPLE RESULTS**

Lab ID: L2523600-06
 Client ID: B-934L_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 16:01
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 05/09/25 12:24
 Analyst: PS

Extraction Method: ALPHA 23528
 Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.93	--	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.93	--	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.93	--	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	1.93	--	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.93	--	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.93	--	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.93	--	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.93	--	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.93	--	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.93	--	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.93	--	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.93	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.93	--	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.93	--	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.93	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.93	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.93	--	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.93	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.93	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.93	--	1
Perfluorotridecanoic Acid (PFTTrDA)	ND		ng/l	1.93	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.93	--	1

Project Name: NCES SSI PFAS

Lab Number: L2523600

Project Number: 2637.012

Report Date: 05/14/25

SAMPLE RESULTS

Lab ID: L2523600-06
 Client ID: B-934L_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 16:01
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	76		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	85		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	91		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	92		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	67		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	108		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	50	Q	59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	52	Q	69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	54	Q	62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	90		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	62		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	60		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78		22-136

Project Name: NCES SSI PFAS**Project Number:** 2637.012**Lab Number:** L2523600**Report Date:** 05/14/25**SAMPLE RESULTS**

Lab ID: L2523600-06
 Client ID: B-934L_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 16:01
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 05/09/25 22:37
 Analyst: SG

Extraction Method: ALPHA 23528
 Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.93	--	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	19.3	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	63			5-112		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	64			10-161		

Project Name: NCES SSI PFAS**Project Number:** 2637.012**Lab Number:** L2523600**Report Date:** 05/14/25**SAMPLE RESULTS**

Lab ID: L2523600-06 RE

Client ID: B-934L_20250414

Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 16:01

Date Received: 04/16/25

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 134,LCMSMS-ID

Analytical Date: 05/13/25 12:00

Analyst: PS

Extraction Method: ALPHA 23528

Extraction Date: 05/12/25 17:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.91	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	71			14-147		

Project Name: NCES SSI PFAS**Lab Number:** L2523600**Project Number:** 2637.012**Report Date:** 05/14/25**SAMPLE RESULTS**

Lab ID: L2523600-07
 Client ID: MW-802L_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 15:22
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 05/09/25 12:41
 Analyst: PS

Extraction Method: ALPHA 23528
 Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.80	--	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.80	--	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.80	--	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	1.80	--	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.80	--	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.80	--	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.80	--	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.80	--	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.80	--	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.80	--	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.80	--	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.80	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.80	--	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.80	--	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.80	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.80	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.80	--	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.80	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.80	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.80	--	1
Perfluorotridecanoic Acid (PFTTrDA)	ND		ng/l	1.80	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.80	--	1

Project Name: NCES SSI PFAS

Lab Number: L2523600

Project Number: 2637.012

Report Date: 05/14/25

SAMPLE RESULTS

Lab ID: L2523600-07
 Client ID: MW-802L_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 15:22
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	112		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	110		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	98		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	139		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	70		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	82		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	75		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	121		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	110		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	111		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	122		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	107		22-136

Project Name: NCES SSI PFAS**Project Number:** 2637.012**Lab Number:** L2523600**Report Date:** 05/14/25**SAMPLE RESULTS**

Lab ID: L2523600-07
 Client ID: MW-802L_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 15:22
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 05/09/25 22:45
 Analyst: SG

Extraction Method: ALPHA 23528
 Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.80	--	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	18.0	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	73			5-112		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	59			10-161		

Project Name: NCES SSI PFAS**Project Number:** 2637.012**Lab Number:** L2523600**Report Date:** 05/14/25**SAMPLE RESULTS**

Lab ID: L2523600-07 RE

Client ID: MW-802L_20250414

Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 15:22

Date Received: 04/16/25

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 134,LCMSMS-ID

Analytical Date: 05/13/25 13:50

Analyst: PS

Extraction Method: ALPHA 23528

Extraction Date: 05/12/25 17:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.73	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74			14-147		

Project Name: NCES SSI PFAS
Project Number: 2637.012

Lab Number: L2523600
Report Date: 05/14/25

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/09/25 10:28
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02-07 Batch: WG2063784-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	--
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	--
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	--
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	2.00	--
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	--
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	2.00	--
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	--
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	--
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	--
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	3.86	F	ng/l	2.00	--
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	--
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	--
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	--
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	--
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	--
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	2.00	--
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	--
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	--
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	--
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	--
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	--
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	--
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	--
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	--

Project Name: NCES SSI PFAS
Project Number: 2637.012

Lab Number: L2523600
Report Date: 05/14/25

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/09/25 10:28
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02-07 Batch: WG2063784-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	81		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	88		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	101		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	79		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	125		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	66		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	73		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	71		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	111		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	94		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	98		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	27		5-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	105		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	115		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	89		22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	90		10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	37		10-206
1H,1H,2H,2H-Perfluorododecane Sulfonate (M2D4-10:2FTS)	190	Q	50-150

Project Name: NCES SSI PFAS
Project Number: 2637.012

Lab Number: L2523600
Report Date: 05/14/25

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/09/25 21:54
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02-07 Batch: WG2063784-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	--
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	20.0	--

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	81		5-112
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	71		10-161
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (d5-NEtFOSA)	80		10-160
2-(N-Methyl-d3-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d7-NMeFOSE)	88		10-189
2-(N-Ethyl-d5-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d9-NEtFOSE)	84		10-187

Project Name: NCES SSI PFAS
Project Number: 2637.012

Lab Number: L2523600
Report Date: 05/14/25

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/13/25 09:31
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 05/12/25 17:55

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01,03-07 Batch: WG2065614-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	--
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	--
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	--
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	2.00	--
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	--
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	2.00	--
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	--
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	--
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	--
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	--
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	--
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	--
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	--
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	--
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	--
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	2.00	--
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	--
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	--
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	--
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	--
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	--
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	--
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	--
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	--

Project Name: NCES SSI PFAS
Project Number: 2637.012

Lab Number: L2523600
Report Date: 05/14/25

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/13/25 09:31
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 05/12/25 17:55

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01,03-07 Batch: WG2065614-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	108		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	107		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	79		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	106		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	123		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	82		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	127		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	118		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	88		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	144	Q	55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		5-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	80		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	113		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	127		22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	118		10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	93		10-206
1H,1H,2H,2H-Perfluorododecane Sulfonate (M2D4-10:2FTS)	104		50-150

Project Name: NCES SSI PFAS
Project Number: 2637.012

Lab Number: L2523600
Report Date: 05/14/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/13/25 19:09
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 05/12/25 17:55

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01,03-07 Batch: WG2065614-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	--
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	20.0	--

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	66		5-112
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	63		10-161
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (d5-NEtFOSA)	73		10-160
2-(N-Methyl-d3-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d7-NMeFOSE)	89		10-189
2-(N-Ethyl-d5-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d9-NEtFOSE)	83		10-187

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NCES SSI PFAS

Project Number: 2637.012

Lab Number: L2523600

Report Date: 05/14/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-07 Batch: WG2063784-2								
Perfluorobutanoic Acid (PFBA)	99		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	97		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	98		-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	100		-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	101		-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	98		-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	100		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	101		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	107		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	98		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	154		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	100		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	124		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	120		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	110		-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	158	Q	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	93		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	90		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	151		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	101		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	98		-		45-170	-		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NCES SSI PFAS

Project Number: 2637.012

Lab Number: L2523600

Report Date: 05/14/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-07 Batch: WG2063784-2								
Perfluorododecanoic Acid (PFDoA)	107		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	119		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	117		-		59-182	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	115				70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	132				12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	101				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	165	Q			14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	72				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	76				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	134				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	123	Q			24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	113				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16				5-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	128	Q			27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	129				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	105				22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	94				10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	44				10-206
1H,1H,2H,2H-Perfluorododecane Sulfonate (M2D4-10:2FTS)	210	Q			50-150

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NCES SSI PFAS

Project Number: 2637.012

Lab Number: L2523600

Report Date: 05/14/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-07 Batch: WG2063784-2								
Perfluorooctanesulfonamide (FOSA)	110		-		46-170	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	106		-		10-185	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	84				5-112
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	76				10-161
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (d5-NEtFOSA)	86				10-160
2-(N-Methyl-d3-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d7-NMeFOSE)	92				10-189
2-(N-Ethyl-d5-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d9-NEtFOSE)	89				10-187

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NCES SSI PFAS

Project Number: 2637.012

Lab Number: L2523600

Report Date: 05/14/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-07 Batch: WG2065614-2								
Perfluorobutanoic Acid (PFBA)	99		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	97		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	96		-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	103		-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	94		-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	91		-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	97		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	97		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	87		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	114		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	84		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	95		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	91		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	83		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	90		-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	89		-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	112		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	77		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	150		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	83		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	103		-		45-170	-		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NCES SSI PFAS

Lab Number: L2523600

Project Number: 2637.012

Report Date: 05/14/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-07 Batch: WG2065614-2								
Perfluorododecanoic Acid (PFDoA)	99		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	114		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	98		-		59-182	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	98				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	84				70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	74				12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	87				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	116				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	76				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	119				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	112				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	86				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	131				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19				5-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	79				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	106				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	112				22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	87				10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	115				10-206
1H,1H,2H,2H-Perfluorododecane Sulfonate (M2D4-10:2FTS)	99				50-150

