

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2024
Issued April 01, 2023
Revised April 25, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MR. ANTHONY D. CANTER
MICROBAC LABORATORIES, INC. - MARIETTA DIVISION
158 STARLITE DRIVE
MARIETTA, OH 45750

NY Lab Id No: 10861

*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:*

Dissolved Gases

Acetylene	RSK-175
Ethane	RSK-175
Ethene (Ethylene)	RSK-175
Methane	RSK-175
Propane	RSK-175

Metals I

Copper, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4
Lead, Total	EPA 200.8 Rev. 5.4

Metals III

Uranium (Mass)	EPA 200.8 Rev. 5.4
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Miscellaneous

Organic Carbon, Dissolved	SM 21-23 5310C (-00)
Organic Carbon, Total	SM 21-23 5310C (-00)

Perfluorinated Alkyl Acids

11CL-PF3OUDS	EPA 533
4:2FTS	EPA 533
6:2FTS	EPA 533
8:2FTS	EPA 533
9CL-PF3ONS	EPA 533
ADONA	EPA 533
Hexafluoropropylene Oxide Dimer Acid	EPA 533
Nonafluoro-3,6-Dioxaheptanoic Acid	EPA 533
Perfluorodecanoic Acid (PFDA)	EPA 533
Perfluoro-3-Methoxypropanoic Acid	EPA 533
Perfluoro-4-Methoxybutanoic Acid	EPA 533



Serial No.: 67787

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Perfluorinated Alkyl Acids

Perfluorobutanesulfonic Acid (PFBS)	EPA 533
Perfluorobutanoic Acid (PFBA)	EPA 533
Perfluorododecanoic Acid (PFDOA)	EPA 533
Perfluoroheptanesulfonic Acid (PFHPS)	EPA 533
Perfluoroheptanoic Acid (PFHPA)	EPA 533
Perfluorohexanesulfonic Acid (PFHXS)	EPA 533
Perfluorohexanoic Acid (PFHXA)	EPA 533
Perfluorononanoic Acid (PFNA)	EPA 533
Perfluorooctanesulfonic Acid (PFOS)	EPA 533
	EPA 537.1
Perfluorooctanoic Acid (PFOA)	EPA 533
	EPA 537.1
Perfluoropentanesulfonic Acid (PFPEs)	EPA 533
Perfluoropentanoic Acid (PFPEA)	EPA 533
Perfluoroundecanoic Acid (PFUNA)	EPA 533
PFEESA	EPA 533



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Acrylates

Acrolein (Propenal)	EPA 624.1
Acrylonitrile	EPA 8260D
	EPA 624.1
Ethyl methacrylate	EPA 8260D

Amines

1,2-Diphenylhydrazine	EPA 625.1
	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Carbazole	EPA 625.1
	EPA 8270D
Propionitrile	EPA 8260D
Pyridine	EPA 8270D

Benzidines

3,3'-Dichlorobenzidine	EPA 625.1
	EPA 8270D
Benzidine	EPA 625.1

Chlorinated Hydrocarbon Pesticides

4,4'-DDD	EPA 8081B
	EPA 608.3
4,4'-DDE	EPA 8081B
	EPA 608.3
4,4'-DDT	EPA 8081B
	EPA 608.3

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Chlorinated Hydrocarbon Pesticides

Aldrin	EPA 8081B EPA 608.3
alpha-BHC	EPA 8081B EPA 608.3
alpha-Chlordane	EPA 8081B EPA 608.3
beta-BHC	EPA 8081B EPA 608.3
Chlordane Total	EPA 8081B EPA 608.3
delta-BHC	EPA 8081B EPA 608.3
Dieldrin	EPA 8081B EPA 608.3
Endosulfan I	EPA 8081B EPA 608.3
Endosulfan II	EPA 8081B EPA 608.3
Endosulfan sulfate	EPA 8081B EPA 608.3
Endrin	EPA 8081B EPA 608.3
Endrin aldehyde	EPA 8081B EPA 608.3
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B EPA 608.3



