

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



December 2023 Groundwater Sampling Data Transmittal
Rye Municipal Landfill
Breakfast Hill Road
Rye, NH 03870

NHDES Site #: 198705029 Project Type: LAND/UNLN Project Number: 0000225

Prepared For:
Town of Rye
10 Central Road
Rye, NH 03870
Phone Number (603) 964-5523
RP Contact Name: Matt Scruton

RP Contact Email: mscruton@town.rye.nh.us

Prepared By: CMA Engineers, Inc. 35 Bow Street Portsmouth, NH 03801

Phone Number: (603) 817-4716 Contact Name: Jodie Bray Strickland, P.E. Contact Email: jstrickland@cmaengineers.com

Date of Report: January 24, 2024

www.des.nh.gov



Groundwater Monitoring Report Cover Sheet



Site Name: Rye Municipal Landfill, Breakfast Hill Road
Town: Rye
Permit #: GWP-198705029-R-006
Type of Submittal (Check all that apply)
Periodic Summary Report (<i>year</i>): Data Submittal (<i>month and year per Condition #7 of Permit</i>): December 2023
Check each box where the answer to any of the following questions is "YES" Sampling Results During the most recent monitoring event, were any new compounds detected at any sampling point? Well/Compound: Are there any detections of contamination in drinking water that is untreated prior to use? Well/Compound:
☐ Do compounds detected exceed AGQS? ☐ Was free product detected for the <i>first time</i> in any monitoring point?
Surface Water (visible sheen) Groundwater (1/8" or greater thickness) Location/Thickness:
Contaminant Trends
Do sampling results show an increasing concentration trend in any source area monitoring well?Well/Compound:
Do sampling results indicate an AGQS violation in any of the GMZ boundary wells? Well/Compound:
Recommendations
Does the report include any recommendations requiring DES action? (Do not check this box if the only recommendation is to continue with existing permit conditions.)
This form is to be completed for groundwater monitoring data submittals and periodic summary reports submitted to the New Hampshire Department of Environmental Services Waste Management Division.



CMA ENGINEERS, INC. CIVIL | ENVIRONMENTAL | STRUCTURAL

35 Bow Street Portsmouth, New Hampshire 03801-3819

> P: 603|431|6196 www.cmaengineers.com

January 24, 2024

Groundwater Permits Coordinator New Hampshire Department of Environmental Services 29 Hazen Drive, P.O. Box 95 Concord, New Hampshire 03302-0095

RE: November 2023 Groundwater Results - GWP-198705029-R-006 Rye Municipal Landfill, Breakfast Hill Road CMA #527

Dear Coordinator:

Please find enclosed the groundwater monitoring results from the November 2023 water quality sampling event at the **Rye Municipal Landfill** on Breakfast Hill Road in Rye, NH. The sampling was conducted on December 1, 2023, in accordance with the above referenced Groundwater Management Permit for the landfill. We note that the groundwater management permit has expired, and the permit renewal application was submitted to NHDES in October 2023.

Sampling and analyses were conducted by Eastern Analytical Inc. (EAI) of Concord, NH. Analyses of per- and polyfluoroalkyl substances (PFAS) were conducted by Enthalpy Analytical of El Dorado, CA.

Inorganic indicators (including pH, specific conductance, chloride, nitrate, TKN, iron and manganese) and static water level were measured at wells MW-1A, MW-4A, MW-6A, MW-7B and MW-10. Groundwater results from all wells are generally consistent with previous sampling events.

Manganese concentrations detected exceeded the ambient groundwater quality standard (AGQS) of 0.3 mg/L at wells MW-4A (10 mg/L), MW-6A (2.3 mg/L), MW-7B (2.3 mg/L) and MW-10 (1.8 mg/L). These concentrations remain within historically detected ranges.

Chloride decreased at MW-1 (150 mg/L) from a high (550 mg/L) in 2022. The concentration in 2023 was consistent with previous sampling events. Specific conductance also decreased at MW-1 from a high in 2002 to a level more consistent with historical data. Iron was detected at all wells except MW-1A. Concentrations fluctuate without evidence of trends. TKN is detected consistently at MW-4A, MW-6A and MW-10 but was below detection at MW-10 in 2023. Nitrate is detected at MW-1A regularly and intermittently at MW-4a, MW-6A and MW-10. Concentrations fluctuate at all locations. The concentration detected at MW-10 (4.5 mg/L) was significantly higher than previously detected. The AGQS for nitrate is 10 mg/L. We would note that a multi-unit residential septic system was recently constructed near and



potentially up- or side- gradient of MW-10. Whether that septic system affects water quality in MW-10 is not clear but remains to be observed in future monitoring results.

Annual sampling of per- and polyfluoroalkyl substances (PFAS) was conducted at MW-1A, MW-4A, MW-6A, MW-10 and the two private water supply wells. The November 2023 results for the four PFAS compounds with AGOS are summarized below:

Well Location	Perfluorohexane sulfonate (PFHxS)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorooctane- sulfonic acid (PFOS)
AGQS	18	12	11	15
MW-1A	<1.96	<1.96	<1.96	<1.96
MW-4A	<2.01	23.9	<2.01	23.0
MW-6A	8.48	65.0	<2.00	10.8
MW-10	5.46	20.0	<1.96	6.42
296 Lafayette Rd	<1.98	5.80	<1.98	<1.98
6 Random Road	<1.97	<1.97	<1.97	<1.97

Bold numbers indicate detections. Shaded values are AGQS exceedances.

PFAS AGQS exceedances include PFOA at MW-4A, MW-6A and MW-, and PFOS at MW-4A as shown in the preceding table. There were other unregulated PFAS detected at all locations except 6 Random Road. We note that PFOA was detected at a low concentration of 5.80 ng/L at the water supply well at 296 Lafayette Road, below the AGQS of 12 ng/L. There were other unregulated PFAS detected at 296 Lafayette Road. All PFAS were below detection at 6 Random Road. Transmittal of the results to the water supply well owners was under separate cover and is attached.

We have attached the laboratory data and groundwater summary data tables for the past five years of sampling.

Very sincerely yours,

CMA ENGINEERS, INC.

Jodie Bray Strickland, P.E.

Project Manager

ATTACHMENTS

- Water Quality Summary Tables 2019-2023
- Laboratory Data December 1, 2023
- Water supply well results notifications



Breakfast Hill Landfill

Town of Rye, New Hampshire

Table 1 - Groundwater Table Elevations

Groundwater Management Permit # GWP-198705029-R-006

Well	Date	Elevation	Depth to	Water
Number	Dute	Lievation	Water	Table
MW-1A		97.00		
171	11/08/19	37.00	15.37	81.63
	11/04/20	1	16.89	80.11
	11/29/21	1	14.58	82.42
	11/18/22		14.90	82.10
	12/01/23		14.54	82.46
MW-4A		88.50		
1717 -121	11/08/19	00.50	17.90	70.60
	11/04/20	1	18.94	69.56
	11/29/21	1	17.76	70.74
	11/18/22		17.67	70.83
	12/01/23		17.96	70.54
MW-6A		101.30		
	11/08/19	li i	37.64	63.66
	11/04/20		38.70	62.60
	11/29/21		34.36	66.94
	11/18/22		37.84	63.46
	12/01/23		35.60	65.70
MW-7B		111.58		
	11/08/19		45.08	66.50
	11/04/20		45.55	66.03
	11/29/21		43.03	68.55
	11/18/22		45.30	66.28
	12/01/23		43.85	67.73
MW-10		87.87		
	11/08/19		28.43	59.44
	11/04/20		28.91	58.96
	11/29/21		26.25	61.62
	11/18/22		28.42	59.45

Breakfast Hill Landfill Town of Rye, New Hampshire

Table 2 - Inorganic Parameter and Metal Sampling Groundwater Management Permit #GWP-198705029-R-006