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NCES SSI PFAS

Lab Number: L2523600

Project Number: 2637.012

Report Date: 05/14/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-07 Batch: WG2065614-2								
Perfluorooctanesulfonamide (FOSA)	104		-		46-170	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	109		-		10-185	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	66				5-112
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	61				10-161
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (d5-NEtFOSA)	72				10-160
2-(N-Methyl-d3-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d7-NMeFOSE)	78				10-189
2-(N-Ethyl-d5-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d9-NEtFOSE)	73				10-187

Matrix Spike Analysis **Batch Quality Control**

Project Name: NCES SSI PFAS

Lab Number: L2523600

Project Number: 2637.012

Report Date: 05/14/25

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-07 QC Batch ID: WG2063784-3 QC Sample: L2525696-02 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	4.29	36.6	41.3	101		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	4.06	36.6	39.2	96		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	32.5	32.8	98		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	34.4	34.8	101		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	4.16	36.6	40.6	99		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	34.5	32.4	94		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	2.06	36.6	38.0	98		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	33.5	33.6	100		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	6.00	36.6	45.7	108		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	3.02B	34.9	36.0	94		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	35	49.3	141		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	ND	36.6	36.6	100		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	34	40.5	116		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	36.6	40.6	111		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	35.2	38.0	108		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	35.2	51.9	147		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	36.6	28.6F	78		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	36.6	32.8	90		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	35.4	51.4	145		-	-		38-156	-		30

Matrix Spike Analysis **Batch Quality Control**

Project Name: NCES SSI PFAS

Lab Number: L2523600

Project Number: 2637.012

Report Date: 05/14/25

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-07 QC Batch ID: WG2063784-3 QC Sample: L2525696-02 Client ID: MS Sample												
Perfluorooctanesulfonamide (FOSA)	ND	36.6	34.7	95		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	36.6	38.2	104		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	36.6	34.6	94		-	-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	36.6	36.8	100		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	36.6	40.3	110		-	-		59-182	-		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	357	363	102		-	-		57-162	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	34.7	36.0	104		-	-		69-143	-		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	36.6	34.9	95		-	-		40-167	-		30
Perfluorooctadecanoic Acid (PFODA)	ND	36.6	9.88	27		-	-		10-119	-		30

<i>Surrogate (Extracted Internal Standard)</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	130				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	132				12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	163	Q			14-147
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	56				10-165
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	71				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	86				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	60	Q			62-124

Matrix Spike Analysis

Batch Quality Control

Project Name: NCES SSI PFAS

Lab Number: L2523600

Project Number: 2637.012

Report Date: 05/14/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-07 QC Batch ID: WG2063784-3 QC Sample: L2525696-02
Client ID: MS Sample

Surrogate (Extracted Internal Standard)	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	59				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	61				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	125				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	117				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	125				22-136
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	132				10-206
Perfluoro[13C4]Butanoic Acid (MPFBA)	64				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	65				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	6				5-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	87				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	53	Q			62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	50	Q			59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	119				70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: NCES SSI PFAS

Project Number: 2637.012

Lab Number: L2523600

Report Date: 05/14/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-07 QC Batch ID: WG2065614-3 QC Sample: L2527253-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	38	35.0	92		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	ND	38	35.0	92		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	33.8	32.5	96		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35.7	35.5	100		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	ND	38	34.5	91		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	35.8	32.8	92		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	38	36.3	96		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	34.8	34.0	98		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	ND	38	32.8	85		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	36.2	40.3	111		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	36.3	30.0	83		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	ND	38	35.2	93		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	35.3	30.1	85		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	38	33.6	88		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	36.5	35.3	97		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	36.6	31.4	86		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	38	35.0	92		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	38	31.8	84		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.7	55.9	152		-	-		38-156	-		30

Matrix Spike Analysis **Batch Quality Control**

Project Name: NCES SSI PFAS

Lab Number: L2523600

Project Number: 2637.012

Report Date: 05/14/25

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-07 QC Batch ID: WG2065614-3 QC Sample: L2527253-01 Client ID: MS Sample												
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	38	37.6	99		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	38	35.5	93		-	-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	38	39.6	104		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	38	32.8	86		-	-		59-182	-		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	371	366F	99		-	-		57-162	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	36	22.9	64	Q	-	-		69-143	-		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	38	33.0	87		-	-		40-167	-		30
Perfluorooctadecanoic Acid (PFODA)	ND	38	15.0F	39		-	-		10-119	-		30

<i>Surrogate (Extracted Internal Standard)</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	83				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	69				12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74				14-147
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	28				10-165
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	26	Q			27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	27				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	52	Q			55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	39	Q			62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	24	Q			57-129

Matrix Spike Analysis **Batch Quality Control**

Project Name: NCES SSI PFAS

Lab Number: L2523600

Project Number: 2637.012

Report Date: 05/14/25

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-07 QC Batch ID: WG2065614-3 QC Sample: L2527253-01 Client ID: MS Sample												

<i>Surrogate (Extracted Internal Standard)</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	26	Q			60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	55				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	82				22-136
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	126				10-206
Perfluoro[13C4]Butanoic Acid (MPFBA)	23	Q			58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	24	Q			62-163
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	34	Q			62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	36	Q			59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93				70-131

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-07 QC Batch ID: WG2065614-3 QC Sample: L2527253-01 Client ID: MS Sample												
Perfluorooctanesulfonamide (FOSA)	ND	38	41.6	109		-	-		46-170	-		30

<i>Surrogate (Extracted Internal Standard)</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	72				5-112

Lab Duplicate Analysis

Batch Quality Control

Project Name: NCES SSI PFAS

Project Number: 2637.012

Lab Number: L2523600

Report Date: 05/14/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-07 QC Batch ID: WG2063784-4 QC Sample: L2525696-03 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/l	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/l	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/l	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.53B	2.79	ng/l	10		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis Batch Quality Control

Project Name: NCES SSI PFAS
Project Number: 2637.012

Lab Number: L2523600
Report Date: 05/14/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-07 QC Batch ID: WG2063784-4 QC Sample: L2525696-03 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	ND	ng/l	NC		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	ND	ng/l	NC		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	ND	ng/l	NC		30
Perfluorooctadecanoic Acid (PFODA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	76		71		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	82		76		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	116		108		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	107		92		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	77		77		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81		79		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	121		111		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	73		68		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	140		126		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	66		64		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88		75		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	76		68		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	109		104		10-162

Lab Duplicate Analysis Batch Quality Control

Project Name: NCES SSI PFAS

Project Number: 2637.012

Lab Number: L2523600

Report Date: 05/14/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-07 QC Batch ID: WG2063784-4 QC Sample: L2525696-03 Client ID: DUP Sample						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	94		76		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		100		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	37		29		5-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	96		80		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	124		114		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	126		117		22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	82		75		10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	117		115		10-206

Lab Duplicate Analysis Batch Quality Control

Project Name: NCES SSI PFAS

Project Number: 2637.012

Lab Number: L2523600

Report Date: 05/14/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-07 QC Batch ID: WG2065614-4 QC Sample: L2527253-02 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	105	109	ng/l	4		30
Perfluoropentanoic Acid (PFPeA)	33.8	35.6	ng/l	5		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	14.4	16.0	ng/l	11		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	10.7	11.4	ng/l	6		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	4.37	4.99	ng/l	13		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis Batch Quality Control

Project Name: NCES SSI PFAS

Project Number: 2637.012

Lab Number: L2523600

Report Date: 05/14/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-07 QC Batch ID: WG2065614-4 QC Sample: L2527253-02 Client ID: DUP Sample						
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	ND	ng/l	NC		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	ND	ng/l	NC		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	ND	ng/l	NC		30
Perfluorooctadecanoic Acid (PFODA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	76		42	Q	58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	74		39	Q	62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		94		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	72		63		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	68		34	Q	57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	62		33	Q	60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		97		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	75		41	Q	62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74		69		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	76		44	Q	59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	116		115		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	74		44	Q	62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	74		77		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	40		22	Q	24-116

Lab Duplicate Analysis Batch Quality Control

Project Name: NCES SSI PFAS
Project Number: 2637.012

Lab Number: L2523600
Report Date: 05/14/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-07 QC Batch ID: WG2065614-4 QC Sample: L2527253-02 Client ID: DUP Sample						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	81		50	Q	55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	43		28		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	72		48		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	94		74		22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	75		43		10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	129		120		10-206

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-07 QC Batch ID: WG2065614-4 QC Sample: L2527253-02 Client ID: DUP Sample						

Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC	30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	74		71		5-112

