

The Commonwealth of Massachusetts



Department of Environmental Protection

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

certifies

**M-CT007 PHOENIX ENVIRONMENTAL LABORATORIES INC
587 EAST MIDDLE TPKE
MANCHESTER, CT 06040-0000**

Laboratory Director: **PHYLLIS SHILLER**

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

A handwritten signature in black ink, appearing to read "Oscar C. Jacobo".

Director, Division of Environmental Analysis

Issued: **01 JUL 2024**

Expires: **30 JUN 2025**

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: 26 APR 2024

**M-CT007 PHOENIX ENVIRONMENTAL LABORATORIES INC
MANCHESTER CT**

NON POTABLE WATER (MICROBIOLOGY) Effective Date 01 JUL 2022 Expiration Date 30 JUN 2025

Analytes

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

Methods

SM 9223B-COLILERT
ENTEROLERT
MF-SM9222D
SM9223B-COLILERT-18
SM 9223B-COLILERT
ENTEROLERT

POTABLE WATER (MICROBIOLOGY) Effective Date 04 FEB 2016 Expiration Date 30 JUN 2025

Analytes

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

Methods

SM9215B
MF-SM9222B
ENZ. SUB. SM9223
MF-SM9222D
ENZ. SUB. SM9223
NA-MUG-SM9222G
MF-SM9222B
SM 9223B-COLILERT
SM 9223B-COLILERT
NA-MUG-SM9222G
ENTEROLERT

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Certified Parameter List as of: 26 APR 2024

**M-CT007 PHOENIX ENVIRONMENTAL LABORATORIES INC
MANCHESTER CT**

NON POTABLE WATER (CHEMISTRY)	Effective Date	05 SEP 2019	Expiration Date	30 JUN 2025
<u>Analytes</u>			<u>Methods</u>	
ALUMINUM			EPA 200.7	
ALUMINUM			EPA 200.8	
ANTIMONY			EPA 200.7	
ANTIMONY			SM 3113B	
ANTIMONY			EPA 200.8	
ARSENIC			EPA 200.7	
ARSENIC			SM 3113B	
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	
IRON			EPA 200.8	
LEAD			EPA 200.7	
LEAD			SM 3113B	
LEAD			EPA 200.8	
MANGANESE			EPA 200.7	
MANGANESE			EPA 200.8	
MERCURY			EPA 245.1	
MOLYBDENUM			EPA 200.7	
MOLYBDENUM			EPA 200.8	
NICKEL			EPA 200.7	
NICKEL			EPA 200.8	
SELENIUM			EPA 200.7	
SELENIUM			SM 3113B	
SELENIUM			EPA 200.8	
SILVER			EPA 200.7	
SILVER			EPA 200.8	
STRONTIUM			EPA 200.7	
THALLIUM			EPA 200.7	
THALLIUM			EPA 200.9	
THALLIUM			EPA 200.8	
TITANIUM			EPA 200.7	
TITANIUM			EPA 200.8	
VANADIUM			EPA 200.7	
VANADIUM			EPA 200.8	

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MANCHESTER CT**

NON POTABLE WATER (CHEMISTRY)	Effective Date	05 SEP 2019	Expiration Date	30 JUN 2025
<u>Analytes</u>			<u>Methods</u>	
ZINC			EPA 200.7	
ZINC			EPA 200.8	
PH			SM 4500-H-B	
SPECIFIC CONDUCTIVITY			SM 2510B	
TOTAL DISSOLVED SOLIDS			SM 2540C	
HARDNESS (CACO3), TOTAL			EPA 200.7	
CALCIUM			EPA 200.7	
CALCIUM			EPA 200.8	
MAGNESIUM			EPA 200.7	
MAGNESIUM			EPA 200.8	
SODIUM			EPA 200.7	
SODIUM			EPA 200.8	
POTASSIUM			EPA 200.7	
POTASSIUM			EPA 200.8	
ALKALINITY, TOTAL			SM 2320B	
CHLORIDE			SM 4500-CL-E	
CHLORIDE			EPA 300.0	
SULFATE			SM 4500-SO4-D	
SULFATE			EPA 300.0	
AMMONIA-N			EPA 350.1	
NITRATE-N			EPA 300.0	
NITRATE-N			EPA 353.2	
KJELDAHL-N			EPA 351.1	
ORTHOPHOSPHATE			SM 4500-P-E	
PHOSPHORUS, TOTAL			SM 4500-P-B,E	
CHEMICAL OXYGEN DEMAND			SM 5220D	
BIOCHEMICAL OXYGEN DEMAND			SM 5210B	
TOTAL ORGANIC CARBON			SM 5310B	
CYANIDE, TOTAL			EPA 335.4	
NON-FILTERABLE RESIDUE			SM 2540D	
CHLORINE, TOTAL RESIDUAL			SM 4500-CL-G	
OIL AND GREASE			EPA 1664	
PHENOLICS, TOTAL			EPA 420.4	
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	