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Chlorinated Hydrocarbon Pesticides

Heptachlor	EPA 8081B EPA 608.3
Heptachlor epoxide	EPA 8081B EPA 608.3
Lindane	EPA 8081B EPA 608.3
Methoxychlor	EPA 8081B EPA 608.3
Toxaphene	EPA 8081B EPA 608.3

Chlorinated Hydrocarbons

1,2,3-Trichlorobenzene	EPA 8260D
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 625.1 EPA 8270D
2-Chloronaphthalene	EPA 625.1 EPA 8270D
Hexachlorobenzene	EPA 625.1 EPA 8270D
Hexachlorobutadiene	EPA 625.1 EPA 8270D
Hexachlorocyclopentadiene	EPA 625.1 EPA 8270D
Hexachloroethane	EPA 625.1 EPA 8270D



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Chlorophenoxy Acid Pesticides

2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
2,4-DB	EPA 8151A
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Dichloroprop	EPA 8151A
Dinoseb	EPA 8151A
Pentachlorophenol	EPA 8151A

Demand

Biochemical Oxygen Demand	SM 5210B-2016
Chemical Oxygen Demand	Hach 8000 (1979) EPA 410.4, Rev. 2.0 (1993)

Fuel Oxygenates

Ethanol	EPA 8015D
Methyl tert-butyl ether	EPA 8260D EPA 624.1

Haloethers

2,2'-Oxybis(1-chloropropane)	EPA 625.1 EPA 8270D
4-Bromophenylphenyl ether	EPA 625.1 EPA 8270D
4-Chlorophenylphenyl ether	EPA 625.1 EPA 8270D
Bis(2-chloroethoxy)methane	EPA 625.1 EPA 8270D

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Haloethers

Bis(2-chloroethyl)ether EPA 625.1
EPA 8270D

Low Level Polynuclear Aromatics

Acenaphthene Low Level EPA 8270D SIM
Acenaphthylene Low Level EPA 8270D SIM
Anthracene Low Level EPA 8270D SIM
Benzo(a)anthracene Low Level EPA 8270D SIM
Benzo(a)pyrene Low Level EPA 8270D SIM
Benzo(b)fluoranthene Low Level EPA 8270D SIM
Benzo(g,h,i)perylene Low Level EPA 8270D SIM
Benzo(k)fluoranthene Low Level EPA 8270D SIM
Chrysene Low Level EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level EPA 8270D SIM
Fluoranthene Low Level EPA 8270D SIM
Fluorene Low Level EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level EPA 8270D SIM
Naphthalene Low Level EPA 8270D SIM
Phenanthrene Low Level EPA 8270D SIM
Pyrene Low Level EPA 8270D SIM

Metals I

Barium, Total EPA 200.7, Rev. 4.4 (1994)
EPA 6010C
EPA 6020A
EPA 200.8, Rev. 5.4 (1994)
Cadmium, Total EPA 200.7, Rev. 4.4 (1994)
EPA 6010C



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Metals I

Cadmium, Total	EPA 6020A EPA 200.8, Rev. 5.4 (1994)
Calcium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C
Chromium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A EPA 200.8, Rev. 5.4 (1994)
Copper, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A EPA 200.8, Rev. 5.4 (1994)
Iron, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C
Lead, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A EPA 200.8, Rev. 5.4 (1994)
Magnesium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C
Manganese, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A EPA 200.8, Rev. 5.4 (1994)
Nickel, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A

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Metals I

Nickel, Total	EPA 200.8, Rev. 5.4 (1994)
Potassium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C
Silver, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A
Sodium, Total	EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994) EPA 6010C

