

Eurofins Derry Laboratory Report

Merrimack Village District
Jill Lavoie
2 Greens Pond Road
Merrimack, NH 03054

Job ID: 291-11080-2
Date Received: 8/20/2026 3:41 PM
Sample Collected In: New Hampshire
Job Desc: Merrimack Village District

The analytical test results presented in this report meet all requirements of the associated regulatory program listed in the Certification Summary section, unless otherwise noted. This certificate shall not be reproduced, except in full, without the written approval of the analyzing laboratory. The results presented in this report relate to the samples listed on the following pages in the condition in which they were received. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

Receipt

The samples were received on 8/20/2026 3:41 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 13.7°C.

Certification Summary

Certifications for this job are presented below. Note that not all certifications may be applicable to your report and certifications for subcontracted laboratories are available upon request. Analytes not considered to be certified under the certifications associated with this report will have an asterisk next to their names. Evidence of certification for laboratories within Eurofins Environment Testing can be found on the following website: <https://www.eurofinsus.com/environment-testing/resources/certifications/>

Eurofins Derry (DER), 22 Manchester Road, Unit 2, Derry, NH 03038
New Hampshire, Lab ID: 1015

Action Limit Summary

Sample results for 291-11080-6, 291-11080-7, 291-11080-8, 291-11080-9, 291-11080-10, 291-11080-11, 291-11080-12, 291-11080-13, and 291-11080-14 have been evaluated against the following action limits and/or Maximum Contaminant Levels:

- EPA Primary Limits: EPA DW Primary MCLs
- EPA Secondary Limits: EPA Secondary DW MCL
- State Limits: NH State DW MCLs

Definitions regarding the evaluations presented within this report are presented below:

- EPA Primary Limits: Legally enforceable standards known to affect human health.
- EPA Secondary Limits: Non-enforceable standards that may cause cosmetic or aesthetic effects.
- Pass: Result is below the action limit and/or MCL.
- Fail: Result is above the action limit and/or MCL.
- Attention: Result indicates a potential pathway for contaminants to enter the system that warrants investigation.
- No Limit: No action limit or MCL is available.

Analysis Related Notes

DF: "Dilution factor" means the ratio of the volume of the final (dilution) solution to the volume of sample.

MDL: "Minimum Detection Limit" means the minimum result which can be reliably distinguished from a blank with predetermined confidence level.

ND: Non-detected at the reporting limit (or MDL or EDL if shown).

RL: "Reporting limit" means the lowest level of an analyte that can be accurately recovered from the matrix of interest.

Data qualifier flags provide additional information in regards to the receipt, analysis or quality control of a sample. If any such flags are associated with the results of this report, they will be listed below along with their definitions.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.



CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-008 (MVD 2 RAW)
SAMPLE ID #: 291-11080-6
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 13:40

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Test Description (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	RL	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
11-Chloroeicosfluoro-3-oxau ndecane-1-sulfonic acid (11Cl-PF3OUdS)	<1.90	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	<1.90	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	<1.90	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	<1.90	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
4,8-Dioxa-3H-perfluorononan oic acid (ADONA)	<1.90	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
9-Chlorohexadecafluoro-3-ox anonane-1-sulfonic acid (9Cl-PF3ONS)	<1.90	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
Hexafluoropropylene oxide dimer acid (HFPO DA)	<1.90	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
Nonfluoro-3,6-dioxaheptanoi c acid (NFDHA)	<1.90	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<1.90	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluoro-3-methoxypropanoi c acid (PFMPA)	<1.90	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluoro-4-methoxybutanoic acid (PFMBA)	<1.90	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluorobutanesulfonic acid (PFBS)	3.57	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluorobutanoic acid (PFBA)	2.46	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluorodecanoic acid (PFDA)	<1.90	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluorododecanoic acid (PFDoA)	<1.90	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluoroheptanesulfonic acid (PFHpS)	<1.90	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluoroheptanoic acid (PFHpA)	3.20	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluorohexanesulfonic acid (PFHxS)	1.27	ng/L	✓	J	1.90	1	18	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluorohexanoic acid (PFHxA)	4.30	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluorononanoic acid (PFNA)	<1.90	ng/L	✓		1.90	1	11	SH - DER	08/24/26 08:45	08/24/26 17:18



CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-008 (MVD 2 RAW)
SAMPLE ID #: 291-11080-6
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 13:40

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Test Description (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	RL	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
Perfluorooctanesulfonic acid (PFOS)	3.01	ng/L	✓		1.90	1	15	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluorooctanoic acid (PFOA)	15.8	ng/L	✗		1.90	1	12	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluoropentanesulfonic acid (PFPeS)	<1.90	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluoropentanoic acid (PFPeA)	2.85	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluoroundecanoic acid (PFUnA)	<1.90	ng/L			1.90	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:18

Isotope Dilution (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
13C3-HFPO-DA	79	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:18
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] decanesulfonic acid	95	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:18
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] hexanesulfonic acid	119	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:18
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] octanesulfonic acid	90	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluoro-1-[1,2,3-13C3] hexanesulfonic acid	94	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluoro-1-[13C8] octanesulfonic acid	90	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluoro-1-[2,3,4-13C3] butanesulfonic acid	91	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	57	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	55	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	84	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	83	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluoro-n-[1,2-13C2]dodecanoic acid	66	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluoro-n-[13C4]butanoic acid	88	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:18



CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-008 (MVD 2 RAW)
SAMPLE ID #: 291-11080-6
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 13:40

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Isotope Dilution (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
Perfluoro-n-[13C5]pentanoic acid	75	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluoro-n-[13C8]octanoic acid	72	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:18
Perfluoro-n-[13C9]nonanoic acid	60	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:18

CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-012 (MVD 9 RAW)
SAMPLE ID #: 291-11080-7
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 13:41

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Test Description (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	RL	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
11-Chloroeicosafuoro-3-oxau ndecane-1-sulfonic acid (11Cl-PF3OUdS)	<1.93	ng/L			1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	<1.93	ng/L			1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	<1.93	ng/L			1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	<1.93	ng/L			1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
4,8-Dioxa-3H-perfluorononan oic acid (ADONA)	<1.93	ng/L			1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
9-Chlorohexadecafluoro-3-ox anonane-1-sulfonic acid (9Cl-PF3ONS)	<1.93	ng/L			1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
Hexafluoropropylene oxide dimer acid (HFPO DA)	<1.93	ng/L			1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
Nonafuoro-3,6-dioxaheptanoi c acid (NFDHA)	<1.93	ng/L			1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<1.93	ng/L			1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluoro-3-methoxypropanoi c acid (PFMPA)	<1.93	ng/L			1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluoro-4-methoxybutanoic acid (PFMBA)	<1.93	ng/L			1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluorobutanesulfonic acid (PFBS)	1.13	ng/L		J	1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluorobutanoic acid (PFBA)	<1.93	ng/L			1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluorodecanoic acid (PFDA)	<1.93	ng/L			1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluorododecanoic acid (PFDoA)	<1.93	ng/L			1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluoroheptanesulfonic acid (PFHpS)	<1.93	ng/L			1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluoroheptanoic acid (PFHpA)	0.776	ng/L		J	1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluorohexanesulfonic acid (PFHxS)	<1.93	ng/L	✓		1.93	1	18	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluorohexanoic acid (PFHxA)	0.804	ng/L		J	1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluorononanoic acid (PFNA)	<1.93	ng/L	✓		1.93	1	11	SH - DER	08/24/26 08:45	08/24/26 17:31



CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-012 (MVD 9 RAW)
SAMPLE ID #: 291-11080-7
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 13:41

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Test Description (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	RL	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
Perfluorooctanesulfonic acid (PFOS)	1.09	ng/L	✓	J	1.93	1	15	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluorooctanoic acid (PFOA)	5.09	ng/L	✓		1.93	1	12	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluoropentanesulfonic acid (PFPeS)	<1.93	ng/L			1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluoropentanoic acid (PFPeA)	<1.93	ng/L			1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluoroundecanoic acid (PFUnA)	<1.93	ng/L			1.93	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:31