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NON POTABLE WATER (CHEMISTRY)	Effective Date	05 SEP 2019	Expiration Date	30 JUN 2025
<u>Analytes</u>			<u>Methods</u>	
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 (WATEF)			EPA 608.3	
POLYCHLORINATED BIPHENYLS (OIL)			EPA 600/4-81-045	

POTABLE WATER (CHEMISTRY)	Effective Date	01 JUL 2018	Expiration Date	30 JUN 2025
<u>Analytes</u>			<u>Methods</u>	
ALUMINUM			EPA 200.7	
ALUMINUM			EPA 200.8	
ANTIMONY			EPA 200.8	
ANTIMONY			EPA 200.9	
ARSENIC			EPA 200.8	
ARSENIC			EPA 200.9	
BARIUM			EPA 200.7	
BARIUM			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	
COPPER			EPA 200.5	
COPPER			EPA 200.7	
COPPER			EPA 200.8	
IRON			EPA 200.7	
LEAD			EPA 200.5	
LEAD			EPA 200.8	
LEAD			EPA 200.9	
MANGANESE			EPA 200.7	
MANGANESE			EPA 200.8	
MERCURY			EPA 245.1	
NICKEL			EPA 200.7	

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<u>Analytes</u>			<u>Methods</u>	
NICKEL			EPA 200.8	
SELENIUM			EPA 200.8	
SELENIUM			EPA 200.9	
SILVER			EPA 200.7	
SILVER			EPA 200.8	
THALLIUM			EPA 200.8	
THALLIUM			EPA 200.9	
ZINC			EPA 200.7	
ZINC			EPA 200.8	
NITRATE-N			EPA 300.0	
NITRATE-N			EPA 353.2	
NITRITE-N			EPA 300.0	
NITRITE-N			EPA 353.2	
FLUORIDE			EPA 300.0	
FLUORIDE			SM 4500-F-C	
SODIUM			EPA 200.7	
CHLORIDE			EPA 300.0	
SULFATE			EPA 300.0	
CYANIDE, TOTAL			EPA 335.4	
TURBIDITY			SM 2130B	
CHLORINE, RESIDUAL FREE			SM 4500-CL-G	
CALCIUM			EPA 200.7	
ALKALINITY, TOTAL			SM 2320B	
TOTAL DISSOLVED SOLIDS			SM 2540C	
PH			SM 4500-H-B	
2,4-D			EPA 515.3	
2,4,5-TP			EPA 515.3	
DALAPON			EPA 515.3	
DINOSEB			EPA 515.3	
PENTACHLOROPHENOL			EPA 515.3	
PICLORAM			EPA 515.3	
ALACHLOR			EPA 525.3	
ATRAZINE			EPA 525.3	
CHLORDANE			EPA 525.3	
ENDRIN			EPA 525.3	
HEPTACHLOR			EPA 525.3	
HEPTACHLOR EPOXIDE			EPA 525.3	
HEXACHLOROBENZENE			EPA 525.3	
HEXACHLOROCYCLOPENTADIENE			EPA 525.3	
LINDANE			EPA 525.3	
METHOXYCHLOR			EPA 525.3	
SIMAZINE			EPA 525.3	
TOXAPHENE			EPA 525.3	

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<u>Analytes</u>			<u>Methods</u>	
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 525.3	
ADIPATES/PHTHALATES			EPA 525.3	
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 552.2	
1,4-DIOXANE			EPA 522	
DIQUAT			EPA 549.2	
GLYPHOSATE			EPA 547	

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PHOENIX ENVIRONMENTAL LABORATORIES INC
MANCHESTER CT

POTABLE WATER (RADIOCHEMISTRY)

Effective
Date

04 NOV 2016

Expiration Date 30 JUN 2025

Analytes

URANIUM

Methods

EPA 200.8