Project Name: NCES SSI PFAS**Lab Number:** L2523600**Project Number:** 2637.012**Report Date:** 05/14/25**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2523600-01A	Plastic 250ml unpreserved	A	NA		2.9	Y	Absent		A2-537-ISOTOPE-36(28)
L2523600-01B	Plastic 250ml unpreserved	A	NA		2.9	Y	Absent		A2-537-ISOTOPE-36(28)
L2523600-02A	Plastic 250ml unpreserved	A	NA		2.9	Y	Absent		A2-537-ISOTOPE-36(28)
L2523600-02B	Plastic 250ml unpreserved	A	NA		2.9	Y	Absent		A2-537-ISOTOPE-36(28)
L2523600-03A	Plastic 250ml unpreserved	A	NA		2.9	Y	Absent		A2-537-ISOTOPE-36(28)
L2523600-03B	Plastic 250ml unpreserved	A	NA		2.9	Y	Absent		A2-537-ISOTOPE-36(28)
L2523600-04A	Plastic 250ml unpreserved	A	NA		2.9	Y	Absent		A2-537-ISOTOPE-36(28)
L2523600-04B	Plastic 250ml unpreserved	A	NA		2.9	Y	Absent		A2-537-ISOTOPE-36(28)
L2523600-05A	Plastic 250ml unpreserved	A	NA		2.9	Y	Absent		A2-537-ISOTOPE-36(28)
L2523600-05B	Plastic 250ml unpreserved	A	NA		2.9	Y	Absent		A2-537-ISOTOPE-36(28)
L2523600-06A	Plastic 250ml unpreserved	A	NA		2.9	Y	Absent		A2-537-ISOTOPE-36(28)
L2523600-06B	Plastic 250ml unpreserved	A	NA		2.9	Y	Absent		A2-537-ISOTOPE-36(28)
L2523600-07A	Plastic 250ml unpreserved	A	NA		2.9	Y	Absent		A2-537-ISOTOPE-36(28)
L2523600-07B	Plastic 250ml unpreserved	A	NA		2.9	Y	Absent		A2-537-ISOTOPE-36(28)

Project Name: NCES SSI PFAS
Project Number: 2637.012

Serial_No:05142513:56
Lab Number: L2523600
Report Date: 05/14/25

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA/PFTeDA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS/PFDoS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafuoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: NCES SSI PFAS
Project Number: 2637.012

Serial_No:05142513:56
Lab Number: L2523600
Report Date: 05/14/25

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name: NCES SSI PFAS
Project Number: 2637.012

Lab Number: L2523600
Report Date: 05/14/25

GLOSSARY

Acronyms

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

Report Format: Data Usability Report



Project Name: NCES SSI PFAS
Project Number: 2637.012

Lab Number: L2523600
Report Date: 05/14/25

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: Data Usability Report



Project Name: NCES SSI PFAS
Project Number: 2637.012

Lab Number: L2523600
Report Date: 05/14/25

Data Qualifiers

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

Project Name: NCES SSI PFAS**Lab Number:** L2523600**Project Number:** 2637.012**Report Date:** 05/14/25

REFERENCES

- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 27

Published Date: 01/24/2025

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Certification Information**The following analytes are not included in our Primary NELAP Scope of Accreditation:****Westborough Facility – 8 Walkup Dr. Westborough, MA 01581****EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

MADEP-APH.**Nonpotable Water:** EPA RSK-175 Dissolved Gases**Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Nonpotable Water: EPA RSK-175 Dissolved Gases**The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:****Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)****The following analytes are included in our Massachusetts DEP Scope of Accreditation****Westborough Facility – 8 Walkup Dr. Westborough, MA 01581****Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg. **EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

Pace Analytical Services LLCID No.: **17873**Facility: **Northeast**

Revision 27

Department: **Quality Assurance**

Published Date: 01/24/2025

Title: **Certificate/Approval Program Summary**

Page 2 of 2

Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

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



CHAIN OF CUSTODY

PAGE 1 OF 1

Project Information

Westborough, MA Mansfield, MA
 TEL: 508-858-9220 TEL: 508-822-9300
 FAX: 508-858-9193 FAX: 508-822-3288

Client Information

Client: Sanborn Head & Associates, Inc.
 Address: 6 Bedford Farms Drive, Suite 201
 Bedford, NH, 03110
 Phone: 603-229-1900

Project Name: NCES SSI PFAS

Project Location: Bethlehem, NH

Project #: 2637.012

Project Manager: Tim White

ALPHA Quote #:

Turn-Around Time

Fax: e-mail: dsaltmarsh@sanbornhead.com

☒ Standard☐ Rush (ONLY IF PRE-APPROVED)

Email: twhite@sanbornhead.com

☐ These samples have been Previously analyzed by Alpha

Due Date:

Time:

Other Project Specific Requirements/Comments/Detection Limits:

Bill NCES

NHDES EMD EDD required.

Analyze by Method 537 mod - isotope dilution (DOD 25 compounds - list attached)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials																	TOTAL # BOTTLES
		Date	Time																			
23600-01	B-932U_20250414	4/14/25	1210	GW	PJP/DEK	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	2
-02	B-932L_20250414	4/14/25	1208	GW	PJP/DEK	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	2
-03	B-933U_20250414	4/14/25	1340	GW	PJP/DEK	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	2
-04	B-933L_20250414	4/14/25	1350	GW	PJP/DEK	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	2
-05	B-934U_20250414	4/14/25	1550	GW	PJP/DEK	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	2
-06	B-934L_20250414	4/14/25	1601	GW	PJP/DEK	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	2
-07	MW-802L_20250414	4/14/25	1522	GW	PJP/DEK	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	2
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Date/Time

Received By:

Date/Time

Patricia Mastura
Patricia Mastura

4/16/25 1400

4-16-25 1650

4/16/25 1930

4/16/25 2100

John P. PACE
John P. PACE

4-16-25 1440

4/16/25 1650

4/16/25 1930

John P. PACE
John P. PACE

4/16/25

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

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
Perfluorohexanesulfonic acid	355-46-4	PFHxS
Perfluorohexanoic acid	307-24-4	PFHxA
Perfluorononane sulfonic acid	68259-12-1	PFNS
Perfluorononanoic 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	PFTTrDA
Perfluoroundecanoic acid	2058-94-8	PFUnA/PFUdA
N-methylperfluorooctanesulfonamide	31506-32-8	N-MeFOSA
Perfluorooctanesulfonamide	754-91-6	PFOSA



ANALYTICAL REPORT

Lab Number:	L2523604
Client:	Sanborn, Head & Associates, Inc. 6 Bedford Farms Drive Suite 201 Bedford, NH 03110
ATTN:	Timothy White
Phone:	(603) 415-6139
Project Name:	NCES GROUNDWATER PFAS
Project Number:	2637.012
Report Date:	05/15/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: NCES GROUNDWATER PFAS**Project Number:** 2637.012**Lab Number:** L2523604**Report Date:** 05/15/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2523604-01	B-304UR_20250414	WATER	BETHLEHEM, NH	04/14/25 10:50	04/16/25
L2523604-02	B-304DR_20250414	WATER	BETHLEHEM, NH	04/14/25 10:57	04/16/25
L2523604-03	MW-604_20250414	WATER	BETHLEHEM, NH	04/14/25 12:23	04/16/25
L2523604-04	MW-701_20250415	WATER	BETHLEHEM, NH	04/15/25 11:13	04/16/25
L2523604-05	B-918M_20250415	WATER	BETHLEHEM, NH	04/15/25 08:26	04/16/25
L2523604-06	B-928U_20250414	WATER	BETHLEHEM, NH	04/14/25 12:52	04/16/25
L2523604-07	B-928D_20250414	WATER	BETHLEHEM, NH	04/14/25 12:57	04/16/25
L2523604-08	FB-PFAS-01_20250415	WATER	BETHLEHEM, NH	04/15/25 11:15	04/16/25

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

Case Narrative

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

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

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

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

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

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

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

Case Narrative (continued)

Perfluorinated Alkyl Acids by Isotope Dilution

L2523604-01, -01RE, -02, -02RE, -03RE, -04RE, -05RE, and -07RE: The sample was centrifuged and decanted prior to extraction due to sample matrix.

L2523604-01, -02, -03, -04, -05, -06, -07, and -08: Sample results for Perfluorohexanesulfonic Acid (PFHxS), Perfluorooctanoic Acid (PFOA), Perfluorooctanesulfonic Acid (PFOS), N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA), and N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) are reported as the sum of the branched and linear isomers.

L2523604-01, -02, -03, -04, -05, -06, -07, and -08: The MeOH fraction of the extraction is reported for the following compounds: Perfluorooctanesulfonamide (FOSA) and N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) due to better extraction efficiency of the surrogates (Extracted Internal Standards).

L2523604-01RE, -02RE, -03RE, -04RE, -05RE, and -07RE: The sample was re-extracted within holding time due to QC failures in the original extraction. The results of the re-extraction are reported for 6:2FtS.

L2523604-03 and -07: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

L2523604-01, -03, -04, -06, -07, WG2063784-1, WG2063784-2, and WG2065614-1: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2523604-08: The Field Blank has a result for 6:2 fts present above the reporting limit; however, re-extraction could not be performed due to lack of additional sample. The sample was re-analyzed with confirming results. The results of the original analysis are reported.

The WG2063784-1 Method Blank, associated with L2523604-06, has a concentration above the reporting limit for 6:2FtS. Since the associated sample concentrations are non-detect to the reporting limit, no corrective action is required.

The WG2063784-1 Method Blank associated with L2523604-08 has concentrations above the reporting limits for 6:2 fts ; however, re-extraction could not be performed due to lack of additional sample volume. The results of the original analysis are reported and are qualified with a "B" for any associated sample concentrations that are less than 10x the blank concentration for this analyte.