Well Number	Date	pН	Specific Conductance	Iron	Manganese ³	Chloride	Nitrate	TKN
	NH AGQS	NS	NS	NS	0.3 mg/L	NS	10 mg/L	NS
	SMCL/RCMP	NS	NS	0.3 mg/L	0.05 mg/L	250 mg/L	NS	NS
MW-1A								
	11/08/19	5.87	900	< 0.05	< 0.005	200	1.1	< 0.5
	11/04/20	6.06	870	< 0.05	< 0.005	180	0.85	< 0.5
	11/29/21	5.95	550	< 0.05	0.076	120	< 0.5	< 0.5
	11/18/22	5.95	2200	< 0.05	< 0.005	550	0.8	1.1
	12/01/23	5.97	670	< 0.05	< 0.005	150	0.53	< 0.5
MW-4A								
	11/08/19	5.91	410	6.8	12	51	< 0.5	1.5
	11/04/20	5.83	520	2.9	9.9	110	0.81	0.50
	11/29/21	6.02	320	5.0	12	15	< 0.5	0.88
	11/18/22	5.89	520	4.6	8.4	79	0.66	0.64
	12/01/23	6.06	330	6.4	10	15	< 0.5	1.1
MW-6A								
	11/08/19	6.31	1000	6.3	3.1	110	< 0.5	3.1
	11/04/20	6.36	1100	1.4	2.1	110	< 0.5	2.3
	11/29/21	6.33	320	< 0.05	0.19	16	3.5	< 0.5
	11/18/22	6.08	1100	5.9	2.7	120	< 0.5	3.9
	12/01/23	6.40	1100	1.2	2.3	80	0.60	5.4
MW-7B								
	11/08/19	6.39	530	3.6	2.9	20	< 0.5	< 0.5
	11/04/20	6.31	580	5.1	2.9	26	< 0.5	< 0.5
	11/29/21	6.39	530	4.3	3.1	21	< 0.5	< 0.5
	11/18/22	6.04	550	0.82	1.9	17	< 0.5	< 0.5
	12/01/23	6.21	590	2.0	2.3	25	< 0.5	< 0.5
MW-10								
	11/08/19	6.35	1100	3.6	2.8	180	< 0.5	0.68
	11/04/20	6.28	960	4.0	2.4	200	< 0.5	0.57
	11/29/21	6.26	880	5.8	3.1	120	0.56	0.71
	11/18/22	6.07	904	4.1	2.5	160	< 0.5	0.70
	12/01/23	6.31	1100	0.65	1.8	160	4.5	< 0.5

Notes:

AGQS - Ambient Groundwater Quality Standards

RCMP - Risk Characterization Management Policy, effective 4/01.

SMCL - Secondary Maximum Contaminant Level

"<" indicates that the parameter was not detected above the analytical limit.

Bold figures are detected concentrations and shaded figures are exceedances of applicable limits.

527H2O - BH.xlsx - 7/25/02 1 of 1

Rye Municipal Landfill Table 3-Summary of PFAs Detected in Water Samples Groundwater Management Permit #GWP-198705029-R-006 All concentrations given in nanograms per liter (ng/L)

	1	All	concentra	tions given ir	nanograms	per liter (n	g/L)	1			
DATE	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorobutane sulfonic acid (PFBS)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perflurohexane sulfonate (PFHxS)	Perfluorooctanoic acid (PFOA)	Perfluoronanoic acid (PFNA)	Perfluorooctane sulfonic acid (PFOS)	TOTAL (PFOA & PFOS)	6:2 Fluorotelomer sulfonate
CAS#	375-22-4	2706-90-3	375-73-5	307-24-4	375-85-9	355-46-4	335-67-1	375-95-1	1763-23-1	-	
G NW 4 GOG	210	NG	NG	NG	NG	1	1	1	1		270
Current NH AGQS	NS	NS	NS	NS	NS	18 1	12 1	11 1	15 1	*	NS
MW-1A											
05/24/17	<7.1	<3.6	<3.6	<3.6	<3.6	<3.6	3.3	<3.6	5.8	9.1	-
11/20/17 11/21/18	6.16 <4.59	5.43 <4.59	<4.40 <4.59	<4.40 <4.59	<4.40 <4.59	<4.40 <4.59	7.02 <4.59	<4.40 <4.59	6.00 <4.59	13.02 ND	-
11/08/19	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	6.75	*	-
11/04/20	<4.56	<4.56	<4.56	<4.56	<4.56	<4.56	<4.56	<4.56	4.73	*	-
11/29/21	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	2.26	<1.91	3.24	*	-
11/18/22	2.41	< 2.03	< 2.03	<2.03	< 2.03	< 2.03	2.95	<2.03	2.74	*	-
12/01/23	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	*	-
MW-4A			_								
05/24/17	<6.9	6.1	<3.4	12	6.4	4.9	46	<3.4	36	82	-
11/20/17 11/21/18	<4.61 4.86	<4.61 5.56	<4.61 <4.38	<4.61 6.68	<4.61 <4.38	<4.61 <4.38	19.6 25.4	<4.61 <4.38	26.8 25.9	46.4 51.3	-
11/21/18	<4.49	<4.49	<4.49	<4.49	<4.38	<4.49	21.8	<4.38 <4.49	25.9	*	-
11/04/20	<4.51	<4.51	<4.51	<4.51	<4.51	<4.51	6.05	<4.51	10.2	*	-
11/29/21	4.57	6.50	<1.99	7.39	4.39	2.12	28.0	<1.99	19.0	*	-
11/18/22	2.83	< 2.06	< 2.06	<2.06	< 2.06	<2.06	7.93	<2.06	13.1	*	-
12/01/23	4.01	4.36	<2.01	5.06	3.22	<2.01	23.9	<2.01	23.0	*	-
MW-6A 05/24/17	<7.1	<3.6	<3.6	8.5	13	5.2	67	<3.6	7.0	74.0	
11/20/17	9.16	12.9	<4.24	20.3	14.0	8.3	66.1	<4.24	6.86	72.96	-
11/21/18	9.44	9.16	<4.33	14.7	9.71	5.76	46.0	<4.33	34.2	80.2	-
11/08/19	10.2	15.5	<4.38	19.7	11.6	6.21	47.1	<4.38	<4.38	*	-
11/04/20 11/29/21	8.4	12.9	<4.54	17.3	10.0	6.92 4.47	45.0	<4.54 <1.90	9.1 <1.90	*	-
11/18/22	5.8 12.0	9.1 15.5	2.16	8.9 20.1	9.3 10.8	6.12	90.1	<1.90	8.75	*	-
12/01/23	9.1	12.9	<2.00	17.0	11.4	8.48	65.0	<2.00	10.8	*	-
MW-7B 05/24/17	8.4	9.0	<3.6	14	7.3	14	22	<3.6	<3.6	22	
11/20/17	5.22	9.81	<4.39	11.5	7.1	8.7	17.1	<4.39	<4.39	17.1	-
					·						
MW-10											
05/24/17 11/20/17	9.9 <4.62	8.8 <4.62	<3.6 <4.62	14 <4.62	9.3 <4.62	7.7 <4.62	45 13.6	<3.6 <4.62	23 4.66	68 18.26	-
11/21/18	7.08	11.6	<4.43	12.9	7.55	7.90	36.8	<4.43	13.3	50.1	-
11/08/19	<4.39	4.55	<4.39	5.73	4.99	6.04	21.2	<4.39	<4.39	*	-
11/04/20	<4.48	<4.48	<4.48	<4.48	<4.48	<4.48	9.3	<4.48	<4.48	*	-
11/29/21 11/18/22	6.24 4.04	9.99 4.44	1.97 2.51	12.5 4.23	7.89 3.25	7.35 4.84	39.9 15.8	<1.94 <2.08	10.3 5.76	*	-
12/01/23	3.59	4.02	3.34	5.34	3.90	5.46	20.0	<1.96	6.42	*	
1017											
296 Lafayette Road 09/19/17	<4.34	<4.34	<4.34	<4.34	<4.34	<4.34	<4.34	<4.34	<4.34	ND	_
11/21/18	<4.34	<4.34	<4.32	<4.34	<4.34	<4.32	5.10	<4.32	<4.34	5.10	-
11/08/19	<4.09	<4.09	<4.09	<4.09	<4.09	<4.09	4.48	<4.09	<4.09	*	-
11/04/20	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	<4.37	*	-
11/29/21 11/18/22	1.98 2.04	2.66	3.04	2.41	2.04 <2.04	<1.97	6.54	<1.97 <2.04	<1.97 <2.04	*	-
12/01/23	<1.98	2.66	3.57	2.10	<1.98	<1.98	5.80	<1.98	<1.98	*	-
6 Random Road	-0.2	-2.2		-4.4	-4.5	10		-2.2	2.	22.5	2.
10/25/16 09/19/17	<9.3 <4.35	<4.6 <4.35	<4.6 <4.35	<4.6 <4.35	<4.6 <4.35	18 <4.35	7.7 <4.35	<4.6 <4.35	26 <4.35	33.7 ND	21
11/21/18	<4.18	<4.18	<4.18	<4.18	<4.18	<4.18	<4.18	<4.18	<4.18	ND	- 1
12/01/24	<4.33	<4.33	<4.33	<4.33	<4.33	<4.33	<4.33	<4.33	<4.33	*	-
11/04/20	<4.50	<4.50	<4.50	<4.50	<4.50	<4.50	<4.50	<4.50	8.91	*	-
04/09/21 11/29/21	<4.05 <1.97	<4.05 <1.97	<4.05 <1.97	<4.05 <1.97	<4.05 <1.97	<4.05 <1.97	<4.05 <1.97	<4.05 <1.97	<4.05 <1.97	*	-
11/18/22	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	*	-
12/01/23	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	<1.97	*	-
0 Da-J D											
8 Random Road 06/02/23	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	2.35	<1.98	<1.98	-	_
00.02.23	11.70	-1.70	-2170	-1.70	11.70	11.70	2.00	-1.70	11.70		
NOTE:	ACOS A										

