

**Vermont Drinking Water Certification**  
**Analytical Methods**  
 Issued October 28, 2018 as provided for in 18 VSA 501b  
 Expiration Date October 28, 2019  
 This listing is not valid without accompanying Vermont Certificate  
**Phoenix Environmental Laboratory, Inc.**  
**Manchester, CT**

**DRINKING WATER MICRO**

E. coli: SM 9222B NA+MUG  
 Heterotrophic Plate Count:  
 SM 9215B  
 Total Coliform:  
 Sm 9222B  
 Total Coliform & E. coli:  
 Chromogenic/fluorogenic substrate test, total coliform  
 Colilert, SM 9223 B  
 Enterococci:  
 Enterolert, MPN

**DRINKING WATER METALS (cont.)**

Sodium: EPA 200.7  
 Thallium: EPA 200.8 EPA 200.9  
 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 EPA 200.9 SM 3113 B  
 Arsenic: EPA 200.8 EPA 200.9 SM 3113 B  
 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 EPA 200.9 SM 3113 B  
 Magnesium: EPA 200.7  
 Manganese: EPA 200.7 EPA 200.8  
 Mercury: EPA 245.1  
 Molybdenum: EPA 200.7 EPA 200.8  
 Nickel: EPA 200.7 EPA 200.8  
 Selenium: EPA 200.8 EPA 200.9 SM 3113 B  
 Silver: EPA 200.7 EPA 200.8

**DRINKING WATER INORGANIC CONTAMINANTS**

Alkalinity: SM 2320 B  
 Chloride: EPA 300.0 SM 4500Cl- E  
 Color: SM 2120B  
 Conductivity (Specific Conductance):  
 SM 2510 B  
 Cyanide, Total: EPA 335.4  
 DOC: SM 5310 B  
 Fluoride: EPA 300.0 SM 4500-F- C  
 Hardness (Calc.): EPA 200.7  
 Nitrate-N: EPA 300.0 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 (as P): SM 4500-P, E  
 pH: SM 4500H\* B  
 Residue, Total Filterable (TDS):  
 SM 2540 C  
 Sulfate: EPA 300.0 SM 4500-SO<sub>4</sub> D  
 Surfactants: SM 5540 C  
 TOC: SM 5310 B  
 Turbidity: SM 2130 B  
 UV 254: SM 5910B

**DRINKING WATER ACIDS, BASE/NEUTRALS**

Benzo(a)pyrene:  
EPA 525.3  
Di(2-ethylhexyl)adipate:  
EPA 525.3  
Di(2-ethylhexyl)phthalate:  
EPA 525.3

**DRINKING WATER CARBAMATES**

Aldicarb:  
EPA 531.2  
Aldicarb Sulfone:  
EPA 531.2  
Aldicarb Sulfoxide:  
EPA 531.2  
Carbaryl:  
EPA 531.2  
Carbofuran:  
EPA 531.2  
3-Hydrocarbofuran:  
EPA 531.2  
Methomyl:  
EPA 531.2  
Vydate (Oxamyl):  
EPA 531.2

**DRINKING WATER HERBICIDES**

2,4-D:  
EPA 515.3  
Dalapon:  
EPA 515.3  
Dicamba:  
EPA 515.3  
Dinoseb:  
EPA 515.3  
Pentachlorophenol:  
EPA 515.3  
Picloram:  
EPA 515.3  
2,4,5-TP (Silvex):  
EPA 515.3

**DRINKING WATER INSECTICIDES (PESTICIDES)**

Alachlor:  
EPA 525.3  
Aldrin:  
EPA 525.3  
Atrazine:  
EPA 525.3  
Butachlor:  
EPA 525.3  
Chlordane:  
EPA 525.3  
Dieldrin:  
EPA 525.3  
Endrin:  
EPA 525.3  
Heptachlor:  
EPA 525.3  
Heptachlor Epoxide:  
EPA 525.3  
Hexachlorobenzene:  
EPA 525.3  
Hexachlorocyclopentadiene:  
EPA 525.3  
Lindane:  
EPA 525.3  
Methoxychlor:  
EPA 525.3  
Metolachlor:  
EPA 525.3

**DRINKING WATER INSECTICIDES (PESTICIDES) (cont.)**

Metribuzin:  
EPA 525.3  
Propachlor:  
EPA 525.3  
Simazine:  
EPA 525.3  
Toxaphene:  
EPA 525.3

**INDIVIDUAL DRINKING WATER ORGANIC CONTAMINANTS**

DBCP  
EPA 504.1  
Diquat:  
EPA 549.2  
EDB:  
EPA 504.1  
PCB Screen:  
EPA 508  
Glyphosate:  
EPA 547

**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  
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

DRINKING WATER VOLATILE ORGANICS (cont.)

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

DRINKING WATER VOLATILE ORGANICS (cont.)

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  
1,2,3-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

DRINKING WATER ORGANIC DISINFECTION BY-  
PRODUCTS/HALOACETIC ACIDS

Bromoacetic Acid:  
EPA 552.2  
Bromochloroacetic Acid:  
EPA 552.2  
Chloroacetic Acid:  
EPA 552.2  
Dibromoacetic Acid:  
EPA 552.2  
Dichloroacetic Acid:  
EPA 552.2  
Trichloroacetic Acid:  
EPA 552.2  
Total Haloacetic Acids:  
EPA 552.2

By:

  
William G. Mills  
Certification Officer  
Date signed and effective October 28, 2018

As of October 28, 2018, this list supersedes all previous lists for this certificate number. Vermont Certification is based in part upon current New York Accreditation Certificate of Lab ID 11301, Serial No.: 57723, April 01, 2018 through April 1, 2019. 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.

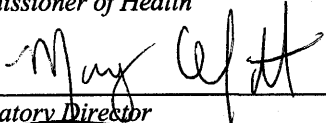


*State of Vermont Department of Health  
Drinking Water Laboratory Certification*

*Phoenix Environmental Laboratory, Inc.  
Manchester, Connecticut*

*Is certified to perform microbiological, inorganic and organic chemical analyses on drinking water pursuant to  
the certification letter dated October 28, 2018.*

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

  
\_\_\_\_\_  
*Laboratory Director*

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

October 28, 2018  
*Date certified*

VT - 11301  
*Laboratory Number*

October 28, 2019  
*Certificate expiration date*