

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2019
Issued April 01, 2018
Revised July 03, 2018

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MS. LESLIE S. BUCINA
MICROBAC LABORATORIES, INC., OHIO VALLEY 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 (2003) 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 III

Uranium (Mass)	EPA 200.8 Rev. 5.4
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NEW
YORK
STATE

Department
of Health

Serial No.: 58469

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Acrylates		Chlorinated Hydrocarbon Pesticides	
Acrolein (Propenal)	EPA 8260C	4,4'-DDT	EPA 8081B
	EPA 624.1		EPA 608.3
Acrylonitrile	EPA 8260C	Aldrin	EPA 8081B
	EPA 624.1		EPA 608.3
Ethyl methacrylate	EPA 8260C	alpha-BHC	EPA 8081B
Methyl acrylonitrile	EPA 8260C		EPA 608.3
Methyl methacrylate	EPA 8260C	alpha-Chlordane	EPA 8081B
		beta-BHC	EPA 8081B
			EPA 608.3
Amines		Chlordane Total	EPA 8081B
2-Nitroaniline	EPA 8270D		EPA 608.3
3-Nitroaniline	EPA 8270D	delta-BHC	EPA 8081B
4-Chloroaniline	EPA 8270D		EPA 608.3
4-Nitroaniline	EPA 8270D	Dieldrin	EPA 8081B
Aniline	EPA 8270D		EPA 608.3
Carbazole	EPA 8270D	Endosulfan I	EPA 8081B
Pyridine	EPA 8270D		EPA 608.3
Benzidines		Endosulfan II	EPA 8081B
3,3'-Dichlorobenzidine	EPA 625.1		EPA 608.3
	EPA 8270D	Endosulfan sulfate	EPA 8081B
Benzidine	EPA 625.1		EPA 608.3
Chlorinated Hydrocarbon Pesticides		Endrin	EPA 8081B
4,4'-DDD	EPA 8081B		EPA 608.3
	EPA 608.3	Endrin aldehyde	EPA 8081B
4,4'-DDE	EPA 8081B		EPA 608.3
	EPA 608.3	Endrin Ketone	EPA 8081B

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Chlorinated Hydrocarbon Pesticides

gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
	EPA 608.3
Heptachlor epoxide	EPA 8081B
	EPA 608.3
Lindane	EPA 8081B
	EPA 608.3
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B
	EPA 608.3

Chlorinated Hydrocarbons

1,2,3-Trichlorobenzene	EPA 8260C
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

Chlorophenoxy Acid Pesticides

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

Demand

Biochemical Oxygen Demand	SM 5210B-2011
Carbonaceous BOD	SM 5210B-2011
Chemical Oxygen Demand	Hach 8000 (1979)
	EPA 410.4, Rev. 2.0 (1993)

Dissolved Gases

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

Fuel Oxygenates

Ethanol	EPA 8015D
Methyl tert-butyl ether	EPA 8260C
tert-butyl alcohol	EPA 8260C

Haloethers

2,2'-Oxybis(1-chloropropane)	EPA 625.1
	EPA 8270D

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Haloethers

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

Low Level Halocarbons

1,2-Dibromo-3-chloropropane, Low Level	EPA 8011
1,2-Dibromoethane, Low Level	EPA 8011

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

Low Level Polynuclear Aromatics

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 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)



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Metals I		Metals II	
Lead, Total	EPA 6010C EPA 6020A EPA 200.8, Rev. 5.4 (1994)	Antimony, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A
Magnesium, Total	EPA 200.7, Rev. 4.4 (1994)	Arsenic, Total	EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994)
Manganese, Total	EPA 6010C EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A EPA 200.8, Rev. 5.4 (1994)	Beryllium, Total	EPA 6010C EPA 6020A EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994)
Nickel, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A EPA 200.8, Rev. 5.4 (1994)	Chromium VI	SM 3500-Cr B-2011
Potassium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C	Mercury, Total	EPA 245.1, Rev. 3.0 (1994) EPA 7470A
Silver, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A EPA 200.8, Rev. 5.4 (1994)	Selenium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A EPA 200.8, Rev. 5.4 (1994)
Sodium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C	Vanadium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A
Strontium, Total	EPA 6010C	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)
Metals II			
Aluminum, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C		

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Metals III		Miscellaneous	
Cobalt, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A EPA 200.8, Rev. 5.4 (1994)	Boron, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C
Molybdenum, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C	Bromide	EPA 300.0, Rev. 2.1 (1993)
Thallium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C EPA 6020A EPA 200.8, Rev. 5.4 (1994)	Color	SM 2120B-2011
Tin, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C	Cyanide, Total	SM 4500-CN E-2011
Titanium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010C	Oil and Grease Total Recoverable (HEM)	EPA 1664A
Mineral		Organic Carbon, Total	SM 5310C-2011
Acidity	SM 2310B-2011	Phenols	EPA 420.1 (Rev. 1978)
Alkalinity	EPA 310.2 (Rev. 1974) SM 2320B-2011	Silica, Dissolved	EPA 200.7, Rev. 4.4 (1994)
Chloride	EPA 300.0, Rev. 2.1 (1993) SM 4500-Cl- E-2011	Specific Conductance	EPA 120.1 (Rev. 1982)
Fluoride, Total	EPA 300.0, Rev. 2.1 (1993) SM 4500-F C-2011	Sulfide (as S)	SM 4500-S2- F-2011
Hardness, Total	SM 2340C-2011 SM 2340B-2011	Surfactant (MBAS)	SM 5540C-2011
Sulfate (as SO4)	EPA 300.0, Rev. 2.1 (1993)	Total Recoverable Petroleum Hydrocarbon	EPA 1664A
		Nitroaromatics and Isophorone	
		1,3,5-Trinitrobenzene	EPA 8330B
		1,3-Dinitrobenzene	EPA 8330B
		2,4,6-Trinitrotoluene	EPA 8330B
		2,4-Dinitrotoluene	EPA 625.1 EPA 8270D EPA 8330B
		2,6-Dinitrotoluene	EPA 625.1 EPA 8270D EPA 8330B
		2-Amino-4,6-dinitrotoluene	EPA 8330B
		2-Nitrotoluene	EPA 8330B