Craig Musselman
CMA Engineers, Inc. (Portsmouth)
35 Bow Street
Portsmouth, NH 03801-3819



Laboratory Report for:

Eastern Analytical, Inc. ID: 270849

Client Identification: Rye - Breakfast Hill LF

Date Received: 12/1/2023

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

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

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

: "less than" followed by the reporting limit

> : "greater than" followed by the reporting limit

%R: % Recovery

Certifications:

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

References:

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

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

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

Sincerely,

Lorraine Olashaw, Lab Director

12.22.23



SAMPLE CONDITIONS PAGE

EAIID#: 270849

Client: CMA Engineers, Inc. (Portsmouth)
Client Designation: Rye - Breakfast Hill LF

Temperature upon receipt (°C): 3.8

Acceptable temperature range (°C): 0-6

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

Lab ID	Sample ID	Date Received	Date/Time Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
270849.01	MW-1A	12/1/23	12/1/23 13:1	3 aqueous		Adheres to Sample Acceptance Policy
270849.02	MW-4A	12/1/23	12/1/23 13:0	6 aqueous		Adheres to Sample Acceptance Policy
270849.03	MW-6A	12/1/23	12/1/23 11:4	3 aqueous		Adheres to Sample Acceptance Policy
270849.04	MW-7B	12/1/23	12/1/23 11:5	5 aqueous		Adheres to Sample Acceptance Policy
270849.05	MVV-10	12/1/23	12/1/23 12:2	2 aqueous		Adheres to Sample Acceptance Policy
270849.06	6 Random Rd	12/1/23	12/1/23 12:4	2 aqueous		Adheres to Sample Acceptance Policy
270849.07	296 Lafayette Rd	12/1/23	12/1/23 13:3	7 aqueous		Adheres to Sample Acceptance Policy

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

Unless otherwise noted:

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



LABORATORY REPORT

EAI ID#: 270849

Client: CMA Engineers, Inc. (Portsmouth)
Client Designation: Rye - Breakfast Hill LF

Sample ID:	MW-1A	MW-4A	MW-6A	MW-7B					0.000.000.000.000.000
Lab Sample ID:	270849.01	270849.02	270849.03	270849.04			•		
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	12/1/23	12/1/23	12/1/23	12/1/23		۸na	lvsis		
Date Received:	12/1/23	12/1/23	12/1/23	12/1/23	Units	Date	Time	Method A	nalyst
Chloride	150	15	80	25	mg/L	12/01/23	17:03	4500CIE-11	ALS
Nitrate-N	0.53	< 0.5	0.60	< 0.5	mg/L	12/01/23	16:56	353.2	ALS
TKN	< 0.5	1.1	5.4	< 0.5	mg/L	12/08/23	12:51	4500N _{org} C/NH3	D GRS

Sample ID:

MW-10

 Lab Sample ID:
 270849.05

 Matrix:
 aqueous

 Date Sampled:
 12/1/23

 Date Received:
 12/1/23

 Chloride
 160

 Nitrate-N
 4.5

 TKN
 < 0.5</td>

 Analysis

 Units
 Date
 Time
 Method
 Analyst

 mg/L
 12/01/23
 17:03
 4500CIE-11
 ALS

 mg/L
 12/01/23
 17:01
 353.2
 ALS

 mg/L
 12/08/23
 13:02
 4500N_{org} C/NH3D GRS



LABORATORY REPORT

EAI ID#: 270849

Client: CMA Engineers, Inc. (Portsmouth) Client Designation: Rye - Breakfast Hill LF

Sample ID:	MW-1A	MW-4A	MW-6A	MW-7B					
Lab Sample ID: Matrix:	270849.01 aqueous	270849.02 aqueous	270849.03 aqueous	270849.04 aqueous					
Date Sampled: Date Received:	12/1/23 12/1/23	12/1/23 12/1/23	12/1/23 12/1/23	12/1/23 12/1/23	Analytical Matrix	Units	Date of Analysis	Method	Analyst
Iron Manganese	< 0.05 < 0.005	6.4 10	1.2 2.3	2.0 2.3	AqDis AqDis	mg/L mg/L	12/5/23 12/5/23	200.8 200.8	DS DS

Sample ID:

MW-10

Lab Sample ID:

270849.05

Matrix:

aqueous

Date Sampled: **Date Received:**

12/1/23 12/1/23

Iron Manganese

0.65 1.8 Analytical Matrix

Date of **Analysis**

Method Analyst 200.8 DS

DS

AqDis mg/L AqDis

mg/L

Units

12/5/23 12/5/23 200.8



LABORATORY REPORT

EAI ID#: 270849

Client: CMA Engineers, Inc. (Portsmouth)
Client Designation: Rye - Breakfast Hill LF

Sample ID:	MW-1A	MW-4A	MW-6A	MW-7B		
Lab Sample ID:	270849.01	270849.02	270849.03	270849.04		
Matrix:	aqueous	aqueous	aqueous	aqueous		
Date Sampled:	12/1/23	12/1/23	12/1/23	12/1/23		Date of
ı					Units	Analysis Method Analyst
Static Water Level	14.54	17.96	35.60	43.85	ft	12/1/23 FieldStatic TNC
Field pH	5.97	6.06	6.40	6.21	SU	12/1/23 SM4500H TNC
Field Specific Conductance	670	330	1100	590	uS/cm	12/1/23 SM2510B TNC

Sample ID:

MW-10

Lab Sample ID:270849.05Matrix:aqueousDate Sampled:12/1/23

Date Sampled:	12/1/23	Date of Units Analysis M	lethod Analyst
Static Water Level	26.91	ft 12/1/23 F	ieldStatic TNC
Field pH	6.31	SU 12/1/23 S	SM4500H TNC
Field Specific Conductance	1100	uS/cm 12/1/23 S	SM2510B TNC



December 19, 2023

Enthalpy Analytical - El Dorado Hills Work Order No. 2312023

Ms. Jennifer Laramie Eastern Analytical, Inc. 51 Antrim Avenue Concord, NH 03301

Dear Ms. Laramie,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on December 05, 2023 under your Project Name '270849 NH 104'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at rajwinder.kaur@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

Rajwinder Kaur

Zajerieles Kon

Project Manager

Enthalpy Analytical -EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical -EDH.

Enthalpy Analytical - EDH Work Order No. 2312023 Case Narrative

Sample Condition on Receipt:

Six aqueous samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the recommended temperature requirements.

Analytical Notes:

PFAS Isotope Dilution/LC-MSMS Method Compliant with Table B-15 of DoD QSM 5.4 (Aqueous)

Sample "MW-10" contained particulate and was centrifuged prior to extraction.

The samples were extracted and analyzed for a selected list of PFAS using Isotope Dilution and LC-MS/MS compliant with Table B-15 of DoD QSM 5.4. The results for PFHxS, PFOA, PFOS include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 the Reporting Limits (RL). The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries for all QC and field samples were within the acceptance criteria.

