

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: Michael F. DELANEY, PH.D.

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



Director, Division of Environmental Analysis

Issued: 01 JUL 2014

Expires: 30 JUN 2015

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2014

M-MA153 MWRA CENTRAL LABORATORY
WINTHROP MA

NON POTABLE WATER (MICROBIOLOGY) Effective Date 01 JUL 2014 Expiration Date 30 JUN 2015

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

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Analytes

Methods

HETEROTROPHIC PLATE COUNT		SM9215B
TOTAL COLIFORM	WATER TREATMENT AND DISTRIBUTION (P/A)	ENZ. SUB. SM9223
FECAL COLIFORM	SOURCE WATER (ENUMERATION)	MF-SM9222D
E. COLI	WATER TREATMENT AND DISTRIBUTION (P/A)	ENZ. SUB. SM9223
E. COLI	SOURCE WATER (ENUMERATION)	SM 9223B-COLILERT
ENTEROCOCCI	SOURCE WATER (P/A)	ENTEROLERT

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WINTHROP MA**

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**Expiration 30 JUN 2015
Date**

Analytes

Methods

ALUMINUM	EPA 200.7
ALUMINUM	EPA 200.8
ANTIMONY	EPA 200.7
ANTIMONY	EPA 200.9
ANTIMONY	EPA 200.8
ANTIMONY	EPA 200.7
ARSENIC	EPA 200.7
ARSENIC	EPA 200.9
ARSENIC	EPA 200.8
ARSENIC	EPA 200.7
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
CHROMIUM	EPA 200.7
COBALT	EPA 200.8
COBALT	EPA 200.7
COPPER	EPA 200.9
COPPER	EPA 200.8
COPPER	EPA 200.7
IRON	EPA 200.7
LEAD	EPA 200.9
LEAD	EPA 200.8
LEAD	EPA 200.7
MANGANESE	EPA 200.8
MANGANESE	EPA 245.1
MERCURY	EPA 245.7
MERCURY	EPA 200.7
MOLYBDENUM	SM 3113 B
MOLYBDENUM	EPA 200.8
MOLYBDENUM	EPA 200.7
NICKEL	EPA 200.9
NICKEL	EPA 200.8
NICKEL	EPA 200.7
SELENIUM	EPA 200.9
SELENIUM	EPA 200.8
SELENIUM	EPA 200.9
SILVER	EPA 200.7
SILVER	EPA 200.8
SILVER	EPA 200.7
THALLIUM	EPA 200.9
THALLIUM	

June 26, 2014

* = Provisional Certification

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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
CYANIDE, TOTAL	EPA 335.4
CYANIDE, TOTAL	LACHAT 10-204-00-1-X
NON-FILTERABLE RESIDUE	SM 2540D
CHLORINE, TOTAL RESIDUAL	SM 4500-CL-G
OIL AND GREASE	EPA 1664
VOLATILE HALOCARBONS	EPA 624
VOLATILE AROMATICS	EPA 624
CHLORDANE	EPA 608
ALDRIN	EPA 608
ALPHA-BHC	EPA 608
BETA-BHC	EPA 608
GAMMA-BHC	EPA 608
DELTA-BHC	EPA 608
DIELDRIN	EPA 608
DDD	EPA 608
DDE	EPA 608
DDT	EPA 608

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

EPA 608
EPA 608
EPA 608
EPA 608
EPA 608
EPA 608
EPA 608
EPA 625
EPA 625
EPA 608

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Methods

ANTIMONY
ANTIMONY
ARSENIC
ARSENIC
BARIUM
BARIUM
BERYLLIUM
BERYLLIUM
CADMIUM
CADMIUM
CADMIUM
CHROMIUM
CHROMIUM
CHROMIUM
COPPER
COPPER
COPPER
LEAD
LEAD
MERCURY
MERCURY
NICKEL
NICKEL
NICKEL
SELENIUM
SELENIUM
SILVER
THALLIUM
THALLIUM

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 200.7
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 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
EPA 200.8
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NITRATE-N	EPA 353.2
NITRITE-N	EPA 353.2
FLUORIDE	SM 4500-F-C
SODIUM	EPA 200.7
SULFATE	EPA 300.0
CYANIDE, AVAILABLE	OIA-1677
CYANIDE, TOTAL	EPA 335.4
CYANIDE, TOTAL	LACHAT 10-204-00-1-X
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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SULFATE	EPA 300.0
CYANIDE, AVAILABLE	OIA-1677
CYANIDE, TOTAL	EPA 335.4
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CHLORINE, RESIDUAL FREE	SM 4500-CL-G
CALCIUM	EPA 200.7
ALKALINITY, TOTAL	SM 2320B
TOTAL DISSOLVED SOLIDS	SM 2540C
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TRIHALOMETHANES	EPA 524.2
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Analytes

URANIUM

Methods

EPA 200.8