



GRANITE STATE ANALYTICAL SERVICES, LLC.

22 Manchester Road, Unit 2, Derry, NH 03038
Phone (800) 699-9920 | (603) 432-3044 website www.granitestateanalytical.com

Laboratory Report

Merrimack Village Dist
2 Greens Pond Rd
Merrimack, NH 03054

Date Printed: 10/02/2024
Work Order #: 2409-03725
Client Job #:
Date Received: 09/17/2024
Sample collected in: New Hampshire

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of the analyzing laboratory's Quality Assurance Plan, Standard Operating Procedures and State Accreditation. 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. Accreditation for each analyte is identified by the * symbol following the analyte name. Location of our analyzing laboratory is identified by the code in the Analyst Column.

A & L Laboratory:
Identified by ME in Analyst Column
155 Center Street, Auburn, Maine 04210
www.allaboratory.com

Granite State Analytical Services LLC:
Identified by NH in Analyst Column
22 Manchester Road, Derry, NH 03038
www.granitestateanalytical.com

Nashoba Analytical:
Identified by MA in the Analyst Column
31A Willow Road, Ayer, MA 01432
www.nashobaanalytical.com

ANALYSIS RELATED NOTES:

- RL: "Reporting limit" means the lowest level of an analyte that can be accurately recovered from the matrix of interest.
- DF: "Dilution factor" means the ratio of the volume of the sample to the volume of the final (dilute) solution.
- MDL: "Minimum Detection Limit" means the minimum result which can be reliably discriminated from a blank with a predetermined confidence level.
- A & L Laboratory / Granite State Analytical Services LLC / Nashoba Analytical. accreditation lists can be found on our websites listed above.
- Subcontracted samples will be identified by the Accreditation number of the subcontract laboratory in the analyst field for each analyte and the appropriate laboratory will be listed here. **None**
- Data Qualifiers (DQ) Flags provide additional information in regards to the receipt, analysis or quality control of a sample. These are indicated under the DQ Flags Column on your report and listed here if necessary: **Data Qualifier (DQ) Flags: J = Estimated concentration.**

SAMPLE STATE SPECIFIC NOTES:

Additional Narrative or Comments: **None**

We appreciate the opportunity to provide you with laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be happy to assist you.



Donald A. D'Anjou, Ph. D.
Laboratory Director

A & L Laboratory: Accreditations: Maine ME00021, New Hampshire 2501, Maine Radon Registration ID # SPC20
Granite State Analytical Services, LLC: Accreditations: New Hampshire 1015; Maine NH00003;
Massachusetts M-NH0003; Rhode Island 101513; Vermont VT-101507
Nashoba Analytical: Accreditations: Massachusetts M-MA1118



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DRINKING WATER NON COMPLIANCE REPORT

DATE PRINTED: 10/02/2024
SAMPLE ID #: 2409-03725-001
SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-008 (MVD-2)

EPA ID#: 1531010

Legend	
Passes	
Fails EPA Primary	
Fails EPA Secondary	
Fails State Guideline	
Attention	

DATE & TIME COLLECTED: 09/17/2024 01:02PM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
11-Chloroicosafafluoro-3-oxaundecane-1-sulfonic Acid (11CI-PF30UdS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF30NS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
Date Extracted	-					No Limit	EPA 533	DL-NH	09/24/2024 07:15AM
Hexafluoropropylene oxide dimer acid (HFPO-DA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
Perfluoro-3-methoxypropanoic acid (PFMPA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
Perfluoro-4-methoxybutanoic acid (PFMBA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
Perfluorobutanesulfonic Acid (PFBS)*	4.29	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
Perfluorobutanoic Acid (PFBA)*	3.63	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM



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CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	✓
Fails EPA Primary	⊗
Fails EPA Secondary	▽
Fails State Guideline	✕
Attention	⚠

