The Commonwealth of Massachusetts



Department of Environmental Protection

Division of Environmental Analysis Senator William X. Wall Experiment Station

certifies

M-RI002 ESS LABORATORY
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 Analysis to verify the current certification status of the laboratory.

Issued:

Expires:

01 JUL 2024

30 JUN 2025

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

Director, Division of Environmental Analysis

COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION

22 MAY 2024

Certified Parameter List as of:

M-RI002

ESS LABORATORY CRANSTON RI

NON POTABLE WATER (CHEMISTRY)	Effective Date	22 MAY 2024	Expiration Date	30 JUN 2025
Analytes			Methods	
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	
LEAD			EPA 200.7	
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	
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	

COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION

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Analytes			Methods
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			EPA 350.1
NITRATE-N			EPA 353.2
KJELDAHL-N			SM 4500-NH3-B,D
KJELDAHL-N			EPA 351.2
ORTHOPHOSPHATE			EPA 365.1
ORTHOPHOSPHATE			EPA 365.3
PHOSPHORUS, TOTAL			EPA 365.3
PHOSPHORUS, TOTAL			EPA 365.1
CHEMICAL OXYGEN DEMAND			EPA 410.4
BIOCHEMICAL OXYGEN DEMAND			SM 5210B
TOTAL ORGANIC CARBON			SM 5310B
CYANIDE, TOTAL			SM 4500-CN-C,E
NON-FILTERABLE RESIDUE			SM 2540D
CHLORINE, TOTAL RESIDUAL			SM 4500-CL-D
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
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

COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 22 MAY 2024

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NON POTABLE WATER (CHEMISTRY)	Effective Date	22 MAY 2024	Expiration Date	30 JUN 2025
Analytes			Methods	
SVOC-ACID EXTRACTABLES			EPA 625.1	
SVOC-BASE/NEUTRAL EXTRACTABLES			EPA 625.1	
POLYCHLORINATED BIPHENYLS (WATER			EPA 608.3	
POTABLE WATER (CHEMISTRY)	Effective	28 FEB 2024		30 JUN 2025
	Date		Date	
Analytes			Methods	
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 200.7	
COPPER	87		EPA 200.8	
IRON			EPA 200.7	
LEAD			EPA 200.8	
LEAD			EPA 200.9	
MANGANESE			EPA 200.7	
MANGANESE			EPA 200.8	
MERCURY			EPA 245.1	
NICKEL			EPA 200.7	
NICKEL			EPA 200.8	
SELENIUM			EPA 200.8	
SELENIUM			EPA 200.9	
SILVER			EPA 200.7	
SILVER			EPA 200.8	
THALLIUM			EPA 200.8	
ZINC			EPA 200.7	
ZINC			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	
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CRANSTON RI

POTABLE WATER (CHEMISTRY)	Effective Date	28 FEB 2024	Expiration 30 JUN 2025 Date
Analytes			Methods
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
PH			SM 4500-H-B
PFAS			EPA 537.1
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