Metals II

Aluminum, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C
Antimony, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A
Arsenic, Total	EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A
Beryllium, Total	EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 200.8, Rev. 5.4 (1994)
Chromium VI	SM 3500-Cr B-2011
Mercury, Total	EPA 245.1, Rev. 3.0 (1994) EPA 7470A
Selenium, Total	EPA 200.7, Rev. 4.4 (1994)



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Metals II

Selenium, Total	EPA 6010C
	EPA 6020A
	EPA 200.8, Rev. 5.4 (1994)
Vanadium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
	EPA 6020A
Zinc, Total	EPA 200.8, Rev. 5.4 (1994)
	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
	EPA 6020A
	EPA 200.8, Rev. 5.4 (1994)
	EPA 200.7, Rev. 4.4 (1994)

Metals III

Cobalt, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
	EPA 6020A
Molybdenum, Total	EPA 200.8, Rev. 5.4 (1994)
	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
Thallium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
	EPA 6020A
Tin, Total	EPA 200.8, Rev. 5.4 (1994)
	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C

Mineral

Chloride	EPA 300.0, Rev. 2.1 (1993)
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Mineral

Chloride	SM 4500-Cl- E-2011
Fluoride, Total	EPA 300.0, Rev. 2.1 (1993) SM 4500-F- C-2011
Sulfate (as SO ₄)	EPA 300.0, Rev. 2.1 (1993)

Miscellaneous

Boron, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C
Bromide	EPA 300.0, Rev. 2.1 (1993) EPA 9056A
Cyanide, Total	EPA 9014 SM 4500-CN E-2016
non-Polar Extractable Material (TPH)	EPA 1664A
Oil and Grease Total Recoverable	EPA 1664A
Organic Carbon, Total	SM 5310C-2014
Phenols	EPA 420.1 (Rev. 1978)
Sulfide (as S)	SM 4500-S2- F-2011
Surfactant (MBAS)	SM 5540C-2011

Nitroaromatics and Isophorone

1,3,5-Trinitrobenzene	EPA 8330B
1,3-Dinitrobenzene	EPA 8270D
1,4-Naphthoquinone	EPA 8270D
2,4-Dinitrotoluene	EPA 625.1 EPA 8270D
2,6-Dinitrotoluene	EPA 625.1 EPA 8270D
4-Nitroquinoline-1-oxide	EPA 8270D

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Nitroaromatics and Isophorone

Isophorone	EPA 625.1 EPA 8270D
Nitrobenzene	EPA 625.1 EPA 8270D

Nitrosoamines

N-Nitrosodi-n-propylamine	EPA 625.1 EPA 8270D
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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 300.0, Rev. 2.1 (1993)
Orthophosphate (as P)	SM 4500-P E-2011
Phosphorus, Total	EPA 365.4 (Issued 1974)

Phthalate Esters

Benzyl butyl phthalate	EPA 625.1 EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 625.1 EPA 8270D
Diethyl phthalate	EPA 625.1 EPA 8270D
Dimethyl phthalate	EPA 625.1 EPA 8270D
Di-n-butyl phthalate	EPA 625.1 EPA 8270D
Di-n-octyl phthalate	EPA 625.1 EPA 8270D

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Polychlorinated Biphenyls

Aroclor 1016 (PCB-1016)	EPA 8082A EPA 608.3
Aroclor 1221 (PCB-1221)	EPA 8082A EPA 608.3
Aroclor 1232 (PCB-1232)	EPA 8082A EPA 608.3
Aroclor 1242 (PCB-1242)	EPA 8082A EPA 608.3
Aroclor 1248 (PCB-1248)	EPA 8082A EPA 608.3
Aroclor 1254 (PCB-1254)	EPA 8082A EPA 608.3
Aroclor 1260 (PCB-1260)	EPA 8082A EPA 608.3
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A

Polynuclear Aromatics

Acenaphthene	EPA 625.1 EPA 8270D
Acenaphthylene	EPA 625.1 EPA 8270D
Anthracene	EPA 625.1 EPA 8270D
Benzo(a)anthracene	EPA 625.1 EPA 8270D
Benzo(a)pyrene	EPA 625.1 EPA 8270D

