

State of Maine

Laboratory Certification Program

Awards Certification To


R.J. Analytical Laboratories, Inc.

Located at

*41 Illinois Avenue
Warwick, RI, 2888*

For the demonstration of capability of performing the analyses listed on the attached certified analytes list(s) as required by 22 M.R.S.A., Chapter 157-A.

Laboratory ID: RI00015
Certificate Number: 2011004
Date of Issue: 1/04/2011
Expiration Date: 12/30/2012



Certification Officer

This certificate must be displayed with the corresponding analyte list.
This certificate supersedes all previously issued certificates.
Continuing certification status is dependent on successful ongoing participation in the program.
Customers may verify the laboratory's current certification status by calling (207) 287-1929.



Maine Center for Disease Control and Prevention
An Office of the Department of Health and Human Services

John E. Baldacci, Governor Brenda M. Harvey, Commissioner

Department of Health and Human Services
 Maine Center for Disease Control and Prevention
 286 Water Street
 # 11 State House Station
 Augusta, Maine 04333-0011
 Tel: (207) 287-1929; Fax: (207) 287-4172
 TTY: 1-800-606-0215

Field of Testing Summary for:

R.I. Analytical Laboratories, Inc.

(401) 737-8500

41 Illinois Avenue

Warwick

RI 2888

As required by 22 M.R.S.A Chapter 157-A the laboratory demonstrated the capability to analyze analytes under 10-144 CMR 263, the rules for laboratory certification and is hereby granted certification for:

EPA 1010

Ignitability

Resource Conservation Recovery Program (NPW)

EPA 120.1

Conductivity

Clean Water Program (NPW)

EPA 1311

Extraction/Preparation

Resource Conservation Recovery Program (NPW)

EPA 150.1

pH

Safe Drinking Water Program (DW)

EPA 1664A

Oil & Grease

Clean Water Program (NPW)

EPA 180.1.2

Turbidity

Safe Drinking Water Program (DW)

EPA 200.7.4.4

Aluminum

Clean Water Program (NPW)

Aluminum

Safe Drinking Water Program (DW)

Antimony

Clean Water Program (NPW)

Arsenic

Clean Water Program (NPW)

Barium

Clean Water Program (NPW)

Barium

Safe Drinking Water Program (DW)

Beryllium

Clean Water Program (NPW)

Beryllium

Safe Drinking Water Program (DW)

Boron

Clean Water Program (NPW)

Cadmium

Clean Water Program (NPW)

Cadmium

Safe Drinking Water Program (DW)

Calcium

Clean Water Program (NPW)

Calcium

Safe Drinking Water Program (DW)

Chromium

Clean Water Program (NPW)

Chromium

Safe Drinking Water Program (DW)

Cobalt

Clean Water Program (NPW)

Copper

Clean Water Program (NPW)

Copper

Safe Drinking Water Program (DW)

Iron

Clean Water Program (NPW)

Iron

Safe Drinking Water Program (DW)

Lead

Clean Water Program (NPW)

Magnesium

Clean Water Program (NPW)

Magnesium

Safe Drinking Water Program (DW)

Manganese

Clean Water Program (NPW)

Manganese

Safe Drinking Water Program (DW)

Molybdenum

Clean Water Program (NPW)

Nickel

Clean Water Program (NPW)

Nickel

Safe Drinking Water Program (DW)

Potassium

Clean Water Program (NPW)

Selenium

Clean Water Program (NPW)

Silica as SiO2

Clean Water Program (NPW)

Silica as SiO2

Safe Drinking Water Program (DW)

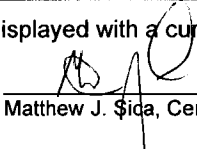
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RI00015

Certificate Number: 2011004

FOT Issue Date: 1/4/2011

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 Matthew J. Sida, Certification Officer

