



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

***Enthalpy Analytical LLC
El Dorado Hills, California***

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

Julie Arel

Digitally signed by Julie
Arel
Date: 2025.06.18
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Commissioner of Health

Ali Boren

Digitally signed by Ali
Boren
Date: 2025.06.18
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Laboratory Certification Officer

July 9, 2025

Date certified

VT – 4042

Laboratory Number

July 9, 2026

Certificate expiration date

404225

Certificate Number

Drinking Water Laboratory Certification Listing

Enthalpy Analytical, LLC

El Dorado Hills, CA

Lab ID: VT 4042
Listing Number: 404225A
Effective Date: July 9, 2025
Expiration Date: July 9, 2026



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
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

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Analyte Number	Analyte	Method	Regulatory Category
6957	Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	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-methoxypropionoic 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
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

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Ali Boren

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Boren
Date: 2025.06.18
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Certification Officer

Vermont Certification is based in part upon current Oregon Accreditation Certificate of Approval number 4042-027, February 8, 2025 to February 7, 2026. 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.

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