

Vermont Drinking Water Laboratory Certification Listing

Listing Number 17320422A

Effective December 2, 2022 provided for in 18 VSA 501b

Expiration Date December 2, 2023

This listing is not valid without accompanying Vermont Certificate

**Absolute Resource Associates, LLC**

**Portsmouth, NH**

**DRINKING WATER METALS**

Aluminum: EPA 200.8  
Antimony: EPA 200.8  
Arsenic: EPA 200.8  
Barium: EPA 200.8  
Beryllium: EPA 200.8  
Boron: EPA 200.8  
Cadmium: EPA 200.8  
Calcium: EPA 200.8  
Chromium, total: EPA 200.8  
Copper: EPA 200.8  
Iron: EPA 200.8  
Lead: EPA 200.8  
Magnesium: EPA 200.8  
Manganese: EPA 200.8  
Mercury: EPA 245.1  
Molybdenum: EPA 200.8  
Nickel: EPA 200.8  
Potassium: EPA 200.8  
Selenium: EPA 200.8  
Silver: EPA 200.8  
Sodium: EPA 200.8  
Thallium: EPA 200.8  
Uranium: EPA 200.8  
Vanadium: EPA 200.8  
Zinc: EPA 200.8

**DRINKING WATER INORGANIC CONTAMINANTS**

Alkalinity: SM 2320 B  
Chloride: EPA 300.0  
Conductivity (specific conductance): SM 2510 B  
Cyanide, Free: SM 4500-CN F  
Fluoride: EPA 300.0  
Hardness, total: SM 2340 B  
Nitrate-N: EPA 300.0  
Nitrate-Nitrite, Total: EPA 300.0  
Nitrite-N: EPA 300.0 EPA 4500-NO<sub>2</sub> B  
Orthophosphate: EPA 300.0 EPA 365.3  
pH: SM 4500-H<sup>+</sup> B  
Residue, Total Filterable (TDS): SM 2540 C  
Sulfate: EPA 300.0  
Sulfide: SM 4500-S2 D  
Total Organic Carbon (TOC): SM 5310 C  
Turbidity: SM 2130 B

**INDIVIDUAL DRINKING WATER ORGANIC CONTAMINANTS**

DBCP: EPA 524.2  
EDB: EPA 524.2  
1,2,3 Trichloropropane: EPA 524.2

**DRINKING WATER TRIHALOMETHANES**

Bromodichloromethane: EPA 524.2  
Bromoform: EPA 524.2  
Chlorodibromomethane: EPA 524.2  
Chloroform: EPA 524.2  
Total Trihalomethanes: EPA 524.2

**DRINKING WATER VOLATILE ORGANICS****DRINKING WATER VOLATILE ORGANICS (cont.)**

Benzene:  
     EPA 524.2  
 Bromobenzene:  
     EPA 524.2  
 Bromochloromethane:  
     EPA 524.2  
 Bromomethane:  
     EPA 524.2  
 n-Butylbenzene:  
     EPA 524.2  
 sec-Butylbenzene:  
     EPA 524.2  
 tert-Butylbenzene:  
     EPA 524.2  
 Carbon Tetrachloride:  
     EPA 524.2  
 Chlorobenzene:  
     EPA 524.2  
 Chloroethane:  
     EPA 524.2  
 Chloromethane:  
     EPA 524.2  
 2-Chlorotoluene:  
     EPA 524.2  
 4-Chlorotoluene:  
     EPA 524.2  
 Dibromomethane:  
     EPA 524.2  
 1,2-Dichlorobenzene:  
     EPA 524.2  
 1,3-Dichlorobenzene:  
     EPA 524.2  
 1,4-Dichlorobenzene:  
     EPA 524.2  
 Dichlorodifluoromethane:  
     EPA 524.2  
 1,1-Dichloroethane:  
     EPA 524.2  
 1,2-Dichloroethane:  
     EPA 524.2  
 c-1,2-Dichloroethene:  
     EPA 524.2  
 t 1,2-Dichloroethylene:  
     EPA 524.2  
 1,1-Dichloroethylene:  
     EPA 524.2  
 Dichloromethane:  
     EPA 524.2  
 1,2-Dichloropropane:  
     EPA 524.2  
 1,3-Dichloropropane:  
     EPA 524.2  
 2,2-Dichloropropane:  
     EPA 524.2  
 1,1-Dichloropropene:  
     EPA 524.2  
 c 1,3-Dichloropropene:  
     EPA 524.2  
 t 1,3-Dichloropropene:  
     EPA 524.2  
 Ethylbenzene:  
     EPA 524.2  
 Hexachlorobutadiene:  
     EPA 524.2  
 Isopropylbenzene:  
     EPA 524.2

