




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

*Eastern Analytical, Inc.  
Concord, New Hampshire*

*Is certified to perform microbiological, inorganic and organic analyses on drinking water pursuant to the  
certification letter dated November 16, 2019.*

  
\_\_\_\_\_  
Commissioner of Health

  
\_\_\_\_\_  
Laboratory Certification Officer

November 16, 2019  
Date certified

VT - 101204  
Laboratory Number

November 16, 2020  
Certificate expiration date



Vermont Drinking Water Certification  
Analytical Methods  
Issued November 16, 2019 as provided for in 18 VSA 501b  
Expiration Date November 16, 2020  
This listing is not valid without accompanying Vermont Certificate  
**Eastern Analytical, Inc.**  
**Concord, NH**

**DRINKING WATER MICRO MICROBIOLOGY**

Total Coliform & *E. coli* (SM 9223 B):  
Colilert, P/A                      Colilert, quantitray  
Colisure, P/A                      Colisure, quantitray  
Colilert-18, P/A                      Colilert-18, quantitray  
Heterotrophic Plate Count:  
SimPlate  
Enterococci:  
Enterolert

**DRINKING WATER METALS (cont.)**

Thallium:  
EPA 200.8  
Uranium:  
EPA 200.8  
Vanadium:  
EPA 200.7                      EPA 200.8  
Zinc:  
EPA 200.7                      EPA 200.8

**DRINKING WATER METALS**

Aluminum:  
EPA 200.7                      EPA 200.8  
Antimony:  
EPA 200.8  
Arsenic:  
EPA 200.8  
Barium:  
EPA 200.7                      EPA 200.8  
Beryllium:  
EPA 200.7                      EPA 200.8  
Boron:  
EPA 200.7  
Cadmium:  
EPA 200.7                      EPA 200.8  
Calcium:  
EPA 200.7  
Chromium, total:  
EPA 200.7                      EPA 200.8  
Copper:  
EPA 200.7                      EPA 200.8  
Iron:  
EPA 200.7  
Lead:  
EPA 200.8  
Magnesium:  
EPA 200.7  
Manganese:  
EPA 200.7                      EPA 200.8  
Mercury:  
EPA 200.8  
Molybdenum:  
EPA 200.7                      EPA 200.8  
Nickel:  
EPA 200.7                      EPA 200.8  
Selenium:  
EPA 200.8  
Silver:  
EPA 200.7                      EPA 200.8  
Sodium:  
EPA 200.7

**DRINKING WATER INORGANIC CONTAMINANTS**

Alkalinity:  
SM 2320 B  
Chloride  
EPA 300.0  
Chlorine, Free:  
SM 4500-Cl G  
Chlorine, Total:  
SM 4500-Cl G  
Color:  
EPA 110.2                      SM 2120 B  
Conductivity (Specific Conductance):  
EPA 120.1                      SM 2510 B  
Cyanide, Total:  
SM 4500-CN E  
Cyanide, Free:  
OIA-1677-09  
Cyanide, Available:  
OIA-1677-09  
DOC:  
SM 5310 C  
Fluoride:  
EPA 300.0  
Hardness:  
EPA 200.8                      SM 2340 B  
Hardness (Calc.):  
EPA 200.7                      EPA 200.8  
Nitrate-N:  
EPA 300.0                      EPA 353.2  
Nitrate (Calc.):  
EPA 353.2  
Nitrate-Nitrite, Total:  
EPA 300.0                      EPA 353.2  
Nitrite-N:  
EPA 300.0                      EPA 353.2  
Odor:  
SM 2150 B  
Orthophosphate:  
EPA 365.1  
pH:  
EPA 150.1                      SM 4500-H+ B

**DRINKING WATER INORGANIC CONTAMINANTS (cont.)**

Residue, Total Filterable (TDS):  
 SM 2540 C  
 Sulfate:  
 EPA 300.0  
 TOC:  
 SM 5310 C  
 Turbidity:  
 EPA 180.1 SM 2130 B  
 UV 254:  
 SM 5910 B  
 Silica:  
 EPA 200.7

