



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

**Recognizes that**

**Lancaster Laboratories, Inc.  
Lancaster PA**

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

Montana Certification Number: **CERT0098**

**Chemistry** **Microbiology**

Expiration Date: **12/31/2012**

*Russell Lee*  
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Laboratory Certification Officer  
DPHHS Environmental Laboratory

Effective Date: **2/24/12**



DEPARTMENT OF  
PUBLIC HEALTH AND HUMAN SERVICES  
STATE OF MONTANA

**ENVIRONMENTAL LABORATORY**  
**CERTIFIED DRINKING WATER PARAMETERS**

LANCASTER LABORATORIES, INC.  
PO BOX 12425  
2425 New Holland Pike  
Lancaster PA 17605-2425  
CERT0098  
Chemistry Expiration 12/31/2012

**EDB/DBCP by Microextraction**

1,2-Dibromo-3-chloropropane	EPA 504.1
Ethylene dibromide	EPA 504.1
1,2,3-trichloropropane	EPA 504.1

**Regulated Pesticides**

Alachlor	EPA 507
Atrazine	EPA 507
Simazine	EPA 507

**Regulated Herbicides**

2,4,5-TP	EPA 515.1
2,4-D	EPA 515.1
Dalapon	EPA 515.1
Dicamba	EPA 515.1
Dinoseb	EPA 515.1
PCP	EPA 515.1
Picloram	EPA 515.1

**Regulated Pesticides/PCBs**

Aldrin	EPA 508
Aroclor-1016	EPA 508
Aroclor-1221	EPA 508
Aroclor-1232	EPA 508
Aroclor-1242	EPA 508
Aroclor-1248	EPA 508
Aroclor-1254	EPA 508
Aroclor-1260	EPA 508
Chlordane	EPA 508
Dieldrin	EPA 508
Endrin	EPA 508
Gamma-HCH(BHC) - Lindane	EPA 508
Heptachlor	EPA 508
Heptachlor Epoxide	EPA 508
Hexachlorobenzene (HCB)	EPA 508
Hexchlorocyclopentadiene	EPA 508
Methoxychlor	EPA 508
Toxaphene	EPA 508

**Volatile Organics**

1,1,1,2-Tetrachloroethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2
1,1,2 Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethene	EPA 524.2
1,1-Dichloropropanone	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-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dibromo-3-chloropropane	EPA 524.2
1,2-Dibromoethane	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,2-Dichloroethane	EPA 524.2
1,2-Dichloropropane	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,3-Dichloropropane	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
1-Chlorobutane	EPA 524.2
2,2-Dichloropropane	EPA 524.2
2-Butanone	EPA 524.2
2-Chlorotoluene	EPA 524.2
2-Hexanone	EPA 524.2
2-Nitropropane	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Methyl-2-pentanone	EPA 524.2
Acetone	EPA 524.2
Acrolein	EPA 524.2
Acrylonitrile	EPA 524.2
Allyl Chloride	EPA 524.2
Benzene	EPA 524.2
Bromobenzene	EPA 524.2
Bromochloromethane	EPA 524.2
Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Bromomethane	EPA 524.2
Carbon Disulfide	EPA 524.2
Carbon Tetrachloride	EPA 524.2
Chloroacetonitrile	EPA 524.2
Chlorobenzene	EPA 524.2
Chloroethane	EPA 524.2
Chloroform	EPA 524.2
Chloromethane	EPA 524.2
Dibromochloromethane	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Dichlorofluoromethane	EPA 524.2
Ethyl Ether	EPA 524.2
Ethyl Methacrylate	EPA 524.2
Ethyl t-Butyl Ether	EPA 524.2
Ethylbenzene	EPA 524.2

Hexachlorobutadiene	EPA 524.2
Hexachloroethane	EPA 524.2
Isopropylbenzene	EPA 524.2
Methacrylonitrile	EPA 524.2
Methyl Acrylate	EPA 524.2
Methyl Iodide	EPA 524.2
Methyl Methacrylate	EPA 524.2
Methyl Tertiary Butyl Ether	EPA 524.2
Methylene Chloride	EPA 524.2
Naphthalene	EPA 524.2
Nitrobenzene	EPA 524.2
Pentachloroethane	EPA 524.2
Propionitrile	EPA 524.2
Styrene	EPA 524.2
Tetrachloroethene	EPA 524.2
Tetrahydrofuran	EPA 524.2
Toluene	EPA 524.2
Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl Chloride	EPA 524.2
Xylene (Total)	EPA 524.2
cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
di-Isopropyl Ether	EPA 524.2
m+p-Xylene	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
o-Xylene	EPA 524.2
p-Isopropyltoluene	EPA 524.2
sec-Butylbenzene	EPA 524.2
t-Amyl Methyl Ether	EPA 524.2
t-Butyl Alcohol	EPA 524.2
tert-Butylbenzene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
trans-1,4-Dichloro-2-butene	EPA 524.2