Sulfate	Safe Drinking Water Program (DW)
<u>EPA 3500B</u>	
Extraction/Preparation	Resource Conservation Recovery Program (NPW)
<u>EPA 3540C</u>	
Extraction/Preparation	Resource Conservation Recovery Program (NPW)
<u>EPA 3545</u>	
Extraction/Preparation	Resource Conservation Recovery Program (NPW)
<u>EPA 3550B</u>	
Extraction/Preparation	Resource Conservation Recovery Program (NPW)
<u>EPA 365.1.2</u>	
Orthophosphate as P	Safe Drinking Water Program (DW)
<u>EPA 410.3</u>	
Chemical oxygen demand	Clean Water Program (NPW)
<u>EPA 420.1</u>	
Total Phenolics	Clean Water Program (NPW)
<u>EPA 504.1.1.1</u>	
1,2-Dibromo-3-chloropropane (DBCP)	Safe Drinking Water Program (DW)
1,2-Dibromoethane (EDB, Ethylene dibromide)	Safe Drinking Water Program (DW)
<u>EPA 524.2.4.1</u>	
1,1,1-Trichloroethane	Safe Drinking Water Program (DW)
1,1,2-Trichloroethane	Safe Drinking Water Program (DW)
1,1-Dichloroethylene	Safe Drinking Water Program (DW)
1,2,4-Trichlorobenzene	Safe Drinking Water Program (DW)
1,2-Dichlorobenzene	Safe Drinking Water Program (DW)
1,2-Dichloroethane	Safe Drinking Water Program (DW)
1,2-Dichloropropane	Safe Drinking Water Program (DW)
1,4-Dichlorobenzene	Safe Drinking Water Program (DW)
Benzene	Safe Drinking Water Program (DW)
Bromodichloromethane	Safe Drinking Water Program (DW)
Bromoform	Safe Drinking Water Program (DW)
Carbon tetrachloride	Safe Drinking Water Program (DW)
Chlorobenzene	Safe Drinking Water Program (DW)
Chloroform	Safe Drinking Water Program (DW)
cis-1,2-Dichloroethylene	Safe Drinking Water Program (DW)
Dibromochloromethane	Safe Drinking Water Program (DW)
Dichloromethane (Methylene chloride)	Safe Drinking Water Program (DW)
Ethylbenzene	Safe Drinking Water Program (DW)
Methyl tert-butyl ether (MTBE)	Safe Drinking Water Program (DW)
Styrene	Safe Drinking Water Program (DW)
Tetrachloroethylene	Safe Drinking Water Program (DW)
Toluene	Safe Drinking Water Program (DW)
Total Trihalomethanes	Safe Drinking Water Program (DW)
trans-1,2-Dichloroethylene	Safe Drinking Water Program (DW)
Trichloroethene (Trichloroethylene)	Safe Drinking Water Program (DW)
Vinyl chloride	Safe Drinking Water Program (DW)
Xylene (total)	Safe Drinking Water Program (DW)
<u>EPA 552.1.1</u>	
Bromoacetic acid	Safe Drinking Water Program (DW)
Chloroacetic acid	Safe Drinking Water Program (DW)
Dalapon	Safe Drinking Water Program (DW)
Dibromoacetic acid	Safe Drinking Water Program (DW)
Dichloroacetic acid	Safe Drinking Water Program (DW)
Total haloacetic acids	Safe Drinking Water Program (DW)
Trichloroacetic acid	Safe Drinking Water Program (DW)
<u>EPA 552.2.1</u>	
Bromoacetic acid	Safe Drinking Water Program (DW)
Chloroacetic acid	Safe Drinking Water Program (DW)
Dalapon	Safe Drinking Water Program (DW)
Dibromoacetic acid	Safe Drinking Water Program (DW)
Dichloroacetic acid	Safe Drinking Water Program (DW)
Total haloacetic acids	Safe Drinking Water Program (DW)
Trichloroacetic acid	Safe Drinking Water Program (DW)