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-008 (MVD-2)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 01:02PM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
Perfluorodecanoic Acid (PFDA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
Perfluorododecanoic acid (PFDoA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
Perfluoroheptanesulfonic acid (PFHpS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
Perfluoroheptanoic acid (PFHpA)*	4.36	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
Perfluorohexanesulfonic Acid (PFHxS)*	1.45	ng/L	✓	J	2.00	18 ng/L	EPA 533	DL-NH	09/24/2024 06:39PM
Perfluorohexanoic acid (PFHxA)*	5.88	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
Perfluorononanoic acid (PFNA)*	<2.00	ng/L	✓		2.00	11 ng/L	EPA 533	DL-NH	09/24/2024 06:39PM
Perfluorooctanesulfonic acid (PFOS)*	2.21	ng/L	✓		2.00	15 ng/L	EPA 533	DL-NH	09/24/2024 06:39PM
Perfluorooctanoic acid (PFOA)*	20.2	ng/L	✕		2.00	12 ng/L	EPA 533	DL-NH	09/24/2024 06:39PM
Perfluoropentanesulfonic acid (PFPeS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
Perfluoropentanoic acid (PFPeA)*	4.60	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
Perfluoroundecanoic acid (PFUnA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:39PM
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy-13C3)propanoic acid	78	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:39PM
Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	60	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:39PM
Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	54	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:39PM
Perfluoro-n-[1,2,3,4,5-13C5]pentanoic acid	68	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:39PM
Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	73	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:39PM



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CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-008 (MVD-2)

EPA ID#: 1531010

Legend	
Passes	✓
Fails EPA Primary	⊗
Fails EPA Secondary	▽
Fails State Guideline	✕
Attention	⚠

DATE & TIME COLLECTED: 09/17/2024 01:02PM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
Perfluoro-n-[1,2,3,4-13C4]butanoic acid	83	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:39PM
Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	76	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:39PM
Perfluoro-n-[1,2-13C2]dodecanoic acid	70	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:39PM
Perfluoro-n-[13C8]octanoic acid	64	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:39PM
Perfluoro-n-[13C9]nonanoic acid	51	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:39PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]decane sulfonate	64	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:39PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]hexane sulfonate	151	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:39PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]octane sulfonate	80	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:39PM
Sodium perfluoro-[13C8]octanesulfonate	86	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:39PM
Sodium perfluoro-1-[1,2,3-13C3]hexanesulfonate	89	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:39PM
Sodium perfluoro-1-[2,3,4-13C3]butanesulfonate	89	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:39PM



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DRINKING WATER NON COMPLIANCE REPORT

DATE PRINTED: 10/02/2024
SAMPLE ID #: 2409-03725-002
SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	
Fails EPA Primary	
Fails EPA Secondary	
Fails State Guideline	
Attention	

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-012 (MVD 9)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 01:03PM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11CI-PF30UdS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
Date Extracted	-					No Limit	EPA 533	DL-NH	09/24/2024 07:15AM
Hexafluoropropylene oxide dimer acid (HFPO-DA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
Perfluoro-3-methoxypropanoic acid (PFMPA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
Perfluoro-4-methoxybutanoic acid (PFMBA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
Perfluorobutanesulfonic Acid (PFBS)*	3.81	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
Perfluorobutanoic Acid (PFBA)*	3.43	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM



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SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	✓
Fails EPA Primary	⊗
Fails EPA Secondary	▼
Fails State Guideline	✕
Attention	⚠

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-012 (MVD 9)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 01:03PM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
Perfluorodecanoic Acid (PFDA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
Perfluorododecanoic acid (PFDoA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
Perfluoroheptanesulfonic acid (PFHpS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
Perfluoroheptanoic acid (PFHpA)*	3.68	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
Perfluorohexanesulfonic Acid (PFHxS)*	0.864	ng/L	✓	J	2.00	18 ng/L	EPA 533	DL-NH	09/24/2024 06:57PM
Perfluorohexanoic acid (PFHxA)*	4.14	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
Perfluorononanoic acid (PFNA)*	<2.00	ng/L	✓		2.00	11 ng/L	EPA 533	DL-NH	09/24/2024 06:57PM
Perfluorooctanesulfonic acid (PFOS)*	2.09	ng/L	✓		2.00	15 ng/L	EPA 533	DL-NH	09/24/2024 06:57PM
Perfluorooctanoic acid (PFOA)*	16.7	ng/L	✕		2.00	12 ng/L	EPA 533	DL-NH	09/24/2024 06:57PM
Perfluoropentanesulfonic acid (PFPeS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
Perfluoropentanoic acid (PFPeA)*	3.84	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
Perfluoroundecanoic acid (PFUnA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 06:57PM
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy-13C3)propanoic acid	89	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:57PM
Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	60	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:57PM
Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	55	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:57PM
Perfluoro-n-[1,2,3,4,5-13C5]pentanoic acid	74	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:57PM
Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	85	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:57PM



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LAB ID#: 1015

Legend	
Passes	✓
Fails EPA Primary	⊗
Fails EPA Secondary	▽
Fails State Guideline	✕
Attention	⚠

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-012 (MVD 9)

