

The Commonwealth of Massachusetts



Department of Environmental Protection
Division of Environmental Laboratory Sciences
Senator William X. Wall Experiment Station

certifies

**M-MA153 MWRA CENTRAL LABORATORY
DEER IS TREATMENT PLANT 190 TAFTS AVE
WINTHROP, MA 02152**

Laboratory Director: **STEVE RHODE**

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

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.

Handwritten signature of Parinya Panuwet in black ink.

Parinya Panuwet, PhD, MSc, DABT
Director, Division of Environmental Laboratory Sciences



<https://www.mass.gov/certified-laboratories>

Handwritten signature of Lisa J. Touet in black ink.

Lisa J. Touet
Director, Laboratory Certification Program

Issued: **07/01/2026**
Expires: **06/30/2027**

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: 12-May-2026

M-MA153

MWRA CENTRAL LABORATORY

NON POTABLE WATER (CHEMISTRY)

Last Effective Date 01-Jul-2018

Expiration Date 30-Jun-2027

STATUS	ANALYTE	METHOD	RULE
CERTIFIED	CYANIDE, TOTAL	ASTM D7511	
CERTIFIED	OIL AND GREASE	EPA 1664	
CERTIFIED	ALUMINUM	EPA 200.7	
CERTIFIED	ANTIMONY	EPA 200.7	
CERTIFIED	ARSENIC	EPA 200.7	
CERTIFIED	BERYLLIUM	EPA 200.7	
CERTIFIED	CADMIUM	EPA 200.7	
CERTIFIED	CALCIUM	EPA 200.7	
CERTIFIED	CHROMIUM	EPA 200.7	
CERTIFIED	COBALT	EPA 200.7	
CERTIFIED	COPPER	EPA 200.7	
CERTIFIED	IRON	EPA 200.7	
CERTIFIED	LEAD	EPA 200.7	
CERTIFIED	MAGNESIUM	EPA 200.7	
CERTIFIED	MANGANESE	EPA 200.7	
CERTIFIED	MOLYBDENUM	EPA 200.7	
CERTIFIED	NICKEL	EPA 200.7	
CERTIFIED	POTASSIUM	EPA 200.7	
CERTIFIED	SELENIUM	EPA 200.7	
CERTIFIED	SILVER	EPA 200.7	
CERTIFIED	SODIUM	EPA 200.7	
CERTIFIED	THALLIUM	EPA 200.7	
CERTIFIED	TITANIUM	EPA 200.7	
CERTIFIED	VANADIUM	EPA 200.7	
CERTIFIED	ZINC	EPA 200.7	
CERTIFIED	ALUMINUM	EPA 200.8	
CERTIFIED	ANTIMONY	EPA 200.8	
CERTIFIED	ARSENIC	EPA 200.8	
CERTIFIED	BERYLLIUM	EPA 200.8	
CERTIFIED	CADMIUM	EPA 200.8	
CERTIFIED	CHROMIUM	EPA 200.8	
CERTIFIED	COBALT	EPA 200.8	
CERTIFIED	COPPER	EPA 200.8	
CERTIFIED	LEAD	EPA 200.8	
CERTIFIED	MANGANESE	EPA 200.8	
CERTIFIED	MOLYBDENUM	EPA 200.8	
CERTIFIED	NICKEL	EPA 200.8	
CERTIFIED	SELENIUM	EPA 200.8	
CERTIFIED	SILVER	EPA 200.8	
CERTIFIED	THALLIUM	EPA 200.8	
CERTIFIED	VANADIUM	EPA 200.8	
CERTIFIED	ZINC	EPA 200.8	
CERTIFIED	ANTIMONY	EPA 200.9	
CERTIFIED	ARSENIC	EPA 200.9	

