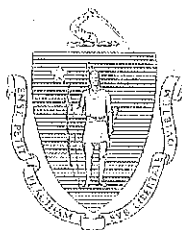


The Commonwealth of Massachusetts



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 02152-0000

Laboratory Director: STEVE RHODE

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


Director, Division of Environmental Laboratory Sciences

Issued: 01 JUL 2022
Expires: 30 JUN 2023

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: **01 JUL 2022**

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

NON POTABLE WATER (CHEMISTRY) Effective Date 01 JUL 2018 Expiration Date 30 JUN 2023

<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

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: **01 JUL 2022**

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

NON POTABLE WATER (CHEMISTRY)	Effective Date	01 JUL 2018	Expiration Date	30 JUN 2023
<u>Analytes</u>			<u>Methods</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	

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: **01 JUL 2022**

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

NON POTABLE WATER (CHEMISTRY) Effective Date 01 JUL 2018 Expiration Date 30 JUN 2023

<u>Analytes</u>	<u>Methods</u>
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 (WATER)	EPA 608.3

POTABLE WATER (CHEMISTRY) Effective Date 25 FEB 2022 Expiration Date 30 JUN 2023

<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
CADMIUM	EPA 200.9
CHROMIUM	EPA 200.7
CHROMIUM	EPA 200.8
CHROMIUM	EPA 200.9
COPPER	EPA 200.7
COPPER	EPA 200.8
COPPER	EPA 200.9
IRON	EPA 200.7
LEAD	EPA 200.8
LEAD	EPA 200.9
MANGANESE	EPA 200.7
MANGANESE	EPA 200.8
MERCURY	EPA 245.1
MERCURY	EPA 200.8
NICKEL	EPA 200.7
NICKEL	EPA 200.8
NICKEL	EPA 200.9
SELENIUM	EPA 200.8
SELENIUM	EPA 200.9

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: **01 JUL 2022**

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

POTABLE WATER (CHEMISTRY)	Effective Date	25 FEB 2022	Expiration Date	30 JUN 2023
<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
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: 01 JUL 2022

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

NON POTABLE WATER (MICROBIOLOGY) Effective Date 01 JUL 2018 Expiration Date 30 JUN 2023

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 01 JUL 2019 Expiration Date 30 JUN 2023

Analytes

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

Methods

SM9215B
ENZ. SUB. SM9223
ENZ. SUB. SM9223

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2022

M-MA153 MWRA CENTRAL LABORATORY
WINTHROP MA

POTABLE WATER (RADIOCHEMISTRY) Effective Date 01 JUL 2015 Expiration Date 30 JUN 2023

Analytes

URANIUM

Methods

EPA 200.8