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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. ANTHONY D. CANTER
MICROBAC LABORATORIES, INC. - MARIETTA DIVISION
158 STARLITE DRIVE
MARIETTA, OH 45750

NY Lab Id No: 10861

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

Polynuclear Aromatics

Benzo(b)fluoranthene	EPA 625.1
	EPA 8270D
Benzo(g,h,i)perylene	EPA 625.1
	EPA 8270D
Benzo(k)fluoranthene	EPA 625.1
	EPA 8270D
Chrysene	EPA 625.1
	EPA 8270D
Dibenzo(a,h)anthracene	EPA 625.1
	EPA 8270D
Fluoranthene	EPA 625.1
	EPA 8270D
Fluorene	EPA 625.1
	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 625.1
	EPA 8270D
Naphthalene	EPA 625.1
	EPA 8270D
Phenanthrene	EPA 625.1
	EPA 8270D
Pyrene	EPA 625.1
	EPA 8270D

Priority Pollutant Phenols

2,4,5-Trichlorophenol	EPA 625.1
	EPA 8270D
2,4,6-Trichlorophenol	EPA 625.1
	EPA 8270D

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Priority Pollutant Phenols

2,4-Dichlorophenol	EPA 625.1 EPA 8270D
2,4-Dimethylphenol	EPA 625.1 EPA 8270D
2,4-Dinitrophenol	EPA 625.1 EPA 8270D
2-Chlorophenol	EPA 625.1 EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 625.1 EPA 8270D
2-Methylphenol	EPA 625.1 EPA 8270D
2-Nitrophenol	EPA 625.1 EPA 8270D
3-Methylphenol	EPA 625.1 EPA 8270D
4-Chloro-3-methylphenol	EPA 625.1 EPA 8270D
4-Methylphenol	EPA 625.1 EPA 8270D
4-Nitrophenol	EPA 625.1 EPA 8270D
Pentachlorophenol	EPA 625.1 EPA 8270D
Phenol	EPA 625.1 EPA 8270D



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Residue

Solids, Total Dissolved SM 2540 C-2015

Semi-Volatile Organics

1,2-Dichlorobenzene, Semi-volatile EPA 8270D
1,3-Dichlorobenzene, Semi-volatile EPA 8270D
1,4-Dichlorobenzene, Semi-volatile EPA 8270D
2-Picoline EPA 8270D
Acetophenone EPA 8270D
Benzyl alcohol EPA 8270D
Dibenzofuran EPA 8270D

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile EPA 8260D
1,2,4-Trimethylbenzene EPA 8260D
1,2-Dichlorobenzene EPA 8260D
EPA 624.1
1,3,5-Trimethylbenzene EPA 8260D
1,3-Dichlorobenzene EPA 8260D
EPA 624.1
1,4-Dichlorobenzene EPA 8260D
EPA 624.1
2-Chlorotoluene EPA 8260D
4-Chlorotoluene EPA 8260D
Benzene EPA 8260D
EPA 624.1
Bromobenzene EPA 8260D
Chlorobenzene EPA 8260D
EPA 624.1



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Volatile Aromatics

Ethyl benzene	EPA 8260D EPA 624.1
Isopropylbenzene	EPA 8260D
m/p-Xylenes	EPA 8260D EPA 624.1
Naphthalene, Volatile	EPA 8260D EPA 624.1
n-Butylbenzene	EPA 8260D
n-Propylbenzene	EPA 8260D
o-Xylene	EPA 8260D EPA 624.1
p-Isopropyltoluene (P-Cymene)	EPA 8260D
sec-Butylbenzene	EPA 8260D
Styrene	EPA 8260D EPA 624.1
tert-Butylbenzene	EPA 8260D
Toluene	EPA 8260D EPA 624.1
Total Xylenes	EPA 8260D EPA 624.1

