



***State of Vermont Department of Health  
Drinking Water Laboratory Certification***

***EMSL Analytical Inc.  
Cinnaminson, NJ***

***Is certified to perform analyses on drinking water pursuant to their most recent Drinking Water Laboratory Certification Listing.***

Mark Levine, Digitally signed by Mark  
Levine, MD  
Date: 2024.09.03  
12:18:41 -04'00'  
MD

*Commissioner of Health*

Ali Boren, Digitally signed by Ali  
Boren  
Date: 2024.08.28  
15:29:10 -04'00'

*Laboratory Certification Officer*

October 3, 2024

*Date certified*

VT – 04006

*Laboratory Number*

October 3, 2025

*Certificate expiration date*

0400624

*Certificate Number*

# Drinking Water Laboratory Certification Listing

EMSL Analytical, Inc.  
Cinnaminson, NJ

Lab ID: VT 04006  
Listing Number: 0400624C  
Effective Date: April 3, 2025  
Expiration Date: October 3, 2025



## METALS

Analyte Number	Analyte	Method	Regulatory Category
1000	Aluminum	EPA 200.7	
1000	Aluminum	EPA 200.8	
1005	Antimony	EPA 200.8	IOC
1010	Arsenic	EPA 200.8	IOC
1015	Barium	EPA 200.7	IOC
1015	Barium	EPA 200.8	IOC
1020	Beryllium	EPA 200.8	IOC
1030	Cadmium	EPA 200.7	IOC
1030	Cadmium	EPA 200.8	IOC
1035	Calcium	EPA 200.7	
1040	Chromium, total	EPA 200.7	IOC
1040	Chromium, total	EPA 200.8	IOC
1055	Copper	EPA 200.7	IOC
1055	Copper	EPA 200.8	IOC
1070	Iron	EPA 200.7	IOC
1075	Lead	EPA 200.8	IOC
1085	Magnesium	EPA 200.7	
1090	Manganese	EPA 200.7	IOC
1090	Manganese	EPA 200.8	IOC
1105	Nickel	EPA 200.7	IOC
1105	Nickel	EPA 200.8	IOC
1140	Selenium	EPA 200.8	IOC
1150	Silver	EPA 200.7	IOC
1150	Silver	EPA 200.8	IOC
1155	Sodium	EPA 200.7	IOC

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Analyte Number	Analyte	Method	Regulatory Category
1165	Thallium	EPA 200.8	IOC
1184	Uranium	EPA 200.8	RAD
1190	Zinc	EPA 200.7	IOC
1190	Zinc	EPA 200.8	IOC

## INORGANIC ANALYTES

Analyte Number	Analyte	Method	Regulatory Category
1520	Asbestos	EPA 100.1	ASB
1520	Asbestos	EPA 100.2	ASB

## PERFLUORINATED ANALYTES

Analyte Number	Analyte	Method	Regulatory Category
9490	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	EPA 533	PFAS
9490	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	EPA 537.1 Rev 2	PFAS
6952	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	EPA 533	PFAS
6952	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	EPA 537.1 Rev 2	PFAS
6951	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 533	PFAS
6951	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 537.1 Rev 2	PFAS
4846	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	EPA 537.1 Rev 2	PFAS
9460	Hexafluoropropylene oxide dimer acid (HFPO-DA)	EPA 533	PFAS
9460	Hexafluoropropylene oxide dimer acid (HFPO-DA)	EPA 537.1 Rev 2	PFAS

