

The Commonwealth of Massachusetts



Department of Environmental Protection

*Division of Environmental Analysis
Senator William X. Wall Experiment Station*

certifies

M-NH005

EASTERN ANALYTICAL INC
25 CHENELL DR
CONCORD, NH 03301-0000

Laboratory Director: LORRAINE OLASHAW

for the analysis of POTABLE WATER (MICROBIOLOGY)
NON POTABLE WATER
(MICROBIOLOGY)
POTABLE WATER (RADIOCHEMISTRY)
POTABLE WATER (CHEMISTRY)
NON POTABLE WATER (CHEMISTRY)

pursuant to 310 CMR 42.00

This certificate supersedes all previous Massachusetts certificates issued to this laboratory. The laboratory is regulated by and shall be responsible for being in compliance with Massachusetts regulations at 310 CMR 42.00.

This certificate is valid only when accompanied by the latest dated Certified Parameter List as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to verify the current certification status of the laboratory.

Certification is no guarantee of the validity of the data. This certification is subject to unannounced laboratory inspections.

Osca C. Jacobs

Director, Division of Environmental Analysis

Issued: 01 JUL 2011

Expires: 30 JUN 2012

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2011

M-NH005 EASTERN ANALYTICAL INC
CONCORD NH

POTABLE WATER (RADIOCHEMISTRY) Effective Date 01 JUL 2011 Expiration Date 30 JUN 2012

Analytes

URANIUM

Methods

EPA 200.8

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: 01 JUL 2011

**M-NH005 EASTERN ANALYTICAL INC
CONCORD NH**

NON POTABLE WATER (MICROBIOLOGY) Effective Date 01 JUL 2011 Expiration Date 30 JUN 2012

Analytes

Methods

E. COLI	AMBIENT WATER	MPN-SM9221F
ENTEROCOCCI	AMBIENT WATER	ENTEROLERT
FECAL COLIFORM	WASTEWATER	MPN-SM9221E
E. COLI	WASTEWATER	SM 9223B-COLILERT
ENTEROCOCCI	WASTEWATER	ENTEROLERT

POTABLE WATER (MICROBIOLOGY) Effective Date 01 JUL 2011 Expiration Date 30 JUN 2012

Analytes

Methods

HETEROTROPHIC PLATE COUNT		SM9215B
TOTAL COLIFORM	WATER TREATMENT AND DISTRIBUTION (P/A)	ENZ. SUB. SM9223
E. COLI	WATER TREATMENT AND DISTRIBUTION (P/A)	ENZ. SUB. SM9223
TOTAL COLIFORM	SOURCE WATER (ENUMERATION)	SM 9223B-COLILERT
E. COLI	SOURCE WATER (ENUMERATION)	SM 9223B-COLILERT
ENTEROCOCCI	SOURCE WATER (P/A)	ENTEROLERT

COMMONWEALTH OF MASSACHUSETTS
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Certified Parameter List as of: 01 NOV 2011

M-NH005 EASTERN ANALYTICAL INC
CONCORD NH

NON POTABLE WATER (CHEMISTRY) Effective Date 01 NOV 2011 Expiration Date 30 JUN 2012

<u>Analytes</u>	<u>Methods</u>
ALUMINUM	EPA 200.7
ALUMINUM	EPA 200.8
ANTIMONY	EPA 200.7
ANTIMONY	EPA 200.8
ARSENIC	EPA 200.7
ARSENIC	EPA 200.8
BERYLLIUM	EPA 200.7
BERYLLIUM	EPA 200.8
CADMIUM	EPA 200.7
CADMIUM	EPA 200.8
CHROMIUM	EPA 200.7
CHROMIUM	EPA 200.8
COBALT	EPA 200.7
COBALT	EPA 200.8
COPPER	EPA 200.7
COPPER	EPA 200.8
IRON	EPA 200.7
LEAD	EPA 200.7
LEAD	EPA 200.8
MANGANESE	EPA 200.7
MANGANESE	EPA 200.8
MOLYBDENUM	EPA 200.7
MOLYBDENUM	EPA 200.8
NICKEL	EPA 200.7
NICKEL	EPA 200.8
SELENIUM	EPA 200.7
SELENIUM	EPA 200.8
SILVER	EPA 200.7
SILVER	EPA 200.8
STRONTIUM	EPA 200.7
THALLIUM	EPA 200.7
THALLIUM	EPA 200.8
TITANIUM	EPA 200.7
VANADIUM	EPA 200.7
VANADIUM	EPA 200.8
ZINC	EPA 200.7
ZINC	EPA 200.8
PH	SM 4500-H-B
SPECIFIC CONDUCTIVITY	EPA 120.1
TOTAL DISSOLVED SOLIDS	SM 2540C
HARDNESS (CaCO3), TOTAL	EPA 200.7
CALCIUM	EPA 200.7
MAGNESIUM	EPA 200.7