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Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2312023-01	MW-1A	01-Dec-23 13:13	05-Dec-23 10:58	Polypropylene, 250mL
				Polypropylene, 250mL
2312023-02	MW-4A	01-Dec-23 13:06	05-Dec-23 10:58	Polypropylene, 250mL
				Polypropylene, 250mL
2312023-03	MW-6A	01-Dec-23 11:43	05-Dec-23 10:58	Polypropylene, 250mL
				Polypropylene, 250mL
2312023-04	MVV-10	01-Dec-23 12:22	05-Dec-23 10:58	Polypropylene, 250mL
				Polypropylene, 250mL
2312023-05	6 Random Rd	01-Dec-23 12:42	05-Dec-23 10:58	Polypropylene, 250mL
				Polypropylene, 250mL
2312023-06	296 Lafayette Rd	01-Dec-23 13:37	05-Dec-23 10:58	Polypropylene, 250mL
				Polypropylene, 250mL

ANALYTICAL RESULTS



Sample ID: Method Blank											oe Dilution Tab	ole B-15
Client Data					L	aboratory D	ata					
	Eastern Analytical, Inc. 270849 NH 104		Matrix:	Aqueous	L	ab Sample:		B23L050-	BLK1	Column:	BEH C18	
Analyte	CA	AS Number	Conc. (ng/L)		RI.	Qualif	iers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA		375-22-4	ND		2.00)		B23L050	12-Dec-23	0.250 L	14-Dec-23 04:39	1
PFPeA	2	2706-90-3	ND		2.00)		B23L050	12-Dec-23	0.250 L	14-Dec-23 04:39) 1
PFBS		375-73-5	ND		2.00)		B23L050	12-Dec-23	0.250 L	14-Dec-23 04:39) 1
PFHxA		307-24-4	ND		2.00)		B23L050	12-Dec-23	0.250 L	14-Dec-23 04:39) 1
PFHpA		375-85-9	ND		2.00)		B23L050	12-Dec-23	0.250 L	14-Dec-23 04:39) 1
PFHxS		355-46-4	ND		2.00)		B23L050	12-Dec-23	0.250 L	14-Dec-23 04:39) 1
PFOA		335-67-1	ND		2.00)		B23L050	12-Dec-23	0.250 L	14-Dec-23 04:39) 1
PFNA		375-95-1	ND		2.00)		B23L050	12-Dec-23	0.250 L	14-Dec-23 04:39	1
PFOS		1763-23-1	ND		2.00)		B23L050	12-Dec-23	0.250 L	14-Dec-23 04:39) 1
Labeled Standards	1	Туре	% Recovery	Limits		Qualif	iers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA		IS	81.0	50 - 1:	50			B23L050	12-Dec-23	0.250 L	14-Dec-23 04:39	1
13C3-PFPeA		IS	81.2	50 - 1:	50			B23L050	12-Dec-23	0.250 L	14-Dec-23 04:39) 1
13C3-PFBS		IS	84.4	50 - 1:	50			B23L050	12-Dec-23	0.250 L	14-Dec-23 04:39	1
13C2-PFHxA		IS	83.6	50 - 1:	50			B23L050	12-Dec-23	0.250 L	14-Dec-23 04:39) 1
13C4-PFHpA	• •	IS	80.8	50 - 13				B23L050	12-Dec-23	0.250 L	14-Dec-23 04:39) 1
13C3-PFHxS		IS	86.9	50 - 1:				B23L050	12-Dec-23	0.250 L	14-Dec-23 04:39) 1
13C2-PFOA		IS	88.0	50 - 1:	50			B23L050	12-Dec-23	0.250 L	14-Dec-23 04:39) 1
13C5-PFNA		IS	82.3	50 - 1:				B23L050	12-Dec-23	0.250 L	14-Dec-23 04:39) 1
13C8-PFOS		IS	79.2	50 - 1:	50			B23L050	12-Dec-23	0.250 L	14-Dec-23 04:39) 1

Results reported to RL.



Sample ID: OPR PFAS Isotope Dilution Table B-15											
Client Data]	Laboratory Data	1				
Name: Project:	Eastern Analytical, Inc. 270849 NH 104	Matrix:	Aqueous			Lab Sample:	B23L050	-BS1	Column:	ВЕН С18	
Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	42.8	40.0	107	73 - 12	9	B23L050	12-Dec-23	0.250 L	14-Dec-23 04:49	1
PFPeA	2706-90-3	43.2	40.0	108	72 - 12	.9	B23L050	12-Dec-23	0.250 L	14-Dec-23 04:49	1
PFBS	375-73-5	40.7	40.0	102	72 - 13	0	B23L050	12-Dec-23	0.250 L	14-Dec-23 04:49	1
PFHxA	307-24-4	42.7	40.0	107	72 - 12	.9	B23L050	12-Dec-23	0.250 L	14-Dec-23 04:49	1
PFHpA	375-85-9	43.5	40.0	109	72 - 13	0	B23L050	12-Dec-23	0.250 L	14-Dec-23 04:49	1
PFHxS	355-46-4	42.3	40.0	106	68 - 13	1	B23L050	12-Dec-23	0.250 L	14-Dec-23 04:49	1
PFOA	335-67-1	43.4	40.0	108	71 - 13	3	B23L050	12-Dec-23	0.250 L	14-Dec-23 04:49	1
PFNA	375-95-1	43.2	40.0	108	69 - 13	0	B23L050	12-Dec-23	0.250 L	14-Dec-23 04:49	1
PFOS	1763-23-1	41.4	40.0	104	65 - 14	0.	B23L050	12-Dec-23	0.250 L	14-Dec-23 04:49	1
Labeled Standard	ls	Туре		% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA		IS		85.3	50 - 1	50	B23L050	12-Dec-23	0.250 L	14-Dec-23 04:49	1
13C3-PFPeA		IS		86.2	50 - 1	50	B23L050	12-Dec-23	0.250 L	14-Dec-23 04:49	1
13C3-PFBS		IS		85.7	50 - 1	50	B23L050	12-Dec-23	0.250 L	14-Dec-23 04:49	1
13C2-PFHxA		IS		88.2	50 - 1	50	B23L050	12-Dec-23	0.250 L	14-Dec-23 04:49	1 .
13C4-PFHpA		IS		87.0	50 - 1	50	B23L050	12-Dec-23	0.250 L	14-Dec-23 04:49	1
13C3-PFHxS		IS		83.5	50 - 1	50	B23L050	12-Dec-23	0.250 L	14-Dec-23 04:49	1
13C2-PFOA		IS		84.3	50 - 1	50	B23L050	12-Dec-23	0.250 L	14-Dec-23 04:49	1
13C5-PFNA	•	IS		85.4	50 - 1	50	B23L050	12-Dec-23	$0.250\mathrm{L}$	14-Dec-23 04:49	
13C8-PFOS		IS		82.3	50 - 1	50	B23L050	12-Dec-23	0.250 L	14-Dec-23 04:49	1

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Sample ID: M	Sample ID: MW-1A PFAS Isotope Dilution Table B-15											
Client Data Name: Project: Location:	Eastern Analytical, Inc 270849 NH 104 270849		Matrix: Date Collected:	Aqueous 01-Dec-23 13:13	Lab	boratory Data Sample: te Received:	2312023-0 05-Dec-23		Column:	BEH C18		
Analyte		CAS Number	Conc. (ng/L)		RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBA		375-22-4	ND ·		1.96		B23L050	12-Dec-23	0.256 L	14-Dec-23 04:59	1	
PFPeA		2706-90-3	ND		1.96		B23L050	12-Dec-23	0.256 L	14-Dec-23 04:59	1	
PFBS		375-73-5	ND		1.96		B23L050	12-Dec-23	0.256 L	14-Dec-23 04:59	1	
PFHxA		307-24-4	ND	•	1.96		B23L050	12-Dec-23	0.256 L	14-Dec-23 04:59	1	
PFHpA	* .	375-85-9	ND		1.96		B23L050	12-Dec-23	0.256 L	14-Dec-23 04:59	1	
PFHxS		355-46-4	ND		1.96		B23L050	12-Dec-23	0.256 L	14-Dec-23 04:59	1	
PFOA		335-67-1	ND		1.96		B23L050	12-Dec-23	0.256 L	14-Dec-23 04:59	-1	
PFNA		375-95-1	ND		1.96		B23L050	12-Dec-23	0.256 L	14-Dec-23 04:59	1	
PFOS		1763-23-1	ND		1.96		B23L050	12-Dec-23	0.256 L	14-Dec-23 04:59	1	
Labeled Standard	ls	Туре	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA		IS	80.1	50 - 150			B23L050	12-Dec-23	0.256 L	14-Dec-23 04:59	1	
13C3-PFPeA		IS	83.3	50 - 150			B23L050	12-Dec-23	0.256 L	14-Dec-23 04:59	1	
13C3-PFBS		IS	80.6	50 - 150			B23L050	12-Dec-23	0.256 L	14-Dec-23 04:59	1	
13C2-PFHxA		IS	84.1	50 - 150			B23L050	12-Dec-23	0.256 L	14-Dec-23 04:59	1	
13C4-PFHpA		IS	83.0	50 - 150			B23L050	12-Dec-23	0.256 L	14-Dec-23 04:59	1	
13C3-PFHxS		IS	84.3	50 - 150			B23L050	12-Dec-23	0.256 L	14-Dec-23 04:59	1	
13C2-PFOA		IS	84.0	50 - 150			B23L050	12-Dec-23	$0.256~\mathrm{L}$	14-Dec-23 04:59	1	
13C5-PFNA		IS	83.5	50 - 150			B23L050	12-Dec-23	0.256 L	14-Dec-23 04:59		
13C8-PFOS		IS	77.4	50 - 150			B23L050	12-Dec-23	0.256 L	14-Dec-23 04:59	1	