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

Case Narrative (continued)

The WG2063784-2 LCS recovery associated with L2523604-06 and -08 is above the acceptance criteria for and perfluorononanesulfonic acid (pfns) (158%); however, the associated samples are non-detect to the reporting limit for this target analyte. The results of the original analysis are reported.

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

Authorized Signature: *Kim L. Bailey* Kim L. Bailey

Title: Technical Director/Representative

Date: 05/15/25

ORGANICS

SEMIVOLATILES

Project Name: NCES GROUNDWATER PFAS**Lab Number:** L2523604**Project Number:** 2637.012**Report Date:** 05/15/25**SAMPLE RESULTS**

Lab ID: L2523604-01
 Client ID: B-304UR_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 10:50
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 05/09/25 12:57
 Analyst: PS

Extraction Method: ALPHA 23528
 Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	29.0		ng/l	1.73	--	1
Perfluoropentanoic Acid (PFPeA)	20.7		ng/l	1.73	--	1
Perfluorobutanesulfonic Acid (PFBS)	20.9		ng/l	1.73	--	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	1.73	--	1
Perfluorohexanoic Acid (PFHxA)	27.7		ng/l	1.73	--	1
Perfluoropentanesulfonic Acid (PFPeS)	4.10		ng/l	1.73	--	1
Perfluoroheptanoic Acid (PFHpA)	26.0		ng/l	1.73	--	1
Perfluorohexanesulfonic Acid (PFHxS)	19.6		ng/l	1.73	--	1
Perfluorooctanoic Acid (PFOA)	25.1		ng/l	1.73	--	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.73	--	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.73	--	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.73	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.73	--	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.73	--	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.73	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.73	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.73	--	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.73	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.73	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.73	--	1
Perfluorotridecanoic Acid (PFTTrDA)	ND		ng/l	1.73	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.73	--	1

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

SAMPLE RESULTS

Lab ID: L2523604-01
Client ID: B-304UR_20250414
Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 10:50
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
Perfluoro[13C4]Butanoic Acid (MPFBA)	67			58-132		
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	72			62-163		
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110			70-131		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	187		Q	12-142		
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85			57-129		
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85			60-129		
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109			71-134		
Perfluoro[13C8]Octanoic Acid (M8PFOA)	71			62-129		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	175		Q	14-147		
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	57		Q	59-139		
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	75			69-131		
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	66			62-124		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	120			10-162		
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	89			24-116		
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82			55-137		
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	92			27-126		
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	106			48-131		
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	104			22-136		

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

SAMPLE RESULTS

Lab ID: L2523604-01
Client ID: B-304UR_20250414
Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 10:50
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/09/25 22:52
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.73	--	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	17.3	--	1
Surrogate (Extracted Internal Standard)			% Recovery	Qualifier	Acceptance Criteria	
Perfluoro[13C8]Octanesulfonamide (M8FOSA)			65		5-112	
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)			58		10-161	

Project Name: NCES GROUNDWATER PFAS**Lab Number:** L2523604**Project Number:** 2637.012**Report Date:** 05/15/25**SAMPLE RESULTS**

Lab ID: L2523604-01 RE

Date Collected: 04/14/25 10:50

Client ID: B-304UR_20250414

Date Received: 04/16/25

Sample Location: BETHLEHEM, NH

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: ALPHA 23528

Analytical Method: 134,LCMSMS-ID

Extraction Date: 05/12/25 17:55

Analytical Date: 05/13/25 14:07

Analyst: PS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	3.60		ng/l	1.74	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	128			14-147		

Project Name: NCES GROUNDWATER PFAS**Lab Number:** L2523604**Project Number:** 2637.012**Report Date:** 05/15/25**SAMPLE RESULTS**

Lab ID: L2523604-02
 Client ID: B-304DR_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 10:57
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 05/09/25 14:37
 Analyst: PS

Extraction Method: ALPHA 23528
 Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	5.26		ng/l	2.02	--	1
Perfluoropentanoic Acid (PFPeA)	7.51		ng/l	2.02	--	1
Perfluorobutanesulfonic Acid (PFBS)	2.59		ng/l	2.02	--	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	2.02	--	1
Perfluorohexanoic Acid (PFHxA)	9.34		ng/l	2.02	--	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	2.02	--	1
Perfluoroheptanoic Acid (PFHpA)	5.03		ng/l	2.02	--	1
Perfluorohexanesulfonic Acid (PFHxS)	2.60		ng/l	2.02	--	1
Perfluorooctanoic Acid (PFOA)	44.7		ng/l	2.02	--	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.02	--	1
Perfluorononanoic Acid (PFNA)	4.04		ng/l	2.02	--	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.02	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.02	--	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.02	--	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	2.02	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.02	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.02	--	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.02	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.02	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.02	--	1
Perfluorotridecanoic Acid (PFTTrDA)	ND		ng/l	2.02	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.02	--	1

Project Name: NCES GROUNDWATER PFAS**Lab Number:** L2523604**Project Number:** 2637.012**Report Date:** 05/15/25**SAMPLE RESULTS**

Lab ID: L2523604-02
 Client ID: B-304DR_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 10:57
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	85		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	135		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	79		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	119		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	64		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	71		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	66		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	88		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	56		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	63		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	62		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	71		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83		22-136

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

SAMPLE RESULTS

Lab ID: L2523604-02
Client ID: B-304DR_20250414
Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 10:57
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/09/25 22:59
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.02	--	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	20.2	--	1
Surrogate (Extracted Internal Standard)			% Recovery	Qualifier	Acceptance Criteria	
Perfluoro[13C8]Octanesulfonamide (M8FOSA)			54		5-112	
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)			50		10-161	

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

SAMPLE RESULTS

Lab ID: L2523604-02 RE
Client ID: B-304DR_20250414
Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 10:57
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/13/25 14:24
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 05/12/25 17:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.54		ng/l	1.93	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	79			14-147		

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

SAMPLE RESULTS

Lab ID: L2523604-03
Client ID: MW-604_20250414
Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 12:23
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/09/25 14:54
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	4.13		ng/l	3.03	--	1
Perfluoropentanoic Acid (PFPeA)	3.18		ng/l	3.03	--	1
Perfluorobutanesulfonic Acid (PFBS)	3.68		ng/l	3.03	--	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	3.03	--	1
Perfluorohexanoic Acid (PFHxA)	3.72		ng/l	3.03	--	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	3.03	--	1
Perfluoroheptanoic Acid (PFHpA)	3.69		ng/l	3.03	--	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	3.03	--	1
Perfluorooctanoic Acid (PFOA)	16.3		ng/l	3.03	--	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	3.03	--	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	3.03	--	1
Perfluorooctanesulfonic Acid (PFOS)	5.74	F	ng/l	3.03	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	3.03	--	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	3.03	--	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	3.03	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	3.03	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	3.03	--	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	3.03	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	3.03	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	3.03	--	1
Perfluorotridecanoic Acid (PFTTrDA)	ND		ng/l	3.03	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	3.03	--	1

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

SAMPLE RESULTS

Lab ID: L2523604-03
Client ID: MW-604_20250414
Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 12:23
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	78		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	87		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	97		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	74		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	105		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	59		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	72		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	59	Q	62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	84		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	67		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	48		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	67		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85		22-136

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

SAMPLE RESULTS

Lab ID: L2523604-03
Client ID: MW-604_20250414
Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 12:23
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/09/25 23:06
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	3.03	--	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	30.3	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	57			5-112		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	48			10-161		

Project Name: NCES GROUNDWATER PFAS**Lab Number:** L2523604**Project Number:** 2637.012**Report Date:** 05/15/25**SAMPLE RESULTS**

Lab ID: L2523604-03 RE

Date Collected: 04/14/25 12:23

Client ID: MW-604_20250414

Date Received: 04/16/25

Sample Location: BETHLEHEM, NH

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: ALPHA 23528

Analytical Method: 134,LCMSMS-ID

Extraction Date: 05/12/25 17:55

Analytical Date: 05/13/25 14:40

Analyst: PS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.92	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	65			14-147		

Project Name: NCES GROUNDWATER PFAS**Lab Number:** L2523604**Project Number:** 2637.012**Report Date:** 05/15/25**SAMPLE RESULTS**

Lab ID: L2523604-04
 Client ID: MW-701_20250415
 Sample Location: BETHLEHEM, NH

Date Collected: 04/15/25 11:13
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 05/09/25 15:10
 Analyst: PS

Extraction Method: ALPHA 23528
 Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	8.54		ng/l	1.72	--	1
Perfluoropentanoic Acid (PFPeA)	15.6		ng/l	1.72	--	1
Perfluorobutanesulfonic Acid (PFBS)	2.98		ng/l	1.72	--	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	1.72	--	1
Perfluorohexanoic Acid (PFHxA)	17.8		ng/l	1.72	--	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.72	--	1
Perfluoroheptanoic Acid (PFHpA)	4.98		ng/l	1.72	--	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.72	--	1
Perfluorooctanoic Acid (PFOA)	11.9		ng/l	1.72	--	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.72	--	1
Perfluorononanoic Acid (PFNA)	1.83		ng/l	1.72	--	1
Perfluorooctanesulfonic Acid (PFOS)	6.38	F	ng/l	1.72	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.72	--	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.72	--	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.72	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.72	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.72	--	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.72	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.72	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.72	--	1
Perfluorotridecanoic Acid (PFTTrDA)	ND		ng/l	1.72	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.72	--	1

