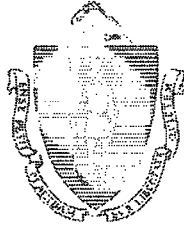


The Commonwealth of Massachusetts



Department of Environmental Protection

Division of Environmental Laboratory Sciences

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 NON POTABLE WATER (MICROBIOLOGY)
POTABLE WATER (MICROBIOLOGY)
NON POTABLE WATER (CHEMISTRY)
POTABLE WATER (RADIOCHEMISTRY)
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 Laboratory Sciences 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. Jacinto".

Director, Division of Environmental Laboratory Sciences

Issued: 01 JUL 2019

Expires: 30 JUN 2020

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: 01 JUL 2019

M-NH005 EASTERN ANALYTICAL INC
CONCORD NH

NON POTABLE WATER (MICROBIOLOGY) **Effective Date** **01 JUL 2015** **Expiration Date** **30 JUN 2020**

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 2015** **Expiration Date** **30 JUN 2020**

Analytes

Methods

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
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2019

M-NH005 EASTERN ANALYTICAL INC
CONCORD NH

NON POTABLE WATER (CHEMISTRY)	Effective Date	24 JUL 2018	Expiration Date	30 JUN 2020
<u>Analytes</u>			<u>Methods</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	

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: 01 JUL 2019

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

NON POTABLE WATER (CHEMISTRY) Effective Date 24 JUL 2018 Expiration Date 30 JUN 2020

Analytes

Methods

CHLORINE, TOTAL RESIDUAL	SM 4500-CL-G
OIL AND GREASE	EPA 1664
PHENOLICS, TOTAL	EPA 420.1
VOLATILE HALOCARBONS	EPA 624.1
VOLATILE AROMATICS	EPA 624.1
CHLORDANE	EPA 608.3
TOXAPHENE	EPA 608.3
ALDRIN	EPA 608.3
ALPHA-BHC	EPA 608.3
BETA-BHC	EPA 608.3
GAMMA-BHC	EPA 608.3
DELTA-BHC	EPA 608.3
DIELDRIN	EPA 608.3
DDD	EPA 608.3
DDE	EPA 608.3
DDT	EPA 608.3
ENDOSULFAN I	EPA 608.3
ENDOSULFAN II	EPA 608.3
ENDOSULFAN SULFATE	EPA 608.3
ENDRIN	EPA 608.3
ENDRIN ALDEHYDE	EPA 608.3
HEPTACHLOR	EPA 608.3
HEPTACHLOR EPOXIDE	EPA 608.3
SVOC-ACID EXTRACTABLES	EPA 625.1
SVOC-BASE/NEUTRAL EXTRACTABLES	EPA 625.1
POLYCHLORINATED BIPHENYLS (WATER)	EPA 608.3

POTABLE WATER (CHEMISTRY) Effective Date 16 JUL 2015 Expiration Date 30 JUN 2020

Analytes

Methods

ANTIMONY	EPA 200.8
ARSENIC	EPA 200.8
BARIUM	EPA 200.8
BERYLLIUM	EPA 200.8
CADMIUM	EPA 200.8
CHROMIUM	EPA 200.8
COPPER	EPA 200.8
LEAD	EPA 200.8
MERCURY	EPA 200.8
NICKEL	EPA 200.8
SELENIUM	EPA 200.8
SILVER	EPA 200.8
THALLIUM	EPA 200.8

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: **01 JUL 2019**

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

POTABLE WATER (CHEMISTRY)	Effective Date	16 JUL 2015	Expiration Date	30 JUN 2020
<u>Analytes</u>				<u>Methods</u>
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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Certified Parameter List as of: 01 JUL 2019

M-NH005 EASTERN ANALYTICAL INC
CONCORD NH

<u>Analytes</u>	<u>Effective Date</u>	<u>Expiration Date</u>	<u>Methods</u>
POTABLE WATER (RADIOCHEMISTRY)	01 JUL 2015	30 JUN 2020	
URANIUM			EPA 200.8