Results reported to RL.



Sample ID: N	1W-4A							P	FAS Isotop	e Dilution Tab	le B-15
Client Data Name:	Eastern Analytical, In	c.	Matrix:	Aqueous	ı	boratory Data o Sample:	2312023-0)2	Column:	BEH C18	
Project: Location:	270849 NH 104 270849	•	Date Collected:	01-Dec-23 13:06		te Received:	05-Dec-23 10:58				
Analyte		CAS Number	Conc. (ng/L)		RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA		375-22-4	4.01		2.01		B23L050	12-Dec-23	0.249 L	14-Dec-23 05:10	1
PFPeA		2706-90-3	4.36		2.01		B23L050	12-Dec-23	0.249 L	14-Dec-23 05:10	1
PFBS		375-73-5	ND		2.01	•	B23L050	12-Dec-23	0.249 L	14-Dec-23 05:10	1
PFHxA	•	307-24-4	5.06		2.01		B23L050	12-Dec-23	0.249 L	14-Dec-23 05:10	1
PFHpA		375-85-9	3.22		2.01		B23L050	12-Dec-23	0.249 L	14-Dec-23 05:10	1
PFHxS		355-46-4	ND		2.01		B23L050	12-Dec-23	0.249 L	14-Dec-23 05:10	1
PFOA		335-67-1	23.9		2.01		B23L050	12-Dec-23	0.249 L	14-Dec-23 05:10	1
PFNA		375-95-1	ND		2.01		B23L050	12-Dec-23	0.249 L	14-Dec-23 05:10	1
PFOS		1763-23-1	23.0		2.01		B23L050	12-Dec-23	0.249 L	14-Dec-23 05:10	1
Labeled Standa	rds	Туре	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA		IS	88.5	50 - 150			B23L050	12-Dec-23	0.249 L	14-Dec-23 05:10	1
13C3-PFPeA		IS	94.0	50 - 150			B23L050	12-Dec-23	0.249 L	14-Dec-23 05:10	1
13C3-PFBS		IS	92.8	50 - 150			B23L050	12-Dec-23	0.249 L	14-Dec-23 05:10	1
13C2-PFHxA		IS	91.9	50 - 150			B23L050	12-Dec-23	0.249 L	14-Dec-23 05:10	1
13C4-PFHpA		IS	92.4	50 - 150			B23L050	12-Dec-23	0.249 L	14-Dec-23 05:10	1
13C3-PFHxS		IS	93.7	50 - 150			B23L050	12-Dec-23	0.249 L	14-Dec-23 05:10	1
13C2-PFOA		IS	92.8	50 - 150			B23L050	12-Dec-23	0.249 L	14-Dec-23 05:10	1
13C5-PFNA		IS	93.4	50 - 150			B23L050	12-Dec-23	0.249 L	14-Dec-23 05:10	1
13C8-PFOS		IS	90.1	50 - 150			B23L050	12-Dec-23	0.249 L	14-Dec-23 05:10	1

Results reported to RL.



Sample ID: M	ample ID: MW-6A PFAS Isotope Dilution Table B-15											
Client Data Name: Project: Location:	Eastern Analytical, Inc 270849 NH 104 270849	·.	Matrix: Date Collected:	Aqueous 01-Dec-23 11:43	Lab	poratory Data Sample: Received:	2312023-0 05-Dec-23		Column:	BEH C18		
Analyte		CAS Number	Conc. (ng/L)		RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBA		375-22-4	9.05		2.00		B23L050	12-Dec-23	0.251 L	14-Dec-23 05:20	1	
PFPeA		2706-90-3	12.9		2.00		B23L050	12-Dec-23	0.251 L	14-Dec-23 05:20	1	
PFBS		375-73-5	ND		2.00		B23L050	12-Dec-23	0.251 L	14-Dec-23 05:20	1	
PFHxA		307-24-4	17.0		2.00		B23L050	12-Dec-23	0.251 L	14-Dec-23 05:20	1	
PFHpA		375-85-9	11.4		2.00		B23L050	12-Dec-23	0.251 L	14-Dec-23 05:20	1	
PFHxS		355-46-4	8.48		2.00		B23L050	12-Dec-23	0.251 L	14-Dec-23 05:20	1	
PFOA		335-67-1	65.0		2.00	-	B23L050	12-Dec-23	0.251 L	14-Dec-23 05:20	1	
PFNA		375-95-1	ND		2.00		B23L050	12-Dec-23	0.251 L	14-Dec-23 05:20	1	
PFOS		1763-23-1	10.8	_	2.00		B23L050	12-Dec-23	0.251 L	14-Dec-23 05:20	1	
Labeled Standar	·ds	Туре	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA		IS	79.6	50 - 150			B23L050	12-Dec-23	0.251 L	14-Dec-23 05:20	1	
13C3-PFPeA		IS	88.4	50 - 150			B23L050	12-Dec-23	0.251 L	14-Dec-23 05:20	1	
13C3-PFBS		IS	89.4	50 - 150			B23L050	12-Dec-23	0.251 L	14-Dec-23 05:20	1	
13C2-PFHxA		IS	90.3	50 - 150			B23L050	12-Dec-23	0.251 L	14-Dec-23 05:20	1	
13C4-PFHpA		IS	88.2	50 - 150			B23L050	12-Dec-23	0.251 L	14-Dec-23 05:20	1	
13C3-PFHxS		IS	89.0	50 - 150			B23L050	12-Dec-23	$0.251~\mathrm{L}$	14-Dec-23 05:20	1	
13C2-PFOA		IS	89.8	50 - 150			B23L050	12-Dec-23	0.251 L	14-Dec-23 05:20	1	
13C5-PFNA		IS	90.4	50 - 150			B23L050	12-Dec-23	0.251 L	14-Dec-23 05:20		
13C8-PFOS		IS	86.6	50 - 150			B23L050	12-Dec-23	0.251 L	14-Dec-23 05:20	1	

Results reported to RL.



