

**Vermont Department of Health
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, 2009

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,



12/23/09

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, 2009 as provided for in 18 VSA 501b
Expiration Date December 15, 2010
This listing is not valid without accompanying Vermont Certificate
Southern Analytical Laboratories, Inc.
Oldsmar, FL

DRINKING WATER METALS

Aluminum: EPA 200.7
Antimony: SM 3113 B
Arsenic: SM 3113 B
Barium: EPA 200.7
Beryllium: EPA 200.7
Boron: EPA 200.7
Cadmium: EPA 200.7 SM 3113 B
Calcium: EPA 200.7
Chromium: EPA 200.7
Copper: EPA 200.7
Iron: EPA 200.7
Lead: SM 3113 B
Magnesium: EPA 200.7
Manganese: EPA 200.7
Mercury: EPA 245.1
Molybdenum: EPA 200.7
Nickel: EPA 200.7
Selenium: SM 3113 B
Silver: EPA 200.7 SM 3111 B
Sodium: EPA 200.7
Thallium: EPA 200.9
Vanadium: EPA 200.7
Zinc: EPA 200.7

DRINKING WATER INORGANIC CONTAMINANTS

Alkalinity: SM 2320 B
Bromate: EPA 300.0 EPA 300.1
Bromide: EPA 300.0 EPA 300.1

DRINKING WATER INORGANIC CONTAMINANTS (cont.)

Chloride: EPA 300.0 EPA 325.2
Chlorine, Free & Total: SMA 4500Cl G
Chlorite: EPA 300.0 EPA 300.1
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
Nitrate-N: EPA 300.0 EPA 353.2
Nitrite-N: EPA 300.0 EPA 353.2
SM 4500-NO₂B
Odor: SM 2150 B
Orthophosphate: EPA 300.0
pH: EPA 150.1
Residue, Total Filterable (TDS): SM 2540 C
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
 Carbaryl:
 EPA 531.1
 Carbofuran:
 EPA 531.1
 3-Hydrocarbofuran:
 EPA 531.1
 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
 Dinoseb:
 EPA 515.3
 Pentachlorophenol:
 EPA 515.3 EPA 525.2
 Picloram:
 EPA 515.3
 2,4,5-TP (Silvex):
 EPA 515.3

DRINKING WATER INSECTICIDES (PESTICIDES)

Acetochlor:
 EPA 525.2
 Alachlor:
 EPA 508.1 EPA 525.2
 Aldrin:
 EPA 508.1 EPA 525.2
 Atrazine:
 EPA 508.1 EPA 525.2
 alph-BHC:
 EPA 508.1
 beta-BHC:
 EPA 508.1
 delta-BHC:
 EPA 508.1
 Bromacil:
 EPA 525.2
 Butachlor:
 EPA 525.2
 Chlordane:
 EPA 508.1
 4,4'-DDD:
 EPA 508.1 EPA 525.2

DRINKING WATER PESTICIDES (cont.)

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
 Endrin aldehyde:
 EPA 508.1
 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
 Pentachlorophenol:
 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
 PCBs as Aroclors (Screen):
 EPA 508.1

DRINKING WATER TRIHALOMETHANES

Bromodichloromethane:	
EPA 502.2	EPA 524.2
Bromoform:	
EPA 502.2	EPA 524.2
Chlorodibromomethane:	
EPA 502.2	EPA 524.2
Chloroform:	
EPA 502.2	EPA 524.2
Total Trihalomethanes:	
EPA 502.2	EPA 524.2