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CERTIFIED	CADMIUM	EPA 200.9	
CERTIFIED	CHROMIUM	EPA 200.9	
CERTIFIED	COPPER	EPA 200.9	
CERTIFIED	LEAD	EPA 200.9	
CERTIFIED	NICKEL	EPA 200.9	
CERTIFIED	SELENIUM	EPA 200.9	
CERTIFIED	SILVER	EPA 200.9	
CERTIFIED	THALLIUM	EPA 200.9	
CERTIFIED	MERCURY	EPA 245.1	
CERTIFIED	MERCURY	EPA 245.7	
CERTIFIED	CHLORIDE	EPA 300.0	
CERTIFIED	SULFATE	EPA 300.0	
CERTIFIED	AMMONIA-N	EPA 350.1	
CERTIFIED	KJELDAHL-N	EPA 351.2	
CERTIFIED	NITRATE-N	EPA 353.2	
CERTIFIED	ORTHOPHOSPHATE	EPA 365.1	
CERTIFIED	PHOSPHORUS, TOTAL	EPA 365.1	
CERTIFIED	ALDRIN	EPA 608.3	
CERTIFIED	ALPHA-BHC	EPA 608.3	
CERTIFIED	BETA-BHC	EPA 608.3	
CERTIFIED	CHLORDANE	EPA 608.3	
CERTIFIED	DDD	EPA 608.3	
CERTIFIED	DDE	EPA 608.3	
CERTIFIED	DDT	EPA 608.3	
CERTIFIED	DELTA-BHC	EPA 608.3	
CERTIFIED	DIELDRIN	EPA 608.3	
CERTIFIED	ENDOSULFAN I	EPA 608.3	
CERTIFIED	ENDOSULFAN II	EPA 608.3	
CERTIFIED	ENDOSULFAN SULFATE	EPA 608.3	
CERTIFIED	ENDRIN	EPA 608.3	
CERTIFIED	ENDRIN ALDEHYDE	EPA 608.3	
CERTIFIED	GAMMA-BHC	EPA 608.3	
CERTIFIED	HEPTACHLOR	EPA 608.3	
CERTIFIED	HEPTACHLOR EPOXIDE	EPA 608.3	
CERTIFIED	POLYCHLORINATED BIPHENYLS (WATER)	EPA 608.3	
CERTIFIED	VOLATILE AROMATICS	EPA 624.1	
CERTIFIED	VOLATILE HALOCARBONS	EPA 624.1	
CERTIFIED	SVOC-ACID EXTRACTABLES	EPA 625.1	
CERTIFIED	SVOC-BASE/NEUTRAL EXTRACTABLES	EPA 625.1	
CERTIFIED	CHEMICAL OXYGEN DEMAND	HACH METHOD 8000	
CERTIFIED	ALKALINITY, TOTAL	SM 2320B	
CERTIFIED	HARDNESS (CACO3), TOTAL	SM 2340B	
CERTIFIED	SPECIFIC CONDUCTIVITY	SM 2510B	
CERTIFIED	TOTAL DISSOLVED SOLIDS	SM 2540C	

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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MWRA CENTRAL LABORATORY

NON POTABLE WATER (CHEMISTRY)

Last Effective Date 01-Jul-2018

Expiration Date 30-Jun-2027

CERTIFIED	NON-FILTERABLE RESIDUE	SM 2540D	
CERTIFIED	MOLYBDENUM	SM 3113 B	
CERTIFIED	CHLORINE, TOTAL RESIDUAL	SM 4500-CL-G	
CERTIFIED	PH	SM 4500-H-B	
CERTIFIED	BIOCHEMICAL OXYGEN DEMAND	SM 5210B	
CERTIFIED	TOTAL ORGANIC CARBON	SM 5310B	

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MWRA CENTRAL LABORATORY

POTABLE WATER (CHEMISTRY)