Sample ID: MW-10 PFAS Isotope Dilution Table B											ole B-15
Client Data					L	aboratory Data					
Name:	Eastern Analytical, Inc).	Matrix:	Aqueous	La	ab Sample:	2312023-0)4	Column:	BEH C18	
Project:	270849 NH 104		Date Collected:	01-Dec-23 12:22		ate Received:	05-Dec-23	3 10:58	- V 1	DEAT CIO	
Location:	270849										
Analyte		CAS Number	Conc. (ng/L)		RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA		375-22-4	3.59		1.96		B23L050	12-Dec-23	0.255 L	14-Dec-23 05:30	1
PFPeA		2706-90-3	4.02		1.96		B23L050	12-Dec-23	0.255 L	14-Dec-23 05:30	1
PFBS		375-73-5	3.34		1.96		B23L050	12-Dec-23	0.255 L	14-Dec-23 05:30	1
PFHxA		307-24-4	5.34		1.96		B23L050	12-Dec-23	0.255 L	14-Dec-23 05:30	1
PFHpA		375-85-9	3.90		1.96		B23L050	12-Dec-23	0.255 L	14-Dec-23 05:30	1
PFHxS		355-46-4	5.46		1.96		B23L050	12-Dec-23	0.255 L	14-Dec-23 05:30	1
PFOA		335-67-1	20.0		1.96	•	B23L050	12-Dec-23	0.255 L	14-Dec-23 05:30	1
PFNA		375-95-1	ND		1.96		B23L050	12-Dec-23	0.255 L	14-Dec-23 05:30	1
PFOS		1763-23-1	6.42		1.96		B23L050	12-Dec-23	0.255 L	14-Dec-23 05:30	1
Labeled Standar	ds	Туре	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA		IS	86.2	50 - 150			B23L050	12-Dec-23	0.255 L	14-Dec-23 05:30	1
13C3-PFPeA		IS	91.3	50 - 150			B23L050	12-Dec-23	0.255 L	14-Dec-23 05:30	1 1
13C3-PFBS		IS	90.4	50 - 150			B23L050	12-Dec-23	0.255 L	14-Dec-23 05:30	1
13C2-PFHxA		IS	94.1	50 - 150			B23L050	12-Dec-23	0.255 L	14-Dec-23 05:30	1
13C4-PFHpA		IS	93.6	50 - 150			B23L050	12-Dec-23	0.255 L	14-Dec-23 05:30	1
13C3-PFHxS		IS	89.5	50 - 150			B23L050	12-Dec-23	0.255 L	14-Dec-23 05:30	1
13C2-PFOA		IS	95.3	50 - 150			B23L050	12-Dec-23	0.255 L	14-Dec-23 05:30	1
13C5-PFNA		IS	90.4	50 - 150			B23L050	12-Dec-23	0.255 L	14-Dec-23 05:30	1
13C8-PFOS		IS	86.6	50 - 150			B23L050	12-Dec-23	0.255 L	14-Dec-23 05:30	1

Results reported to RL.



Sample ID: 6]	Random Rd							P	FAS Isotop	e Dilution Tab	ole B-15
Client Data					Lal	boratory Data			•		
Name:	Eastern Analytical, Inc		Matrix:	Aqueous	Lab	b Sample:	2312023-0)5	Column:	BEH C18	
Project: Location:	270849 NH 104 270849		Date Collected:	01-Dec-23 12:42	Da	te Received:	05-Dec-23	3 10:58		<u> </u>	
Analyte		CAS Number	Conc. (ng/L)		RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA		375-22-4	ND		1.97		B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
PFPeA		2706-90-3	ND		1.97		B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	. 1
PFBS		375-73-5	ND		1.97		B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
PFHxA		307-24-4	ND		1.97		B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
PFHpA		375-85-9	ND		1.97		B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	. 1
PFHxS		355-46-4	ND		1.97		B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
PFOA		335-67-1	ND		1.97		B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
PFNA		375-95-1	ND		1.97		B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
PFOS		1763-23-1	ND		1.97		B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
Labeled Standard	İs	Туре	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	•	IS	89.2	50 - 150			B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
13C3-PFPeA		IS	93.2	50 - 150			B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
13C3-PFBS		IS	90.6	50 - 150			B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
13C2-PFHxA		IS	95.1	50 - 150			B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
13C4-PFHpA		IS	95.1	50 - 150			B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
13C3-PFHxS		IS	89.9	50 - 150			B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
13C2-PFOA		IS	93.2	50 - 150			B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
13C5-PFNA		IS	92.1	50 - 150			B23L050	12-Dec-23	$0.254~\mathrm{L}$	14-Dec-23 05:41	1
13C8-PFOS		IS	90.0	50 - 150			B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Work Order 2312023 Page 12 of 19



Sample ID: 29	6 Lafayette Rd							P	FAS Isotop	e Dilution Tab	ole B-15
Client Data					Lal	boratory Data					
Name:	Eastern Analytical, Inc.		Matrix:	Aqueous	Lab	Sample:	2312023-0)6	Column:	BEH C18	
Project: Location:	270849 NH 104 270849		Date Collected:	01-Dec-23 13:37	Dat	te Received:	05-Dec-23	3 10:58			
Analyte		CAS Number	Conc. (ng/L)		RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA		375-22-4	ND		1.98		B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
PFPeA		2706-90-3	2.66		1.98		B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
PFBS		375-73-5	3.57		1.98	-	B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
PFHxA		307-24-4	2.41		1.98		B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
PFHpA		375-85-9	ND		1.98		B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
PFHxS		355-46-4	ND		1.98		B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
PFOA		335-67-1	5.80		1.98	•	B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
PFNA		375-95-1	ND		1.98		B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
PFOS		1763-23-1	ND	,	1.98		B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	1 .
Labeled Standard	s	Туре	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA		IS	89.1	50 - 150			B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
13C3-PFPeA		IS	94.3	50 - 150			B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
13C3-PFBS		IS	88.9	·50 - 150			B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
13C2-PFHxA		IS	96.7	50 - 150			B23L050	12-Dec-23	$0.253~\mathrm{L}$	14-Dec-23 05:51	. 1
13C4-PFHpA		IS	91.6	50 - 150			B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
13C3-PFHxS		IS	89.4	50 - 150			B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
13C2-PFOA		IS	92.8	50 - 150			B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
13C5-PFNA		IS	93.6	50 - 150			B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	
13C8-PFOS		IS	87.1	50 - 150	,		B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1

Results reported to RL.

DATA QUALIFIERS & ABBREVIATIONS

B This compound was also detected in the method blank

Conc. Concentration

CRS Cleanup Recovery Standard

D Dilution

DL Detection Limit

E The associated compound concentration exceeded the calibration range of the

instrument

H Recovery and/or RPD was outside laboratory acceptance limits

I Chemical Interference

IS Internal Standard

J The amount detected is below the Reporting Limit/LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

M Estimated Maximum Possible Concentration (CA Region 2 projects only)

MDL Method Detection Limit

NA Not applicable

ND Not Detected

OPR Ongoing Precision and Recovery sample

P The reported concentration may include contribution from chlorinated diphenyl ether(s).

Q The ion transition ratio is outside of the acceptance criteria.

RL Reporting Limit

RL For 537.1, the reported RLs are the MRLs.

TEQ Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the

sample concentrations.

TEQMax TEQ calculation that uses the detection limit as the concentration for non-detects

TEQMin TEQ calculation that uses zero as the concentration for non-detects

TEQRisk TEQ calculation that uses ½ the detection limit as the concentration for non-

detects

U Not Detected (specific projects only)

* See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Enthalpy Analytical - EDH Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
Nevada Division of Environmental Protection	CA00413
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.

CHAIN-OF-CUSTODY RECORD



EAUD# 270849

Page 1

Sample ID	Date Sampled	Matrix	aParameters	2318023	Sample Notes	9
MW-1A	12/1/2023	aqueous	Subcontract - Perfluorinated	l Compounds EPA Method 537mod (9 Co	npounds)	
MW-4A	12/1/2023 13:06	aqueous	Subcontract - Perfluorinated	I Compounds EPA Method 537mod (9 Co	npounds)	
MW-6A	12/1/2023 11:43	aqueous	Subcontract - Perfluorinated	Compounds EPA Method 537mod (9 Co	npounds)	
MW-10	12/1/2023 12:22	aqueous	Subcontract - Perfluorinated	Compounds EPA Method 537mod (9 Co	npounds)	

EALID# 270849

Project State: NH

Project ID: 104

Vista Analytical Laboratory Company

1104 Windfield Way Address

El Dorado Hills, CA 95762 Address

Account #

Phone # (916) 673-1520

Results Needed: Preferred Date: Standard

RUSH Due Date: QC Deliverables

 \boxtimes A \square A+ \square B \square B+ \square C \square MAMCP

Notes about project:

Email login confirmation, pdf of results and invoice to customerservice@easternanalytical.com.

PFAS 537 NHDES 9 compound list.

IPO#:61329

EALID# 270849

Data Deliverable (circle)

Excel NH EMD EQUIS ME EGAD

Call prior to analyzing, if RUSH charges will be applied.