Isotope Dilution (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
13C3-HFPO-DA	82	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:31
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] decanesulfonic acid	97	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:31
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] hexanesulfonic acid	124	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:31
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] octanesulfonic acid	91	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluoro-1-[1,2,3-13C3] hexanesulfonic acid	91	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluoro-1-[13C8] octanesulfonic acid	90	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluoro-1-[2,3,4-13C3] butanesulfonic acid	90	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	76	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	75	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	89	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	88	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluoro-n-[1,2-13C2]dodecanoic acid	80	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluoro-n-[13C4]butanoic acid	93	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:31



CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-012 (MVD 9 RAW)
SAMPLE ID #: 291-11080-7
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 13:41

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Isotope Dilution (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
Perfluoro-n-[13C5]pentanoic acid	80	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluoro-n-[13C8]octanoic acid	85	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:31
Perfluoro-n-[13C9]nonanoic acid	78	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:31

CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-512 (TP-2/9 treated)
SAMPLE ID #: 291-11080-8
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 13:50

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Test Description (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	RL	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
11-Chloroeicosfluoro-3-oxau ndecane-1-sulfonic acid (11Cl-PF3OUdS)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
4,8-Dioxa-3H-perfluorononan oic acid (ADONA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
9-Chlorohexadecafluoro-3-ox anonane-1-sulfonic acid (9Cl-PF3ONS)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
Hexafluoropropylene oxide dimer acid (HFPO DA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
Nonfluoro-3,6-dioxaheptanoi c acid (NFDHA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluoro-3-methoxypropanoi c acid (PFMPA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluoro-4-methoxybutanoic acid (PFMBA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluorobutanesulfonic acid (PFBS)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluorobutanoic acid (PFBA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluorodecanoic acid (PFDA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluorododecanoic acid (PFDoA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluoroheptanesulfonic acid (PFHpS)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluoroheptanoic acid (PFHpA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluorohexanesulfonic acid (PFHxS)	<1.99	ng/L	✓		1.99	1	18	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluorohexanoic acid (PFHxA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluorononanoic acid (PFNA)	<1.99	ng/L	✓		1.99	1	11	SH - DER	08/27/26 09:07	08/27/26 15:47



CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-512 (TP-2/9 treated)
SAMPLE ID #: 291-11080-8
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 13:50

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Test Description (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	RL	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
Perfluorooctanesulfonic acid (PFOS)	<1.99	ng/L	✓		1.99	1	15	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluorooctanoic acid (PFOA)	<1.99	ng/L	✓		1.99	1	12	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluoropentanesulfonic acid (PFPeS)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluoropentanoic acid (PFPeA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluoroundecanoic acid (PFUnA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 15:47

Isotope Dilution (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
13C3-HFPO-DA	85	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 15:47
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] decanesulfonic acid	106	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 15:47
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] hexanesulfonic acid	103	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 15:47
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] octanesulfonic acid	105	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluoro-1-[1,2,3-13C3] hexanesulfonic acid	111	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluoro-1-[13C8] octanesulfonic acid	108	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluoro-1-[2,3,4-13C3] butanesulfonic acid	112	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	83	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	78	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	90	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	88	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluoro-n-[1,2-13C2]dodecanoic acid	87	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluoro-n-[13C4]butanoic acid	95	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 15:47



CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-512 (TP-2/9 treated)
SAMPLE ID #: 291-11080-8
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 13:50

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Isotope Dilution (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
Perfluoro-n-[13C5]pentanoic acid	93	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluoro-n-[13C8]octanoic acid	85	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 15:47
Perfluoro-n-[13C9]nonanoic acid	76	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 15:47

CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-011 (MVD 4R RAW)
SAMPLE ID #: 291-11080-9
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 13:22