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260D
1,1,1-Trichloroethane	EPA 8260D EPA 624.1
1,1,2,2-Tetrachloroethane	EPA 8260D EPA 624.1
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260D

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Volatile Halocarbons

1,1,2-Trichloroethane	EPA 8260D EPA 624.1
1,1-Dichloroethane	EPA 8260D EPA 624.1
1,1-Dichloroethene	EPA 8260D EPA 624.1
1,1-Dichloropropene	EPA 8260D
1,2-Dibromoethane	EPA 8260D
1,2-Dichloroethane	EPA 8260D EPA 624.1
1,2-Dichloropropane	EPA 8260D EPA 624.1
1,3-Dichloropropane	EPA 8260D
2,2-Dichloropropane	EPA 8260D
2-Chloroethylvinyl ether	EPA 8260D EPA 624.1
Bromochloromethane	EPA 8260D
Bromodichloromethane	EPA 8260D EPA 624.1
Bromoform	EPA 8260D EPA 624.1
Bromomethane	EPA 8260D EPA 624.1
Carbon tetrachloride	EPA 8260D EPA 624.1
Chloroethane	EPA 8260D EPA 624.1



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Volatile Halocarbons

Chloroform	EPA 8260D EPA 624.1
Chloromethane	EPA 8260D EPA 624.1
cis-1,2-Dichloroethene	EPA 8260D EPA 624.1
cis-1,3-Dichloropropene	EPA 8260D EPA 624.1
Dibromochloromethane	EPA 8260D EPA 624.1
Dibromomethane	EPA 8260D
Dichlorodifluoromethane	EPA 8260D EPA 624.1
Hexachlorobutadiene, Volatile	EPA 8260D
Methylene chloride	EPA 8260D EPA 624.1
Tetrachloroethene	EPA 8260D EPA 624.1
trans-1,2-Dichloroethene	EPA 8260D EPA 624.1
trans-1,3-Dichloropropene	EPA 8260D EPA 624.1
Trichloroethene	EPA 8260D EPA 624.1
Trichlorofluoromethane	EPA 8260D EPA 624.1
Vinyl chloride	EPA 8260D



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Volatile Halocarbons

Vinyl chloride EPA 624.1

Volatiles Organics

1,4-Dioxane EPA 8270D

2-Butanone (Methylethyl ketone) EPA 8260D

2-Hexanone EPA 8260D

4-Methyl-2-Pentanone EPA 8260D

EPA 624.1

Acetone EPA 8260D

EPA 624.1

Acetonitrile EPA 8260D

EPA 624.1

Carbon Disulfide EPA 8260D

Cyclohexane EPA 8260D

Ethylene Glycol EPA 8015D

EPA 8015C

Methanol EPA 8015D

Propylene Glycol EPA 8015D

EPA 8015C

Vinyl acetate EPA 8260D

EPA 624.1

Sample Preparation Methods

EPA 5030C

SM 4500-CN B-2016 and C-2016

EPA 3015A

EPA 3510C

EPA 3520C

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Acrylates

Acrolein (Propenal)	EPA 8260D
Acrylonitrile	EPA 8260D

Amines

1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Diphenylamine	EPA 8270D

Benzidines

3,3'-Dichlorobenzidine	EPA 8270D
Benzidine	EPA 8270D

Characteristic Testing

Corrosivity (pH)	EPA 9040C
	EPA 9045D
Free Liquids	EPA 9095B
Ignitability	EPA 1030
	EPA 1010A
TCLP	EPA 1311

Chlorinated Hydrocarbon Pesticides

4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B

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Chlorinated Hydrocarbon Pesticides

alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
Atrazine	EPA 8270D
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
Chlorobenzilate	EPA 8270D
delta-BHC	EPA 8081B
Diallate	EPA 8270D
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Isodrin	EPA 8270D
Kepone	EPA 8270D
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Pentachloronitrobenzene	EPA 8270D
Toxaphene	EPA 8081B