EPA ID#: 1531010

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WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
Perfluoro-n-[1,2,3,4-13C4]butanoic acid	88	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:57PM
Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	84	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:57PM
Perfluoro-n-[1,2-13C2]dodecanoic acid	65	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:57PM
Perfluoro-n-[13C8]octanoic acid	81	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:57PM
Perfluoro-n-[13C9]nonanoic acid	65	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:57PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]decane sulfonate	67	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:57PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]hexane sulfonate	152	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:57PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]octane sulfonate	84	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:57PM
Sodium perfluoro-[13C8]octanesulfonate	89	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:57PM
Sodium perfluoro-1-[1,2,3-13C3]hexanesulfonate	95	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:57PM
Sodium perfluoro-1-[2,3,4-13C3]butanesulfonate	90	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 06:57PM



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SAMPLED BY: Merrimack Village Dist

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LAB ID#: 1015

Legend	
Passes	
Fails EPA Primary	
Fails EPA Secondary	
Fails State Guideline	
Attention	

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-512 (TP-2/9)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 01:11PM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11CI-PF30UdS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
Date Extracted	-					No Limit	EPA 533	DL-NH	09/27/2024 07:30AM
Hexafluoropropylene oxide dimer acid (HFPO-DA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
Perfluoro-3-methoxypropanoic acid (PFMPA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
Perfluoro-4-methoxybutanoic acid (PFMBA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
Perfluorobutanesulfonic Acid (PFBS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
Perfluorobutanoic Acid (PFBA)*	3.17	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM



Donald A. D'Anjou, Ph. D.
Laboratory Director



GRANITE STATE ANALYTICAL SERVICES, LLC.

22 Manchester Road, Unit 2, Derry, NH 03038
Phone (800) 699-9920 | (603) 432-3044 website www.granitestateanalytical.com

DRINKING WATER NON COMPLIANCE REPORT

DATE PRINTED: 10/02/2024
SAMPLE ID #: 2409-03725-003
SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	✓
Fails EPA Primary	⊗
Fails EPA Secondary	▼
Fails State Guideline	✕
Attention	⚠

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-512 (TP-2/9)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 01:11PM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
Perfluorodecanoic Acid (PFDA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
Perfluorododecanoic acid (PFDoA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
Perfluoroheptanesulfonic acid (PFHpS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
Perfluoroheptanoic acid (PFHpA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
Perfluorohexanesulfonic Acid (PFHxS)*	<2.00	ng/L	✓		2.00	18 ng/L	EPA 533	DL-NH	09/27/2024 09:04PM
Perfluorohexanoic acid (PFHxA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
Perfluorononanoic acid (PFNA)*	<2.00	ng/L	✓		2.00	11 ng/L	EPA 533	DL-NH	09/27/2024 09:04PM
Perfluorooctanesulfonic acid (PFOS)*	<2.00	ng/L	✓		2.00	15 ng/L	EPA 533	DL-NH	09/27/2024 09:04PM
Perfluorooctanoic acid (PFOA)*	<2.00	ng/L	✓		2.00	12 ng/L	EPA 533	DL-NH	09/27/2024 09:04PM
Perfluoropentanesulfonic acid (PFPeS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
Perfluoropentanoic acid (PFPeA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
Perfluoroundecanoic acid (PFUnA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:04PM
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy-13C3)propanoic acid	94	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:04PM
Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	109	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:04PM
Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	106	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:04PM
Perfluoro-n-[1,2,3,4,5-13C5]pentanoic acid	135	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:04PM
Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	104	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:04PM



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Laboratory Director



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DRINKING WATER NON COMPLIANCE REPORT

DATE PRINTED: 10/02/2024
SAMPLE ID #: 2409-03725-003
SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	✓
Fails EPA Primary	⊗
Fails EPA Secondary	▽
Fails State Guideline	✕
Attention	⚠

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-512 (TP-2/9)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 01:11PM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
Perfluoro-n-[1,2,3,4-13C4]butanoic acid	109	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:04PM
Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	108	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:04PM
Perfluoro-n-[1,2-13C2]dodecanoic acid	110	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:04PM
Perfluoro-n-[13C8]octanoic acid	112	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:04PM
Perfluoro-n-[13C9]nonanoic acid	113	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:04PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]decane sulfonate	192	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:04PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]hexane sulfonate	158	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:04PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]octane sulfonate	144	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:04PM
Sodium perfluoro-[13C8]octanesulfonate	125	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:04PM
Sodium perfluoro-1-[1,2,3-13C3]hexanesulfonate	130	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:04PM
Sodium perfluoro-1-[2,3,4-13C3]butanesulfonate	120	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:04PM



