



**Montana Department of Public Health
and Human Services**

Recognizes that

**Underwriters Laboratories, Inc.
South Bend IN**

has completed the requirements for Montana certification and is licensed to analyze Montana's Public Drinking Water Supplies. See attached listing.

Montana Certification Number:

Chemistry

Microbiology

Expiration Date:

Shawn Lee

Laboratory Certification Officer
DPHHS Environmental Laboratory

Effective Date:



DEPARTMENT OF
PUBLIC HEALTH AND HUMAN SERVICES
STATE OF MONTANA

ENVIRONMENTAL LABORATORY
CERTIFIED DRINKING WATER PARAMETERS

Underwriters Laboratories, Inc.

110 S. Hill Street
South Bend, IN 46617
Montana Certification No: CERT0026
Chemistry Expiration Date: 12/31/2012

INORGANIC PARAMETERS

<u>Analyte</u>	<u>Method 1</u>	<u>Method 2</u>	<u>Method 3</u>
Aluminum	EPA 200.7	EPA 200.8	
Antimony	EPA 200.8		
Arsenic	EPA 200.8		
Barium	EPA 200.8		
Beryllium	EPA 200.8		
Cadmium	EPA 200.8		
Chromium	EPA 200.8		
Chromium, Hexavalent	EPA 218.6, rev 3.3		
Copper	EPA 200.8		
Iron	EPA 200.7		
Lead	EPA 200.8		
Manganese	EPA 200.7	EPA 200.8	
Mercury	EPA 245.1		
Molybdenum	EPA 200.8		
Nickel	EPA 200.8		
Selenium	EPA 200.8		
Silica	EPA 200.7		
Silver	EPA 200.7	EPA 200.8	
Sodium	EPA 200.7		
Thallium	EPA 200.8		
Vanadium	EPA 200.8		
Zinc	EPA 200.8		
Magnesium	EPA 200.7		
Calcium	EPA 200.7		
Potassium	EPA 200.7		
Alkalinity	SM 2320 B		
Bromate	EPA 300.1	EPA 317.0	
Bromide	EPA 300.0		
Chlorate	EPA 300.0		
Chloride	EPA 300.0		
Chlorine, Free	SM 4500-CL G		
Chlorite	EPA 300.0		
Color	SM 2120 B		
Conductivity	SM 2510 B		
Corrosivity (Langelier Index)	SM 2330 B		
Cyanide	EPA 335.4	Lachat 10-204-00-1-x, rev 2.1	
Dissolved Organic Carbon	SM 5310 C		
Fluoride	Technicon 380-75WE	SM 4500 F-C	EPA 300.0

Hardness, Calcium	EPA 200.7 / SM 2340 C	
Hardness, Total	EPA 200.7 / SM 2340 C	
Nitrate & Nitrite	EPA 300.0	EPA 353.2
Nitrite	EPA 353.2	
Ortho Phosphorous	SM 4500-P-E	
Perchlorate	EPA 314.0	EPA 331.0 *
pH	EPA 150.1	
Sulfate	EPA 300.0	
SUVA-UV254	SM 5910 B	
Total Dissolved Solids	SM 2540 C	
Total Organic Carbon	SM 5310 C	
Turbidity	EPA 180.1	

* NELAC approved method only

SYNTHETIC ORGANIC COMPOUNDS

<u>Analyte</u>	<u>Method 1</u>
Alachlor	EPA 525.2
Atrazine	EPA 525.2
Chlordane	EPA 505
Dibromochloropropane	EPA 504.1
Dioxin	EPA 1613 B
Diquat	EPA 549.2
Endothall	EPA 548.1
Endrin	EPA 525.2
Ethylene Dibromide (EDB)	EPA 504.1
Glyphosate	EPA 547
Heptachlor	EPA 525.2
Heptachlor Epoxide	EPA 525.2
Hexachlorocyclopentadiene	EPA 525.2
Lindane	EPA 525.2
Methoxychlor	EPA 525.2
Simazine	EPA 525.2
Toxaphene	EPA 505
Hexachlorobenzene	EPA 525.2
Benzo(A)Pyrene	EPA 525.2
PCBs	EPA 505
Di(2-E H)Adipate	EPA 525.2
Di(2-E H)Phthalate	EPA 525.2
Aldrin	EPA 525.2
Dieldrin	EPA 525.2
Propachlor	EPA 525.2
Butachlor	EPA 525.2
Metolachlor	EPA 525.2
Metribuzin	EPA 525.2