Chlorinated Hydrocarbons

1,2,3-Trichlorobenzene	EPA 8260D
1,2,4-Trichlorobenzene	EPA 8270D

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Chlorinated Hydrocarbons

2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D

Haloethers

2,2'-Oxybis(1-chloropropane)	EPA 8270D
4-Bromophenylphenyl ether	EPA 8270D
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D

Metals I

Barium, Total	EPA 6010C EPA 6020A
Cadmium, Total	EPA 6010C EPA 6020A
Calcium, Total	EPA 6010C
Chromium, Total	EPA 6010C EPA 6020A
Copper, Total	EPA 6010C EPA 6020A
Iron, Total	EPA 6010C
Lead, Total	EPA 6010C EPA 6020A
Magnesium, Total	EPA 6010C
Manganese, Total	EPA 6010C



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Metals I

Manganese, Total	EPA 6020A
Nickel, Total	EPA 6010C
	EPA 6020A
Potassium, Total	EPA 6010C
Silver, Total	EPA 6010C
	EPA 6020A
Sodium, Total	EPA 6010C

Metals II

Aluminum, Total	EPA 6010C
Antimony, Total	EPA 6010C
	EPA 6020A
Arsenic, Total	EPA 6010C
	EPA 6020A
Beryllium, Total	EPA 6010C
Chromium VI	EPA 7196A
Mercury, Total	EPA 7471B
Selenium, Total	EPA 6010C
	EPA 6020A
Vanadium, Total	EPA 6010C
	EPA 6020A
Zinc, Total	EPA 6010C
	EPA 6020A

Metals III

Cobalt, Total	EPA 6010C
	EPA 6020A
Molybdenum, Total	EPA 6010C

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Metals III

Thallium, Total	EPA 6010C
	EPA 6020A
Tin, Total	EPA 6010C

Minerals

Bromide	EPA 9056A
Chloride	EPA 9056A
Fluoride, Total	EPA 9056A
Sulfate (as SO ₄)	EPA 9056A

Miscellaneous

Boron, Total	EPA 6010C
Cyanide, Total	EPA 9014

Nitroaromatics and Isophorone

2,4-Dinitrotoluene	EPA 8270D
2,6-Dinitrotoluene	EPA 8270D
Isophorone	EPA 8270D
Nitrobenzene	EPA 8270D
Pyridine	EPA 8270D

Nitrosoamines

N-Nitrosodi-n-propylamine	EPA 8270D
N-nitrosomethylethylamine	EPA 8270D

Nutrients

Nitrate (as N)	EPA 9056A
Nitrite (as N)	EPA 9056A

Petroleum Hydrocarbons

Oil and Grease Total Recoverable	EPA 9071B (Solvent:Hexane)
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Phthalate Esters

Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D

Polychlorinated Biphenyls

Aroclor 1016 (PCB-1016)	EPA 8082A
Aroclor 1221 (PCB-1221)	EPA 8082A
Aroclor 1232 (PCB-1232)	EPA 8082A
Aroclor 1242 (PCB-1242)	EPA 8082A
Aroclor 1248 (PCB-1248)	EPA 8082A
Aroclor 1254 (PCB-1254)	EPA 8082A
Aroclor 1260 (PCB-1260)	EPA 8082A
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A

Polynuclear Aromatic Hydrocarbons

Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(g,h,i)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D

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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. ANTHONY D. CANTER
MICROBAC LABORATORIES, INC. - MARIETTA DIVISION
158 STARLITE DRIVE
MARIETTA, OH 45750

NY Lab Id No: 10861

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

Polynuclear Aromatic Hydrocarbons

Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D

Priority Pollutant Phenols

2,3,4,6 Tetrachlorophenol	EPA 8270D
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D
2,4-Dinitrophenol	EPA 8270D
2-Chlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Pentachlorophenol	EPA 8270D
Phenol	EPA 8270D

