

# *The Commonwealth of Massachusetts*



## *Department of Environmental Protection*

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

*certifies*

**M-MA153                      MWRA CENTRAL LABORATORY  
DEER IS TREATMENT PLANT  
190 TAFTS AVE  
WINTHROP, MA 02152-0000**

*Laboratory Director:*    **STEVE RHODE**

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

*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 Analysis*

*Issued:*    **01 JUL 2024**  
*Expires:*    **30 JUN 2025**

**COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**Certified Parameter List as of: 09 MAY 2024**

**M-MA153 MWRA CENTRAL LABORATORY  
WINTHROP MA**

<b>NON POTABLE WATER (CHEMISTRY)</b>	<b>Effective Date</b>	<b>01 JUL 2018</b>	<b>Expiration Date</b>	<b>30 JUN 2025</b>
<u>Analytes</u>			<u>Methods</u>	
ALUMINUM			EPA 200.7	
ALUMINUM			EPA 200.8	
ANTIMONY			EPA 200.7	
ANTIMONY			EPA 200.9	
ANTIMONY			EPA 200.8	
ARSENIC			EPA 200.7	
ARSENIC			EPA 200.9	
ARSENIC			EPA 200.8	
BERYLLIUM			EPA 200.7	
BERYLLIUM			EPA 200.8	
CADMIUM			EPA 200.7	
CADMIUM			EPA 200.9	
CADMIUM			EPA 200.8	
CHROMIUM			EPA 200.7	
CHROMIUM			EPA 200.9	
CHROMIUM			EPA 200.8	
COBALT			EPA 200.7	
COBALT			EPA 200.8	
COPPER			EPA 200.7	
COPPER			EPA 200.9	
COPPER			EPA 200.8	
IRON			EPA 200.7	
LEAD			EPA 200.7	
LEAD			EPA 200.9	
LEAD			EPA 200.8	
MANGANESE			EPA 200.7	
MANGANESE			EPA 200.8	
MERCURY			EPA 245.1	
MERCURY			EPA 245.7	
MOLYBDENUM			EPA 200.7	
MOLYBDENUM			SM 3113 B	
MOLYBDENUM			EPA 200.8	
NICKEL			EPA 200.7	
NICKEL			EPA 200.9	
NICKEL			EPA 200.8	
SELENIUM			EPA 200.7	
SELENIUM			EPA 200.9	
SELENIUM			EPA 200.8	
SILVER			EPA 200.9	
SILVER			EPA 200.7	
SILVER			EPA 200.8	
THALLIUM			EPA 200.7	
THALLIUM			EPA 200.9	

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WINTHROP MA**

<b>NON POTABLE WATER (CHEMISTRY)</b>	<b>Effective Date</b>	<b>01 JUL 2018</b>	<b>Expiration Date</b>	<b>30 JUN 2025</b>
<u><b>Analytes</b></u>			<u><b>Methods</b></u>	
THALLIUM			EPA 200.8	
TITANIUM			EPA 200.7	
VANADIUM			EPA 200.7	
VANADIUM			EPA 200.8	
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			SM 2340B	
CALCIUM			EPA 200.7	
MAGNESIUM			EPA 200.7	
SODIUM			EPA 200.7	
POTASSIUM			EPA 200.7	
ALKALINITY, TOTAL			SM 2320B	
CHLORIDE			EPA 300.0	
SULFATE			EPA 300.0	
AMMONIA-N			EPA 350.1	
NITRATE-N			EPA 353.2	
KJELDAHL-N			EPA 351.2	
ORTHOPHOSPHATE			EPA 365.1	
PHOSPHORUS, TOTAL			EPA 365.1	
CHEMICAL OXYGEN DEMAND			HACH METHOD 8000	
BIOCHEMICAL OXYGEN DEMAND			SM 5210B	
TOTAL ORGANIC CARBON			SM 5310B	
CYANIDE, TOTAL			ASTM D7511	
NON-FILTERABLE RESIDUE			SM 2540D	
CHLORINE, TOTAL RESIDUAL			SM 4500-CL-G	
OIL AND GREASE			EPA 1664	
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	

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DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**Certified Parameter List as of: 09 MAY 2024**

