



**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

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Attn:

**Boyd Smith**  
**Orono-Veazie Water District**  
**47 Penobscot Street**  
**Orono, ME 04473**

4/13/2022

Phone: (207) 866-4449

Fax:

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 3/30/2022. The results are tabulated on the attached data pages for the following client designated project:

The reference number for these samples is EMSL Order #012204807. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Approved By:

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Owen McKenna, Chemistry Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.

NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, CA ELAP 1877

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

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<http://www.EMSL.com>[EnvChemistry2@emsl.com](mailto:EnvChemistry2@emsl.com)

EMSL Order: 012204807

CustomerID: OVWD34

CustomerPO:

ProjectID:

Attn: **Boyd Smith**  
**Orono-Veazie Water District**  
**47 Penobscot Street**  
**Orono, ME 04473**

Phone: (207) 866-4449  
 Fax:  
 Received: 3/30/2022 09:00 AM

**Analytical Results**

**Client Sample Description** After Treatment **Collected:** 3/28/2022 **Lab ID:** 012204807-0001  
 2:58:00 PM

Method	Parameter	Result	RL	Units	Prep Date & Analyst	Analysis Date & Analyst
<b>LC/MS/MS</b>						
EPA 537.1	ADONA	ND	0.0037	µg/L	3/30/2022 AC	03/30/22 17:19 AC
4,8-dioxa-3H-perfluorononanoic acid MDL: 0.00038 µg/L						
EPA 537.1	9Cl-PF30N	ND	0.0037	µg/L	3/30/2022 AC	03/30/22 17:19 AC
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid MDL: 0.00077 µg/L						
EPA 537.1	11Cl-PF3C	ND	0.0037	µg/L	3/30/2022 AC	03/30/22 17:19 AC
11-chloroicosafluoro-3-oxaundecane-1-sulfonic acid MDL: 0.00086 µg/L						
EPA 537.1	HFPO-DA	ND	0.0037	µg/L	3/30/2022 AC	03/30/22 17:19 AC
Hexafluoropropylene oxide dimer acid MDL: 0.0011 µg/L						
EPA 537.1	N-EtFOSAA	ND	0.0037	µg/L	3/30/2022 AC	03/30/22 17:19 AC
N-ethyl perfluorooctanesulfonamidoacetic acid MDL: 0.00087 µg/L						
EPA 537.1	N-MeFOSAA	ND	0.0037	µg/L	3/30/2022 AC	03/30/22 17:19 AC
N-methyl perfluorooctanesulfonamidoacetic acid MDL: 0.00069 µg/L						
EPA 537.1	PFBS	ND	0.0037	µg/L	3/30/2022 AC	03/30/22 17:19 AC
Perfluorobutanesulfonic acid (PFBS) MDL: 0.00070 µg/L						
EPA 537.1	PFDA	ND	0.0037	µg/L	3/30/2022 AC	03/30/22 17:19 AC
Perfluorodecanoic acid (PFDA) MDL: 0.00069 µg/L						
EPA 537.1	PFDoA	ND	0.0037	µg/L	3/30/2022 AC	03/30/22 17:19 AC
Perfluorododecanoic acid (PFDoA) MDL: 0.00068 µg/L						
EPA 537.1	PFHpA	ND	0.0037	µg/L	3/30/2022 AC	03/30/22 17:19 AC
Perfluoroheptanoic acid (PFHpA) MDL: 0.00061 µg/L						
EPA 537.1	PFHxS	ND	0.0037	µg/L	3/30/2022 AC	03/30/22 17:19 AC
Perfluorohexanesulfonic acid (PFHxS) MDL: 0.00064 µg/L						
EPA 537.1	PFHxA	ND	0.0037	µg/L	3/30/2022 AC	03/30/22 17:19 AC
Perfluorohexanoic acid (PFHxA) MDL: 0.00062 µg/L						
EPA 537.1	PFNA	ND	0.0037	µg/L	3/30/2022 AC	03/30/22 17:19 AC
Perfluoronanoic acid (PFNA) MDL: 0.00058 µg/L						
EPA 537.1	PFOS	ND	0.0037	µg/L	3/30/2022 AC	03/30/22 17:19 AC
Perfluorooctanesulfonic acid (PFOS) MDL: 0.00052 µg/L						
EPA 537.1	PFOA	ND	0.0037	µg/L	3/30/2022 AC	03/30/22 17:19 AC
Perfluorooctanoic acid (PFOA) MDL: 0.0011 µg/L						
EPA 537.1	PFTeDA	ND	0.0037	µg/L	3/30/2022 AC	03/30/22 17:19 AC
Perfluorotetradecanoic acid (PFTA) MDL: 0.00057 µg/L						
EPA 537.1	PFTrDA	ND	0.0037	µg/L	3/30/2022 AC	03/30/22 17:19 AC
Perfluorotridecanoic acid (PFTrDA) MDL: 0.00058 µg/L						
EPA 537.1	PFUdA	ND	0.0037	µg/L	3/30/2022 AC	03/30/22 17:19 AC
Perfluoroundecanoic acid (PFUnA) MDL: 0.00058 µg/L						



