

# *The Commonwealth of Massachusetts*



## *Department of Environmental Protection*

*Division of Environmental Laboratory Sciences*

*Senator William X. Wall Experiment Station*

*certifies*

**M-RI002**

**ESS LABORATORY  
DIV OF THIELSCH ENGINEERING  
185 FRANCES AVE  
CRANSTON, RI 02910-0000**

*Laboratory Director:* **LAUREL STODDARD**

*for the analysis of* **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 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 black ink, appearing to read "Oscar E. Jacobo".

*Director, Division of Environmental Laboratory Sciences*

*Issued:* **01 JUL 2023**

*Expires:* **30 JUN 2024**

**COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**Certified Parameter List as of: 04 MAY 2023**

**M-RI002                   ESS LABORATORY  
                                 CRANSTON RI**

<b>NON POTABLE WATER (CHEMISTRY)</b>	<b>Effective Date</b>	<b>01 JUL 2022</b>	<b>Expiration Date</b>	<b>30 JUN 2024</b>
<u><b>Analytes</b></u>			<u><b>Methods</b></u>	
ALUMINUM			EPA 200.7	
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	
LEAD			EPA 200.7	
LEAD			EPA 200.8	
MANGANESE			EPA 200.7	
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	
THALLIUM			EPA 200.7	
THALLIUM			EPA 200.8	
TITANIUM			EPA 200.7	
VANADIUM			EPA 200.7	
ZINC			EPA 200.7	
PH			SM 4500-H-B	
SPECIFIC CONDUCTIVITY			EPA 120.1	
TOTAL DISSOLVED SOLIDS			SM 2540C	
HARDNESS (CaCO3), TOTAL			SM 2340B	
CALCIUM			EPA 200.7	
MAGNESIUM			EPA 200.7	
SODIUM			EPA 200.7	
POTASSIUM			EPA 200.7	



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**M-RI002                   ESS LABORATORY  
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**NON POTABLE WATER (CHEMISTRY)                   Effective Date                   01 JUL 2022                   Expiration Date                   30 JUN 2024**

**Analytes**

SVOC-BASE/NEUTRAL EXTRACTABLES  
POLYCHLORINATED BIPHENYLS (WATER)

**Methods**

EPA 625.1  
EPA 608.3

**POTABLE WATER (CHEMISTRY)                   Effective Date                   12 JAN 2022                   Expiration Date                   30 JUN 2024**

**Analytes**

ANTIMONY  
ANTIMONY  
ARSENIC  
ARSENIC  
BARIUM  
BARIUM  
BERYLLIUM  
BERYLLIUM  
CADMIUM  
CADMIUM  
CHROMIUM  
CHROMIUM  
COPPER  
COPPER  
LEAD  
LEAD  
MERCURY  
NICKEL  
NICKEL  
SELENIUM  
SELENIUM  
SILVER  
THALLIUM  
THALLIUM  
NITRATE-N  
NITRITE-N  
FLUORIDE  
SODIUM  
SULFATE  
CYANIDE, TOTAL  
TURBIDITY  
CALCIUM  
ALKALINITY, TOTAL  
TOTAL DISSOLVED SOLIDS  
PH  
PH  
TRIHALOMETHANES

**Methods**

EPA 200.8  
EPA 200.9  
EPA 200.8  
EPA 200.9  
EPA 200.7  
EPA 200.8  
EPA 200.7  
EPA 200.8  
EPA 200.7  
EPA 200.8  
EPA 200.7  
EPA 200.8  
EPA 200.7  
EPA 200.8  
EPA 200.7  
EPA 200.8  
EPA 200.9  
EPA 200.7  
EPA 200.8  
EPA 200.8  
EPA 200.9  
EPA 353.2  
EPA 353.2  
EPA 300.0  
EPA 200.7  
EPA 300.0  
SM 4500-CN-C,E  
EPA 180.1  
EPA 200.7  
SM 2320B  
SM 2540C  
EPA 150.1  
SM 4500-H-B  
EPA 524.2

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Certified Parameter List as of: 04 MAY 2023

M-RI002            ESS LABORATORY  
                      CRANSTON RI

POTABLE WATER (CHEMISTRY)

Effective        12 JAN 2022  
Date

Expiration     30 JUN 2024  
Date

Analytes

VOLATILE ORGANIC COMPOUNDS  
1,2-DIBROMOETHANE  
1,2-DIBROMO-3-CHLOROPROPANE  
HALOACETIC ACIDS

Methods

EPA 524.2  
EPA 504.1  
EPA 504.1  
EPA 552.2