**DRINKING WATER ACIDS, BASE/NEUTRALS**

Benzo(a)pyrene:  
 EPA 525.2  
 Di(2-ethylhexyl)adipate:  
 EPA 525.2  
 Di(2-ethylhexyl)phthalate:  
 EPA 525.2

**DRINKING WATER CARBAMATES**

Aldicarb:  
 EPA 531.2  
 Aldicarb Sulfone:  
 EPA 531.2  
 Aldicarb Sulfoxide:  
 EPA 531.2  
 Baygon (Propoxur):  
 EPA 531.2  
 Carbaryl:  
 EPA 531.2  
 Carbofuran:  
 EPA 531.2  
 3-Hydroxycarbofuran:  
 EPA 531.2  
 Methiocalb:  
 EPA 531.2  
 Methomyl:  
 EPA 531.2  
 Vydate (Oxamyl):  
 EPA 531.2

**INDIVIDUAL DRINKING WATER ORGANIC CONTAMINANTS**

DBCP:  
 EPA 504.1  
 EDB:  
 EPA 504.1

**DRINKING WATER HERBICIDES**

Acifluorfen:  
 EPA 515.4  
 2,4-D:  
 EPA 515.4  
 Dinoseb:  
 EPA 515.4  
 Pentachlorophenol:  
 EPA 515.4  
 Picloram:  
 EPA 515.4  
 2,4,5-TP (Silvex):  
 EPA 515.4

**DRINKING WATER ORGANIC DISINFECTION BY-PRODUCTS/HALOACETIC ACIDS**

Bromoacetic Acid:  
 EPA 552.3  
 Chloroacetic Acid:  
 EPA 552.3  
 Dibromoacetic Acid:  
 EPA 552.3  
 Dichloroacetic Acid:  
 EPA 552.3  
 Trichloroacetic Acid:  
 EPA 552.3  
 Total Haloacetic Acids:  
 EPA 552.3

**DRINKING WATER INSECTICIDES (PESTICIDES)**

Alachlor:  
 EPA 525.2  
 Aldrin:  
 EPA 525.2  
 Atrazine:  
 EPA 525.2  
 Butachlor:  
 EPA 525.2  
 Chlordane:  
 EPA 505  
 4,4'-DDD:  
 EPA 525.2  
 4,4'-DDE:  
 EPA 525.2  
 4,4'-DDT:  
 EPA 525.2  
 Dieldrin:  
 EPA 525.2  
 Endrin:  
 EPA 525.2  
 Heptachlor:  
 EPA 525.2  
 Heptachlor Epoxide:  
 EPA 525.2  
 Hexachlorobenzene:  
 EPA 525.2  
 Hexachlorocyclopentadiene:  
 EPA 525.2  
 Lindane:  
 EPA 525.2  
 Methoxychlor:  
 EPA 525.2  
 Metolachlor:  
 EPA 525.2  
 Propachlor:  
 EPA 525.2  
 Simazine:  
 EPA 525.2  
 Toxaphene:  
 EPA 505

**DRINKING WATER TRIHALOMETHANES**

Bromodichloromethane:  
 EPA 524.2  
 Bromoform:  
 EPA 524.2  
 Chlorodibromomethane:  
 EPA 524.2

**DRINKING WATER TRIHALOMETHANES (cont.)**

Chloroform:  
EPA 524.2  
Total Trihalomethanes:  
EPA 524.2

**DRINKING WATER VOLATILE ORGANICS**

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  
Dibromochloromethane:  
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

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

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  
1,1,1,2-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

By:



Ali Boren

Certification Officer

Date signed and effective November 16, 2019

As of November 16, 2019, 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 101219, January 21, 2019 – January 20, 2020. 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.