

# *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 (CHEMISTRY)  
NON POTABLE WATER (CHEMISTRY)  
POTABLE WATER (RADIOCHEMISTRY)  
POTABLE WATER (MICROBIOLOGY)  
NON POTABLE WATER (MICROBIOLOGY)

*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.*

A handwritten signature in cursive script, reading "Oscar C. Parola".

*Director, Division of Environmental Analysis*

*Issued:* 01 JUL 2017

*Expires:* 30 JUN 2018

**COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: **01 JUL 2017**

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

**NON POTABLE WATER (MICROBIOLOGY)      Effective Date      01 JUL 2015      Expiration Date      30 JUN 2018**

**Analytes**

E. COLI	AMBIENT WATER
ENTEROCOCCI	AMBIENT WATER
FECAL COLIFORM	WASTEWATER
E. COLI	WASTEWATER
ENTEROCOCCI	WASTEWATER

**Methods**

MPN-SM9221F  
ENTEROLERT  
MPN-SM9221E  
SM 9223B-COLILERT  
ENTEROLERT

**POTABLE WATER (MICROBIOLOGY)      Effective Date      01 JUL 2015      Expiration Date      30 JUN 2018**

**Analytes**

TOTAL COLIFORM	WATER TREATMENT AND DISTRIBUTION (P/A)
E. COLI	WATER TREATMENT AND DISTRIBUTION (P/A)
TOTAL COLIFORM	SOURCE WATER (ENUMERATION)
E. COLI	SOURCE WATER (ENUMERATION)
ENTEROCOCCI	SOURCE WATER (P/A)

**Methods**

ENZ. SUB. SM9223  
ENZ. SUB. SM9223  
SM 9223B-COLILERT  
SM 9223B-COLILERT  
ENTEROLERT

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

<b>NON POTABLE WATER (CHEMISTRY)</b>	<b>Effective Date</b>	<b>16 JUL 2015</b>	<b>Expiration Date</b>	<b>30 JUN 2018</b>
<u><b>Analytes</b></u>			<u><b>Methods</b></u>	
ALUMINUM			EPA 200.8	
ANTIMONY			EPA 200.8	
ARSENIC			EPA 200.8	
BERYLLIUM			EPA 200.8	
CADMIUM			EPA 200.8	
CHROMIUM			EPA 200.8	
COBALT			EPA 200.8	
COPPER			EPA 200.8	
IRON			EPA 200.8	
LEAD			EPA 200.8	
MANGANESE			EPA 200.8	
MOLYBDENUM			EPA 200.8	
NICKEL			EPA 200.8	
SELENIUM			EPA 200.8	
SILVER			EPA 200.8	
THALLIUM			EPA 200.8	
TITANIUM			EPA 200.8	
VANADIUM			EPA 200.8	
ZINC			EPA 200.8	
PH			SM 4500-H-B	
SPECIFIC CONDUCTIVITY			EPA 120.1	
TOTAL DISSOLVED SOLIDS			SM 2540C	
CALCIUM			EPA 200.8	
MAGNESIUM			EPA 200.8	
SODIUM			EPA 200.8	
POTASSIUM			EPA 200.8	
ALKALINITY, TOTAL			SM 2320B	
CHLORIDE			SM 4500-CL-E	
CHLORIDE			EPA 300.0	
FLUORIDE			EPA 300.0	
SULFATE			EPA 300.0	
AMMONIA-N			SM 4500-NH3-B, D	
AMMONIA-N			TIMBERLINE-NH3-001	
NITRATE-N			EPA 353.2	
KJELDAHL-N			SM 4500-NH3-B,D	
ORTHOPHOSPHATE			EPA 365.1	
PHOSPHORUS, TOTAL			EPA 365.1	
CHEMICAL OXYGEN DEMAND			HACH METHOD 8000	
BIOCHEMICAL OXYGEN DEMAND			SM 5210B	
TOTAL ORGANIC CARBON			SM 5310C	
CYANIDE, TOTAL			SM 4500-CN-C,E	
CYANIDE, TOTAL			ASTM D7511	
NON-FILTERABLE RESIDUE			SM 2540D	



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NITRATE-N			EPA 353.2	
NITRITE-N			EPA 353.2	
FLUORIDE			EPA 300.0	
SULFATE			EPA 300.0	
CYANIDE, TOTAL			SM 4500-CN-C,E	
TURBIDITY			EPA 180.1	
CHLORINE, RESIDUAL FREE			SM 4500-CL-G	
ALKALINITY, TOTAL			SM 2320B	
TOTAL DISSOLVED SOLIDS			SM 2540C	
PH			SM 4500-H-B	
2,4-D			EPA 515.4	
2,4,5-TP			EPA 515.4	
DINOSEB			EPA 515.4	
PENTACHLOROPHENOL			EPA 515.4	
PICLORAM			EPA 515.4	
ALACHLOR			EPA 525.2	
ATRAZINE			EPA 525.2	
CHLORDANE			EPA 505	
ENDRIN			EPA 525.2	
HEPTACHLOR			EPA 525.2	
HEPTACHLOR EPOXIDE			EPA 525.2	
HEXACHLOROBENZENE			EPA 525.2	
HEXACHLOROCYCLOPENTADIENE			EPA 525.2	
LINDANE			EPA 525.2	
METHOXYCHLOR			EPA 525.2	
SIMAZINE			EPA 525.2	
TOXAPHENE			EPA 505	
ALDICARB			EPA 531.2	
ALDICARB SULFONE			EPA 531.2	
ALDICARB SULFOXIDE			EPA 531.2	
CARBOFURAN			EPA 531.2	
VYDATE			EPA 531.2	
BENZO-A-PYRENE			EPA 525.2	
ADIPATES/PHTHALATES			EPA 525.2	
TRIHALOMETHANES			EPA 524.2	
VOLATILE ORGANIC COMPOUNDS			EPA 524.2	
1,2-DIBROMOETHANE			EPA 504.1	
1,2-DIBROMO-3-CHLOROPROPANE			EPA 504.1	
HALOACETIC ACIDS			EPA 552.3	

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Analytes

URANIUM

Methods

EPA 200.8