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<u>Analytes</u>	<u>Methods</u>
SODIUM	EPA 200.7
POTASSIUM	EPA 200.7
ALKALINITY, TOTAL	SM 2320B
CHLORIDE	SM 4500-CL-E
CHLORIDE	EPA 300.0
FLUORIDE	EPA 300.0
SULFATE	EPA 300.0
AMMONIA-N	SM18-B,F/19,20-B,D-ELC
NITRATE-N	EPA 353.2
KJELDAHL-N	SM18-B,F/19,20-B,D-ELC
ORTHOPHOSPHATE	EPA 365.3
PHOSPHORUS, TOTAL	EPA 365.3
CHEMICAL OXYGEN DEMAND	HACH METHOD 8000
BIOCHEMICAL OXYGEN DEMAND	SM 5210B
TOTAL ORGANIC CARBON	SM 5310C
CYANIDE, TOTAL	SM 4500-CN-C,E
NON-FILTERABLE RESIDUE	SM 2540D
CHLORINE, TOTAL RESIDUAL	SM 4500-CL-G
OIL AND GREASE	EPA 1664
PHENOLICS, TOTAL	EPA 420.1
VOLATILE HALOCARBONS	EPA 624
VOLATILE AROMATICS	EPA 624
CHLORDANE	EPA 608
ALDRIN	EPA 608
ALPHA-BHC	EPA 608
BETA-BHC	EPA 608
GAMMA-BHC	EPA 608
DIELDRIN	EPA 608
DDD	EPA 608
DDE	EPA 608
DDT	EPA 608
ENDOSULFAN I	EPA 608
ENDOSULFAN II	EPA 608
ENDOSULFAN SULFATE	EPA 608
POLYCHLORINATED BIPHENYLS (WATEF	EPA 608

POTABLE WATER (CHEMISTRY) Effective Date 01 JUL 2011 Expiration Date 30 JUN 2012

<u>Analytes</u>	<u>Methods</u>
ANTIMONY	EPA 200.8
ARSENIC	EPA 200.8
BARIUM	EPA 200.7
BARIUM	EPA 200.8

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POTABLE WATER (CHEMISTRY)	Effective Date	01 JUL 2011	Expiration Date	30 JUN 2012
<u>Analytes</u>			<u>Methods</u>	
BERYLLIUM			EPA 200.7	
BERYLLIUM			EPA 200.8	
CADMIUM			EPA 200.7	
CADMIUM			EPA 200.8	
CHROMIUM			EPA 200.7	
CHROMIUM			EPA 200.8	
COPPER			EPA 200.7	
COPPER			EPA 200.8	
LEAD			EPA 200.8	
MERCURY			EPA 200.8	
NICKEL			EPA 200.7	
NICKEL			EPA 200.8	
SELENIUM			EPA 200.8	
SILVER			EPA 200.7	
SILVER			EPA 200.8	
THALLIUM			EPA 200.8	
NITRATE-N			EPA 353.2	
NITRITE-N			EPA 353.2	
FLUORIDE			EPA 300.0	
SODIUM			EPA 200.7	
SULFATE			EPA 300.0	
CYANIDE, TOTAL			SM 4500-CN-C,E	
TURBIDITY			EPA 180.1	
CALCIUM			EPA 200.7	
ALKALINITY, TOTAL			SM 2320B	
TOTAL DISSOLVED SOLIDS			SM 2540C	
PH			EPA 150.1	
TRICHALOMETHANES			EPA 524.2	
VOLATILE ORGANIC COMPOUNDS			EPA 524.2	
1,2-DIBROMOETHANE			EPA 504.1	
1,2-DIBROMO-3-CHLOROPROPANE			EPA 504.1	