



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

Recognizes that

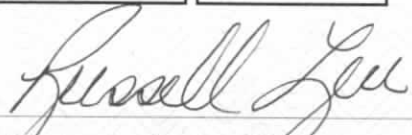
**EMSL Analytical, Inc
Cinnaminson NJ**

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

Montana Certification Number:

<input type="text" value="Chemistry"/>	<input type="text" value="Microbiology"/>
<input type="text" value="01/01/2018"/>	<input type="text"/>

Expiration Date:



Laboratory Certification Officer
DPHHS Environmental Laboratory

Effective Date: 12/8/16



DEPARTMENT OF
PUBLIC HEALTH AND HUMAN SERVICES
STATE OF MONTANA

ENVIRONMENTAL LABORATORY
CERTIFIED DRINKING WATER PARAMETERS

EMSL ANALYTICAL, INC.

200 Route 130 North
Cinnaminson, NJ 08077
Certification Number: CERT0016
Chemistry Expiration Date: 01/01/2018
Certified Drinking Water Parameter List

INORGANIC PARAMETERS

<u>Analyte</u>	<u>Method 1</u>	<u>Method 2</u>	<u>Method 3</u>
Aluminum	SM 3120 B	EPA 200.7	EPA 200.8
Barium	EPA 200.7	SM 3120 B	EPA 200.8
Beryllium	EPA 200.7	EPA 200.8	
Cadmium	EPA 200.7	EPA 200.8	
Chromium	EPA 200.7	SM 3120 B	EPA 200.8
Copper	EPA 200.7	SM 3111 B	EPA 200.8
Iron	EPA 200.7	SM 3120 B	
Lead	EPA 200.9	EPA 200.8	
Manganese	EPA 200.7	SM 3120 B	EPA 200.8
Mercury	EPA 245.1	SM 3112 B	
Nickel	EPA 200.7	SM 3120 B	EPA 200.8
Silica	EPA 200.7		
Silver	EPA 200.7	SM 3120 B	EPA 200.8
Sodium	EPA 200.7		
Thallium	EPA 200.9	EPA 200.8	
Zinc	EPA 200.7	SM 3120 B	EPA 200.8
Magnesium	EPA 200.7		
Calcium	EPA 200.7		
Calcium Hardness	EPA 200.7		
Total Hardness	EPA 200.7		
Asbestos	EPA 100.1	EPA 100.2	
Alkalinity	SM 2320 B		
Bromide	EPA 300.0		
Chloride	EPA 300.0		
Chlorine, Residual	SM 4500-CL G		
Color	SM 2120 B		
Conductivity	SM 2510 B		
Cyanide	SM 4500 CN-G	SM 4500 CN-E	
Fluoride	EPA 300.0		
Nitrate + Nitrite	EPA 300.0		
Nitrite	EPA 300.0		
Ortho Phosphorous	EPA 300.0		

<u>Analyte</u>	<u>Method 1</u>	<u>Method 2</u>
pH	EPA 150.1	SM 4500-H+ B

Certified Drinking Water Parameters

State of Montana

Page 1 of 3

Date Issued: 12/8/16

Laboratory Certification Officer

Sulfate	EPA 300.0	
Surfactants (Foaming Agents)	SM 5540 C.	
Temperature	SM 2550 B	
Total Dissolved Solids	SM 2540 C	
Turbidity	EPA 180.1	SM 2130 B

