



VERMONT

DEPARTMENT OF HEALTH

*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, 2009.*

Commissioner of Health

Laboratory Director

A handwritten signature in black ink, appearing to read "Mary Beth Kelly".

Laboratory Certification Officer

October 28, 2009

Date certified

VT-11301

Laboratory Number

October 28, 2010

Certificate expiration date

Vermont Drinking Water Provisional Certification  
 Analytical Methods  
 Issued October 28, 2009 as provided for in 18 VSA 501b  
 Expiration Date October 28, 2010  
 This listing is not valid without accompanying Vermont Certificate  
**Phoenix Environmental Laboratories, Inc.**  
**Manchester, CT**

**DRINKING WATER METALS (cont.)**

Zinc:	EPA 200.7	
<b>DRINKING WATER INORGANIC CONTAMINANTS</b>		
Alkalinity:	SM 2320 B	
Bromide:	EPA 300.0	
Chloride:	EPA 300.0	
Chlorine, Free & Total:	EPA 300.0	SM 4500Cl-E
Color:	SM 2120B	
Conductivity(Specific Conductance):	SM 2510 B	
Corrosivity (Langlier Index):	SM 2330 B	
Cyanide, Total:	EPA 335.4	
DOC:	SM5310 B	SM 5310 C
Fluoride:	EPA 300.0	SM 4500-F-C
Hardness (Calc.):	EPA 200.7	
Nitrate-N:	EPA 300.0	
Nitrate (Calc.):	EPA 353.2	
Nitrate-Nitrite, Total:	EPA 300.0	EPA 353.2
Nitrite-N:	EPA 300.0	EPA 353.2
Odor:	EPA 140.1	
Orthophosphate (as P):	SM 4500-P, E & F	
pH:	SM 4500H <sup>+</sup> B	
Residue, Total Filterable (TDS):	SM 2540 C	
Sulfate:	EPA 300.0	
Surfactants:	SM 5540 C	
TOC:	SM 5310 B	SM 5310 C
Turbidity:	SM 2130 B	
UV 254	SM 5910B	
<b>DRINKING WATER METALS</b>		
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	
Vanadium:	EPA 200.7	

**DRINKING WATER MICRO**  
 E. coli: (enumeration)  
 SM 9222 B NA+MUG  
 Heterotrophic Plate Count:  
 SM 9215B  
 Total Coliform:  
 SM 9222B  
 Total Coliform & E. coli:  
 Chromogenic/fluorogenic substrate test, total coliform  
 Colliert, SM 9223 B

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  
EPA 525.2

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  
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  
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 504.1  
EPA 508

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  
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  
1,1-Dichloroethene: EPA 524.2  
1,2-Dichloroethane: EPA 524.2  
c-1,2-Dichloroethene: EPA 524.2  
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  
EPA 524.2

DRINKING WATER VOLATILE ORGANICS

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

DRINKING WATER TRIHALOMETHANES

DRINKING WATER VOLATILE ORGANICS (cont.)

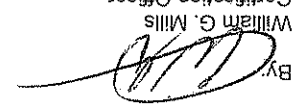
2,2-Dichloropropane: EPA 524.2  
 1,1-Dichloropropane: EPA 524.2  
 c 1,3-Dichloropropane: EPA 524.2  
 t 1,3-Dichloropropane: EPA 524.2  
 Ethylbenzene: EPA 524.2  
 Hexachlorobutadiene: EPA 524.2  
 Isopropylbenzene: EPA 524.2  
 4-Isopropyltoluene: EPA 524.2  
 Methyl t-Butyl Ether (MTBE): EPA 524.2  
 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

DRINKING WATER VOLATILE ORGANICS (cont.)

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

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

DRINKING WATER ORGANIC DISINFECTION BY-PRODUCTS/HALOACETIC ACIDS

By:   
 William G. Mills  
 Certification Officer

Date signed and effective October 28, 2009

As of October 28, 2009 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, 2009 (revised June 23, 2009) through April 1, 2010. 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.