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DRINKING WATER NON COMPLIANCE REPORT

DATE PRINTED: 10/02/2024
SAMPLE ID #: 2409-03725-004
SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	
Fails EPA Primary	
Fails EPA Secondary	
Fails State Guideline	
Attention	

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-005 (MVD-5)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 12:30PM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11CI-PF30UdS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
Date Extracted	-					No Limit	EPA 533	DL-NH	09/27/2024 07:30AM
Hexafluoropropylene oxide dimer acid (HFPO-DA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
Perfluoro-3-methoxypropanoic acid (PFMPA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
Perfluoro-4-methoxybutanoic acid (PFMBA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
Perfluorobutanesulfonic Acid (PFBS)*	5.08	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
Perfluorobutanoic Acid (PFBA)*	4.85	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM



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DRINKING WATER NON COMPLIANCE REPORT

DATE PRINTED: 10/02/2024
SAMPLE ID #: 2409-03725-004
SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	✓
Fails EPA Primary	⊗
Fails EPA Secondary	▼
Fails State Guideline	✕
Attention	⚠

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-005 (MVD-5)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 12:30PM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
Perfluorodecanoic Acid (PFDA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
Perfluorododecanoic acid (PFDoA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
Perfluoroheptanesulfonic acid (PFHpS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
Perfluoroheptanoic acid (PFHpA)*	8.90	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
Perfluorohexanesulfonic Acid (PFHxS)*	2.38	ng/L	✓		2.00	18 ng/L	EPA 533	DL-NH	09/27/2024 09:18PM
Perfluorohexanoic acid (PFHxA)*	13.4	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
Perfluorononanoic acid (PFNA)*	<2.00	ng/L	✓		2.00	11 ng/L	EPA 533	DL-NH	09/27/2024 09:18PM
Perfluorooctanesulfonic acid (PFOS)*	2.15	ng/L	✓		2.00	15 ng/L	EPA 533	DL-NH	09/27/2024 09:18PM
Perfluorooctanoic acid (PFOA)*	52.7	ng/L	✕		2.00	12 ng/L	EPA 533	DL-NH	09/27/2024 09:18PM
Perfluoropentanesulfonic acid (PFPeS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
Perfluoropentanoic acid (PFPeA)*	9.25	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
Perfluoroundecanoic acid (PFUnA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:18PM
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy-13C3)propanoic acid	81	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:18PM
Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	95	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:18PM
Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	89	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:18PM
Perfluoro-n-[1,2,3,4,5-13C5]pentanoic acid	90	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:18PM
Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	88	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:18PM



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DRINKING WATER NON COMPLIANCE REPORT

DATE PRINTED: 10/02/2024
SAMPLE ID #: 2409-03725-004
SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	✓
Fails EPA Primary	⊗
Fails EPA Secondary	▽
Fails State Guideline	✕
Attention	⚠

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-005 (MVD-5)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 12:30PM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
Perfluoro-n-[1,2,3,4-13C4]butanoic acid	102	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:18PM
Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	97	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:18PM
Perfluoro-n-[1,2-13C2]dodecanoic acid	98	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:18PM
Perfluoro-n-[13C8]octanoic acid	97	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:18PM
Perfluoro-n-[13C9]nonanoic acid	94	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:18PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]decane sulfonate	166	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:18PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]hexane sulfonate	152	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:18PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]octane sulfonate	113	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:18PM
Sodium perfluoro-[13C8]octanesulfonate	109	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:18PM
Sodium perfluoro-1-[1,2,3-13C3]hexanesulfonate	111	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:18PM
Sodium perfluoro-1-[2,3,4-13C3]butanesulfonate	95	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:18PM



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DRINKING WATER NON COMPLIANCE REPORT

DATE PRINTED: 10/02/2024
SAMPLE ID #: 2409-03725-005
SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	
Fails EPA Primary	
Fails EPA Secondary	
Fails State Guideline	
Attention	

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-509 (TP-4/5)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 12:27PM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11CI-PF30UdS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
Date Extracted	-					No Limit	EPA 533	DL-NH	09/27/2024 07:30AM
Hexafluoropropylene oxide dimer acid (HFPO-DA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
Perfluoro-3-methoxypropanoic acid (PFMPA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
Perfluoro-4-methoxybutanoic acid (PFMBA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
Perfluorobutanesulfonic Acid (PFBS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
Perfluorobutanoic Acid (PFBA)*	4.59	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM



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Laboratory Director



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DRINKING WATER NON COMPLIANCE REPORT

DATE PRINTED: 10/02/2024
SAMPLE ID #: 2409-03725-005
SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	✓
Fails EPA Primary	⊗
Fails EPA Secondary	▼
Fails State Guideline	✕
Attention	⚠

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-509 (TP-4/5)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 12:27PM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
Perfluorodecanoic Acid (PFDA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
Perfluorododecanoic acid (PFDoA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
Perfluoroheptanesulfonic acid (PFHpS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
Perfluoroheptanoic acid (PFHpA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
Perfluorohexanesulfonic Acid (PFHxS)*	<2.00	ng/L	✓		2.00	18 ng/L	EPA 533	DL-NH	09/27/2024 09:32PM
Perfluorohexanoic acid (PFHxA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
Perfluorononanoic acid (PFNA)*	<2.00	ng/L	✓		2.00	11 ng/L	EPA 533	DL-NH	09/27/2024 09:32PM
Perfluorooctanesulfonic acid (PFOS)*	<2.00	ng/L	✓		2.00	15 ng/L	EPA 533	DL-NH	09/27/2024 09:32PM
Perfluorooctanoic acid (PFOA)*	<2.00	ng/L	✓		2.00	12 ng/L	EPA 533	DL-NH	09/27/2024 09:32PM
Perfluoropentanesulfonic acid (PFPeS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
Perfluoropentanoic acid (PFPeA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
Perfluoroundecanoic acid (PFUnA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 09:32PM
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy-13C3)propanoic acid	67	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:32PM
Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	78	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:32PM
Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	68	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:32PM
Perfluoro-n-[1,2,3,4,5-13C5]pentanoic acid	79	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:32PM
Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	72	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:32PM



Donald A. D'Anjou, Ph. D.
Laboratory Director



GRANITE STATE ANALYTICAL SERVICES, LLC.

22 Manchester Road, Unit 2, Derry, NH 03038
Phone (800) 699-9920 | (603) 432-3044 website www.granitestateanalytical.com

DRINKING WATER NON COMPLIANCE REPORT

DATE PRINTED: 10/02/2024
SAMPLE ID #: 2409-03725-005
SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	✓
Fails EPA Primary	⊗
Fails EPA Secondary	▽
Fails State Guideline	✕
Attention	⚠

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-509 (TP-4/5)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 12:27PM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
Perfluoro-n-[1,2,3,4-13C4]butanoic acid	75	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:32PM
Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	70	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:32PM
Perfluoro-n-[1,2-13C2]dodecanoic acid	89	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:32PM
Perfluoro-n-[13C8]octanoic acid	61	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:32PM
Perfluoro-n-[13C9]nonanoic acid	58	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:32PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]decane sulfonate	158	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:32PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]hexane sulfonate	102	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:32PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]octane sulfonate	109	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:32PM
Sodium perfluoro-[13C8]octanesulfonate	106	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:32PM
Sodium perfluoro-1-[1,2,3-13C3]hexanesulfonate	108	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:32PM
Sodium perfluoro-1-[2,3,4-13C3]butanesulfonate	103	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 09:32PM



Donald A. D'Anjou, Ph. D.
Laboratory Director



GRANITE STATE ANALYTICAL SERVICES, LLC.

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DRINKING WATER NON COMPLIANCE REPORT

DATE PRINTED: 10/02/2024
SAMPLE ID #: 2409-03725-006
SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	
Fails EPA Primary	
Fails EPA Secondary	
Fails State Guideline	
Attention	

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-007 (MVD-7)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 11:32AM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11CI-PF30UdS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF30NS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
Date Extracted	-					No Limit	EPA 533	DL-NH	09/24/2024 07:15AM
Hexafluoropropylene oxide dimer acid (HFPO-DA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
Perfluoro-3-methoxypropanoic acid (PFMPA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
Perfluoro-4-methoxybutanoic acid (PFMBA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
Perfluorobutanesulfonic Acid (PFBS)*	2.53	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
Perfluorobutanoic Acid (PFBA)*	2.66	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM



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DRINKING WATER NON COMPLIANCE REPORT

DATE PRINTED: 10/02/2024
SAMPLE ID #: 2409-03725-006
SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	✓
Fails EPA Primary	⊗
Fails EPA Secondary	▼
Fails State Guideline	✕
Attention	⚠