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1,3-Dichlorobenzene	Clean Water Program (NPW)
1,4-Dichlorobenzene	Clean Water Program (NPW)
2-Chloroethyl vinyl ether	Clean Water Program (NPW)
Acrolein	Clean Water Program (NPW)
Acrylonitrile	Clean Water Program (NPW)
Benzene	Clean Water Program (NPW)
Bromodichloromethane	Clean Water Program (NPW)
Bromoform	Clean Water Program (NPW)
Bromomethane (Methyl bromide)	Clean Water Program (NPW)
Carbon tetrachloride	Clean Water Program (NPW)
Chlorobenzene	Clean Water Program (NPW)
Chloroethane	Clean Water Program (NPW)
Chloroform	Clean Water Program (NPW)
cis-1,3-Dichloropropene	Clean Water Program (NPW)
Dibromochloromethane	Clean Water Program (NPW)
Dichlorodifluoromethane	Clean Water Program (NPW)
Dichloromethane (Methylene chloride)	Clean Water Program (NPW)
Ethylbenzene	Clean Water Program (NPW)
Methyl chloride (Chloromethane)	Clean Water Program (NPW)
Tetrachloroethylene	Clean Water Program (NPW)
Toluene	Clean Water Program (NPW)
trans-1,2-Dichloroethylene	Clean Water Program (NPW)
trans-1,3-Dichloropropylene	Clean Water Program (NPW)
Trichloroethene (Trichloroethylene)	Clean Water Program (NPW)
Trichlorofluoromethane	Clean Water Program (NPW)
Vinyl chloride	Clean Water Program (NPW)
EPA 625	
1,2,4-Trichlorobenzene	Clean Water Program (NPW)
2,3-Dinitrophenol	Clean Water Program (NPW)
2,4,6-Trichlorophenol	Clean Water Program (NPW)
2,4-Dichlorophenol	Clean Water Program (NPW)
2,4-Dimethylphenol	Clean Water Program (NPW)
2,4-Dinitrophenol	Clean Water Program (NPW)
2,4-Dinitrotoluene (2,4-DNT)	Clean Water Program (NPW)
2,6-Dinitrotoluene (2,6-DNT)	Clean Water Program (NPW)
2-Chloronaphthalene	Clean Water Program (NPW)
2-Chlorophenol	Clean Water Program (NPW)
2-Methyl-4,6-dinitrophenol	Clean Water Program (NPW)
2-Nitrophenol	Clean Water Program (NPW)
3,3'-Dichlorobenzidine	Clean Water Program (NPW)
4,6-Dinitro-2-methylphenol	Clean Water Program (NPW)
4-Bromophenyl phenyl ether	Clean Water Program (NPW)
4-Chloro-3-methylphenol	Clean Water Program (NPW)
4-Chlorophenyl phenylether	Clean Water Program (NPW)
4-Nitrophenol	Clean Water Program (NPW)
Acenaphthene	Clean Water Program (NPW)
Acenaphthylene	Clean Water Program (NPW)
Aldrin	Clean Water Program (NPW)
alpha-BHC	Clean Water Program (NPW)
Anthracene	Clean Water Program (NPW)
Benzidine	Clean Water Program (NPW)
Benzo[a]anthracene	Clean Water Program (NPW)
Benzo[a]pyrene	Clean Water Program (NPW)
Benzo[b]fluoranthene	Clean Water Program (NPW)
Benzo[g,h,i]perylene	Clean Water Program (NPW)
Benzo[k]fluoranthene	Clean Water Program (NPW)
bis(2-Chloroethoxy)methane	Clean Water Program (NPW)
bis(2-Chloroethyl)ether	Clean Water Program (NPW)
bis(2-Chloroisopropyl)ether	Clean Water Program (NPW)
bis(2-Ethylhexyl)phthalate (DEHP)	Clean Water Program (NPW)
Butyl benzyl phthalate	Clean Water Program (NPW)
Chlordane (tech.)	Clean Water Program (NPW)
Chrysene	Clean Water Program (NPW)
Dibenz[a,h]anthracene	Clean Water Program (NPW)


