

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2024
Issued April 01, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRIS LONG
MICROBAC LABORATORIES, INC - PITTSTON
428 ROUTE 315 HIGHWAY
PITTSTON, PA 18640

NY Lab Id No: 12150

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:*

Bacteriology

Coliform, Total / E. coli (Qualitative)	SM 20, 21-23 9223B (-04) (Colilert)
E. coli (Enumeration)	SM 20, 21-23 9223B (-04) (Colilert)
Heterotrophic Plate Count	SimPlate

Fuel Additives

Methyl tert-butyl ether	EPA 524.2
Naphthalene	EPA 524.2

Metals I

Barium, Total	EPA 200.7 Rev. 4.4
Cadmium, Total	EPA 200.7 Rev. 4.4
Chromium, Total	EPA 200.7 Rev. 4.4
Copper, Total	EPA 200.7 Rev. 4.4
Iron, Total	EPA 200.7 Rev. 4.4
Manganese, Total	EPA 200.7 Rev. 4.4
Zinc, Total	EPA 200.7 Rev. 4.4

Metals II

Aluminum, Total	EPA 200.7 Rev. 4.4
Molybdenum, Total	EPA 200.7 Rev. 4.4
Nickel, Total	EPA 200.7 Rev. 4.4
Vanadium, Total	EPA 200.7 Rev. 4.4

Metals III

Boron, Total	EPA 200.7 Rev. 4.4
Calcium, Total	EPA 200.7 Rev. 4.4
Magnesium, Total	EPA 200.7 Rev. 4.4
Potassium, Total	EPA 200.7 Rev. 4.4
Sodium, Total	EPA 200.7 Rev. 4.4

Serial No.: 67436

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Miscellaneous

Odor	SM 21-23 2150 B (-97)
Surfactant (MBAS)	SM 21-23 5540C (-00)
Turbidity	EPA 180.1 Rev. 2.0
UV 254	SM 21-23 5910B (-00,-11)

Non-Metals

Alkalinity	SM 21-23 2320B (-97)
Color	SM 21-23 2120B (-01)
Cyanide	EPA 335.4 Rev. 1.0
Nitrate (as N)	EPA 353.2 Rev. 2.0
Nitrite (as N)	EPA 353.2 Rev. 2.0
Orthophosphate (as P)	SM 19, 21-23 4500-P E (-99)
Silica, Total	SM 21-23 4500-SiO ₂ C (-97)
Solids, Total Dissolved	SM 21-23 2540C (-97)
Specific Conductance	SM 21-23 2510B (-97)

Trihalomethanes

Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2
Total Trihalomethanes	EPA 524.2

Volatile Aromatics

1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2

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Volatile Aromatics

1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Chlorotoluene	EPA 524.2
Benzene	EPA 524.2
Bromobenzene	EPA 524.2
Chlorobenzene	EPA 524.2
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
p-Isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2
1,1,2-Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethene	EPA 524.2
1,1-Dichloropropene	EPA 524.2
1,2,3-Trichloropropane	EPA 524.2

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Volatile Halocarbons

1,2-Dichloroethane	EPA 524.2
1,2-Dichloropropane	EPA 524.2
1,3-Dichloropropane	EPA 524.2
2,2-Dichloropropane	EPA 524.2
Bromochloromethane	EPA 524.2
Bromomethane	EPA 524.2
Carbon tetrachloride	EPA 524.2
Chloroethane	EPA 524.2
Chloromethane	EPA 524.2
cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Methylene chloride	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2



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Bacteriology

Coliform, Fecal	Colilert-18
Coliform, Total (Enumeration) in Pools	SM 9223B-2016
E. coli (Enumeration)	SM 9223B-2016
Heterotrophic Plate Count	SimPlate

Demand

Biochemical Oxygen Demand	SM 5210B-2016
Carbonaceous BOD	SM 5210B-2016
Chemical Oxygen Demand	Hach 8000 (1979)

Fuel Oxygenates

Methyl tert-butyl ether	EPA 624.1
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Metals I

Barium, Total	EPA 200.7, Rev. 4.4 (1994)
Cadmium, Total	EPA 200.7, Rev. 4.4 (1994)
Calcium, Total	EPA 200.7, Rev. 4.4 (1994)
Chromium, Total	EPA 200.7, Rev. 4.4 (1994)
Copper, Total	EPA 200.7, Rev. 4.4 (1994)
Iron, Total	EPA 200.7, Rev. 4.4 (1994)
Lead, Total	EPA 200.7, Rev. 4.4 (1994)
Magnesium, Total	EPA 200.7, Rev. 4.4 (1994)
Manganese, Total	EPA 200.7, Rev. 4.4 (1994)
Nickel, Total	EPA 200.7, Rev. 4.4 (1994)
Potassium, Total	EPA 200.7, Rev. 4.4 (1994)
Silver, Total	EPA 200.7, Rev. 4.4 (1994)
Sodium, Total	EPA 200.7, Rev. 4.4 (1994)