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-007 (MVD-7)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 11:32AM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
Perfluorodecanoic Acid (PFDA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
Perfluorododecanoic acid (PFDoA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
Perfluoroheptanesulfonic acid (PFHpS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
Perfluoroheptanoic acid (PFHpA)*	3.34	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
Perfluorohexanesulfonic Acid (PFHxS)*	1.29	ng/L	✓	J	2.00	18 ng/L	EPA 533	DL-NH	09/24/2024 08:25PM
Perfluorohexanoic acid (PFHxA)*	2.79	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
Perfluorononanoic acid (PFNA)*	<2.00	ng/L	✓		2.00	11 ng/L	EPA 533	DL-NH	09/24/2024 08:25PM
Perfluorooctanesulfonic acid (PFOS)*	3.11	ng/L	✓		2.00	15 ng/L	EPA 533	DL-NH	09/24/2024 08:25PM
Perfluorooctanoic acid (PFOA)*	24.0	ng/L	✕		2.00	12 ng/L	EPA 533	DL-NH	09/24/2024 08:25PM
Perfluoropentanesulfonic acid (PFPeS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
Perfluoropentanoic acid (PFPeA)*	2.20	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
Perfluoroundecanoic acid (PFUnA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:25PM
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy-13C3)propanoic acid	80	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:25PM
Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	58	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:25PM
Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	57	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:25PM
Perfluoro-n-[1,2,3,4,5-13C5]pentanoic acid	68	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:25PM
Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	78	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:25PM



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DRINKING WATER NON COMPLIANCE REPORT

DATE PRINTED: 10/02/2024
SAMPLE ID #: 2409-03725-006
SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	✓
Fails EPA Primary	⊗
Fails EPA Secondary	▽
Fails State Guideline	✕
Attention	⚠

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-007 (MVD-7)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 11:32AM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
Perfluoro-n-[1,2,3,4-13C4]butanoic acid	83	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:25PM
Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	80	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:25PM
Perfluoro-n-[1,2-13C2]dodecanoic acid	62	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:25PM
Perfluoro-n-[13C8]octanoic acid	79	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:25PM
Perfluoro-n-[13C9]nonanoic acid	64	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:25PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]decane sulfonate	62	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:25PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]hexane sulfonate	175	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:25PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]octane sulfonate	86	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:25PM
Sodium perfluoro-[13C8]octanesulfonate	84	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:25PM
Sodium perfluoro-1-[1,2,3-13C3]hexanesulfonate	91	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:25PM
Sodium perfluoro-1-[2,3,4-13C3]butanesulfonate	83	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:25PM



Donald A. D'Anjou, Ph. D.
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DRINKING WATER NON COMPLIANCE REPORT

DATE PRINTED: 10/02/2024
SAMPLE ID #: 2409-03725-007
SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	
Fails EPA Primary	
Fails EPA Secondary	
Fails State Guideline	
Attention	

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-009 (MVD-8)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 11:39AM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11CI-PF30UdS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
Date Extracted	-					No Limit	EPA 533	DL-NH	09/24/2024 07:15AM
Hexafluoropropylene oxide dimer acid (HFPO-DA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
Perfluoro-3-methoxypropanoic acid (PFMPA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
Perfluoro-4-methoxybutanoic acid (PFMBA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
Perfluorobutanesulfonic Acid (PFBS)*	2.01	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
Perfluorobutanoic Acid (PFBA)*	2.11	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM



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DRINKING WATER NON COMPLIANCE REPORT

DATE PRINTED: 10/02/2024
SAMPLE ID #: 2409-03725-007
SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	✓
Fails EPA Primary	⊗
Fails EPA Secondary	▽
Fails State Guideline	✕
Attention	⚠

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-009 (MVD-8)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 11:39AM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
Perfluorodecanoic Acid (PFDA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
Perfluorododecanoic acid (PFDoA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
Perfluoroheptanesulfonic acid (PFHpS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
Perfluoroheptanoic acid (PFHpA)*	3.31	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
Perfluorohexanesulfonic Acid (PFHxS)*	1.19	ng/L	✓	J	2.00	18 ng/L	EPA 533	DL-NH	09/24/2024 08:43PM
Perfluorohexanoic acid (PFHxA)*	2.94	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
Perfluorononanoic acid (PFNA)*	<2.00	ng/L	✓		2.00	11 ng/L	EPA 533	DL-NH	09/24/2024 08:43PM
Perfluorooctanesulfonic acid (PFOS)*	1.51	ng/L	✓	J	2.00	15 ng/L	EPA 533	DL-NH	09/24/2024 08:43PM
Perfluorooctanoic acid (PFOA)*	21.9	ng/L	✕		2.00	12 ng/L	EPA 533	DL-NH	09/24/2024 08:43PM
Perfluoropentanesulfonic acid (PFPeS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
Perfluoropentanoic acid (PFPeA)*	2.49	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
Perfluoroundecanoic acid (PFUnA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/24/2024 08:43PM
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy-13C3)propanoic acid	84	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:43PM
Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	72	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:43PM
Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	65	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:43PM
Perfluoro-n-[1,2,3,4,5-13C5]pentanoic acid	70	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:43PM
Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	81	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:43PM