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

SAMPLE RESULTS

Lab ID: L2523604-04
Client ID: MW-701_20250415
Sample Location: BETHLEHEM, NH

Date Collected: 04/15/25 11:13
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	189	Q	12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	172	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	67		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	78		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	123		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	96		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	97		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	113		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	104		22-136

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

SAMPLE RESULTS

Lab ID: L2523604-04
Client ID: MW-701_20250415
Sample Location: BETHLEHEM, NH

Date Collected: 04/15/25 11:13
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/09/25 23:14
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.72	--	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	17.2	--	1
Surrogate (Extracted Internal Standard)			% Recovery	Qualifier	Acceptance Criteria	
Perfluoro[13C8]Octanesulfonamide (M8FOSA)			73		5-112	
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)			66		10-161	

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

SAMPLE RESULTS

Lab ID: L2523604-04 RE
Client ID: MW-701_20250415
Sample Location: BETHLEHEM, NH

Date Collected: 04/15/25 11:13
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/13/25 14:57
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 05/12/25 17:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.70	--	1
Surrogate (Extracted Internal Standard)			% Recovery	Qualifier	Acceptance Criteria	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)			124		14-147	

Project Name: NCES GROUNDWATER PFAS**Lab Number:** L2523604**Project Number:** 2637.012**Report Date:** 05/15/25**SAMPLE RESULTS**

Lab ID: L2523604-05
 Client ID: B-918M_20250415
 Sample Location: BETHLEHEM, NH

Date Collected: 04/15/25 08:26
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 05/09/25 15:27
 Analyst: PS

Extraction Method: ALPHA 23528
 Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	2.67		ng/l	1.73	--	1
Perfluoropentanoic Acid (PFPeA)	2.81		ng/l	1.73	--	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.73	--	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	1.73	--	1
Perfluorohexanoic Acid (PFHxA)	4.08		ng/l	1.73	--	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.73	--	1
Perfluoroheptanoic Acid (PFHpA)	2.93		ng/l	1.73	--	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.73	--	1
Perfluorooctanoic Acid (PFOA)	3.63		ng/l	1.73	--	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.73	--	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.73	--	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.73	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.73	--	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.73	--	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.73	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.73	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.73	--	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.73	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.73	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.73	--	1
Perfluorotridecanoic Acid (PFTTrDA)	ND		ng/l	1.73	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.73	--	1

Project Name: NCES GROUNDWATER PFAS**Lab Number:** L2523604**Project Number:** 2637.012**Report Date:** 05/15/25**SAMPLE RESULTS**

Lab ID: L2523604-05
 Client ID: B-918M_20250415
 Sample Location: BETHLEHEM, NH

Date Collected: 04/15/25 08:26
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	89		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	113		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	114		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	119		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	72		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	138		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	64		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	82		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	72		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	117		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	102		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	98		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	98		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	116		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83		22-136

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

SAMPLE RESULTS

Lab ID: L2523604-05
Client ID: B-918M_20250415
Sample Location: BETHLEHEM, NH

Date Collected: 04/15/25 08:26
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/09/25 23:28
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.73	--	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	17.3	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	86			5-112		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	79			10-161		

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

SAMPLE RESULTS

Lab ID: L2523604-05 RE
Client ID: B-918M_20250415
Sample Location: BETHLEHEM, NH

Date Collected: 04/15/25 08:26
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/13/25 15:13
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 05/12/25 17:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.75	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	69			14-147		

Project Name: NCES GROUNDWATER PFAS**Lab Number:** L2523604**Project Number:** 2637.012**Report Date:** 05/15/25**SAMPLE RESULTS**

Lab ID: L2523604-06
 Client ID: B-928U_20250414
 Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 12:52
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 05/09/25 15:43
 Analyst: PS

Extraction Method: ALPHA 23528
 Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	8.48		ng/l	1.79	--	1
Perfluoropentanoic Acid (PFPeA)	7.86		ng/l	1.79	--	1
Perfluorobutanesulfonic Acid (PFBS)	6.62		ng/l	1.79	--	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	1.79	--	1
Perfluorohexanoic Acid (PFHxA)	10.3		ng/l	1.79	--	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.79	--	1
Perfluoroheptanoic Acid (PFHpA)	7.49		ng/l	1.79	--	1
Perfluorohexanesulfonic Acid (PFHxS)	1.80		ng/l	1.79	--	1
Perfluorooctanoic Acid (PFOA)	15.5		ng/l	1.79	--	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.79	--	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.79	--	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.79	--	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.79	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.79	--	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.79	--	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.79	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.79	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.79	--	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.79	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.79	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.79	--	1
Perfluorotridecanoic Acid (PFTTrDA)	ND		ng/l	1.79	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.79	--	1

Project Name: NCES GROUNDWATER PFAS**Lab Number:** L2523604**Project Number:** 2637.012**Report Date:** 05/15/25**SAMPLE RESULTS**

Lab ID: L2523604-06

Date Collected: 04/14/25 12:52

Client ID: B-928U_20250414

Date Received: 04/16/25

Sample Location: BETHLEHEM, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	61		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	67		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	78		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	69		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	66		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	69		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	80		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	61	Q	62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	86		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	49	Q	59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	49	Q	69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	38	Q	62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	60		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	31		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	40	Q	55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	32		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	44	Q	48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	45		22-136

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

SAMPLE RESULTS

Lab ID: L2523604-06
Client ID: B-928U_20250414
Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 12:52
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/09/25 23:35
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.79	--	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	17.9	--	1
Surrogate (Extracted Internal Standard)			% Recovery	Qualifier	Acceptance Criteria	
Perfluoro[13C8]Octanesulfonamide (M8FOSA)			71		5-112	
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)			62		10-161	

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

SAMPLE RESULTS

Lab ID: L2523604-07
Client ID: B-928D_20250414
Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 12:57
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/09/25 16:00
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	16.5		ng/l	2.77	--	1
Perfluoropentanoic Acid (PFPeA)	14.8		ng/l	2.77	--	1
Perfluorobutanesulfonic Acid (PFBS)	22.1		ng/l	2.77	--	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	2.77	--	1
Perfluorohexanoic Acid (PFHxA)	18.8		ng/l	2.77	--	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	2.77	--	1
Perfluoroheptanoic Acid (PFHpA)	10.9		ng/l	2.77	--	1
Perfluorohexanesulfonic Acid (PFHxS)	4.07		ng/l	2.77	--	1
Perfluorooctanoic Acid (PFOA)	18.4		ng/l	2.77	--	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.77	--	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.77	--	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.77	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.77	--	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.77	--	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	2.77	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.77	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.77	--	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.77	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.77	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.77	--	1
Perfluorotridecanoic Acid (PFTTrDA)	ND		ng/l	2.77	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.77	--	1

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

SAMPLE RESULTS

Lab ID: L2523604-07
Client ID: B-928D_20250414
Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 12:57
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	106		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	138	Q	70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	134		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	110		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	118		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	139	Q	71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	168	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	85		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	136		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	113		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	129		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	118		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	156	Q	48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	146	Q	22-136

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

SAMPLE RESULTS

Lab ID: L2523604-07
Client ID: B-928D_20250414
Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 12:57
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/09/25 23:42
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.77	--	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	27.7	--	1
Surrogate (Extracted Internal Standard)			% Recovery	Qualifier	Acceptance Criteria	
Perfluoro[13C8]Octanesulfonamide (M8FOSA)			43		5-112	
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)			30		10-161	

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

SAMPLE RESULTS

Lab ID: L2523604-07 RE
Client ID: B-928D_20250414
Sample Location: BETHLEHEM, NH

Date Collected: 04/14/25 12:57
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/13/25 15:30
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 05/12/25 17:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.19	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	55			14-147		

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

SAMPLE RESULTS

Lab ID: L2523604-08
Client ID: FB-PFAS-01_20250415
Sample Location: BETHLEHEM, NH

Date Collected: 04/15/25 11:15
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/09/25 16:16
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.05	--	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.05	--	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.05	--	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	2.05	--	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.05	--	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	2.05	--	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.05	--	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.05	--	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.05	--	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	4.01	FB	ng/l	2.05	--	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.05	--	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.05	--	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.05	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.05	--	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.05	--	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	2.05	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.05	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.05	--	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.05	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.05	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.05	--	1
Perfluorotridecanoic Acid (PFTTrDA)	ND		ng/l	2.05	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.05	--	1

Project Name: NCES GROUNDWATER PFAS**Lab Number:** L2523604**Project Number:** 2637.012**Report Date:** 05/15/25**SAMPLE RESULTS**

Lab ID: L2523604-08
 Client ID: FB-PFAS-01_20250415
 Sample Location: BETHLEHEM, NH

Date Collected: 04/15/25 11:15
 Date Received: 04/16/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	84		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	89		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	78		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	109		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	68		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	72		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	74		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	106		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	96		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	93		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	113		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	99		22-136

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

SAMPLE RESULTS

Lab ID: L2523604-08
Client ID: FB-PFAS-01_20250415
Sample Location: BETHLEHEM, NH

Date Collected: 04/15/25 11:15
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/09/25 23:50
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.05	--	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	20.5	--	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	83			5-112		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	66			10-161		