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Test Description (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	RL	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
11-Chloroeicosfluoro-3-oxau ndecane-1-sulfonic acid (11Cl-PF3OUdS)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
4,8-Dioxa-3H-perfluorononan oic acid (ADONA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
9-Chlorohexadecafluoro-3-ox anonane-1-sulfonic acid (9Cl-PF3ONS)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
Hexafluoropropylene oxide dimer acid (HFPO DA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
Nonfluoro-3,6-dioxaheptanoi c acid (NFDHA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluoro-3-methoxypropanoi c acid (PFMPA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluoro-4-methoxybutanoic acid (PFMBA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluorobutanesulfonic acid (PFBS)	6.58	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluorobutanoic acid (PFBA)	5.43	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluorodecanoic acid (PFDA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluorododecanoic acid (PFDoA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluoroheptanesulfonic acid (PFHpS)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluoroheptanoic acid (PFHpA)	11.7	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluorohexanesulfonic acid (PFHxS)	2.65	ng/L	✓		1.94	1	18	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluorohexanoic acid (PFHxA)	15.3	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluorononanoic acid (PFNA)	<1.94	ng/L	✓		1.94	1	11	SH - DER	08/24/26 08:45	08/24/26 17:59



CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-011 (MVD 4R RAW)
SAMPLE ID #: 291-11080-9
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 13:22

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Test Description (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	RL	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
Perfluorooctanesulfonic acid (PFOS)	3.63	ng/L	✓		1.94	1	15	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluorooctanoic acid (PFOA)	66.0	ng/L	✗		1.94	1	12	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluoropentanesulfonic acid (PFPeS)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluoropentanoic acid (PFPeA)	9.81	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluoroundecanoic acid (PFUnA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 17:59

Isotope Dilution (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
13C3-HFPO-DA	83	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:59
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] decanesulfonic acid	99	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:59
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] hexanesulfonic acid	117	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:59
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] octanesulfonic acid	97	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluoro-1-[1,2,3-13C3] hexanesulfonic acid	104	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluoro-1-[13C8] octanesulfonic acid	101	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluoro-1-[2,3,4-13C3] butanesulfonic acid	101	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	76	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	64	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	89	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	87	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluoro-n-[1,2-13C2]dodecanoic acid	82	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluoro-n-[13C4]butanoic acid	92	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:59



CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-011 (MVD 4R RAW)
SAMPLE ID #: 291-11080-9
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 13:22

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Isotope Dilution (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
Perfluoro-n-[13C5]pentanoic acid	81	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluoro-n-[13C8]octanoic acid	76	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:59
Perfluoro-n-[13C9]nonanoic acid	63	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 17:59

CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-005 (MVD 5 RAW)
SAMPLE ID #: 291-11080-10
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 13:23

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Test Description (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	RL	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
11-Chloroeicosfluoro-3-oxau ndecane-1-sulfonic acid (11Cl-PF3OUdS)	<1.95	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	<1.95	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	<1.95	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	<1.95	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
4,8-Dioxa-3H-perfluorononan oic acid (ADONA)	<1.95	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
9-Chlorohexadecafluoro-3-ox anonane-1-sulfonic acid (9Cl-PF3ONS)	<1.95	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
Hexafluoropropylene oxide dimer acid (HFPO DA)	<1.95	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
Nonfluoro-3,6-dioxaheptanoi c acid (NFDHA)	<1.95	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<1.95	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluoro-3-methoxypropanoi c acid (PFMPA)	<1.95	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluoro-4-methoxybutanoic acid (PFMBA)	<1.95	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluorobutanesulfonic acid (PFBS)	4.93	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluorobutanoic acid (PFBA)	4.75	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluorodecanoic acid (PFDA)	<1.95	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluorododecanoic acid (PFDoA)	<1.95	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluoroheptanesulfonic acid (PFHpS)	<1.95	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluoroheptanoic acid (PFHpA)	8.24	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluorohexanesulfonic acid (PFHxS)	2.12	ng/L	✓		1.95	1	18	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluorohexanoic acid (PFHxA)	10.9	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluorononanoic acid (PFNA)	<1.95	ng/L	✓		1.95	1	11	SH - DER	08/24/26 08:45	08/24/26 18:12



CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-005 (MVD 5 RAW)
SAMPLE ID #: 291-11080-10
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 13:23