Semi-Volatile Organics

1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
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Semi-Volatile Organics

1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Benzyl alcohol	EPA 8270D
Dibenzofuran	EPA 8270D
O,O,O-Triethyl phosphorothioate	EPA 8270D

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260D
1,2,4-Trimethylbenzene	EPA 8260D
1,2-Dichlorobenzene	EPA 8260D
1,3,5-Trimethylbenzene	EPA 8260D
1,3-Dichlorobenzene	EPA 8260D
1,4-Dichlorobenzene	EPA 8260D
2-Chlorotoluene	EPA 8260D
4-Chlorotoluene	EPA 8260D
Benzene	EPA 8260D
Bromobenzene	EPA 8260D
Chlorobenzene	EPA 8260D
Ethyl benzene	EPA 8260D
Isopropylbenzene	EPA 8260D
m/p-Xylenes	EPA 8260D
Naphthalene, Volatile	EPA 8260D
n-Butylbenzene	EPA 8260D
n-Propylbenzene	EPA 8260D
o-Xylene	EPA 8260D
p-Isopropyltoluene (P-Cymene)	EPA 8260D
sec-Butylbenzene	EPA 8260D



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Volatile Aromatics

Styrene	EPA 8260D
tert-Butylbenzene	EPA 8260D
Toluene	EPA 8260D
Total Xylenes	EPA 8260D

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260D
1,1,1-Trichloroethane	EPA 8260D
1,1,2,2-Tetrachloroethane	EPA 8260D
1,1,2-Trichloroethane	EPA 8260D
1,1-Dichloroethane	EPA 8260D
1,1-Dichloroethene	EPA 8260D
1,1-Dichloropropene	EPA 8260D
1,2,3-Trichloropropane	EPA 8260D
1,2-Dibromo-3-chloropropane	EPA 8260D
1,2-Dibromoethane	EPA 8260D
1,2-Dichloroethane	EPA 8260D
1,2-Dichloropropane	EPA 8260D
1,3-Dichloropropane	EPA 8260D
2,2-Dichloropropane	EPA 8260D
2-Chloro-1,3-butadiene (Chloroprene)	EPA 8260D
2-Chloroethylvinyl ether	EPA 8260D
Bromochloromethane	EPA 8260D
Bromodichloromethane	EPA 8260D
Bromoform	EPA 8260D
Bromomethane	EPA 8260D
Carbon tetrachloride	EPA 8260D
Chloroform	EPA 8260D

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Volatile Halocarbons

Chloromethane	EPA 8260D
cis-1,2-Dichloroethene	EPA 8260D
cis-1,3-Dichloropropene	EPA 8260D
Dibromochloromethane	EPA 8260D
Dibromomethane	EPA 8260D
Dichlorodifluoromethane	EPA 8260D
Hexachlorobutadiene, Volatile	EPA 8260D
Methylene chloride	EPA 8260D
Tetrachloroethene	EPA 8260D
trans-1,2-Dichloroethene	EPA 8260D
trans-1,3-Dichloropropene	EPA 8260D
Trichloroethene	EPA 8260D
Trichlorofluoromethane	EPA 8260D
Vinyl chloride	EPA 8260D

Volatile Organics

2-Butanone (Methylethyl ketone)	EPA 8260D
2-Hexanone	EPA 8260D
4-Methyl-2-Pentanone	EPA 8260D
Acetone	EPA 8260D
Carbon Disulfide	EPA 8260D
Cyclohexane	EPA 8260D
Di-ethyl ether	EPA 8260D
Ethylene Glycol	EPA 8015D
Methyl tert-butyl ether	EPA 8260D
Propionitrile	EPA 8260D



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Sample Preparation Methods

EPA 5035A-L
EPA 5035A-H
EPA 3580A
EPA 9030B
EPA 3005A
EPA 3550C
EPA 3546
EPA 3545A
EPA 3051A
EPA 9010C



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