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Diethyl phthalate	Clean Water Program (NPW)
Dimethyl phthalate	Clean Water Program (NPW)
Di-n-butyl phthalate	Clean Water Program (NPW)
Di-n-octyl phthalate	Clean Water Program (NPW)
Fluoranthene	Clean Water Program (NPW)
Fluorene	Clean Water Program (NPW)
Hexachlorobenzene	Clean Water Program (NPW)
Hexachlorobutadiene	Clean Water Program (NPW)
Hexachlorocyclopentadiene	Clean Water Program (NPW)
Hexachloroethane	Clean Water Program (NPW)
Indeno[1,2,3-cd]pyrene	Clean Water Program (NPW)
Isophorone	Clean Water Program (NPW)
Naphthalene	Clean Water Program (NPW)
Nitrobenzene	Clean Water Program (NPW)
n-Nitrosodimethylamine	Clean Water Program (NPW)
n-Nitroso-di-n-propylamine	Clean Water Program (NPW)
n-Nitrosodiphenylamine	Clean Water Program (NPW)
Pentachlorophenol	Clean Water Program (NPW)
Phenanthrene	Clean Water Program (NPW)
Phenol	Clean Water Program (NPW)
Pyrene	Clean Water Program (NPW)
<u>EPA 7196A 1</u>	
Chromium VI	Resource Conservation Recovery Program (NPW)
<u>EPA 7470A</u>	
Mercury	Resource Conservation Recovery Program (NPW)
<u>EPA 7471A</u>	
Mercury	Resource Conservation Recovery Program (NPW)
<u>EPA 8081A</u>	
4,4'-DDD	Resource Conservation Recovery Program (NPW)
4,4'-DDE	Resource Conservation Recovery Program (NPW)
4,4'-DDT	Resource Conservation Recovery Program (NPW)
Aldrin	Resource Conservation Recovery Program (NPW)
alpha-BHC	Resource Conservation Recovery Program (NPW)
alpha-Chlordane	Resource Conservation Recovery Program (NPW)
Aroclor-1016 (PCB-1016)	Resource Conservation Recovery Program (NPW)
Aroclor-1221 (PCB-1221)	Resource Conservation Recovery Program (NPW)
Aroclor-1232 (PCB-1232)	Resource Conservation Recovery Program (NPW)
Aroclor-1242 (PCB-1242)	Resource Conservation Recovery Program (NPW)
Aroclor-1248 (PCB-1248)	Resource Conservation Recovery Program (NPW)
Aroclor-1254 (PCB-1254)	Resource Conservation Recovery Program (NPW)
Aroclor-1260 (PCB-1260)	Resource Conservation Recovery Program (NPW)
beta-BHC	Resource Conservation Recovery Program (NPW)
Chlordane (tech.)	Resource Conservation Recovery Program (NPW)
delta-BHC	Resource Conservation Recovery Program (NPW)
Dieldrin	Resource Conservation Recovery Program (NPW)
Endosulfan I	Resource Conservation Recovery Program (NPW)
Endosulfan II	Resource Conservation Recovery Program (NPW)
Endosulfan sulfate	Resource Conservation Recovery Program (NPW)
Endrin	Resource Conservation Recovery Program (NPW)
gamma-BHC	Resource Conservation Recovery Program (NPW)
gamma-Chlordane	Resource Conservation Recovery Program (NPW)
Heptachlor	Resource Conservation Recovery Program (NPW)
Heptachlor epoxide	Resource Conservation Recovery Program (NPW)
Toxaphene	Resource Conservation Recovery Program (NPW)
<u>EPA 8082</u>	
Aroclor-1016 (PCB-1016)	Resource Conservation Recovery Program (NPW)
Aroclor-1221 (PCB-1221)	Resource Conservation Recovery Program (NPW)
Aroclor-1232 (PCB-1232)	Resource Conservation Recovery Program (NPW)
Aroclor-1242 (PCB-1242)	Resource Conservation Recovery Program (NPW)
Aroclor-1248 (PCB-1248)	Resource Conservation Recovery Program (NPW)
Aroclor-1254 (PCB-1254)	Resource Conservation Recovery Program (NPW)
Aroclor-1260 (PCB-1260)	Resource Conservation Recovery Program (NPW)
<u>EPA 8151A</u>	