DRINKING WATER VOLATILE ORGANICS

Benzene:	
EPA 502.2	EPA 524.2
Bromobenzene:	
EPA 502.2	EPA 524.2
Bromochloromethane:	
EPA 502.2	EPA 524.2
Bromodichloromethane:	
EPA 502.2	EPA 524.2
Bromoform:	
EPA 502.2	EPA 524.2
Bromomethane:	
EPA 502.2	EPA 524.2
n-Butylbenzene:	
EPA 502.2	EPA 524.2
sec-Butylbenzene:	
EPA 502.2	EPA 524.2
tert-Butylbenzene:	
EPA 502.2	EPA 524.2
Carbon Tetrachloride:	
EPA 502.2	EPA 524.2
Chlorobenzene:	
EPA 502.2	EPA 524.2
Chloroethane:	
EPA 502.2	EPA 524.2
Chloroform:	
EPA 502.2	EPA 524.2
Chloromethane:	
EPA 502.2	EPA 524.2
2-Chlorotoluene:	
EPA 502.2	EPA 524.2
4-Chlorotoluene:	
EPA 502.2	EPA 524.2
Dibromochloromethane:	
EPA 502.2	EPA 524.2
Dibromomethane:	
EPA 502.2	EPA 524.2
1,2-Dichlorobenzene:	
EPA 502.2	EPA 524.2
1,3-Dichlorobenzene:	
EPA 502.2	EPA 524.2
1,4-Dichlorobenzene:	
EPA 502.2	EPA 524.2
Dichlorodifluoromethane:	
EPA 502.2	EPA 524.2
1,1-Dichloroethane:	
EPA 502.2	EPA 524.2
1,2-Dichloroethane:	
EPA 502.2	EPA 524.2
c-1,2-Dichloroethene:	
EPA 502.2	EPA 524.2
t 1,2-Dichloroethylene:	
EPA 502.2	EPA 524.2
1,1-Dichloroethylene:	
EPA 502.2	EPA 524.2

DRINKING WATER VOLATILE ORGANICS (cont.)

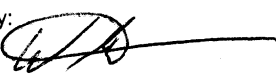
Dichloromethane:	
EPA 502.2	EPA 524.2
1,2-Dichloropropane:	
EPA 502.2	EPA 524.2
1,3-Dichloropropane:	
EPA 502.2	EPA 524.2
2,2-Dichloropropane:	
EPA 502.2	EPA 524.2
1,1-Dichloropropene:	
EPA 502.2	EPA 524.2
c 1,3-Dichloropropene:	
EPA 502.2	EPA 524.2
t 1,3-Dichloropropene:	
EPA 502.2	EPA 524.2
Ethylbenzene:	
EPA 502.2	EPA 524.2
Hexachlorobutadiene:	
EPA 502.2	
Isopropylbenzene:	
EPA 502.2	EPA 524.2
4-Isopropyltoluene:	
EPA 502.2	EPA 524.2
Methyl t-Butyl Ether (MTBE):	
EPA 502.2	EPA 524.2
Naphthalene:	
EPA 502.2	EPA 524.2
n-Propylbenzene:	
EPA 502.2	EPA 524.2
Styrene:	
EPA 502.2	EPA 524.2
1,1,1,2-Tetrachloroethane:	
EPA 502.2	EPA 524.2
1,1,2,2-Tetrachloroethane:	
EPA 502.2	EPA 524.2
Tetrachloroethylene:	
EPA 502.2	EPA 524.2
Toluene:	
EPA 502.2	EPA 524.2
1,2,3-Trichlorobenzene:	
EPA 502.2	EPA 524.2
1,2,4-Trichlorobenzene:	
EPA 502.2	EPA 524.2
1,1,1-Trichloroethane:	
EPA 502.2	EPA 524.2
1,1,2-Trichloroethane:	
EPA 502.2	EPA 524.2
Trichloroethylene:	
EPA 502.2	EPA 524.2
Trichlorofluoromethane:	
EPA 502.2	EPA 524.2
1,2,3-Trichloropropane:	
EPA 524.2	
1,2,4-Trimethylbenzene:	
EPA 502.2	EPA 524.2
1,3,5-Trimethylbenzene:	
EPA 502.2	EPA 524.2
Total Xylenes:	
EPA 502.2	EPA 524.2
Vinyl Chloride:	
EPA 502.2	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 908.0 D 5174-91

By: 

William G. Mills
Certification Officer
Date signed and effective December 15, 2009

As of December 15, 2009 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, 2009 - June 30, 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.




*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, 2009.*

Commissioner of Health

Laboratory Director


Laboratory Certification Officer

December 15, 2009
Date certified

VT - 84129
Laboratory Number

December 15, 2010
Certificate expiration date