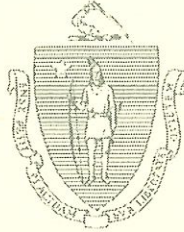


The Commonwealth of Massachusetts



Department of Environmental Protection

Division of Environmental Laboratory Sciences

Senator William X. Wall Experiment Station

certifies

M-CT008

MICROBAC LABORATORIES INC

61 LOUISA VIENS DR
DAYVILLE, CT 06241-0000

Laboratory Director: RONALD WARILA

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

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-CT008 MICROBAC LABORATORIES INC
DAYVILLE CT**

NON POTABLE WATER (MICROBIOLOGY) Effective Date 28 SEP 2017 Expiration Date 30 JUN 2020

Analytes

Methods

E. COLI	AMBIENT WATER	SM 9223B-COLILERT
ENTEROCOCCI	AMBIENT WATER	ENTEROLERT
ENTEROCOCCI	AMBIENT WATER	EPA 1600
FECAL COLIFORM	WASTEWATER	MF-SM9222D
E. COLI	WASTEWATER	SM 9223B-COLILERT
ENTEROCOCCI	WASTEWATER	ENTEROLERT
ENTEROCOCCI	WASTEWATER	EPA 1600

POTABLE WATER (MICROBIOLOGY) Effective Date 18 JAN 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
E. COLI	SOURCE WATER (ENUMERATION)	SM 9223B-COLILERT

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: **01 JUL 2019**

**M-CT008 MICROBAC LABORATORIES INC
DAYVILLE CT**

**NON POTABLE WATER (CHEMISTRY) Effective 22 JAN 2019 Expiration 30 JUN 2020
Date Date**

<u>Analytes</u>	<u>Methods</u>
ALUMINUM	EPA 200.7
ALUMINUM	EPA 200.8
ANTIMONY	EPA 200.7
ANTIMONY	EPA 200.8
ARSENIC	EPA 200.7
ARSENIC	EPA 200.8
BERYLLIUM	EPA 200.7
BERYLLIUM	EPA 200.8
CADMIUM	EPA 200.7
CADMIUM	EPA 200.8
CHROMIUM	EPA 200.7
CHROMIUM	EPA 200.8
COBALT	EPA 200.7
COBALT	EPA 200.8
COPPER	EPA 200.7
COPPER	EPA 200.8
IRON	EPA 200.7
LEAD	EPA 200.7
LEAD	EPA 200.8
MANGANESE	EPA 200.7
MANGANESE	EPA 200.8
MERCURY	EPA 245.2
MOLYBDENUM	EPA 200.7
MOLYBDENUM	EPA 200.8
NICKEL	EPA 200.7
NICKEL	EPA 200.8
SELENIUM	EPA 200.7
SELENIUM	EPA 200.8
SILVER	EPA 200.7
SILVER	EPA 200.8
THALLIUM	EPA 200.7
THALLIUM	EPA 200.8
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	EPA 200.7
CALCIUM	EPA 200.7
MAGNESIUM	EPA 200.7
SODIUM	EPA 200.7

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: **01 JUL 2019**

**M-CT008 MICROBAC LABORATORIES INC
DAYVILLE CT**

NON POTABLE WATER (CHEMISTRY) Effective Date 22 JAN 2019 Expiration Date 30 JUN 2020

Analytes

Methods

POTASSIUM	EPA 200.7
ALKALINITY, TOTAL	SM 2320B
CHLORIDE	SM 4500-CL-E
SULFATE	SM 4500-SO4-E
AMMONIA-N	EPA 350.1
NITRATE-N	SM 4500-NO3-F
KJELDAHL-N	EPA 351.1
ORTHOPHOSPHATE	EPA 365.1
PHOSPHORUS, TOTAL	EPA 365.1
CHEMICAL OXYGEN DEMAND	HACH METHOD 8000
BIOCHEMICAL OXYGEN DEMAND	SM 5210B
TOTAL ORGANIC CARBON	SM 5310C
CYANIDE, TOTAL	EPA 335.4
NON-FILTERABLE RESIDUE	SM 2540D
CHLORINE, TOTAL RESIDUAL	SM 4500-CL-G
OIL AND GREASE	EPA 1664
PHENOLICS, TOTAL	EPA 420.1
VOLATILE HALOCARBONS	EPA 624.1
VOLATILE AROMATICS	EPA 624.1
CHLORDANE	EPA 608.3
TOXAPHENE	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
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 20 JAN 2019 Expiration Date 30 JUN 2020