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Test Description (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	RL	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
Perfluorooctanesulfonic acid (PFOS)	1.76	ng/L	✓	J	1.95	1	15	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluorooctanoic acid (PFOA)	37.5	ng/L	✗		1.95	1	12	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluoropentanesulfonic acid (PFPeS)	<1.95	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluoropentanoic acid (PFPeA)	7.92	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluoroundecanoic acid (PFUnA)	<1.95	ng/L			1.95	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:12

Isotope Dilution (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
13C3-HFPO-DA	79	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:12
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] decanesulfonic acid	97	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:12
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] hexanesulfonic acid	103	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:12
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] octanesulfonic acid	98	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluoro-1-[1,2,3-13C3] hexanesulfonic acid	102	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluoro-1-[13C8] octanesulfonic acid	99	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluoro-1-[2,3,4-13C3] butanesulfonic acid	102	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	82	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	79	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	87	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	86	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluoro-n-[1,2-13C2]dodecanoic acid	83	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluoro-n-[13C4]butanoic acid	90	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:12



CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-005 (MVD 5 RAW)
SAMPLE ID #: 291-11080-10
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 13:23

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Isotope Dilution (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
Perfluoro-n-[13C5]pentanoic acid	83	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluoro-n-[13C8]octanoic acid	83	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:12
Perfluoro-n-[13C9]nonanoic acid	81	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:12

CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-509 (TP-4/5 treated)
SAMPLE ID #: 291-11080-11
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 13:12

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Test Description (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	RL	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
11-Chloroeicosfluoro-3-oxau ndecane-1-sulfonic acid (11Cl-PF3OUdS)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
4,8-Dioxa-3H-perfluorononan oic acid (ADONA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
9-Chlorohexadecafluoro-3-ox anonane-1-sulfonic acid (9Cl-PF3ONS)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
Hexafluoropropylene oxide dimer acid (HFPO DA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
Nonfluoro-3,6-dioxaheptanoi c acid (NFDHA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluoro-3-methoxypropanoi c acid (PFMPA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluoro-4-methoxybutanoic acid (PFMBA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluorobutanesulfonic acid (PFBS)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluorobutanoic acid (PFBA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluorodecanoic acid (PFDA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluorododecanoic acid (PFDoA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluoroheptanesulfonic acid (PFHpS)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluoroheptanoic acid (PFHpA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluorohexanesulfonic acid (PFHxS)	<1.94	ng/L	✓		1.94	1	18	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluorohexanoic acid (PFHxA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluorononanoic acid (PFNA)	<1.94	ng/L	✓		1.94	1	11	SH - DER	08/27/26 09:07	08/27/26 16:01



CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-509 (TP-4/5 treated)
SAMPLE ID #: 291-11080-11
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 13:12

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Test Description (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	RL	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
Perfluorooctanesulfonic acid (PFOS)	<1.94	ng/L	✓		1.94	1	15	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluorooctanoic acid (PFOA)	<1.94	ng/L	✓		1.94	1	12	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluoropentanesulfonic acid (PFPeS)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluoropentanoic acid (PFPeA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluoroundecanoic acid (PFUnA)	<1.94	ng/L			1.94	1	No Limit	SH - DER	08/27/26 09:07	08/27/26 16:01

Isotope Dilution (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
13C3-HFPO-DA	79	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 16:01
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] decanesulfonic acid	100	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 16:01
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] hexanesulfonic acid	95	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 16:01
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] octanesulfonic acid	97	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluoro-1-[1,2,3-13C3] hexanesulfonic acid	103	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluoro-1-[13C8] octanesulfonic acid	100	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluoro-1-[2,3,4-13C3] butanesulfonic acid	104	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	95	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	94	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	87	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	88	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluoro-n-[1,2-13C2]dodecanoic acid	93	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluoro-n-[13C4]butanoic acid	87	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 16:01



CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-509 (TP-4/5 treated)
SAMPLE ID #: 291-11080-11
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 13:12