**M-MA153 MWRA CENTRAL LABORATORY  
WINTHROP MA**

**NON POTABLE WATER (CHEMISTRY)                      Effective Date                      01 JUL 2018                      Expiration Date                      30 JUN 2025**

**Analytes**

ENDOSULFAN SULFATE  
ENDRIN  
ENDRIN ALDEHYDE  
HEPTACHLOR  
HEPTACHLOR EPOXIDE  
SVOC-ACID EXTRACTABLES  
SVOC-BASE/NEUTRAL EXTRACTABLES  
POLYCHLORINATED BIPHENYLS (WATEF

**Methods**

EPA 608.3  
EPA 608.3  
EPA 608.3  
EPA 608.3  
EPA 608.3  
EPA 625.1  
EPA 625.1  
EPA 608.3

**POTABLE WATER (CHEMISTRY)                      Effective Date                      25 FEB 2022                      Expiration Date                      30 JUN 2025**

**Analytes**

ALUMINUM  
ALUMINUM  
ANTIMONY  
ANTIMONY  
ARSENIC  
ARSENIC  
BARIUM  
BARIUM  
BERYLLIUM  
BERYLLIUM  
CADMIUM  
CADMIUM  
CADMIUM  
CHROMIUM  
CHROMIUM  
CHROMIUM  
COPPER  
COPPER  
COPPER  
IRON  
LEAD  
LEAD  
MANGANESE  
MANGANESE  
MERCURY  
MERCURY  
NICKEL  
NICKEL  
NICKEL  
SELENIUM  
SELENIUM

**Methods**

EPA 200.7  
EPA 200.8  
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 200.9  
EPA 200.7  
EPA 200.8  
EPA 200.9  
EPA 200.7  
EPA 200.8  
EPA 200.9  
EPA 245.1  
EPA 200.8  
EPA 200.7  
EPA 200.8  
EPA 200.9  
EPA 200.8  
EPA 200.9  
EPA 200.8

COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 09 MAY 2024

M-MA153 MWRA CENTRAL LABORATORY  
WINTHROP MA

POTABLE WATER (CHEMISTRY)	Effective Date	25 FEB 2022	Expiration Date	30 JUN 2025
<u>Analytes</u>			<u>Methods</u>	
SILVER			EPA 200.8	
THALLIUM			EPA 200.8	
THALLIUM			EPA 200.9	
ZINC			EPA 200.7	
ZINC			EPA 200.8	
NITRATE-N			EPA 353.2	
NITRITE-N			EPA 353.2	
FLUORIDE			SM 4500-F-C	
SODIUM			EPA 200.7	
CHLORIDE			EPA 300.0	
SULFATE			EPA 300.0	
CYANIDE, AVAILABLE			OIA-1677	
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	
PFAS			EPA 537.1	
TRIHALOMETHANES			EPA 524.2	
VOLATILE ORGANIC COMPOUNDS			EPA 524.2	
HALOACETIC ACIDS			EPA 552.2	
BROMATE			EPA 300.1	

COMMONWEALTH OF MASSACHUSETTS  
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Certified Parameter List as of: 09 MAY 2024

M-MA153 MWRA CENTRAL LABORATORY  
WINTHROP MA

**NON POTABLE WATER (MICROBIOLOGY)**      **Effective Date**      **01 JUL 2018**      **Expiration Date**      **30 JUN 2025**

Analytes

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

Methods

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

**POTABLE WATER (MICROBIOLOGY)**      **Effective Date**      **29 JUN 2023**      **Expiration Date**      **30 JUN 2025**

Analytes

TOTAL COLIFORM	WATER TREATMENT AND DISTRIBUTION (P/A)
E. COLI	WATER TREATMENT AND DISTRIBUTION (P/A)

Methods

ENZ. SUB. SM9223  
ENZ. SUB. SM9223

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Certified Parameter List as of: 09 MAY 2024

M-MA153

MWRA CENTRAL LABORATORY  
WINTHROP MA

POTABLE WATER (RADIOCHEMISTRY)

Effective  
Date

01 JUL 2015

Expiration Date 30 JUN 2025

Analytes

URANIUM

Methods

EPA 200.8