Metals II

Aluminum, Total	EPA 200.7, Rev. 4.4 (1994)
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Metals II

Antimony, Total	EPA 200.7, Rev. 4.4 (1994)
Arsenic, Total	EPA 200.7, Rev. 4.4 (1994)
Chromium VI	SM 3500-Cr B-2011
Selenium, Total	EPA 200.7, Rev. 4.4 (1994)
Vanadium, Total	EPA 200.7, Rev. 4.4 (1994)
Zinc, Total	EPA 200.7, Rev. 4.4 (1994)

Metals III

Cobalt, Total	EPA 200.7, Rev. 4.4 (1994)
Molybdenum, Total	EPA 200.7, Rev. 4.4 (1994)
Thallium, Total	EPA 200.7, Rev. 4.4 (1994)
Tin, Total	EPA 200.7, Rev. 4.4 (1994)
Titanium, Total	EPA 200.7, Rev. 4.4 (1994)

Mineral

Acidity	SM 2310B-2011
Alkalinity	SM 2320B-2011

Miscellaneous

Boron, Total	EPA 200.7, Rev. 4.4 (1994)
Color	SM 2120B-2011
Cyanide, Total	EPA 335.4, Rev. 1.0 (1993)
non-Polar Extractable Material (TPH)	EPA 1664A
Oil and Grease Total Recoverable	EPA 1664A
Phenols	EPA 420.4, Rev. 1.0 (1993)
Specific Conductance	SM 2510B-2011
Sulfide (as S)	SM 4500-S2- F-2011
Surfactant (MBAS)	SM 5540C-2011
Turbidity	EPA 180.1, Rev. 2.0 (1993)

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Nutrient

Ammonia (as N)	EPA 350.1, Rev. 2.0 (1993)
Kjeldahl Nitrogen, Total	EPA 351.2, Rev. 2.0 (1993)
Nitrate (as N)	EPA 353.2, Rev. 2.0 (1993)
Nitrate-Nitrite (as N)	EPA 353.2, Rev. 2.0 (1993)
Nitrite (as N)	EPA 353.2, Rev. 2.0 (1993)
Orthophosphate (as P)	EPA 365.3 (Issued 1978)
Phosphorus, Total	EPA 365.1, Rev. 2.0 (1993)

Residue

Settleable Solids	SM 2540 F-2015
Solids, Total	SM 2540 B-2015
Solids, Total Dissolved	SM 2540 C-2015
Solids, Total Suspended	SM 2540 D-2015
Solids, Volatile	EPA 160.4 (Issued 1971) SM 2540 E-2015

Volatile Aromatics

1,2-Dichlorobenzene	EPA 624.1
1,3-Dichlorobenzene	EPA 624.1
1,4-Dichlorobenzene	EPA 624.1
Benzene	EPA 624.1
Chlorobenzene	EPA 624.1
Ethyl benzene	EPA 624.1
m/p-Xylenes	EPA 624.1
Naphthalene, Volatile	EPA 624.1
o-Xylene	EPA 624.1
Styrene	EPA 624.1
Toluene	EPA 624.1



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Volatile Aromatics

Total Xylenes EPA 624.1

Volatile Halocarbons

1,1,1-Trichloroethane EPA 624.1

1,1,2,2-Tetrachloroethane EPA 624.1

1,1,2-Trichloroethane EPA 624.1

1,1-Dichloroethane EPA 624.1

1,1-Dichloroethene EPA 624.1

1,2-Dichloroethane EPA 624.1

1,2-Dichloropropane EPA 624.1

2-Chloroethylvinyl ether EPA 624.1

Bromodichloromethane EPA 624.1

Bromoform EPA 624.1

Bromomethane EPA 624.1

Carbon tetrachloride EPA 624.1

Chloroethane EPA 624.1

Chloroform EPA 624.1

Chloromethane EPA 624.1

cis-1,2-Dichloroethene EPA 624.1

cis-1,3-Dichloropropene EPA 624.1

Dibromochloromethane EPA 624.1

Methylene chloride EPA 624.1

Tetrachloroethene EPA 624.1

trans-1,2-Dichloroethene EPA 624.1

trans-1,3-Dichloropropene EPA 624.1

Trichloroethene EPA 624.1

Trichlorofluoromethane EPA 624.1

Vinyl chloride EPA 624.1



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Volatiles Organics

4-Methyl-2-Pentanone	EPA 624.1
Vinyl acetate	EPA 624.1



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