Samples Collected by:

Relinquished by

Date/Time

Received by

Relinquished by

12/05/23 Date/Time

Received by

Eastern Analytical, Inc. 51 Antrim Ave Concord, NH 03301

Phone: (603)228-0525

1-800-287-0525

customerservice@easternadalytical.com

As a subcontract lab to EAI, you will defend, indemnify and hold Eastern Analytical, Inc., its officers, employees, and agents harmless from and against any and all liability, loss, expense or claims for injury or damages arising out of the performance against this chain of custody but only in proportion to and to the extent such liability, loss, expense, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of you as a subcontract lab, your officers, agents or employees Page 16 of 19

CHAIN-OF-CUSTODY RECORD



EAIID# 270849

Page 2

Sample ID	Date Sampled	Matrix	aParameters	23/2023	Sample Notes	. 490 =
6 Random Rd	12/1/2023 12:42	aqueous Sui	bcontract - Perfluorinated Compo	ounds EPA Method 537mod (9 Compounds)	
296 Lafayette Rd	12/1/2023	aqueous Sul	bcontract - Perfluorinated Compo	ounds EPA Method 537mod (9 Compounds)	

EAI ID# 270849

Project State: NH

Project ID: 104

Company Vista Analytical Laboratory

Address 1104 Windfield Way

Address El Dorado Hills, CA 95762

Account#

Phone # (916) 673-1520

Results Needed: Preferred Date: Standard

RUSH Due Date:

QC Deliverables

⊠A □A+ □B □B+ □C □MAMCP

Notes about project:

Email login confirmation, pdf of results and invoice to customerservice@easternanalytical.com.

PFAS 537 NHDES 9 compound list.

PO#:61329

EAI ID# 270849

Data Deliverable (circle)

Excel NH EMD EQUIS ME EGAD

Call prior to analyzing, if RUSH charges will be applied.

Samples Collected by:

Relinquished by

Date/Time

214/23 11000 1105

Received by

Relinquished by

Date/Time

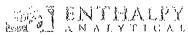
Received by

Eastern Analytical, Inc. 51 Antrim Ave Concord, NH 03301

Phone: (603)228-0525

1-800-287-0525

customerservice@easternanalytical.com



Sample Log	g-In Ch	ecklist	•			Roses	ر ا _{است} یر	' N' Y)	', Y 'l' T	CAU
		2310	2006	2 %	٠.,	Page	#	_ of <u>@</u>	<u> </u>	
Work Order #:		2-3	100	ا مرد د مرا	.101 L	AT	<u> </u>	}		
Samples	Date/Tim	ne		Initials:		Loca	tion:	WR	=2	
Arrival:	12 05	123 1	358	JT		Shel	f/Rack	k: <u>NA</u>		
Delivered By:	FedEx	(UPS)	On Tra	c GLS	DH	-	Hand Deliver		Oth	ner
Preservation:	(lo	œ)	Blı	ie Ice		chni ce	Dry	Ice ·	No	ne
Temp °C: (). Temp °C: ().		P	robe use	ed: Y /N)	Ther	mome	ter ID:	IR-L	<u>+</u>
								YES	NO	NA
Shipping Contain	175. VI 11-1. TI 11-1. TI	11111						/		
Shipping Custody						- COLORED DO SOCIETA		ı		/
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	465	99 Di 0	787	3 17	30	/		
Shipping Docume		7,5						/		
Shipping Contain	ier .	Ent	halpy	Client	R	etain	Re	eturn	Dis	ose
Chain of Custody	/ / Sample	Documen	tation Pr	esent?				1		
Chain of Custody	/ / Sample	Documen	tation Co	mplete?				1		
Holding Time Acc	ceptable?				MAN THE WOODS THE WAY			✓		
Logged In:	Date/Tin	ne		Initials:					5. W	
	ادر ن	1.4/23	12:24	. 162	•	Shel	f/Rack	: A.) , JC	<u>,-4'</u>
COC Anomaly/S	ample Acc	eptance, F	orm com	pleted?		•		<u>.</u> -	/	
Comments:	<i>;</i>		· ·		gi gra	grania San	Α		1	`_

ID.: LR - SLC

Rev No.: 7

Rev Date: 01/02/2023

Page: 1 of 1

CoC/Label Reconciliation Report WO# 2312023

LabNumber	CoC Sample ID		SampleAlias	Sample Dute/Time	Container	BaseMatrix	Sample Comments
2312023-01	A MW-1A	O DT	270849	01-Dec-23 13:13	Polypropylene, 250mL	Aqueous	
2312023-01			270849	01-Dec-23 13:13	Polypropylene, 250mL	Aqueous	
2312023-02	A MW-4A		270849	01-Dec-23 13:06	Polypropylene, 250mL	Aqueous	
2312023-02	B MW-4A		270849	01-Dec-23 13:06	Polypropylene, 250mL	Aqueous	
2312023-03	A MW-6A		270849	01-Dec-23 11:43	Polypropylene, 250mL	Aqueous	
2312023-03	B MW-6A		270849	01-Dec-23 11:43	Polypropylene, 250mL	Aqueous	
2312023-04	A MW-10		270849	01-Dec-23 12:22	Polypropylene, 250mL	Aqueous	
2312023-04	B MW-10		270849	01-Dec-23 12:22	Polypropylene, 250mL	Aqueous	
2312023-05	A 6 Random Rd	2 ′	270849	01-Dec-23 12:42	Polypropylene, 250mL	Aqueous	
2312023-05	B 6 Random Rd	区	270849	01-Dec-23 12:42	Polypropylene, 250mL	Aqueous	
2312023-06	A 296 Lafayette Rd	团	270849	01-Dec-23 13:37	Polypropylene, 250mL	Aqueous	
2312023-06	B 296 Lafayette Rd	2 ′	270849	01-Dec-23 13:37 🔲 🌡	Polypropylene, 250mL	Aqueous	

Checkmarks indicate that information on the COC reconciled with the sample label. Any discrepancies are noted in the following columns.

Preservation Documented: Na2S2O3 (Trizma NH4CH3CO2

Any discrepancies are noted in the following columns.				- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Yes	No	NA	Comments: A) Time and date not listed on sample labor
Sample Container Intact?	-			D~52 partimete
Sample Custody Seals Intact?				*
Adequate Sample Volume?				
Container Type Appropriate for Analysis(es)				

Verifed by/Date: 1/4 12/06/12 Originally labeld and reconciled by JT

Printed: 12/6/2023 4:59:01PM

Page 1 of 1

Page 19 of 19

CHAIN-OF-CUSTODY RECORD

eastern analytical

professional laboratory services

270849

age 25 o<u>t 2</u>6

aSampleID	Date/Time	aMatrix	Parameters	Sample Notes	ອດ # of containers <u>ດ</u>
MW-1A	12/1/23	GW	Field Specific Conductance, Field pH, Chloride, Nitrate, TKN, Dissolved Iron, Manganese, SWL, PFAS 537		5
preservative: HCL €	NO ₃ H ₂ SO ₄ NaOH MEO	H Na ₂ S ₂ O ₃ IC	2		
MW-4A	12/1/23	GW	Field Specific Conductance, Field pH, Chloride, Nitrate, TKN, Dissolved Iron, Manganese, SWL, PFAS 537		5
preservative: HCL H	NO ₃ H ₂ SO→NaOH MEO	H Na₂S₂O₃ ¶Œ	2		
MW-6A	12/1/23	GW	Field Specific Conductance, Field pH, Chloride, Nitrate, TKN, Dissolved Iron, Manganese, SWL, PFAS 537		5
preservative: HCL 14	NO ₃ H ₂ SO ₂ NaOH MEO	H Na₂S₂O₃ lŒ		and the second of the second o	
MW-7B	12/1/23	GW	Field Specific Conductance, Field pH, Chloride, Nitrate, TKN, Dissolved Iron, Manganese, SWL		3
preservative: HCL H	NO <u>3 H₂SO</u> ⊋ NaOH MEO	H Na₂S₂O₃ Æ	ž		
MW-10	12/1/23	GW	Field Specific Conductance, Field pH, Chloride, Nitrate, TKN, Dissolved Iron, Manganese, SWL, PFAS 537 -		5
preservative: HCL 너	NO3 H2SO4 NaOH MEO	H Na₂S₂O₃ €			<u> </u>
6 Random Rd	12/1/23	DW	PFAS 537		2
preservative: HCL Hi	NO ₃ H ₂ SO ₄ NaOH MEO	H Na₂S₂O₃ ੴ)	and the production of the second of the seco	

aClientID	Breakfast Hill Landfill Rye	Results Needed by: Preferred date	ReportingOptions ☐ HC ☐ NO FAX ☐ EDD Disk	PO#
nProjectID	104 nYearMonth 2023.11	Notes about project	☐ Fax ☐ No partial FAX ☒ EDD emai	Quote# <u>102010</u>
Client (Pro Mgr)	Craig Musselman	Dissolved metals field filtered, preserved with nitric acid	lce: Y□ N□	Temperature 3. € OC
Customer	CMA Engineers, Inc. (Portsmouth)	PFAS 537 NHDES 9 compound list.	Samples Collected by: EAT F5 - TC	
Address	35 Bow Street		PC See 12/1/23 1615	NH
City	Portsmouth NH 03801-3819		Relinquished by Date/Time	Received by
	431-6196			
Fax	431-5376		Relinquished by Date/Time	Received by