VOLATILE ORGANIC COMPOUNDS

<u>Analyte</u>	<u>Method 1</u>
Total Trihalomethanes	EPA 524.2
Benzene	EPA 524.2
Carbon Tetrachloride	EPA 524.2
Chlorobenzene	EPA 524.2
1,4 - Dichlorobenzene	EPA 524.2
1,3 - Dichlorobenzene	EPA 524.2
1,2 - Dichlorobenzene	EPA 524.2
1,2 - Dichloroethane	EPA 524.2
1,1 - Dichloroethylene	EPA 524.2
Trichloroethane(1,1,2-)	EPA 524.2
<i>Cis</i> - Dichloroethylene	EPA 524.2
<i>Trans</i> - Dichloroethylene	EPA 524.2
Dichloromethane	EPA 524.2
1,2-Dichloropropane	EPA 524.2
Ethyl Benzene	EPA 524.2
Methyl <i>tert</i> -butyl ether	EPA 524.2
Styrene	EPA 524.2
Tetrachloroethylene	EPA 524.2
Toluene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
Dichloroethene(1,1-)	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
Nitrobenzene	EPA 524.2
Acetone	EPA 524.2
Acrylonitrile	EPA 524.2
Allyl chloride	EPA 524.2
Butanone(2-)	EPA 524.2
Carbon disulfide	EPA 524.2
Chloroacetonitrile	EPA 524.2
Chlorobutane(1-)	EPA 524.2
Dichloro-2-butene(trans-1,4-)	EPA 524.2
Dichloropropanone(1,1-)	EPA 524.2
Diethyl ether	EPA 524.2
Ethyl methacrylate	EPA 524.2
Hexachloroethane	EPA 524.2
Hexanone(2-)	EPA 524.2
Methacrylonitrile	EPA 524.2
Methyl acrylate	EPA 524.2
Methyl iodide	EPA 524.2
Methyl methacrylate	EPA 524.2
Pentanone(4-methyl-2-)	EPA 524.2
Nitropropane(2-)	EPA 524.2
Pentachloroethane	EPA 524.2

Propionitrile	EPA 524.2	
<i>Tert</i> -butyl alcohol	EPA 524.2	
Tetrahydrofuran	EPA 524.2	
1,1,1-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	
1,3,5-Trichlorobenzene	EPA 524.2	
1,2,3-Trichloropropane	EPA 524.2	
1,3-Dichloropropane	EPA 524.2	
Cis-1,3-Dichloropropene	EPA 524.2	
Trans-1,3-Dichloropropene	EPA 524.2	
Hexachlorobutadiene(1,3-)	EPA 524.2	
Isopropylbenzene	EPA 524.2	
Isopropyltoluene(4-)	EPA 524.2	
Propylbenzene(n-)	EPA 524.2	
2,2-Dichloropropane	EPA 524.2	
Bromobenzene	EPA 524.2	
Bromodichloromethane	EPA 524.2	
Bromoform	EPA 524.2	
Bromomethane	EPA 524.2	
Bromochloromethane	EPA 524.2	
Butyl benzene (n-)	EPA 524.2	
<i>Sec</i> -butylbenzene	EPA 524.2	
<i>Tert</i> -butylbenzene	EPA 524.2	
Chlorodibromomethane	EPA 524.2	
Chloroethane	EPA 524.2	
Chloroform	EPA 524.2	
Chloromethane	EPA 524.2	
Dibromomethane	EPA 524.2	
Dichlorodifluoromethane	EPA 524.2	
Fluorotrichloromethane	EPA 524.2	
Naphthalene	EPA 524.2	
2-Chlorotoluene	EPA 524.2	
4-Chlorotoluene	EPA 524.2	
Dibromo-3-chloropropane(1,2-)	EPA 524.2	EPA 504.1
Dibromoethane(1,2-)(EDB)	EPA 524.2	EPA 504.1



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

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1400 Broadway Helena MT 59620

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fax: 406-444-2617

Phillip Worby
EMSL Analytical, Inc
200 Route 130 North
Cinnaminson NJ 08077-

12/8/2016

MONTANA CERTIFICATE NUMBER CERT0016

Dear Mr. Worby

Your laboratory has been granted approval for the analysis of drinking water compliance samples in the State of Montana in accordance with the Administrative Rules of Montana, Title 37 Chapter 12 Subchapter 3, "Licensure of Laboratories Conducting Analyses of Public Water Supplies". The current parameter list and certificate are attached.

The parameters for which your laboratory is certified must be analyzed with EPA's approved or recommend (for secondary parameters) drinking water methods.

The expiration date(s) for your Certificate is:

Chem Expiration Date 01/01/2018

Micro Expiration Date

If you have any questions or concerns about you laboratory's parameter list, certificate or certification status, please feel free to contact me at 406-444-2642 or by e-mail at rleu2@mt.gov.

A handwritten signature in cursive script, appearing to read "Russell Lee".

State of Montana
Environmental Laboratory
Laboratory Certification Officer