### Semi-Volatile Organics

Acenaphthene	EPA 525.2
Acenaphthylene	EPA 525.2
Alachlor	EPA 525.2
Anthracene	EPA 525.2
Atrazine	EPA 525.2
Benzo(a)anthracene	EPA 525.2
Benzo(a)pyrene	EPA 525.2
Benzo(b)fluoranthene	EPA 525.2
Benzo(g,h,i)perylene	EPA 525.2
Benzo(k)fluoranthene	EPA 525.2
Butachlor	EPA 525.2
Butylbenzylphthalate	EPA 525.2
Chrysene	EPA 525.2
Di-n-butylphthalate	EPA 525.2
Dibenz(a,h)anthracene	EPA 525.2
Dieldrin	EPA 525.2
Diethylphthalate	EPA 525.2

Dimethylphthalate	EPA 525.2
Endrin	EPA 525.2
Fluorene	EPA 525.2
Heptachlor	EPA 525.2
Heptachlor epoxide	EPA 525.2
Hexachlorobenzene	EPA 525.2
Hexachlorobiphenyl	EPA 525.2
Hexachlorocyclopentadiene	EPA 525.2
Indeno(1,2,3-cd)pyrene	EPA 525.2
Lindane	EPA 525.2
Methoxychlor	EPA 525.2
Metolachlor	EPA 525.2
Metribuzin	EPA 525.2
Phenanthrene	EPA 525.2
Propachlor	EPA 525.2
Pyrene	EPA 525.2
Simazine	EPA 525.2
di(2-Ethylhexyl)adipate	EPA 525.2
di(2-Ethylhexyl)phthalate	EPA 525.2

**N-Methyl Carbamates in Water**

Aldicarb	EPA 531.1
Aldicarb Sulfone	EPA 531.1
Aldicarb Sulfoxide	EPA 531.1
Carbaryl	EPA 531.1
Carbofuran	EPA 531.1
Carbofurn 3-OH	EPA 531.1
Methomyl	EPA 531.1
Oxamyl	EPA 531.1

**Dioxins/Furans in Water**

2378-TCDD	EPA 1613B
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**Inorganics**

	<b>METHOD 1</b>	<b>METHOD 2</b>
Alkalinity	SM 20 2320B	
Chloride	EPA 300.0	
Color	SM 20 2120B	EPA 110.2
Conductivity	SM 20 2510B	
Fluoride	SM 20 4500F C	EPA 300.0
M. B. A. S.	SM 20 5540C	
Nitrate Nitrogen	EPA 300.0	EPA 353.2
Nitrite Nitrogen	EPA 300.0	EPA 353.2
Total Nitrate/Nitrite	EPA 353.2	
Orthophosphate	SM 20 4500PE	
pH	SM 20 4500H+B	EPA 150.1
Perchlorate	EPA 314.0	
Residual Free Chlorine	SM 20 4500CIF	
Sulfate	EPA 300.0	EPA 375.4
Total Residual Chlorine	SM 20 4500CIG	
Total Cyanide	EPA 335.4	
Total Dissolved Solids	SM 20 2540C	
Total Hardness	SM 20 2340B	SM 20 2340
Total Suspended Solids	SM 20 2540D	
Turbidity	SM 20 2130B	EPA 180.1

**Metals**

	<b>METHOD 1</b>	<b>METHOD 2</b>
Aluminum	EPA 200.7	EPA 200.8
Antimony	EPA 200.8	
Arsenic	EPA 200.8	
Barium	EPA 200.8	EPA 200.7
Beryllium	EPA 200.8	EPA 200.7
Cadmium	EPA 200.8	EPA 200.7
Calcium	EPA 200.8	EPA 200.7
Chromium	EPA 200.8	EPA 200.7
Copper	EPA 200.8	EPA 200.7
Cobalt	EPA 200.7	
Iron	EPA 200.8	EPA200.7
Lead	EPA 200.8	
Magnesium	EPA 200.7	
Manganese	EPA 200.8	EPA 200.7
Nickel	EPA 200.8	EPA 200.7
Potassium	EPA 200.8	EPA 200.7
Selenium	EPA 200.8	
Silver	EPA 200.8	EPA 200.7
Sodium	EPA 200.7	
Strontium	EPA 200.8	EPA 200.7
Thallium	EPA 200.8	
Tin	EPA 200.7	
Vanadium	EPA 200.7	
Zinc	EPA 200.8	EPA 200.7
Mercury	EPA 254.1	