Last Effective Date 17-Sep-2025

Expiration Date 30-Jun-2027

STATUS	ANALYTE	METHOD	RULE
CERTIFIED	BROMATE	EPA 300.1	
CERTIFIED	ALUMINUM	EPA 200.7	
CERTIFIED	BARIUM	EPA 200.7	
CERTIFIED	BERYLLIUM	EPA 200.7	
CERTIFIED	CADMIUM	EPA 200.7	
CERTIFIED	CALCIUM	EPA 200.7	
CERTIFIED	CHROMIUM	EPA 200.7	
CERTIFIED	COPPER	EPA 200.7	
CERTIFIED	IRON	EPA 200.7	
CERTIFIED	MANGANESE	EPA 200.7	
CERTIFIED	NICKEL	EPA 200.7	
CERTIFIED	SODIUM	EPA 200.7	
CERTIFIED	ZINC	EPA 200.7	
CERTIFIED	ALUMINUM	EPA 200.8	
CERTIFIED	ANTIMONY	EPA 200.8	
CERTIFIED	ARSENIC	EPA 200.8	
CERTIFIED	BARIUM	EPA 200.8	
CERTIFIED	BERYLLIUM	EPA 200.8	
CERTIFIED	CADMIUM	EPA 200.8	
CERTIFIED	CHROMIUM	EPA 200.8	
CERTIFIED	COPPER	EPA 200.8	
CERTIFIED	LEAD	EPA 200.8	
CERTIFIED	MANGANESE	EPA 200.8	
CERTIFIED	MERCURY	EPA 200.8	
CERTIFIED	NICKEL	EPA 200.8	
CERTIFIED	SELENIUM	EPA 200.8	
CERTIFIED	SILVER	EPA 200.8	
CERTIFIED	THALLIUM	EPA 200.8	
CERTIFIED	ZINC	EPA 200.8	
CERTIFIED	ANTIMONY	EPA 200.9	
CERTIFIED	ARSENIC	EPA 200.9	
CERTIFIED	CADMIUM	EPA 200.9	
CERTIFIED	CHROMIUM	EPA 200.9	
CERTIFIED	COPPER	EPA 200.9	
CERTIFIED	LEAD	EPA 200.9	
CERTIFIED	NICKEL	EPA 200.9	
CERTIFIED	SELENIUM	EPA 200.9	
CERTIFIED	THALLIUM	EPA 200.9	
CERTIFIED	MERCURY	EPA 245.1	
CERTIFIED	CHLORIDE	EPA 300.0	
CERTIFIED	SULFATE	EPA 300.0	
CERTIFIED	NITRATE-N	EPA 353.2	
CERTIFIED	NITRITE-N	EPA 353.2	
CERTIFIED	TRIALOMETHANES	EPA 524.2	

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MWRA CENTRAL LABORATORY

POTABLE WATER (CHEMISTRY)

Last Effective Date 17-Sep-2025

Expiration Date 30-Jun-2027

CERTIFIED	VOLATILE ORGANIC COMPOUNDS	EPA 524.2	
CERTIFIED	PFAS	EPA 537.1	
CERTIFIED	HALOACETIC ACIDS	EPA 552.2	
CERTIFIED	CYANIDE, AVAILABLE	OIA-1677	
CERTIFIED	TURBIDITY	SM 2130B	
CERTIFIED	ALKALINITY, TOTAL	SM 2320B	
CERTIFIED	TOTAL DISSOLVED SOLIDS	SM 2540C	
CERTIFIED	FLUORIDE	SM 4500-F-C	
CERTIFIED	PH	SM 4500-H-B	

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MWRA CENTRAL LABORATORY

NON POTABLE WATER (MICROBIOLOGY) Last Effective Date 01-Jul-2018

Expiration Date 30-Jun-2027

STATUS	ANALYTE	METHOD	RULE
CERTIFIED	ENTEROCOCCI	ENTEROLERT	AMBIENT WATER
CERTIFIED	ENTEROCOCCI	ENTEROLERT	WASTEWATER
CERTIFIED	FECAL COLIFORM	MF-SM9222D	WASTEWATER
CERTIFIED	E. COLI	SM 9223B-COLILERT	AMBIENT WATER
CERTIFIED	E. COLI	SM 9223B-COLILERT	WASTEWATER

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Certified Parameter List as of: 12-May-2026

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MWRA CENTRAL LABORATORY

POTABLE WATER (MICROBIOLOGY)

Last Effective Date 29-Jun-2023

Expiration Date 30-Jun-2027

STATUS	ANALYTE	METHOD	RULE
CERTIFIED	E. COLI	ENZ. SUB. SM9223	WATER TREATMENT AND DISTRIBUTION (P/A)
CERTIFIED	TOTAL COLIFORM	ENZ. SUB. SM9223	WATER TREATMENT AND DISTRIBUTION (P/A)

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MWRA CENTRAL LABORATORY

POTABLE WATER (RADIOCHEMISTRY)

Last Effective Date 01-Jul-2015

Expiration Date 30-Jun-2027

STATUS	ANALYTE	METHOD	RULE
CERTIFIED	URANIUM	EPA 200.8	