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/09/25 10:28
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-08 Batch: WG2063784-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	--
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	--
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	--
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	2.00	--
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	--
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	2.00	--
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	--
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	--
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	--
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	3.86	F	ng/l	2.00	--
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	--
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	--
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	--
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	--
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	--
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	2.00	--
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	--
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	--
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	--
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	--
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	--
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	--
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	--
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	--

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/09/25 10:28
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-08 Batch: WG2063784-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	81		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	88		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	101		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	79		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	125		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	66		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	73		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	71		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	111		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	94		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	98		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	27		5-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	105		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	115		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	89		22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	90		10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	37		10-206
1H,1H,2H,2H-Perfluorododecane Sulfonate (M2D4-10:2FTS)	190	Q	50-150

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/09/25 21:54
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 05/08/25 02:42

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-08 Batch: WG2063784-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	--
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	20.0	--

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	81		5-112
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	71		10-161
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (d5-NEtFOSA)	80		10-160
2-(N-Methyl-d3-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d7-NMeFOSE)	88		10-189
2-(N-Ethyl-d5-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d9-NEtFOSE)	84		10-187

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/13/25 09:31
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 05/12/25 17:55

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-05,07 Batch: WG2065614-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	--
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	--
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	--
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	2.00	--
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	--
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	2.00	--
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	--
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	--
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	--
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	--
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	--
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	--
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	--
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	--
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	--
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	2.00	--
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	--
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	--
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	--
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	--
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	--
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	--
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	--
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	--

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/13/25 09:31
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 05/12/25 17:55

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-05,07 Batch: WG2065614-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	108		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	107		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	79		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	106		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	123		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	82		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	127		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	118		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	88		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	144	Q	55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		5-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	80		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	113		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	127		22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	118		10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	93		10-206
1H,1H,2H,2H-Perfluorododecane Sulfonate (M2D4-10:2FTS)	104		50-150



Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 134,LCMSMS-ID
Analytical Date: 05/13/25 19:09
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 05/12/25 17:55

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-05,07 Batch: WG2065614-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	--
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	20.0	--

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	66		5-112
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	63		10-161
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (d5-NEtFOSA)	73		10-160
2-(N-Methyl-d3-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d7-NMeFOSE)	89		10-189
2-(N-Ethyl-d5-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d9-NEtFOSE)	83		10-187

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NCES GROUNDWATER PFAS

Lab Number: L2523604

Project Number: 2637.012

Report Date: 05/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-08 Batch: WG2063784-2								
Perfluorobutanoic Acid (PFBA)	99		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	97		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	98		-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	100		-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	101		-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	98		-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	100		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	101		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	107		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	98		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	154		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	100		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	124		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	120		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	110		-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	158	Q	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	93		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	90		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	151		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	101		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	98		-		45-170	-		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NCES GROUNDWATER PFAS

Lab Number: L2523604

Project Number: 2637.012

Report Date: 05/15/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-08 Batch: WG2063784-2								
Perfluorododecanoic Acid (PFDoA)	107		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	119		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	117		-		59-182	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	115				70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	132				12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	101				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	165	Q			14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	72				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	76				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	134				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	123	Q			24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	113				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16				5-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	128	Q			27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	129				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	105				22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	94				10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	44				10-206
1H,1H,2H,2H-Perfluorododecane Sulfonate (M2D4-10:2FTS)	210	Q			50-150

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NCES GROUNDWATER PFAS

Lab Number: L2523604

Project Number: 2637.012

Report Date: 05/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-08 Batch: WG2063784-2								
Perfluorooctanesulfonamide (FOSA)	110		-		46-170	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	106		-		10-185	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	84				5-112
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	76				10-161
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (d5-NEtFOSA)	86				10-160
2-(N-Methyl-d3-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d7-NMeFOSE)	92				10-189
2-(N-Ethyl-d5-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d9-NEtFOSE)	89				10-187

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NCES GROUNDWATER PFAS

Project Number: 2637.012

Lab Number: L2523604

Report Date: 05/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05,07 Batch: WG2065614-2								
Perfluorobutanoic Acid (PFBA)	99		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	97		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	96		-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	103		-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	94		-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	91		-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	97		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	97		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	87		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	114		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	84		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	95		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	91		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	83		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	90		-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	89		-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	112		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	77		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	150		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	83		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	103		-		45-170	-		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NCES GROUNDWATER PFAS

Lab Number: L2523604

Project Number: 2637.012

Report Date: 05/15/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05,07 Batch: WG2065614-2								
Perfluorododecanoic Acid (PFDoA)	99		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	114		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	98		-		59-182	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	98				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	84				70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	74				12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	87				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	116				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	76				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	119				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	112				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	86				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	131				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19				5-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	79				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	106				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	112				22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	87				10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	115				10-206
1H,1H,2H,2H-Perfluorododecane Sulfonate (M2D4-10:2FTS)	99				50-150

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NCES GROUNDWATER PFAS

Lab Number: L2523604

Project Number: 2637.012

Report Date: 05/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05,07 Batch: WG2065614-2								
Perfluorooctanesulfonamide (FOSA)	104		-		46-170	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	109		-		10-185	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	66				5-112
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	61				10-161
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (d5-NEtFOSA)	72				10-160
2-(N-Methyl-d3-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d7-NMeFOSE)	78				10-189
2-(N-Ethyl-d5-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d9-NEtFOSE)	73				10-187

Matrix Spike Analysis
Batch Quality Control

Project Name: NCES GROUNDWATER PFAS

Lab Number: L2523604

Project Number: 2637.012

Report Date: 05/15/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG2063784-3 QC Sample: L2525696-02 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	4.29	36.6	41.3	101		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	4.06	36.6	39.2	96		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	32.5	32.8	98		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	34.4	34.8	101		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	4.16	36.6	40.6	99		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	34.5	32.4	94		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	2.06	36.6	38.0	98		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	33.5	33.6	100		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	6.00	36.6	45.7	108		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	3.02B	34.9	36.0	94		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	35	49.3	141		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	ND	36.6	36.6	100		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	34	40.5	116		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	36.6	40.6	111		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	35.2	38.0	108		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	35.2	51.9	147		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	36.6	28.6F	78		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	36.6	32.8	90		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	35.4	51.4	145		-	-		38-156	-		30

Matrix Spike Analysis **Batch Quality Control**

Project Name: NCES GROUNDWATER PFAS

Lab Number: L2523604

Project Number: 2637.012

Report Date: 05/15/25

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG2063784-3 QC Sample: L2525696-02 Client ID: MS Sample												
Perfluorooctanesulfonamide (FOSA)	ND	36.6	34.7	95		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	36.6	38.2	104		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	36.6	34.6	94		-	-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	36.6	36.8	100		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	36.6	40.3	110		-	-		59-182	-		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	357	363	102		-	-		57-162	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	34.7	36.0	104		-	-		69-143	-		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	36.6	34.9	95		-	-		40-167	-		30
Perfluorooctadecanoic Acid (PFODA)	ND	36.6	9.88	27		-	-		10-119	-		30

<i>Surrogate (Extracted Internal Standard)</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	130				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	132				12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	163	Q			14-147
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	56				10-165
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	71				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	86				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	60	Q			62-124

Matrix Spike Analysis

Batch Quality Control

Project Name: NCES GROUNDWATER PFAS

Lab Number: L2523604

Project Number: 2637.012

Report Date: 05/15/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG2063784-3 QC Sample: L2525696-02
Client ID: MS Sample

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	59				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	61				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	125				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	117				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	125				22-136
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	132				10-206
Perfluoro[13C4]Butanoic Acid (MPFBA)	64				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	65				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	6				5-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	87				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	53	Q			62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	50	Q			59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	119				70-131

Matrix Spike Analysis **Batch Quality Control**

Project Name: NCES GROUNDWATER PFAS

Lab Number: L2523604

Project Number: 2637.012

Report Date: 05/15/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05,07 QC Batch ID: WG2065614-3 QC Sample: L2527253-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	38	35.0	92		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	ND	38	35.0	92		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	33.8	32.5	96		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35.7	35.5	100		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	ND	38	34.5	91		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	35.8	32.8	92		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	38	36.3	96		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	34.8	34.0	98		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	ND	38	32.8	85		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	36.2	40.3	111		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	36.3	30.0	83		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	ND	38	35.2	93		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	35.3	30.1	85		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	38	33.6	88		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	36.5	35.3	97		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	36.6	31.4	86		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	38	35.0	92		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	38	31.8	84		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.7	55.9	152		-	-		38-156	-		30

Matrix Spike Analysis **Batch Quality Control**

Project Name: NCES GROUNDWATER PFAS

Lab Number: L2523604

Project Number: 2637.012

Report Date: 05/15/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05,07 QC Batch ID: WG2065614-3 QC Sample: L2527253-01 Client ID: MS Sample												
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	38	37.6	99		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	38	35.5	93		-	-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	38	39.6	104		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	38	32.8	86		-	-		59-182	-		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	371	366F	99		-	-		57-162	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	36	22.9	64	Q	-	-		69-143	-		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	38	33.0	87		-	-		40-167	-		30
Perfluorooctadecanoic Acid (PFODA)	ND	38	15.0F	39		-	-		10-119	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	83				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	69				12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74				14-147
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	28				10-165
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	26	Q			27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	27				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	52	Q			55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	39	Q			62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	24	Q			57-129