Donald A. D'Anjou, Ph. D.
Laboratory Director



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DRINKING WATER NON COMPLIANCE REPORT

DATE PRINTED: 10/02/2024
SAMPLE ID #: 2409-03725-007
SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	✓
Fails EPA Primary	⊗
Fails EPA Secondary	▼
Fails State Guideline	✕
Attention	⚠

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-009 (MVD-8)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 11:39AM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
Perfluoro-n-[1,2,3,4-13C4]butanoic acid	89	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:43PM
Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	83	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:43PM
Perfluoro-n-[1,2-13C2]dodecanoic acid	70	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:43PM
Perfluoro-n-[13C8]octanoic acid	81	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:43PM
Perfluoro-n-[13C9]nonanoic acid	68	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:43PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]decane sulfonate	61	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:43PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]hexane sulfonate	189	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:43PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]octane sulfonate	88	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:43PM
Sodium perfluoro-[13C8]octanesulfonate	81	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:43PM
Sodium perfluoro-1-[1,2,3-13C3]hexanesulfonate	89	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:43PM
Sodium perfluoro-1-[2,3,4-13C3]butanesulfonate	82	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/24/2024 08:43PM



Donald A. D'Anjou

Donald A. D'Anjou, Ph. D.
 Laboratory Director



GRANITE STATE ANALYTICAL SERVICES, LLC.

22 Manchester Road, Unit 2, Derry, NH 03038
Phone (800) 699-9920 | (603) 432-3044 website www.granitestateanalytical.com

DRINKING WATER NON COMPLIANCE REPORT

DATE PRINTED: 10/02/2024
SAMPLE ID #: 2409-03725-008
SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	
Fails EPA Primary	
Fails EPA Secondary	
Fails State Guideline	
Attention	

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-510 (TP-7/8)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 11:45AM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11CI-PF30UdS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
Date Extracted	-					No Limit	EPA 533	DL-NH	09/27/2024 07:30AM
Hexafluoropropylene oxide dimer acid (HFPO-DA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
Perfluoro-3-methoxypropanoic acid (PFMPA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
Perfluoro-4-methoxybutanoic acid (PFMBA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
Perfluorobutanesulfonic Acid (PFBS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
Perfluorobutanoic Acid (PFBA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM



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DRINKING WATER NON COMPLIANCE REPORT

DATE PRINTED: 10/02/2024
SAMPLE ID #: 2409-03725-008
SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	✓
Fails EPA Primary	⊗
Fails EPA Secondary	▽
Fails State Guideline	✕
Attention	⚠

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-510 (TP-7/8)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 11:45AM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
Perfluorodecanoic Acid (PFDA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
Perfluorododecanoic acid (PFDoA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
Perfluoroheptanesulfonic acid (PFHpS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
Perfluoroheptanoic acid (PFHpA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
Perfluorohexanesulfonic Acid (PFHxS)*	<2.00	ng/L	✓		2.00	18 ng/L	EPA 533	DL-NH	09/27/2024 10:13PM
Perfluorohexanoic acid (PFHxA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
Perfluorononanoic acid (PFNA)*	<2.00	ng/L	✓		2.00	11 ng/L	EPA 533	DL-NH	09/27/2024 10:13PM
Perfluorooctanesulfonic acid (PFOS)*	<2.00	ng/L	✓		2.00	15 ng/L	EPA 533	DL-NH	09/27/2024 10:13PM
Perfluorooctanoic acid (PFOA)*	<2.00	ng/L	✓		2.00	12 ng/L	EPA 533	DL-NH	09/27/2024 10:13PM
Perfluoropentanesulfonic acid (PFPeS)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
Perfluoropentanoic acid (PFPeA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
Perfluoroundecanoic acid (PFUnA)*	<2.00	ng/L			2.00	No Limit	EPA 533	DL-NH	09/27/2024 10:13PM
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy-13C3)propanoic acid	66	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 10:13PM
Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	76	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 10:13PM
Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	68	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 10:13PM
Perfluoro-n-[1,2,3,4,5-13C5]pentanoic acid	79	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 10:13PM
Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	71	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 10:13PM