CHLORINATED ACIDS

<u>Analyte</u>	<u>Method 1</u>
2,4-D	EPA 515.3
Dalapon	EPA 515.3
Dinoseb	EPA 515.3
Pentachlorophenol	EPA 515.3
Picloram (Tordon)	EPA 515.3
2,4,5-TP (Silvex)	EPA 515.3
Dicamba	EPA 515.3

CARBAMATE PESTICIDES

<u>Analyte</u>	<u>Method 1</u>	
Carbofuran	EPA 531.1	EPA 531.2, rev 1.0
Oxamyl (Vydate)	EPA 531.1	EPA 531.2, rev 1.0
Aldicarb Sulfoxide	EPA 531.1	EPA 531.2, rev 1.0
Aldicarb Sulfone	EPA 531.1	EPA 531.2, rev 1.0
Aldicarb	EPA 531.1	EPA 531.2, rev 1.0

DISINFECTION BYPRODUCTS

<u>Analyte</u>	<u>Method 1</u>
Dibromoacetic Acid	EPA 552.2
Dichloroacetic Acid	EPA 552.2
Monobromoacetic Acid	EPA 552.2
Monochloroacetic Acid	EPA 552.2
Trichloroacetic Acid	EPA 552.2
Bromochloroacetic Acid	EPA 552.2
Total HAA5	EPA 552.2

VOLATILE ORGANIC COMPOUNDS

<u>Analyte</u>	<u>Method 1</u>	<u>Method 2</u>
Total Trihalomethanes	EPA 524.2	EPA 551.1
Benzene	EPA 524.2	
Carbon Tetrachloride	EPA 524.2	
Chlorobenzene	EPA 524.2	
P - Dichlorobenzene	EPA 524.2	
O - Dichlorobenzene	EPA 524.2	
1,2 - Dichloroethane	EPA 524.2	
1,1 - Dichloroethylene	EPA 524.2	
Cis - Dichloroethylene	EPA 524.2	
Trans - Dichloroethylene	EPA 524.2	
Dichloromethane	EPA 524.2	
1,2-Dichloropropane	EPA 524.2	
Ethyl Benzene	EPA 524.2	
Styrene	EPA 524.2	
Tetrachloroethylene	EPA 524.2	
Toluene	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	
Vinyl Chloride	EPA 524.2	
Xylenes (Total)	EPA 524.2	
1,1,1,2-Tetrachloroethane	EPA 524.2	
1,1,2,2-Tetrachloroethane	EPA 524.2	
1,1-Dichloroethane	EPA 524.2	
1,1-Dichloropropene	EPA 524.2	
1,2,3-Trichlorobenzene	EPA 524.2	
1,2,3-Trichloropropane	EPA 524.2	
1,2,4-Trimethylbenzene	EPA 524.2	
1,3,5-Trimethylbenzene	EPA 524.2	
1,3-Dichloropropane	EPA 524.2	
Cis-1,3-Dichloropropene	EPA 524.2	
Trans-1,3-Dichloropropene	EPA 524.2	

2,2-Dichloropropane	EPA 524.2	
Bromobenzene	EPA 524.2	
Bromochloromethane	EPA 524.2	
Bromodichloromethane	EPA 524.2	EPA 551.1
Bromoform	EPA 524.2	EPA 551.1
Bromomethane	EPA 524.2	
Chlorodibromomethane	EPA 524.2	EPA 551.1
Chloroethane	EPA 524.2	
Chloroform	EPA 524.2	EPA 551.1
Chloromethane	EPA 524.2	
Dibromomethane	EPA 524.2	
Dichlorodifluoromethane	EPA 524.2	
Fluorotrichloromethane	EPA 524.2	
Hexachlorobutadiene	EPA 524.2	
Isopropylbenzene	EPA 524.2	
M-Dichlorobenzene	EPA 524.2	
Methyl Tert-Butyl Ether	EPA 524.2	
Napthalene	EPA 524.2	
N-Butylbenzene	EPA 524.2	
N-Propyl Benzene	EPA 524.2	
O-Chlorotoluene	EPA 524.2	
P-Chlorotoluene	EPA 524.2	
P-Isopropyltoluene	EPA 524.2	
Sec-Butylbenzene	EPA 524.2	
Tert-Butylbenzene	EPA 524.2	

RADIOCHEMISTRY

<u>Analyte</u>	<u>Method 1</u>	<u>Method 2</u>
Gross Alpha	SM 7110 B	SM 7110 C
Gross Beta	SM 7110 B	
Uranium	EPA 200.8	
Radium-226	SM 7500-Ra B	
Radium-228	SM 7500-Ra D	
Radon	SM 7500 Rn-B	
Tritium	EPA 906	