

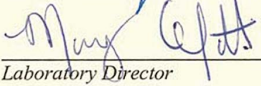


*State of Vermont Department of Health  
Drinking Water Laboratory Certification*

*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, 2016.*

  
Commissioner of Health

  
Laboratory Director

  
Laboratory Certification Officer

November 16, 2016  
Date certified

VT - 101204  
Laboratory Number

November 16, 2017  
Certificate expiration date

Vermont Drinking Water Certification  
Analytical Methods  
Issued November 16, 2016 as provided for in 18 VSA 501b  
Expiration Date November 16, 2017  
This listing is not valid without accompanying Vermont Certificate  
**Eastern Analytical, Inc.**  
**Concord, NH**

**DRINKING WATER MICRO**

E. coli:  
Colisure  
Heterotrophic Plate Count:  
SM 9215B  
Total Coliform & E. coli:  
Chromogenic/fluorogenic substrate test, total coliform.  
Colilert, SM 9223 B      Colisure

**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: 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 200.8  
Molybdenum: EPA 200.8  
Nickel: EPA 200.8  
Selenium: EPA 200.8  
Silver: EPA 200.8

**DRINKING WATER METALS (cont.)**

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: EPA 310.1      SM 2320 B  
Bromide: EPA 300.0  
Chloride: EPA 300.0      EPA 325.2  
                  SM 4500Cl- E  
Chlorine, Total: SM 4500Cl E  
Color: EPA 110.2      SM 2120 B  
Conductivity(Specific Conductance): EPA 120.1      SM 2510 B  
Cyanide, Total: SM 4500-CN E  
DOC: SM 5310 C  
Fluoride: EPA 300.0  
Hardness: EPA 200.8      SM 2340 B  
Hardness (Calc.): 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

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

pH:  
 EPA 150.1 SM 4500 H+B  
 Residue, Total Filterable (TDS):  
 EPA 160.1 SM 2540 C  
 Sulfate:  
 EPA 300.0  
 TOC:  
 SM 5310 C  
 Turbidity:  
 EPA 180.1 SM 2130 B  
 UV 254:  
 SM 5910 B  
 Perchlorate:  
 EPA 314.0

**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-Hydrocarbofuran:  
 EPA 531.2  
 Methiocarb:  
 EPA 531.2  
 Methomyl:  
 EPA 531.2  
 Proxopoxur:  
 EPA 531.2  
 Vydate (Oxamyl):  
 EPA 531.2

**DRINKING WATER HERBICIDES**

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

**DRINKING WATER HERBICIDES (cont.)**

Pentachlorophenol:  
 EPA 515.4  
 Picloram:  
 EPA 515.4

**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

**INDIVIDUAL DRINKING WATER ORGANIC CONTAMINANTS**

DBCP:  
 EPA 504.1  
 EDB:  
 EPA 504.1  
 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**

Benzene:  
EPA 524.2  
Bromobenzene:  
EPA 524.2  
Bromochloromethane:  
EPA 524.2  
Bromodichloromethane:  
EPA 524.2  
Bromoform:  
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  
Chloroform:  
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

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

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  
1,1,1,2,2-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  
1,2,3 Trichloropropane:  
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:



William G. Mills

Certification Officer

Date signed and effective November 16, 2016

As of November 16, 2016 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 101216, January 21, 2016 – January 20, 2017. Laboratories are certified in Vermont based, in part, upon its Primary Accrediting Authority(ies) drinking water accreditation. Also, loss of drinking water primary accreditation (in part or whole) constitutes loss of certification in Vermont for the same drinking water tests.