Matrix Spike Analysis **Batch Quality Control**

Project Name: NCES GROUNDWATER PFAS

Lab Number: L2523604

Project Number: 2637.012

Report Date: 05/15/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05,07 QC Batch ID: WG2065614-3 QC Sample: L2527253-01 Client ID: MS Sample												

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	26	Q			60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	55				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	82				22-136
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	126				10-206
Perfluoro[13C4]Butanoic Acid (MPFBA)	23	Q			58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	24	Q			62-163
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	34	Q			62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	36	Q			59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93				70-131

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05,07 QC Batch ID: WG2065614-3 QC Sample: L2527253-01 Client ID: MS Sample												
Perfluorooctanesulfonamide (FOSA)	ND	38	41.6	109		-	-		46-170	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	72				5-112

Lab Duplicate Analysis Batch Quality Control

Project Name: NCES GROUNDWATER PFAS

Project Number: 2637.012

Lab Number: L2523604

Report Date: 05/15/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG2063784-4 QC Sample: L2525696-03 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/l	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/l	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/l	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.53B	2.79	ng/l	10		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis**Batch Quality Control****Project Name:** NCES GROUNDWATER PFAS**Project Number:** 2637.012**Lab Number:** L2523604**Report Date:** 05/15/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG2063784-4 QC Sample: L2525696-03 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	ND	ng/l	NC		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	ND	ng/l	NC		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	ND	ng/l	NC		30
Perfluorooctadecanoic Acid (PFODA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	76		71		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	82		76		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	116		108		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	107		92		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	77		77		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81		79		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	121		111		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	73		68		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	140		126		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	66		64		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88		75		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	76		68		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	109		104		10-162

Lab Duplicate Analysis Batch Quality Control

Project Name: NCES GROUNDWATER PFAS

Project Number: 2637.012

Lab Number: L2523604

Report Date: 05/15/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG2063784-4 QC Sample: L2525696-03 Client ID: DUP Sample						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	94		76		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		100		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	37		29		5-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	96		80		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	124		114		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	126		117		22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	82		75		10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	117		115		10-206

Lab Duplicate Analysis Batch Quality Control

Project Name: NCES GROUNDWATER PFAS

Project Number: 2637.012

Lab Number: L2523604

Report Date: 05/15/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05,07 QC Batch ID: WG2065614-4 QC Sample: L2527253-02 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	105	109	ng/l	4		30
Perfluoropentanoic Acid (PFPeA)	33.8	35.6	ng/l	5		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	14.4	16.0	ng/l	11		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	10.7	11.4	ng/l	6		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	4.37	4.99	ng/l	13		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis Batch Quality Control

Project Name: NCES GROUNDWATER PFAS

Project Number: 2637.012

Lab Number: L2523604

Report Date: 05/15/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05,07 QC Batch ID: WG2065614-4 QC Sample: L2527253-02 Client ID: DUP Sample						
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	ND	ng/l	NC		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	ND	ng/l	NC		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	ND	ng/l	NC		30
Perfluorooctadecanoic Acid (PFODA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	76		42	Q	58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	74		39	Q	62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		94		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	72		63		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	68		34	Q	57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	62		33	Q	60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		97		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	75		41	Q	62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74		69		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	76		44	Q	59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	116		115		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	74		44	Q	62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	74		77		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	40		22	Q	24-116

Lab Duplicate Analysis**Batch Quality Control****Project Name:** NCES GROUNDWATER PFAS**Project Number:** 2637.012**Lab Number:** L2523604**Report Date:** 05/15/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05,07 QC Batch ID: WG2065614-4 QC Sample: L2527253-02 Client ID: DUP Sample						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	81		50	Q	55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	43		28		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	72		48		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	94		74		22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	75		43		10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	129		120		10-206

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05,07 QC Batch ID: WG2065614-4 QC Sample: L2527253-02 Client ID: DUP Sample						

Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC	30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	74		71		5-112

Project Name: NCES GROUNDWATER PFAS**Lab Number:** L2523604**Project Number:** 2637.012**Report Date:** 05/15/25**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2523604-01A	Plastic 250ml unpreserved	B	NA		6.0	Y	Absent		A2-537-ISOTOPE-36(28)
L2523604-01B	Plastic 250ml unpreserved	B	NA		6.0	Y	Absent		A2-537-ISOTOPE-36(28)
L2523604-02A	Plastic 250ml unpreserved	B	NA		6.0	Y	Absent		A2-537-ISOTOPE-36(28)
L2523604-02B	Plastic 250ml unpreserved	B	NA		6.0	Y	Absent		A2-537-ISOTOPE-36(28)
L2523604-03A	Plastic 250ml unpreserved	B	NA		6.0	Y	Absent		A2-537-ISOTOPE-36(28)
L2523604-03B	Plastic 250ml unpreserved	B	NA		6.0	Y	Absent		A2-537-ISOTOPE-36(28)
L2523604-04A	Plastic 250ml unpreserved	B	NA		6.0	Y	Absent		A2-537-ISOTOPE-36(28)
L2523604-04B	Plastic 250ml unpreserved	B	NA		6.0	Y	Absent		A2-537-ISOTOPE-36(28)
L2523604-05A	Plastic 250ml unpreserved	B	NA		6.0	Y	Absent		A2-537-ISOTOPE-36(28)
L2523604-05B	Plastic 250ml unpreserved	B	NA		6.0	Y	Absent		A2-537-ISOTOPE-36(28)
L2523604-06A	Plastic 250ml unpreserved	B	NA		6.0	Y	Absent		A2-537-ISOTOPE-36(28)
L2523604-06B	Plastic 250ml unpreserved	B	NA		6.0	Y	Absent		A2-537-ISOTOPE-36(28)
L2523604-07A	Plastic 250ml unpreserved	B	NA		6.0	Y	Absent		A2-537-ISOTOPE-36(28)
L2523604-07B	Plastic 250ml unpreserved	B	NA		6.0	Y	Absent		A2-537-ISOTOPE-36(28)
L2523604-08A	Plastic 250ml unpreserved	B	NA		6.0	Y	Absent		A2-537-ISOTOPE-36(28)
L2523604-08B	Plastic 250ml unpreserved	B	NA		6.0	Y	Absent		A2-537-ISOTOPE-36(28)

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Serial_No:05152514:44
Lab Number: L2523604
Report Date: 05/15/25

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA/PFTeDA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS/PFDoS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafuoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Serial_No:05152514:44
Lab Number: L2523604
Report Date: 05/15/25

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

GLOSSARY

Acronyms

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

Report Format: Data Usability Report



Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: Data Usability Report



Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

Data Qualifiers

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

Project Name: NCES GROUNDWATER PFAS
Project Number: 2637.012

Lab Number: L2523604
Report Date: 05/15/25

REFERENCES

- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 27

Published Date: 01/24/2025

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Certification Information**The following analytes are not included in our Primary NELAP Scope of Accreditation:****Westborough Facility – 8 Walkup Dr. Westborough, MA 01581****EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

MADEP-APH.**Nonpotable Water:** EPA RSK-175 Dissolved Gases**Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Nonpotable Water: EPA RSK-175 Dissolved Gases**The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:****Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)****The following analytes are included in our Massachusetts DEP Scope of Accreditation****Westborough Facility – 8 Walkup Dr. Westborough, MA 01581*****Drinking Water*****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.***Non-Potable Water*****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048*****Drinking Water*****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522, EPA 537.1.*****Non-Potable Water*****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

Pace Analytical Services LLCID No.:**17873**Facility: **Northeast**

Revision 27

Department: **Quality Assurance**

Published Date: 01/24/2025

Title: **Certificate/Approval Program Summary**

Page 2 of 2

Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

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



CHAIN OF CUSTODY

PAGE 1 OF 1

Project Information

Project Name: NCES Groundwater PFAS

Project Location: Bethlehem, NH

Project #: 2637.012

Project Manager: Tim White

ALPHA Quote #:

Turn-Around Time

☒ Standard
 ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Westborough, MA Mansfield, MA
 TEL: 508-898-9220 TEL: 508-822-9300
 FAX: 508-898-9193 FAX: 508-822-3288

Client Information

Client: Sanborn Head & Associates, Inc.

Address: 6 Bedford Farms Drive, Suite 201

Bedford, NH, 03110

Phone: 603-229-1900

Fax: e-mail: dsaltmarsh@sanbornhead.com

Email: twhite@sanbornhead.com

☐ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Bill NCES

NHDES EMD EDD required.

