

# *The Commonwealth of Massachusetts*



## *Department of Environmental Protection*

*Division of Environmental Analysis  
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*    **POTABLE WATER (MICROBIOLOGY)  
NON POTABLE WATER  
(MICROBIOLOGY)  
POTABLE WATER (RADIOCHEMISTRY)  
POTABLE WATER (CHEMISTRY)  
NON 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.*

A handwritten signature in black ink, appearing to read "Oscar C. Jacobo".

*Director, Division of Environmental Analysis*

*Issued:*    **01 JUL 2024**

*Expires:*    **30 JUN 2025**

COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 10 MAY 2024

M-CT008 MICROBAC LABORATORIES INC  
DAYVILLE CT

NON POTABLE WATER (MICROBIOLOGY)      Effective Date      28 SEP 2017      Expiration Date      30 JUN 2025

Analytes

E. COLI	AMBIENT WATER
ENTEROCOCCI	AMBIENT WATER
ENTEROCOCCI	AMBIENT WATER
FECAL COLIFORM	WASTEWATER
E. COLI	WASTEWATER
ENTEROCOCCI	WASTEWATER
ENTEROCOCCI	WASTEWATER

Methods

SM 9223B-COLILERT  
ENTEROLERT  
EPA 1600  
MF-SM9222D  
SM 9223B-COLILERT  
ENTEROLERT  
EPA 1600

POTABLE WATER (MICROBIOLOGY)      Effective Date      18 JAN 2019      Expiration Date      30 JUN 2025

Analytes

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

Methods

SM9215B  
ENZ. SUB. SM9223  
ENZ. SUB. SM9223  
SM 9223B-COLILERT

**COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**Certified Parameter List as of: 10 SEP 2024**

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

<b>NON POTABLE WATER (CHEMISTRY)</b>	<b>Effective Date</b>	<b>31 AUG 2022</b>	<b>Expiration Date</b>	<b>30 JUN 2025</b>
<u><b>Analytes</b></u>			<u><b>Methods</b></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 245.1	
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			SM 2340B	
CALCIUM			EPA 200.7	
MAGNESIUM			EPA 200.7	
SODIUM			EPA 200.7	

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DAYVILLE CT**

<b>NON POTABLE WATER (CHEMISTRY)</b>	<b>Effective Date</b>	<b>31 AUG 2022</b>	<b>Expiration Date</b>	<b>30 JUN 2025</b>
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**Analytes**

POTASSIUM  
ALKALINITY, TOTAL  
CHLORIDE  
SULFATE  
AMMONIA-N  
NITRATE-N  
KJELDAHL-N  
ORTHOPHOSPHATE  
PHOSPHORUS, TOTAL  
CHEMICAL OXYGEN DEMAND  
BIOCHEMICAL OXYGEN DEMAND  
TOTAL ORGANIC CARBON  
CYANIDE, TOTAL  
NON-FILTERABLE RESIDUE  
CHLORINE, TOTAL RESIDUAL  
OIL AND GREASE  
PHENOLICS, TOTAL  
VOLATILE HALOCARBONS  
VOLATILE AROMATICS  
CHLORDANE  
TOXAPHENE  
ALDRIN  
ALPHA-BHC  
BETA-BHC  
GAMMA-BHC  
DELTA-BHC  
DIELDRIN  
DDD  
DDE  
DDT  
ENDOSULFAN I  
ENDOSULFAN II  
ENDOSULFAN SULFATE  
ENDRIN  
ENDRIN ALDEHYDE  
HEPTACHLOR  
HEPTACHLOR EPOXIDE  
SVOC-ACID EXTRACTABLES  
SVOC-BASE/NEUTRAL EXTRACTABLES  
POLYCHLORINATED BIPHENYLS (WATEF

**Methods**

EPA 200.7  
SM 2320B  
SM 4500-CL-E  
SM 4500-SO4-E  
EPA 350.1  
SM 4500-NO3-F  
EPA 351.2  
EPA 365.1  
EPA 365.1  
HACH METHOD 8000  
SM 5210B  
SM 5310C  
EPA 335.4  
SM 2540D  
SM 4500-CL-G  
EPA 1664  
EPA 420.1  
EPA 624.1  
EPA 624.1  
EPA 608.3  
EPA 608.3  
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EPA 608.3  
EPA 608.3  
EPA 608.3  
EPA 625.1  
EPA 625.1  
EPA 608.3

<b>POTABLE WATER (CHEMISTRY)</b>	<b>Effective Date</b>	<b>10 SEP 2024</b>	<b>Expiration Date</b>	<b>30 JUN 2025</b>
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**COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**Certified Parameter List as of: 10 SEP 2024**

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

<b>POTABLE WATER (CHEMISTRY)</b>	<b>Effective Date</b>	<b>10 SEP 2024</b>	<b>Expiration Date</b>	<b>30 JUN 2025</b>
<u><b>Analytes</b></u>			<u><b>Methods</b></u>	
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 245.1	
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			EPA 335.4	
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	

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<u><b>Analytes</b></u>			<u><b>Methods</b></u>	
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 505	
HEPTACHLOR			EPA 525.2	
HEPTACHLOR			EPA 505	
HEPTACHLOR EPOXIDE			EPA 525.2	
HEPTACHLOR EPOXIDE			EPA 505	
HEXACHLOROBENZENE			EPA 525.2	
HEXACHLOROBENZENE			EPA 505	
HEXACHLOROCYCLOPENTADIENE			EPA 525.2	
HEXACHLOROCYCLOPENTADIENE			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	
1,4-DIOXANE			EPA 522	
DIQUAT			EPA 549.2	

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Certified Parameter List as of: 10 MAY 2024

M-CT008

MICROBAC LABORATORIES INC  
DAYVILLE CT

POTABLE WATER (RADIOCHEMISTRY)

Effective  
Date

01 JUL 2015

Expiration Date 30 JUN 2025

Analytes

URANIUM

Methods

EPA 200.8