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Analyte Number	Analyte	Method	Regulatory Category
4847	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	EPA 537.1 Rev 2	PFAS
6956	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	EPA 533	PFAS
6918	Perfluorobutanesulfonic acid (PFBS)	EPA 533	PFAS
6918	Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 Rev 2	PFAS
6915	Perfluorobutanoic acid (PFBA)	EPA 533	PFAS
6948	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	EPA 533	PFAS
6905	Perfluorodecanoic acid (PFDA)	EPA 533	PFAS
6905	Perfluorodecanoic acid (PFDA)	EPA 537.1 Rev 2	PFAS
6903	Perfluorododecanoic acid (PFDoA)	EPA 533	PFAS
6903	Perfluorododecanoic acid (PFDoA)	EPA 537.1 Rev 2	PFAS
6957	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	EPA 533	PFAS
9470	Perfluoroheptanesulfonic acid (PFHpS)	EPA 533	PFAS
6908	Perfluoroheptanoic acid (PFHpA)	EPA 533	PFAS
6908	Perfluoroheptanoic acid (PFHpA)	EPA 537.1 Rev 2	PFAS
6927	Perfluorohexanesulfonic acid (PFHxS)	EPA 533	PFAS
6927	Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 Rev 2	PFAS
6946	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	EPA 533	PFAS
6913	Perfluorohexanoic acid (PFHxA)	EPA 533	PFAS
6913	Perfluorohexanoic acid (PFHxA)	EPA 537.1 Rev 2	PFAS
6966	Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA 533	PFAS
6965	Perfluoro-3-methoxypropoanoic acid (PFMPA)	EPA 533	PFAS
6906	Perfluorononanoic acid (PFNA)	EPA 533	PFAS
6906	Perfluorononanoic acid (PFNA)	EPA 537.1 Rev 2	PFAS
6931	Perfluorooctanesulfonic acid (PFOS)	EPA 533	PFAS
6931	Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 Rev 2	PFAS

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Analyte Number	Analyte	Method	Regulatory Category
6947	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	EPA 533	PFAS
6912	Perfluorooctanoic acid (PFOA)	EPA 537.1 Rev 2	PFAS
6912	Perfluorooctanoic acid (PFOA)	EPA 533	PFAS
6934	Perfluoropentanesulfonic acid (PFPeS)	EPA 533	PFAS
6914	Perfluoropentanoic acid (PFPeA)	EPA 533	PFAS
6902	Perfluorotetradecanoic acid (PFTA)	EPA 537.1 Rev 2	PFAS
9563	Perfluorotridecanoic acid (PFTTrDA)	EPA 537.1 Rev 2	PFAS
6904	Perfluoroundecanoic acid (PFUnA)	EPA 533	PFAS
6904	Perfluoroundecanoic acid (PFUnA)	EPA 537.1 Rev 2	PFAS

## RADIOLOGICAL ANALYTES

Analyte Number	Analyte	Method	Regulatory Category
2830	Gross Alpha	EPA 900.0	RAD
2840	Gross Beta	EPA 900.0	RAD
2965	Radium-226	EPA 903.0	RAD
2970	Radium-228	EPA 904.0	RAD
1184	Uranium	EPA 200.8	RAD
2985	Radon	SM 7500-Rn B	

Certification Officer

Vermont Certification is based in part upon current New Jersey Accreditation Certificate, activity ID 240008, March 10, 2025 through June 30, 2025. Laboratories are certified in Vermont based, in part, upon its Primary Accrediting Body(ies) drinking water accreditation(s). Loss of drinking water primary accreditation (in part or whole) constitutes loss of certification in Vermont for the same drinking water tests.

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Regulatory Category	Explanation
BACT (QUAL)	Qualitative (presence/absence) analysis of total coliform bacteria and <i>E. coli</i>
BACT (QUANT, LT2)	Quantitative analysis of total coliform bacteria, <i>E. coli</i> , Cryptosporidium and Giardia
IOC	Inorganic chemicals (ex. metals, nitrate and nitrite)
ASB	Asbestos
HAA5	Haloacetic acids
THMs	Trihalomethanes
VOC	Volatile organic compounds
SOC A	Synthetic organic chemicals sub-group A (EDB and DCBP)
SOC B	Synthetic organic chemicals sub-group B (Carbamates)
SOC C	Synthetic organic chemicals sub-group C (Herbicides)
SOC D	Synthetic organic chemicals sub-group D (Pesticides, phthalates, PCBs)
PFAS	Per- and polyfluoroalkyl substances
RAD	Radiochemical compounds