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Phenanthrene	Leaking Underground Storage Tank Program (NPW)
Pyrene	Leaking Underground Storage Tank Program (NPW)
MA VPH	
Benzene	Leaking Underground Storage Tank Program (NPW)
Ethylbenzene	Leaking Underground Storage Tank Program (NPW)
Methyl tert-butyl ether (MTBE)	Leaking Underground Storage Tank Program (NPW)
Naphthalene	Leaking Underground Storage Tank Program (NPW)
Toluene	Leaking Underground Storage Tank Program (NPW)
VPH Aliphatic C5-C8	Leaking Underground Storage Tank Program (NPW)
VPH Aliphatic C9-C12	Leaking Underground Storage Tank Program (NPW)
VPH Aromatic C9-C10	Leaking Underground Storage Tank Program (NPW)
Xylene (total)	Leaking Underground Storage Tank Program (NPW)
ME HETL 4.1.25	
Diesel range organics (DRO)	Leaking Underground Storage Tank Program (NPW)
Diesel range organics (DRO)	Leaking Underground Storage Tank Program (S)
ME HETL 4.2.17	
Gasoline range organics (GRO)	Leaking Underground Storage Tank Program (NPW)
Gasoline range organics (GRO)	Leaking Underground Storage Tank Program (S)
SM 2130 B 20th ED	
Turbidity	Clean Water Program (NPW)
SM 2130 B 21st ED	
Turbidity	Safe Drinking Water Program (DW)
SM 2310 B 19th ED	
Acidity, as CaCO ₃	Clean Water Program (NPW)
SM 2320 B 20th ED	
Alkalinity as CaCO ₃	Clean Water Program (NPW)
Alkalinity as CaCO ₃	Safe Drinking Water Program (DW)
SM 2510 B 21st ED	
Conductivity	Safe Drinking Water Program (DW)
SM 2540 C 21st ED	
Residue-filterable (TDS)	Clean Water Program (NPW)
Residue-filterable (TDS)	Safe Drinking Water Program (DW)
SM 2540 D 21st ED	
Residue-nonfilterable (TSS)	Clean Water Program (NPW)
SM 3500-Cr D 19th ED	
Chromium VI	Clean Water Program (NPW)
SM 4500-Cl D 19th ED	
Chlorine	Safe Drinking Water Program (DW)
SM 4500-Cl⁻ B 21st ED	
Chloride	Clean Water Program (NPW)
Chloride	Safe Drinking Water Program (DW)
SM 4500-CN E 21st ED	
Total Cyanide	Clean Water Program (NPW)
Total Cyanide	Safe Drinking Water Program (DW)
SM 4500-F⁻ B 21st ED	
Fluoride	Clean Water Program (NPW)
SM 4500-F⁻ D 21st ED	
Fluoride	Safe Drinking Water Program (DW)
SM 4500-H+ B 21st ED	
pH	Clean Water Program (NPW)
pH	Safe Drinking Water Program (DW)
SM 4500-NH₃ C 18th ED	
Ammonia as N	Clean Water Program (NPW)
SM 4500-NH₃ C 21st ED	
Kjeldahl nitrogen - total	Safe Drinking Water Program (DW)
SM 4500-NH₃ E 21st ED	
Kjeldahl nitrogen - total	Clean Water Program (NPW)
SM 4500-NO₂⁻ B 20th ED	
Nitrite as N	Clean Water Program (NPW)
SM 4500-NO₂⁻ B 21st ED	
Nitrite as N	Safe Drinking Water Program (DW)

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RI00015

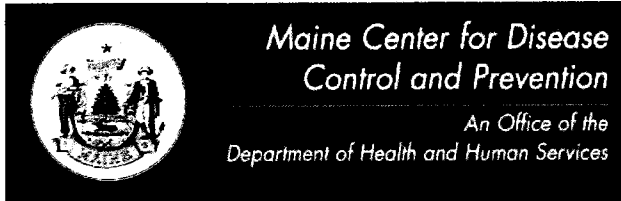
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Matthew J. Sica, Certification Officer