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EMSL Order:	012204807
CustomerID:	OVWD34
CustomerPO:	
ProjectID:	

### Definitions:

MDL - method detection limit

J - Result was below the reporting limit, but at or above the MDL

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit (Analytical)

D - Dilution Sample required a dilution which was used to calculate final results



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS - TRAINING

# PFAS/PFOA/PFOS/PFNA in Drinking Water

## Chain of Custody

EMSL Order Number (Lab Use Only):

012204807

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-0262

Report To Contact Name: <u>Boyd Smith</u>		Bill To Company: <u>Orono Veazie Water Dist.</u>				
Company Name: <u>Orono Veazie Water Dist</u>		Attention To: <u>Boyd Smith</u>				
Street: <u>47 Penobscot St.</u>		Street: <u>47 Penobscot St.</u>				
City: <u>Orono</u>		City: <u>Orono</u>				
State/Province: <u>ME</u>		State/Province: <u>ME</u>				
Zip/Postal Code: <u>04473</u>		Zip/Postal Code: <u>04473</u>				
Phone: <u>207-866-4449</u>		Phone: <u>207-866-4449</u>				
Fax: _____		Fax: _____				
Project Name: _____		Purchase Order: _____				
Email Results To: <u>Lab @ ORONO.ORG</u>		Date of Shipment: _____				
Number of Samples in Shipment: _____		State Reporting Required? (Y/N) <u>Y</u>				
U.S. State where Samples Collected: <u>ME</u>		Samples Received Chilled? (Y/N) _____				
Sample for Compliance? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, NPDES? <input checked="" type="checkbox"/>		PWS ID #: <u>91210</u>				
Other (Specify): _____		The Following TATs are subject to lab approval: <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Day <input type="checkbox"/> 4 Days				
Sampled By (Signature): <u>[Signature]</u>		Choose one of 2 methods, note below:				
Standard Turnaround Time: <input checked="" type="checkbox"/> 1 Weeks <input type="checkbox"/> 3 Weeks <input type="checkbox"/> 4 Weeks		1) EPA 537 2) EPA 537.1 *EPA 537 not avail for C-PFAS 18				
Client Sample ID	Collect Date/Time	Matrix	Preservative	Choose one of the 6 test options, note below per sample:	Field Temp Deg C	Comments
① After Treatment	3/29/22 2:58	Drinking Water	TRIZMA	1) C-PFNA 2) C-PFOA 3) C-PFOS *EPA 537 not avail for C-PFAS 18	8°	N/A
		Drinking Water	TRIZMA	4) C-PFAS 3 5) C-PFAS 14 6) C-PFAS 18	9°	
		Drinking Water	TRIZMA	*EPA 537 not avail for C-PFAS 18		
		Drinking Water	TRIZMA			
Released By (Signature): <u>[Signature]</u>		Date & Time: <u>3/29/22</u>		Received By: <u>Chad O'Sullivan</u>		Date & Time: <u>3/30/22 9:00</u> <u>3/30/22 9h</u>
Instructions or Comments:						

Note: Field Temperature should be tested on the same date & time of sample collection.

(Lab) Received Temperature: 5.7 °C ON ICE

Controlled Document - CQC-76 Environmental Chemistry PFAS PFOA - R0 - 11/15/2019

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this chain of custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

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