CHAIN-OF-CUSTODY RECORD

eastern analytical

professional laboratory services

aClientID	Breakfast Hill Landfill Rye	Results Needed by: Preferred date	ReportingOptions ☐ HC ☐ NO FAX ☐	BDD Disk	PO#
nProjectID	104 nYearMonth 2023.11	Notes about project	☐ Fax ☐ No partial FAX ☒	EDD emai	Quote# <u>102 ০। ০</u> ৫
lient (Pro Mgr)	Craig Musselman	Dissolved metals field filtered, preserved with nitric acid	lce: Y□	N□	Temperature 3.60
Customer	CMA Engineers, Inc. (Portsmouth)	PFAS 537 NHDES 9 compound list.	Samples Collected by: FA	IT FS-TC	<u> </u>
Address	35 Bow Street		Ortele 12/1/23 1	515	NH
City	Portsmouth NH 03801-3819		 	Date/Time	Received by
Phone	431-6196				
Fax	431-5376		Relinquished by	Date/Time	Received by



TOWN OF RYE • OFFICE OF SELECTMEN 10 Central Road Rye, NH 03870-2522 (603) 964-5523 • Fax (603) 964-1516

January 23, 2024

Mr. Donald Cavallaro 6 Random Road Rye, NH 03870

RE: Water Supply Well Laboratory Results

CMA #527

Dear Mr. Cavallaro:

On December 1, 2023, your private water supply was sampled and analyzed for the presence of per- and polyfluoroalkyl substances (PFAS) under the groundwater monitoring permit for the closed Rye Municipal Landfill on Breakfast Hill Road. The NH Department of Environmental Services (NHDES) has established ambient groundwater quality standards (AGQS) for four PFAS compounds.

Sampling results indicate that all four regulated PFAS compounds were below detection limits in your water supply well.

If you are interested, the NHDES files on the project, including the annual water quality reports are a matter of public record and are readily available electronically through the Department's OneStop program Remediation Project (state.nh.us). Older hardcopy files may be accessed by requesting a file review through the Public Information and Permitting Office (PIP) at (603) 271-8876.

NHDES has required annual sampling at your residence in November.

If you have any questions, please do not hesitate to call NHDES at (603) 271-3503.

Sincerely,

Matt Scruton

Town Administrator

Enclosures

NHDES OneStop

Town Website: www.town.rye.nh.us E-mail: Selectmen@town.rve.nh.us



Sample ID: 6 Random Rd PFAS Isotope Dilution Table B-15											
Client Data Name: Project: Location:	Eastern Analytical, Inc 270849 NH 104 270849	•	Matrix: Date Collected:	Aqueous 01-Dec-23 12:42	Lab	oratory Data Sample: Received:	2312023-0 05-Dec-23		Column:	BEH C18	
Analyte		CAS Number	Conc. (ng/L)		RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA		375-22-4	ND		1.97		B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	. 1
PFPeA		2706-90-3	ND		1.97		B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	. 1
PFBS		375-73-5	ND		1.97		B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	. 1
PFHxA		307-24-4	ND		1.97		B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	. 1
PFHpA		375-85-9	ND		1.97		B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	. 1
PFHxS		355-46-4	ND		1.97		B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
PFOA	•	335-67-1	ND		1.97		B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
PFNA		375-95-1	ND		1.97		B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	
PFOS	•	1763-23-1	ND		1.97		B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	
Labeled Standar	ds	Туре	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	•	IS	89.2	50 - 150			B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
13C3-PFPeA		IS	93.2	50 - 150			B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	
13C3-PFBS		IS	90.6	50 - 150			B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	
13C2-PFHxA		IS	95.1	50 - 150			B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	
13C4-PFHpA		IS	95.1	50 - 150			B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
13C3-PFHxS	· ·	IS	89.9	50 - 150			B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	. 1
13C2-PFOA	•	IS	93.2	50 - 150			B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
13C5-PFNA		IS	92.1	50 - 150	•		B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1
13C8-PFOS		IS	90.0	50 - 150			B23L050	12-Dec-23	0.254 L	14-Dec-23 05:41	1

Results reported to RL.



TOWN OF RYE • OFFICE OF SELECTMEN 10 Central Road Rye, NH 03870-2522 (603) 964-5523 • Fax (603) 964-1516

January 23, 2024

AF Real Estate Holding LLC P.O. Box 839 Epping, NH 03042

296 Lafayette Road Rye, NH Water Supply Well Laboratory Results RE:

CMA #527

To Whom It May Concern:

On December 1, 2023, your private water supply was sampled and analyzed for the presence of per- and polyfluoroalkyl substances (PFAS) under the groundwater monitoring permit for the closed Rye Municipal Landfill on Breakfast Hill Road. The NH Department of Environmental Services (NHDES) has established ambient groundwater quality standards (AGQS) for four PFAS compounds.

Sampling results indicate that three of the four regulated PFAS compounds were not detected in your water supply. One compound, perfluorooctanoic acid (PFOA) was detected at a low concentration in your water supply well at a concentration of 5.80 ng/L (parts per trillion). This is below the AGQS for PFOA of 12 ng/L. PFOA has many potential sources.

If you are interested, the NHDES files on the project, including the annual water quality reports are a matter of public record and are readily available electronically through the Department's OneStop program Remediation Project (state.nh.us). Older hardcopy files may be accessed by requesting a file review through the Public Information and Permitting Office (PIP) at (603) 271-8876.

NHDES has required annual sampling at your property in November.

If you have any questions, please do not hesitate to call NHDES at (603) 271-3503.

Sincerely,

Matt Scruton

Town Administrator

Enclosures

NHDES OneStop cc:

> Town Website: www.town.rye.nh.us E-mail: Selectmen@town.rye.nh.us



Sample ID: 296 Lafayette Rd PFAS Isotope Dilution Table B-15											
Client Data Name: Project: Location:	Eastern Analytical, Inc. 270849 NH 104 270849		Matrix: Date Collected:	Aqueous 01-Dec-23 13:37	Lab	ooratory Data Sample: e Received:	2312023-0 05-Dec-23		Column	BEH C18	117.77
Analyte		CAS Number	Conc. (ng/L)		RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA		375-22-4	ND		1.98		B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	1
PFPeA		2706-90-3	2.66		1.98		B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	1
PFBS		375-73-5	3.57		1.98		B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
PFHxA		307-24-4	2.41		1.98		B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
PFHpA		375-85-9	ND		1.98		B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	1
PFHxS		355-46-4	ND		1.98		B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
PFOA		335-67-1	5.80	•	1.98	•	B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	1
PFNA		375-95-1	ND		1.98		B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
PFOS		1763-23-1	ND	•	1.98		B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	1
Labeled Standard	ls	Туре	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA		IS	89.1	50 - 150			B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	1
13C3-PFPeA		IS	94.3	50 - 150			B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	-
13C3-PFBS		IS	88.9	50 - 150			B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	-
13C2-PFHxA		IS	96.7	50 - 150			B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
13C4-PFHpA		IS	91.6	50 - 150			B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
13C3-PFHxS		IS	89.4	50 - 150			B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
13C2-PFOA		IS	92.8	50 - 150			B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
13C5-PFNA		IS	93.6	50 - 150			B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	. 1
13C8-PFOS		IS	87.1	50 - 150			B23L050	12-Dec-23	0.253 L	14-Dec-23 05:51	1

Results reported to RL.