

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. Jacobe".

Director, Division of Environmental Laboratory Sciences

Issued: 01 JUL 2019

Expires: 30 JUN 2020

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: 01 JUL 2019

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

NON POTABLE WATER (CHEMISTRY)	Effective Date	01 JUL 2018	Expiration Date	30 JUN 2020
<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
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WINTHROP MA**

NON POTABLE WATER (CHEMISTRY) Effective Date 01 JUL 2018 Expiration Date 30 JUN 2020

Analytes

Methods

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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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 2020

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 200.6
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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Certified Parameter List as of: 01 JUL 2019

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

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POTABLE WATER (RADIOCHEMISTRY)	Effective Date	01 JUL 2015	Expiration Date	30 JUN 2020
<u>Analytes</u>			<u>Methods</u>	
URANIUM			EPA 200.8	

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NON POTABLE WATER (MICROBIOLOGY) Effective Date 01 JUL 2018 Expiration Date 30 JUN 2020

Analytes

Methods

E. COLI	AMBIENT WATER	SM 9223B-COLILERT
ENTEROCOCCI	AMBIENT WATER	ENTEROLERT
FECAL COLIFORM	WASTEWATER	MF-SM9222D
E. COLI	WASTEWATER	SM 9223B-COLILERT
ENTEROCOCCI	WASTEWATER	ENTEROLERT

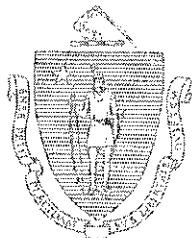
POTABLE WATER (MICROBIOLOGY) Effective Date 01 JUL 2019 Expiration Date 30 JUN 2020

Analytes

Methods

HETEROTROPHIC PLATE COUNT		SM9215B
TOTAL COLIFORM	WATER TREATMENT AND DISTRIBUTION (P/A)	ENZ. SUB. SM9223
E. COLI	WATER TREATMENT AND DISTRIBUTION (P/A)	ENZ. SUB. SM9223

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David C. Jacobs

Director, Division of Environmental Analysis

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