<u>SM 4500-NO₃⁻ D 21st ED</u>	
Nitrate as N	Safe Drinking Water Program (DW)
<u>SM 4500-NO₃⁻ F 19th ED</u>	
Nitrate as N	Clean Water Program (NPW)
<u>SM 4500-P E 18th ED</u>	
Orthophosphate as P	Safe Drinking Water Program (DW)
<u>SM 4500-P E 19th ED</u>	
Orthophosphate as P	Safe Drinking Water Program (DW)
<u>SM 4500-P E 20th ED</u>	
Orthophosphate as P	Clean Water Program (NPW)
Orthophosphate as P	Safe Drinking Water Program (DW)
Phosphorus, total	Clean Water Program (NPW)
<u>SM 4500-S₂⁻ D 18th ED</u>	
Sulfide	Clean Water Program (NPW)
<u>SM 4500-SO₄⁻ E 19th ED</u>	
Sulfate	Safe Drinking Water Program (DW)
<u>SM 5210 B 21st ED</u>	
Carbonaceous BOD, CBOD	Clean Water Program (NPW)
<u>SM 5220 D 21st ED</u>	
Chemical oxygen demand	Clean Water Program (NPW)
<u>SM 5310 B 21st ED</u>	
Total Organic Carbon	Clean Water Program (NPW)
Total Organic Carbon	Safe Drinking Water Program (DW)
<u>SM 5540 C 21st ED</u>	
Surfactants - MBAS	Clean Water Program (NPW)
Surfactants - MBAS	Safe Drinking Water Program (DW)
<u>SM 9215 B (R2A) 18th ED</u>	
Heterotrophic plate count	Safe Drinking Water Program (DW)
<u>SM 9215 B (R2A) 19th ED</u>	
Heterotrophic plate count	Safe Drinking Water Program (DW)
<u>SM 9215 B (R2A) 20th ED</u>	
Heterotrophic plate count	Safe Drinking Water Program (DW)
<u>SM 9215 B (R2A) 21st ED</u>	
Heterotrophic plate count	Safe Drinking Water Program (DW)
<u>SM 9221 B (LTB) + E (EC) 21st ED</u>	
Fecal coliforms	Safe Drinking Water Program (DW)
<u>SM 9221 B (LTB) 21st ED</u>	
Total coliforms	Clean Water Program (NPW)
Total coliforms	Safe Drinking Water Program (DW)
<u>SM 9222 B (M-Endo) 21st ED</u>	
Total coliforms	Safe Drinking Water Program (DW)
<u>SM 9222 D (m-FC) 21st ED</u>	
Fecal coliforms	Clean Water Program (NPW)
Fecal coliforms	Safe Drinking Water Program (DW)
<u>SM 9223 B (Collert®) 21st ED</u>	
Escherichia coli	Safe Drinking Water Program (DW)
Total coliforms	Safe Drinking Water Program (DW)



John E. Baldacci, Governor

Brenda M. Harvey, Commissioner

Department of Health and Human Services
Maine Center for Disease Control and Prevention
286 Water Street
11 State House Station
Augusta, Maine 04333-0011
Tel: (207) 287-2070
Fax: (207) 287-4172; TTY: 1-800-606-0215

Mark Gimpel
R.I. Analytical Laboratories, Inc.
41 Illinois Avenue
Warwick, RI 2888

January 4, 2011

Dear Mark,

Thank you for participating in the Maine Certification program.

Please find enclosed a Certificate and Field of Testing list to cover the laboratory for this certification period. The analytes reflected on these certificates are the analytes applicable to Maine programs.

If you have any questions regarding this issue, feel free to contact me at (207) 287-1929 or by e-mail at matthew.sica@maine.gov.

Sincerely,

Matthew J. Sica
Laboratory Certification Officer
286 Water Street, 3rd Floor
Augusta, ME 04333-0011