Analyze by Method 537 mod - isotope dilution (DOD 25 compounds - list attached)

Date Rec'd in Lab: 4/16/25

ALPHA Job #: 2523309

Report Information Data Deliverables

☐ FAX
 ☒ EMAIL

☒ ADEx
 ☒ Add'l Deliverables

Billing Information

☐ Same as Client info
 PO #:

Regulatory Requirements/Report Limits

State/Fed Program

Criteria

NHDES

GW-1

ANALYSIS

PFAS 537 mod- DOD 25 list

SAMPLE HANDLING

Filtration

☐ Done

☐ Not Needed

☐ Lab to do

☐ Lab to do

☐ Lab to do

(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials																	
		Date	Time																			
23604-01	B-304UR 202411 20250414	4/14/25	1050	GW	PJP/DEK	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	2
-02	B-304DR 202411 20250414	4/14/25	1057	GW	PJP/DEK	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	2
-03	MW-604 202411 20250414	4/14/25	1223	GW	PJP/DEK	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	2
-04	MW-701 202411 20250415	4/15/25	1113	GW	PJP/DEK	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	2
-05	B-918M 202411 20250415	4/15/25	0826	GW	PJP/DEK	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	2
-06	B-928U 202411 20250414	4/14/25	1252	GW	PJP/DEK	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	2
-07	B-928D 202411 20250414	4/14/25	1257	GW	PJP/DEK	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	2
-08	FB-PFAS-01 202411 20250415	4/15/25	1115	AQ	-	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	1
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	-
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Container Type

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Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

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	NEFOSAA
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
Perfluorodecane sulfonic 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
Perfluorohexanesulfonic acid	355-46-4	PFHxS
Perfluorohexanoic acid	307-24-4	PFHxA
Perfluorononane sulfonic acid	68259-12-1	PFNS
Perfluorononanoic 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

Appendix G

Precipitation Information

Figure G.1
U.S. Drought Monitor Data - Grafton County, New Hampshire

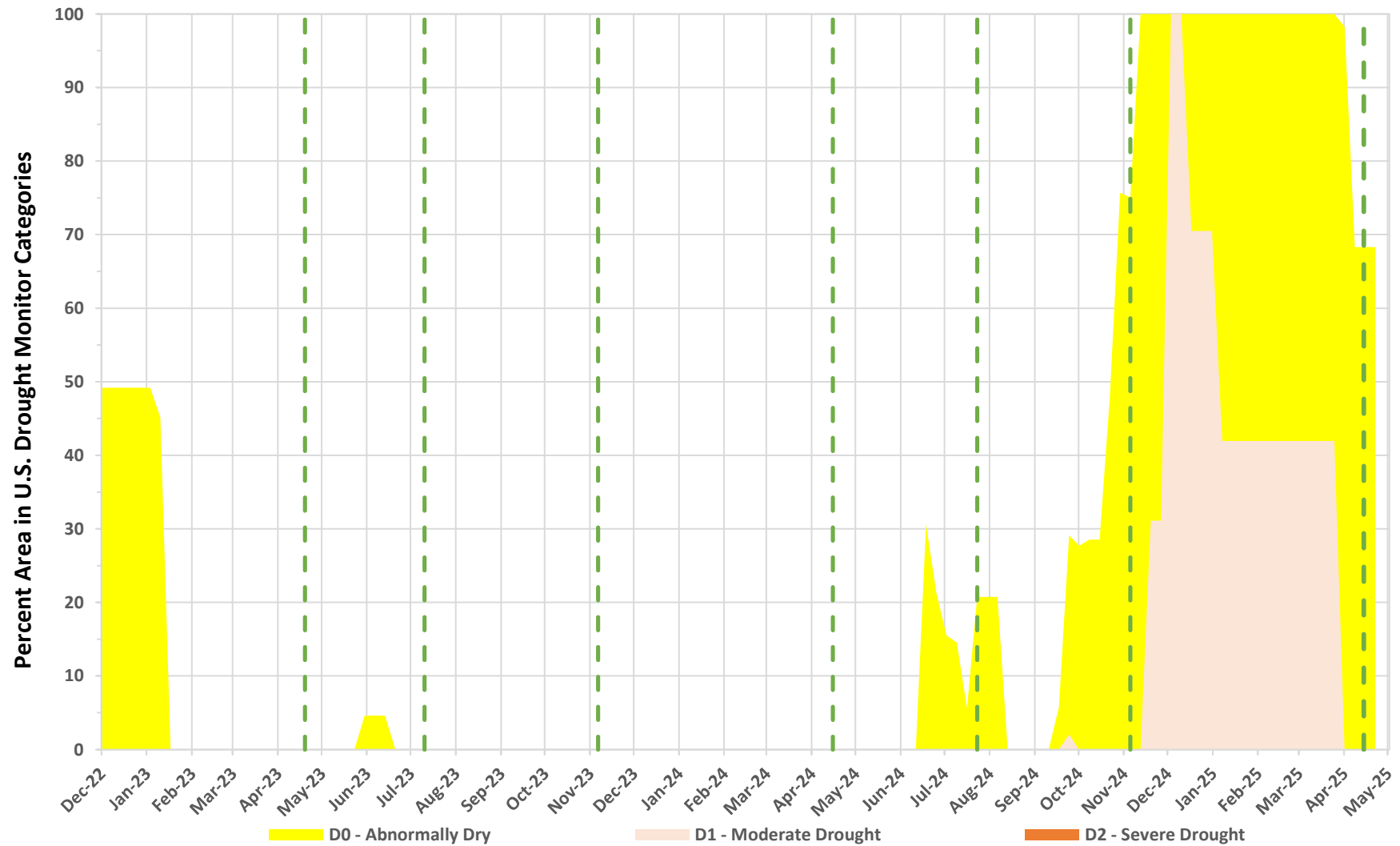
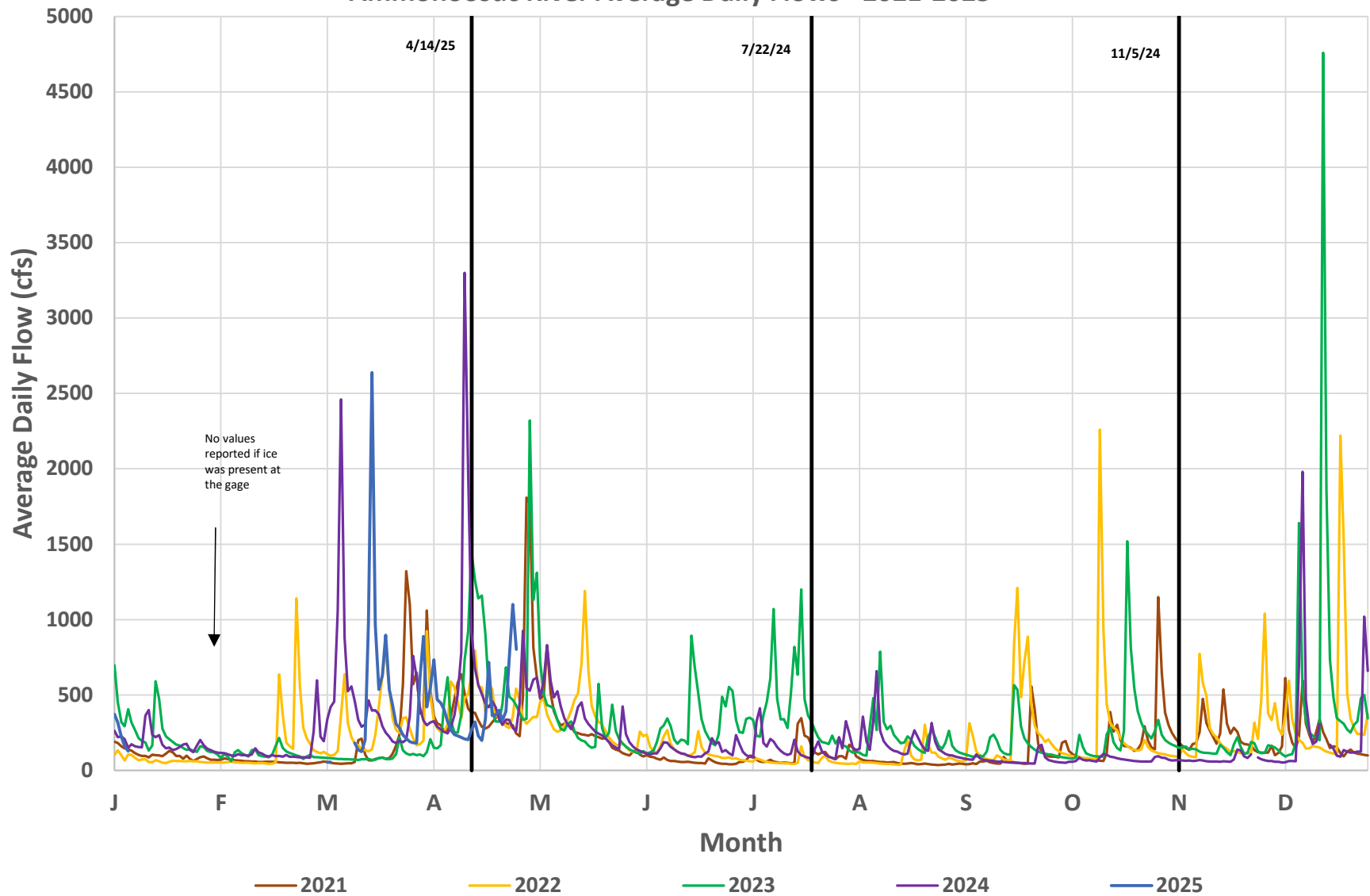


Figure G.2
Ammonoosuc River Average Daily Flows - 2021-2025



Data recorded at USGS gage 01137500 Ammonoosuc River at Bethlehem Junction, NH https://waterdata.usgs.gov/nwis/uv?site_no=01137500;
some 2024/2025 data from USGS are provisional and subject to revision; Accessed April 29, 2025