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Isotope Dilution (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
Perfluoro-n-[13C5]pentanoic acid	86	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluoro-n-[13C8]octanoic acid	92	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 16:01
Perfluoro-n-[13C9]nonanoic acid	92	%	✓		1	50 - 200	SH - DER	08/27/26 09:07	08/27/26 16:01

CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-007 (MVD 7 RAW)
SAMPLE ID #: 291-11080-12
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 12:22

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Test Description (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	RL	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
11-Chloroeicosfluoro-3-oxau ndecane-1-sulfonic acid (11Cl-PF3OUdS)	<1.96	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	<1.96	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	<1.96	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	<1.96	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
4,8-Dioxa-3H-perfluorononan oic acid (ADONA)	<1.96	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
9-Chlorohexadecafluoro-3-ox anonane-1-sulfonic acid (9Cl-PF3ONS)	<1.96	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
Hexafluoropropylene oxide dimer acid (HFPO DA)	<1.96	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
Nonfluoro-3,6-dioxaheptanoi c acid (NFDHA)	<1.96	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<1.96	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluoro-3-methoxypropanoi c acid (PFMPA)	<1.96	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluoro-4-methoxybutanoic acid (PFMBA)	<1.96	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluorobutanesulfonic acid (PFBS)	3.18	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluorobutanoic acid (PFBA)	2.85	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluorodecanoic acid (PFDA)	<1.96	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluorododecanoic acid (PFDoA)	<1.96	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluoroheptanesulfonic acid (PFHpS)	<1.96	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluoroheptanoic acid (PFHpA)	3.40	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluorohexanesulfonic acid (PFHxS)	1.65	ng/L	✓	J	1.96	1	18	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluorohexanoic acid (PFHxA)	2.78	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluorononanoic acid (PFNA)	<1.96	ng/L	✓		1.96	1	11	SH - DER	08/24/26 08:45	08/24/26 18:53



CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-007 (MVD 7 RAW)
SAMPLE ID #: 291-11080-12
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 12:22

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Test Description (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	RL	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
Perfluorooctanesulfonic acid (PFOS)	3.62	ng/L	✓		1.96	1	15	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluorooctanoic acid (PFOA)	26.5	ng/L	✗		1.96	1	12	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluoropentanesulfonic acid (PFPeS)	<1.96	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluoropentanoic acid (PFPeA)	2.24	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluoroundecanoic acid (PFUnA)	<1.96	ng/L			1.96	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 18:53

Isotope Dilution (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
13C3-HFPO-DA	84	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:53
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] decanesulfonic acid	94	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:53
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] hexanesulfonic acid	138	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:53
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] octanesulfonic acid	88	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluoro-1-[1,2,3-13C3] hexanesulfonic acid	91	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluoro-1-[13C8] octanesulfonic acid	87	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluoro-1-[2,3,4-13C3] butanesulfonic acid	87	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	63	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	65	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	87	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	87	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluoro-n-[1,2-13C2]dodecanoic acid	66	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluoro-n-[13C4]butanoic acid	91	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:53



CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-007 (MVD 7 RAW)
SAMPLE ID #: 291-11080-12
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 12:22

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Isotope Dilution (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
Perfluoro-n-[13C5]pentanoic acid	77	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluoro-n-[13C8]octanoic acid	83	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:53
Perfluoro-n-[13C9]nonanoic acid	73	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 18:53

CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-009 (MVD 8 RAW)
SAMPLE ID #: 291-11080-13
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 12:28

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Test Description (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	RL	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
11-Chloroeicosfluoro-3-oxau ndecane-1-sulfonic acid (11Cl-PF3OUdS)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
4,8-Dioxa-3H-perfluorononan oic acid (ADONA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
9-Chlorohexadecafluoro-3-ox anonane-1-sulfonic acid (9Cl-PF3ONS)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
Hexafluoropropylene oxide dimer acid (HFPO DA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
Nonfluoro-3,6-dioxaheptanoi c acid (NFDHA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluoro-3-methoxypropanoi c acid (PFMPA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluoro-4-methoxybutanoic acid (PFMBA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluorobutanesulfonic acid (PFBS)	2.86	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluorobutanoic acid (PFBA)	1.87	ng/L		J	1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluorodecanoic acid (PFDA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluorododecanoic acid (PFDoA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluoroheptanesulfonic acid (PFHpS)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluoroheptanoic acid (PFHpA)	3.20	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluorohexanesulfonic acid (PFHxS)	1.29	ng/L	✓	J	1.99	1	18	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluorohexanoic acid (PFHxA)	2.99	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluorononanoic acid (PFNA)	<1.99	ng/L	✓		1.99	1	11	SH - DER	08/24/26 08:45	08/24/26 19:07



CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-009 (MVD 8 RAW)
SAMPLE ID #: 291-11080-13
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 12:28

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Test Description (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	RL	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
Perfluorooctanesulfonic acid (PFOS)	1.98	ng/L	✓	J	1.99	1	15	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluorooctanoic acid (PFOA)	24.5	ng/L	✗		1.99	1	12	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluoropentanesulfonic acid (PFPeS)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluoropentanoic acid (PFPeA)	2.16	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluoroundecanoic acid (PFUnA)	<1.99	ng/L			1.99	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:07

Isotope Dilution (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
13C3-HFPO-DA	91	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:07
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] decanesulfonic acid	99	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:07
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] hexanesulfonic acid	148	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:07
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] octanesulfonic acid	95	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluoro-1-[1,2,3-13C3] hexanesulfonic acid	99	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluoro-1-[13C8] octanesulfonic acid	98	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluoro-1-[2,3,4-13C3] butanesulfonic acid	98	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	66	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	66	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	97	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	96	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluoro-n-[1,2-13C2]dodecanoic acid	70	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluoro-n-[13C4]butanoic acid	102	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:07



CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-009 (MVD 8 RAW)
SAMPLE ID #: 291-11080-13
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 12:28

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Isotope Dilution (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
Perfluoro-n-[13C5]pentanoic acid	86	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluoro-n-[13C8]octanoic acid	88	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:07
Perfluoro-n-[13C9]nonanoic acid	77	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:07

CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-510 (TP-7/8 treated)
SAMPLE ID #: 291-11080-14
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 12:45

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Test Description (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	RL	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
11-Chloroeicosafuoro-3-oxau ndecane-1-sulfonic acid (11Cl-PF3OUdS)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
4,8-Dioxa-3H-perfluorononan oic acid (ADONA)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
9-Chlorohexadecafluoro-3-ox anonane-1-sulfonic acid (9Cl-PF3ONS)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
Hexafluoropropylene oxide dimer acid (HFPO DA)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
Nonafuoro-3,6-dioxaheptanoi c acid (NFDHA)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluoro-3-methoxypropanoi c acid (PFMPA)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluoro-4-methoxybutanoic acid (PFMBA)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluorobutanesulfonic acid (PFBS)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluorobutanoic acid (PFBA)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluorodecanoic acid (PFDA)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluorododecanoic acid (PFDoA)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluoroheptanesulfonic acid (PFHpS)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluoroheptanoic acid (PFHpA)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluorohexanesulfonic acid (PFHxS)	<1.92	ng/L	✓		1.92	1	18	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluorohexanoic acid (PFHxA)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluorononanoic acid (PFNA)	<1.92	ng/L	✓		1.92	1	11	SH - DER	08/24/26 08:45	08/24/26 19:20



CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-510 (TP-7/8 treated)
SAMPLE ID #: 291-11080-14
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 12:45

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Test Description (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	RL	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
Perfluorooctanesulfonic acid (PFOS)	<1.92	ng/L	✓		1.92	1	15	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluorooctanoic acid (PFOA)	<1.92	ng/L	✓		1.92	1	12	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluoropentanesulfonic acid (PFPeS)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluoropentanoic acid (PFPeA)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluoroundecanoic acid (PFUnA)	<1.92	ng/L			1.92	1	No Limit	SH - DER	08/24/26 08:45	08/24/26 19:20

