

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 POTABLE WATER (MICROBIOLOGY)
POTABLE WATER (CHEMISTRY)
NON POTABLE WATER (CHEMISTRY)
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.

A handwritten signature in cursive script, reading "Oscar C. Jacobs".

Director, Division of Environmental Laboratory Sciences

Issued: 01 JUL 2020

Expires: 30 JUN 2021

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2020

M-MA153 MWRA CENTRAL LABORATORY
WINTHROP MA

NON POTABLE WATER (MICROBIOLOGY) Effective Date 01 JUL 2018 Expiration Date 30 JUN 2021

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 2021

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 2020**

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

NON POTABLE WATER (CHEMISTRY) Effective Date 01 JUL 2018 Expiration Date 30 JUN 2021

Analytes

Methods

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 10 JUL 2017 Expiration Date 30 JUN 2021

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
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

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2020

M-MA153 MWRA CENTRAL LABORATORY
WINTHROP MA

POTABLE WATER (CHEMISTRY)	Effective Date	10 JUL 2017	Expiration Date	30 JUN 2021
<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	
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 2020

M-MA153

MWRA CENTRAL LABORATORY
WINTHROP MA

POTABLE WATER (RADIOCHEMISTRY)

Effective
Date

01 JUL 2015

Expiration Date 30 JUN 2021

Analytes

URANIUM

Methods

EPA 200.8