

Vermont Department of Health
Division of Health Surveillance
Public Health Laboratory
195 Colchester Avenue - P.O. Box 1125
Burlington, VT 05402-1125

[phone] 802-863-7335
[or] 800-660-9997
[fax] 802-863-7632

Agency of Human Services

December 15, 2010

Leslie C. Boardman
Southern Analytical Laboratories, Inc.
110 Bayview Boulevard
Oldsmar, FL 34671

Dear Leslie C. Boardman,

Thank you for applying for drinking water testing certification with the State of Vermont. Please find your laboratory's Drinking Water Laboratory Certification listing enclosed with this letter. Please **review** this document for accuracy and inform us of any possible discrepancies. The listing will be valid until the date on the Analytical Methods attachments [unless your primary accrediting authority changes your accreditation status]. The draft copy of your Vermont Certificate is enclosed. Your final approved Vermont Certificate will be mailed to your laboratory under separate cover.

The Laboratory shall send updated certificates from its primary accrediting authority(ies) within 10 business days of receipt to the Vermont Department of Health.

The granting of certification status is directly related to successful proficiency performance, corrective action, fully implemented quality assurance plan, audits and receipt of fees. The Certification Officer will review these areas prior to granting of certification status. Certification status may change during the calendar year. If you have any suggestions, concerns or questions please call or write to me directly.

Sincerely,



William George Mills,
Program Chief and Laboratory Certification Officer
Vermont State Public Health Laboratory
195 Colchester Ave
Burlington, VT 05402-1125
Phone: (802) 863-7612
Fax: (802) 863-7632
<gmills@vdh.state.vt.us>

cc: Jean Nicolai, Vermont Water Supply Division, DEC

Attachments

VT 84129



Vermont Drinking Water Certification
Analytical Methods
 Issued December 15, 2010 as provided for in 18 VSA 501b
 Expiration Date December 15, 2011
 This listing is not valid without accompanying Vermont Certificate
Southern Analytical Laboratories, Inc.
Oldsmar, FL

DRINKING WATER METALS

Aluminum:	EPA 200.7	EPA 200.8
Antimony:	EPA 200.8	SM 3113 B
Arsenic:	EPA 200.7 SM 3113 B	EPA 200.8
Barium:	EPA 200.7	EPA 200.8
Beryllium:	EPA 200.7	
Boron:	EPA 200.7	
Cadmium:	EPA 200.7 SM 3113 B	EPA 200.8
Calcium:	EPA 200.7	
Chromium:	EPA 200.7	EPA 200.8
Copper:	EPA 200.7	EPA 200.8
Iron:	EPA 200.7	
Lead:	EPA 200.8	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 200.7 SM 3113 B	EPA 200.8
Silver:	EPA 200.7 SM 3111 B	EPA 200.8
Sodium:	EPA 200.7	
Thallium:	EPA 200.8	EPA 200.9
Vanadium:	EPA 200.7	EPA 200.8
Zinc:	EPA 200.7	EPA 200.8

DRINKING WATER INORGANIC CONTAMINANTS

Alkalinity:	SM 2320 B	
Bromate:	EPA 300.0	EPA 300.1
Bromide:	EPA 300.0	EPA 300.1
Chlorate:	EPA 300.0	EPA 300.1
Chlorite:	EPA 300.0	EPA 300.1
Chloride:	EPA 300.0	EPA 325.2
Chlorine, Free & Total:	SMA 4500Cl G	
Color:	SM 2120 B	
Conductivity (Specific Conductance):	SM 2510 B	
Cyanide, Total:	SM 4500-CN E	
DOC:	SM 5310 B	
Fluoride:	EPA 300.0	SM 4500-F- C
Hardness:	SM 2340 B	
Hardness (Calc.):	EPA 200.7	
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 SM 4500-NO ₂ .B	EPA 353.2
Odor:	SM 2150 B	
Orthophosphate:	EPA 300.0	
pH:	EPA 150.1	
Sulfate:	EPA 300.0	
Surfactants:	SM 5540 C	
TOC:	SM 5310 B	
Turbidity:	EPA 180.1	
UV 254	SM 5910 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