Isotope Dilution (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
13C3-HFPO-DA	82	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:20
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] decanesulfonic acid	106	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:20
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] hexanesulfonic acid	104	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:20
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2] octanesulfonic acid	105	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluoro-1-[1,2,3-13C3] hexanesulfonic acid	105	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluoro-1-[13C8] octanesulfonic acid	102	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluoro-1-[2,3,4-13C3] butanesulfonic acid	108	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	86	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	84	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	87	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	84	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluoro-n-[1,2-13C2]dodecanoic acid	86	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluoro-n-[13C4]butanoic acid	82	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:20



CERTIFICATE OF ANALYSIS FOR DRINKING WATER

CLIENT SAMPLE ID: 1531010-510 (TP-7/8 treated)
SAMPLE ID #: 291-11080-14
CLIENT JOB #:
OTHER SAMPLE INFO:
SAMPLED BY: H. Ronald
COLLECTION DATE/TIME: 08/20/26 12:45

SYSTEM NAME: Merrimack Village District
SYSTEM TOWN: Merrimack
SYSTEM TYPE: Community

Isotope Dilution (EPA 533)	Results	Units	Pass/ Fail	DQ Flag	DF	Limit	Analyst /Lab	Date & Time Prepared	Date & Time Analyzed
Perfluoro-n-[13C5]pentanoic acid	84	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluoro-n-[13C8]octanoic acid	83	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:20
Perfluoro-n-[13C9]nonanoic acid	82	%	✓		1	50 - 200	SH - DER	08/24/26 08:45	08/24/26 19:20



Environment Testing

CHAIN OF
CUSTODY

WORK ORDER#: _____

Eurofins Derry
22 Manchester Road, Unit 2
Derry, NH 03038

DUE DATE: _____

COMPANY Merrimack Village District
ADDRESS 2 Greens Pond Road
Merrimack, NH 03054
PHONE# (603) 424-9241 x103 Fax# _____
P.O.# _____
CLIENT CONTACT Jill Lavoie
PROJECT LOCATION/STATE: Merrimack, NH
EMAIL jlavoie@mvdwaternh.gov

CONTAINER TYPE

P-PLASTIC

G-GLASS

SAMPLE TYPE

1. Water 5. Tissue

2. Soil 6. Other

3. Sudge

4. Oil

ANALYSES

PFAS Method 533

#	SAMPLE IDENTIFICATION	SAMPLE TYPE	CONTAINER			SAMPLING		PRESERVATIVE											COMMENTS
			SIZE	TYPE	#	DATE	TIME												
1	1531010-008 (MVD-2 raw)	1		P	2	8/20/2026	1340		X										
2	1531010_012 (MVD 9 raw)	1		P	2	8/20/2026	1341		X										
3	1531010-512 (TP- 2/9 treated)	1		P	2	8/20/2026	1350		X										
4	1531010-011 (MVD-4R raw)	1		P	2	8/20/2026	1322 1322		X										
5	1531010_005 (MVD-5 raw)	1		P	2	8/20/2026	1323		X										
6	1531010_509 (TP-4/5 treated)	1		P	2	8/20/2026	1312		X										
7	1531010_007 (MVD-7 raw)	1		P	2	8/20/2026	1220		X										
8	1531010_009 (MVD-8 raw)	1		P	2	8/20/2026	1228		X										
9	1531010_510 (TP-7/8 treated)	1		P	2	8/20/2026	1245		X										

Turn Around Time:

SAMPLED BY:

DATE: 8/20/26

RECEIVED BY:

DATE:

☐ RUSH _____ Day TAT

Initial Temp (°C) 13.7

Corrected Temp (°C) 13.4

☐ ROUTINE IR Gun # 9FD

RELINQUISHED BY:

DATE:

RECEIVED BY:

DATE:

TIME:

TIME:

TIME: 26 AUG 20 3:41 PM

RELINQUISHED BY:

DATE:

RECEIVED FOR LAB BY:

DATE:

TIME:

TIME:

Temp: _____ °C on ice (Y/N)

METHOD OF SHIPMENT:

SPECIAL INSTRUCTIONS: RAW AND TREATED WATER SAMPLES

Blue ice