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: **01 JUL 2019**

**M-CT008 MICROBAC LABORATORIES INC
DAYVILLE CT**

**POTABLE WATER (CHEMISTRY) Effective 20 JAN 2019 Expiration 30 JUN 2020
Date Date**

Analytes

Methods

ALUMINUM	EPA 200.7
ALUMINUM	EPA 200.8
ANTIMONY	EPA 200.8
ARSENIC	EPA 200.8
BARIUM	EPA 200.7
BARIUM	EPA 200.8
BERYLLIUM	EPA 200.7
BERYLLIUM	EPA 200.8
CADMIUM	EPA 200.7
CADMIUM	EPA 200.8
CHROMIUM	EPA 200.7
CHROMIUM	EPA 200.8
COPPER	EPA 200.7
COPPER	EPA 200.8
IRON	EPA 200.7
LEAD	EPA 200.8
MANGANESE	EPA 200.7
MANGANESE	EPA 200.8
MERCURY	EPA 245.2
NICKEL	EPA 200.7
NICKEL	EPA 200.8
SELENIUM	EPA 200.8
SILVER	EPA 200.7
SILVER	EPA 200.8
THALLIUM	EPA 200.8
ZINC	EPA 200.7
ZINC	EPA 200.8
NITRATE-N	SM 4500-NO3-F
NITRITE-N	SM 4500-NO3-F
FLUORIDE	SM 4500-F-C
SODIUM	EPA 200.7
CHLORIDE	EPA 300.0
SULFATE	SM 4500-SO4-E
CYANIDE, TOTAL	SM 4500-CN-C,E
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
2,4-D	EPA 515.3
2,4,5-TP	EPA 515.3
DALAPON	EPA 515.3

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2019

M-CT008 MICROBAC LABORATORIES INC
DAYVILLE CT

POTABLE WATER (CHEMISTRY)

Effective Date 20 JAN 2019

Expiration Date 30 JUN 2020

Analytes

Methods

DINOSEB	EPA 515.3
PENTACHLOROPHENOL	EPA 515.3
PICLORAM	EPA 515.3
ALACHLOR	EPA 525.2
ALACHLOR	EPA 505
ATRAZINE	EPA 525.2
CHLORDANE	EPA 505
ENDRIN	EPA 525.2
ENDRIN	EPA 505
HEPTACHLOR	EPA 525.2
HEPTACHLOR	EPA 505
HEPTACHLOR EPOXIDE	EPA 525.2
HEPTACHLOR EPOXIDE	EPA 505
HEXACHLOROBENZENE	EPA 525.2
HEXACHLOROBENZENE	EPA 505
HEXACHLOROXYCLOPENTADIENE	EPA 525.2
HEXACHLOROXYCLOPENTADIENE	EPA 505
LINDANE	EPA 525.2
LINDANE	EPA 505
METHOXYCHLOR	EPA 525.2
METHOXYCHLOR	EPA 505
SIMAZINE	EPA 525.2
TOXAPHENE	EPA 505
ALDICARB	EPA 531.2
ALDICARB SULFONE	EPA 531.2
ALDICARB SULFOXIDE	EPA 531.2
CARBOFURAN	EPA 531.2
VYDATE	EPA 531.2
BENZO-A-PYRENE	EPA 525.2
ADIPATES/PHTHALATES	EPA 525.2
TRIHALOMETHANES	EPA 524.2
VOLATILE ORGANIC COMPOUNDS	EPA 524.2
1,2-DIBROMOETHANE	EPA 504.1
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1
HALOACETIC ACIDS	EPA 552.2
HALOACETIC ACIDS	EPA 552.3
1,4-DIOXANE	EPA 522
DIQUAT	EPA 549.2

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2019

M-CT008 MICROBAC LABORATORIES INC
DAYVILLE CT

POTABLE WATER (RADIOCHEMISTRY) Effective Date 01 JUL 2015 Expiration Date 30 JUN 2020

Analytes

URANIUM

Methods

EPA 200.8