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DRINKING WATER NON COMPLIANCE REPORT

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SAMPLE ID #: 2409-03725-008
SAMPLED BY: Merrimack Village Dist

CHEMICAL RESULTS FOR THE QUARTER 2024
LAB ID#: 1015

Legend	
Passes	✓
Fails EPA Primary	⊗
Fails EPA Secondary	▽
Fails State Guideline	✕
Attention	⚠

SAMPLE CATEGORY: Routine Sample
SYSTEM NAME: Merrimack Village Dist
SYSTEM TOWN: Merrimack
SAMPLE AGENT #:
SAMPLE LOCATION: 1531010-510 (TP-7/8)

EPA ID#: 1531010

DATE & TIME COLLECTED: 09/17/2024 11:45AM
DATE & TIME RECEIVED: 09/17/2024 03:00PM
WATER SYS TYPE:
RECEIPT TEMP: ON ICE 14.4° CELSIUS
CLIENT JOB #:

BAR CODE:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
Perfluoro-n-[1,2,3,4-13C4]butanoic acid	76	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 10:13PM
Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	71	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 10:13PM
Perfluoro-n-[1,2-13C2]dodecanoic acid	86	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 10:13PM
Perfluoro-n-[13C8]octanoic acid	68	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 10:13PM
Perfluoro-n-[13C9]nonanoic acid	63	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 10:13PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]decane sulfonate	152	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 10:13PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]hexane sulfonate	103	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 10:13PM
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]octane sulfonate	110	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 10:13PM
Sodium perfluoro-[13C8]octanesulfonate	108	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 10:13PM
Sodium perfluoro-1-[1,2,3-13C3]hexanesulfonate	107	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 10:13PM
Sodium perfluoro-1-[2,3,4-13C3]butanesulfonate	103	%	✓			50-200%	EPA 533 - IDA	DL-NH	09/27/2024 10:13PM



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**CHAIN OF
CUSTODY**

2409-3425
WORK ORDER#: -001 -> 008

DUE DATE: _____

COMPANY Merrimack Village District
ADDRESS 2 Greens Pond Road
Merrimack, NH 03054
PHONE# (603) 424-9241 x103 Fax# (603) 424-0563
P.O.# 3885
CLIENT CONTACT Jill Lavoie
PROJECT LOCATION/STATE: Merrimack, NH
EMAIL jill.lavoie@mvdwater

CONTAINER TYPE

P-PLASTIC
G-GLASS

SAMPLE TYPE

1. Water 5. Tissue
2. Soil 6. Other
3. Sudge
4. Oil

ANALYSES

PFAS Method 533
GSA Lot # P240621D

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#	SAMPLE IDENTIFICATION	SAMPLE TYPE	CONTAINER			SAMPLING		PRESERVATIVE	ANALYSES												COMMENTS					
			SIZE	TYPE	#	DATE	TIME																			
1	1531010-008 (MVD-2)	1		P	2	9/17/2024	13:02	X																		
2	1531010_012 (MVD 9)	1		P	2	9/17/2024	13:03	X																		
3	1531010-512 (TP- 2/9)	1		P	2	9/17/2024	13:11	X																		
4	1531010-011 (MVD-4R)	1		P	2	9/17/2024	N/A	X																		
45	1531010_005 (MVD-5)	1		P	2	9/17/2024	12:30	X																		
56	1531010_509 (TP-4/5)	1		P	2	9/17/2024	12:27	X																		
67	1531010_007 (MVD-7)	1		P	2	9/17/2024	11:32	X																		
78	1531010_009 (MVD-8)	1		P	2	9/17/2024	11:39	X																		
89	1531010_510 (TP-7/8)	1		P	2	9/17/2024	11:45	X																		

m
9/17/24

Turn Around Time:

RUSH _____ Day TAT

ROUTINE

SAMPLED BY:

Ronald Henery

RELINQUISHED BY:

RELINQUISHED BY:

DATE: 9/17/24

TIME: 1337

DATE:

TIME:

RECEIVED BY:

RECEIVED BY:

RECEIVED FOR LAB BY:

Valerie Connolly

DATE:

TIME:

DATE:

TIME:

DATE: 9.17.24

TIME: 1500

Temp: 14.4 °C on ice (Y/N)

METHOD OF SHIPMENT:

SPECIAL INSTRUCTIONS: **RAW AND TREATED WATER SAMPLES**