4-Isopropyltoluene:  
     EPA 524.2  
 Methyl t-Butyl Ether (MTBE):  
     EPA 524.2  
 Naphthalene:  
     EPA 524.2  
 n-Propylbenzene:  
     EPA 524.2  
 Styrene:  
     EPA 524.2  
 1,1,1,2-Tetrachloroethane:  
     EPA 524.2  
 1,1,2,2-Tetrachloroethane:  
     EPA 524.2  
 Tetrachloroethylene:  
     EPA 524.2  
 Toluene:  
     EPA 524.2  
 1,2,3-Trichlorobenzene:  
     EPA 524.2  
 1,2,4-Trichlorobenzene:  
     EPA 524.2  
 1,1,1-Trichloroethane:  
     EPA 524.2  
 1,1,2-Trichloroethane:  
     EPA 524.2  
 Trichloroethylene:  
     EPA 524.2  
 Trichlorofluoromethane:  
     EPA 524.2  
 1,2,4-Trimethylbenzene:  
     EPA 524.2  
 1,3,5-Trimethylbenzene:  
     EPA 524.2  
 Total Xylenes:  
     EPA 524.2  
 Vinyl Chloride:  
     EPA 524.2

**DRINKING WATER ORGANIC CONTAMINANTS**

Perfluorinated Chemicals (PFOA/PFOS and others):

N-ethyl perfluorooctanesulfonamidoacetic acid  
 (NEtFOSAA):  
     EPA 537.1  
 N-methyl perfluorooctanesulfonamidoacetic acid  
 (NMeFOSAA):  
     EPA 537.1  
 Perfluorobutanesulfonic acid (PFBS):  
     EPA 537.1      EPA 533  
 Perfluorodecanoic acid (PFDA):  
     EPA 537.1      EPA 533  
 Perfluorododecanoic acid (PFDoA):  
     EPA 537.1      EPA 533  
 Perfluoroheptanoic acid (PFHpA):  
     EPA 537.1      EPA 533  
 Perfluorohexanesulfonic acid (PFHxS):  
     EPA 537.1      EPA 533  
 Perfluorohexanoic acid (PFHxA):  
     EPA 537.1      EPA 533  
 Perfluorononanoic acid (PFNA):  
     EPA 537.1      EPA 533

**Perfluorinated Chemicals (cont):**

Perfluorooctanesulfonic acid (PFOS):  
EPA 537.1 EPA 533  
Perfluorooctanoic acid (PFOA):  
EPA 537.1 EPA 533  
Perfluorotetradecanoic acid (PFTA):  
EPA 537.1  
Perfluorotridecanoic acid (PFTTrDA):  
EPA 537.1  
Perfluoroundecanoic acid (PFUnA):  
EPA 537.1 EPA 533  
Hexafluoropropylene oxide dimer acid (HFPO-DA):  
EPA 537.1 EPA 533  
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid  
(11Cl-PF3OUdS):  
EPA 537.1 EPA 533  
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-  
PF3ONS):  
EPA 537.1 EPA 533  
4,8-dioxa-3H-perfluorononanoic acid (ADONA):  
EPA 537.1 EPA 533  
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA):  
EPA 533

**Perfluorinated Chemicals (cont):**

Perfluorobutanoic acid (PFBA):  
EPA 533  
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS):  
EPA 533  
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA):  
EPA 533  
Perfluoroheptanesulfonic acid (PFHpS):  
EPA 533  
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS):  
EPA 533  
Perfluoro-3-methoxypropanoic acid (PFMPA):  
EPA 533  
Perfluoro-4-methoxybutanoic acid (PFMBA):  
EPA 533  
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS):  
EPA 533  
Perfluoropentanoic acid (PFPeA):  
EPA 533  
Perfluoropentanesulfonic acid (PFPeS):  
EPA 533

By:



Ali Boren  
Certification Officer  
Date signed November 17, 2022

As of December 2, 2022, this list supersedes all previous lists for this certificate number. Vermont Certification is based in part upon current New Hampshire Accreditation Certificate of Approval number 173222-D, January 26, 2022 – January 25, 2023. Laboratories are certified in Vermont based, in part, upon its Primary Accrediting Body(ies) drinking water accreditation(s). Also, loss of drinking water primary accreditation (in part or whole) constitutes loss of certification in Vermont for the same drinking water tests.