DRINKING WATER CARBAMATES

Aldicarb:
EPA 531.1
Aldicarb Sulfone:
EPA 531.1
Aldicarb Sulfoxide:
EPA 531.1
Baygon (Propoxur):
EPA 525.2
Carbaryl:
EPA 531.1
Carbofuran:
EPA 531.1
3-Hydrocarbofuran:
EPA 531.1
Methiocarb:
EPA 525.2
Methomyl:
EPA 531.1
Vydate (Oxamyl):
EPA 531.1

DRINKING WATER HERBICIDES

Acifluoren:
EPA 515.3
2,4-D:
EPA 515.3
2,4-DB:
EPA 515.3
Dalapon:
EPA 515.3
DCPA Mono-acid:
EPA 515.3
DCPA Di-acid:
EPA 515.3
Dicamba:
EPA 515.3
Dichloroprop:
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 508.1 EPA 525.2
Aldrin: EPA 508.1 EPA 525.2
Atrazine: EPA 508.1 EPA 525.2

DRINKING WATER PESTICIDES (cont.)

Butachlor: EPA 525.2
Chlordane: EPA 508.1
4,4'-DDD: EPA 508.1 EPA 525.2
4,4'-DDE: EPA 508.1 EPA 525.2
4,4'-DDT: EPA 508.1 EPA 525.2
Dieldrin: EPA 508.1 EPA 525.2
2,4-Dinitrotoluene: EPA 525.2
2,6-Dinitrotoluene : EPA 525.2
Endrin: EPA 508.1 EPA 525.2
EPTC EPA 525.2
Heptachlor: EPA 508.1 EPA 525.2
Heptachlor Epoxide: EPA 508.1 EPA 525.2
Hexachlorobenzene: EPA 508.1 EPA 525.2
Hexachlorocyclopentadiene: EPA 508.1 EPA 525.2
Isophorone: EPA 525.2
Lindane: EPA 508.1 EPA 525.2
Methoxychlor: EPA 508.1 EPA 525.2
Metolachlor: EPA 525.2
Metribuzin: EPA 525.2
Molinate: EPA 525.2
Propachlor: EPA 508.1 EPA 525.2
Simazine: EPA 508.1 EPA 525.2
Toxaphene: EPA 508.1
Terbacil: EPA 525.2

INDIVIDUAL DRINKING WATER ORGANIC CONTAMINANTS

DBCP EPA 504.1
EDB: EPA 504.1
Diquat: EPA 549.2
Endothall: EPA 548.1
1,2,3 Trichloropropane: EPA 524.2
Glyphosate: EPA 547

**INDIVIDUAL DRINKING WATER ORGANIC
CONTAMINANTS (cont.)**

PCBs as Aroclors (Screen):
EPA 508.1

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

DRINKING WATER VOLATILE ORGANICS (cont.)

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

1,1,1,2-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

1,2,3-Trichloropropane:
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

DRINKING WATER RADIOLOGICAL CONTAMINANTS

Gross Alpha:
EPA 900.0 EPA 00-02
Gross Beta:
EPA 900.0
Radium-226:
EPA 903.1
Radium-228:
EPA Ra-05
Uranium:
EPA 200.8 EPA 908.0
D 5174-02

By:



William G. Mills
Certification Officer
Date signed and effective December 15, 2010

As of December 15, 2010 this list supersedes all previous lists for this certificate number
Vermont Certification is based in part upon current Florida Accreditation Certificate of Approval number E84129, July 1, 2010 - June
30, 2011. 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.



DEPARTMENT OF HEALTH

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

*Southern Analytical Laboratories, Inc.
Oldsmar, Florida*

*Is certified to perform inorganic, organic and radiological analyses on drinking water pursuant to the
certification letter dated December 15, 2010.*

Commissioner of Health

Laboratory Director

Laboratory Certification Officer

December 15, 2010
Date certified

VT - 84129
Laboratory Number

December 15, 2011
Certificate expiration date