

Vermont Drinking Water Provisional Certification
 Analytical Methods
 Issued October 28, 2011 as provided for in 18 VSA 501b
 Expiration Date October 28, 2012
 This listing is not valid without accompanying Vermont Certificate
Phoenix Environmental Laboratories, Inc.
Manchester, CT

DRINKING WATER MICRO

Quantitative:

E. coli: SM 18-21 9222B (97)/40 CFR141.21(F)6i

Heterotrophic Plate Count:
SM 9215B

Total Coliform & E. coli:
Chromogenic/fluorogenic substrate test, total coliform
Colilert, SM 9223 B SM 18-21 9222B (97)/40 CFR141.21(F)6i

DRINKING WATER METALS

Aluminum: EPA 200.7
 Antimony: EPA 200.9
 Arsenic: EPA 200.9
 Barium: EPA 200.7
 Beryllium: EPA 200.7
 Boron: EPA 200.7
 Cadmium: EPA 200.7
 Calcium: EPA 200.7
 Chromium: EPA 200.7
 Copper: EPA 200.7
 Iron: EPA 200.7
 Lead: EPA 200.9
 Magnesium: EPA 200.7
 Manganese: EPA 200.7
 Mercury: EPA 245.1
 Molybdenum: EPA 200.7
 Nickel: EPA 200.7
 Selenium: EPA 200.9
 Silver: EPA 200.7
 Sodium: EPA 200.7
 Thallium: EPA 200.9

DRINKING WATER METALS (cont.)

Vanadium: EPA 200.7
 Zinc: EPA 200.7

DRINKING WATER INORGANIC CONTAMINANTS

Alkalinity: SM 2320 B
 Chloride: SM 4500Cl- E
 Chlorine, Free & Total: SM 4500Cl G
 Color: SM 2120B
 Conductivity(Specific Conductance): SM 2510 B
 Cyanide, Total: EPA 335.4
 DOC: SM 5310 B SM 5310 C
 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
 Nitrite-N: EPA 300.0 SM 4500-NO₂- B
 Odor: EPA 140.1
 Orthophosphate (as P): SM 4500-P, E & F
 pH: SM 4500H⁺ B
 Residue, Total Filterable (TDS): SM 2540 C
 Sulfate: EPA 300.0 SM 4500-SO₄ D
 Surfactants: SM 5540 C
 TOC: SM 5310 B SM 5310 C
 Turbidity: SM 2130 B
 UV 254: SM 5910B
 Ammonia: SM 4500NH₃ H

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
Carbaryl:
EPA 531.2
Carbofuran:
EPA 531.2
3-Hydrocarbofuran:
EPA 531.2
Methiocarb:
EPA 531.2
Methomyl:
EPA 531.2
Vydate (Oxamyl):
EPA 531.2

DRINKING WATER HERBICIDES

2,4-D:
EPA 515.1
Dalapon:
EPA 515.1
Dicamba:
EPA 515.1
Dinoseb:
EPA 515.1
Pentachlorophenol:
EPA 515.1
Picloram:
EPA 515.1
2,4,5-TP (Silvex):
EPA 515.1

DRINKING WATER INSECTICIDES (PESTICIDES)

Alachlor:
EPA 507
Aldrin:
EPA 508
Atrazine:
EPA 507
Butachlor:
EPA 507
Chlordane:
EPA 508
Dieldrin:
EPA 508
Endrin:
EPA 508
Heptachlor:
EPA 508
Heptachlor Epoxide:
EPA 508
Hexachlorobenzene:
EPA 508
Hexachlorocyclopentadiene:
EPA 508
Lindane:
EPA 508
Methoxychlor:
EPA 508
Metolachlor:
EPA 507

DRINKING WATER INSECTICIDES (PESTICIDES) (cont.)

Propachlor:
EPA 508
Simazine:
EPA 507
Toxaphene:
EPA 508

INDIVIDUAL DRINKING WATER ORGANIC CONTAMINANTS

DBCP
EPA 504.1
EDB:
EPA 504.1
PCB Screen:
EPA 508

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

DRINKING WATER VOLATILE ORGANICS (cont.)

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

DRINKING WATER VOLATILE ORGANICS (cont.)

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, 2011

As of October 30, 2011 this list supersedes all previous lists for this certificate number. Vermont Certification is based in part upon current New York Accreditation Certificate of Approval number 11301, April 01, 2011 (revised April 22, 2011) through April 1, 2012. 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.



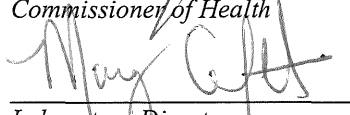
*State of Vermont Department of Health
Drinking Water Laboratory Certification*

*Phoenix Environmental Laboratories, Inc.
Manchester, Connecticut*

*Is certified to perform microbiological, inorganic and organic chemical analyses on drinking water pursuant to
the certification letter dated October 28, 2011.*



Commissioner of Health



Laboratory Director



Laboratory Certification Officer

October 28, 2011
Date certified

VT - 11301
Laboratory Number

October 28, 2012
Certificate expiration date