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Nitroaromatics and Isophorone

3-Nitrotoluene	EPA 8330B
4-Amino-2,6-dinitrotoluene	EPA 8330B
4-Nitrotoluene	EPA 8330B
Hexahydro-1,3,5-trinitro-1,3,5-triazine	EPA 8330B
Isophorone	EPA 625.1
	EPA 8270D
Methyl-2,4,6-trinitrophenylnitramine	EPA 8330B
Nitrobenzene	EPA 625.1
	EPA 8270D
	EPA 8330B
Octahydro-tetranitro-tetrazocine	EPA 8330B

Nitrosoamines

N-Nitrosodiethylamine	EPA 8270D
N-Nitrosodimethylamine	EPA 625.1
	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 625.1
	EPA 8270D
N-Nitrosodiphenylamine	EPA 625.1
	EPA 8270D

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)
	EPA 300.0, Rev. 2.1 (1993)
Nitrite (as N)	EPA 300.0, Rev. 2.1 (1993)

Nutrient

Nitrite (as N)	SM 4500-NO2 B-2011
Orthophosphate (as P)	SM 4500-P E-2011
Phosphorus, Total	EPA 365.4 (Issued 1974)

Petroleum Hydrocarbons

Diesel Range Organics	EPA 8015D
Gasoline Range Organics	EPA 8015D

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

Polychlorinated Biphenyls

PCB-1016	EPA 8082A
	EPA 608.3
PCB-1221	EPA 8082A
	EPA 608.3

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Polychlorinated Biphenyls

PCB-1232	EPA 8082A
	EPA 608.3
PCB-1242	EPA 8082A
	EPA 608.3
PCB-1248	EPA 8082A
	EPA 608.3
PCB-1254	EPA 8082A
	EPA 608.3
PCB-1260	EPA 8082A
	EPA 608.3
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A

Polynuclear Aromatics

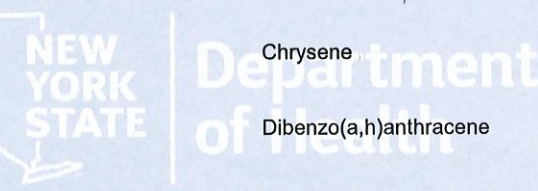
Acenaphthene	EPA 625.1
	EPA 8270D
Acenaphthylene	EPA 625.1
	EPA 8270D
Anthracene	EPA 625.1
	EPA 8270D
Benzo(a)anthracene	EPA 625.1
	EPA 8270D
Benzo(a)pyrene	EPA 625.1
	EPA 8270D
Benzo(b)fluoranthene	EPA 625.1
	EPA 8270D

Polynuclear Aromatics

Benzo(ghi)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 8270D
2,4,6-Trichlorophenol	EPA 625.1
	EPA 8270D
2,4-Dichlorophenol	EPA 625.1



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Priority Pollutant Phenols

2,4-Dichlorophenol	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 8270D
2-Nitrophenol	EPA 625.1
	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 625.1
	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 625.1
	EPA 8270D
Cresols, Total	EPA 8270D
Pentachlorophenol	EPA 625.1
	EPA 8270D
Phenol	EPA 625.1
	EPA 8270D

Residue

Solids, Total	SM 2540 B-2011
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Residue

Solids, Total Dissolved	SM 2540 C-2011
Solids, Total Suspended	SM 2540 D-2011
Solids, Volatile	EPA 160.4 (Issued 1971)

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-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D
Dibenzofuran	EPA 8270D

Volatile Aromatics

1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C
	EPA 624.1
1,3,5-Trimethylbenzene	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C
	EPA 624.1
1,4-Dichlorobenzene	EPA 8260C
	EPA 624.1
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 8260C
	EPA 624.1



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Volatile Aromatics

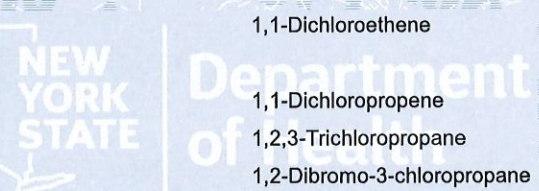
Bromobenzene	EPA 8260C
Chlorobenzene	EPA 8260C EPA 624.1
Ethyl benzene	EPA 8260C EPA 624.1
Isopropylbenzene	EPA 8260C
m/p-Xylenes	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
o-Xylene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C
tert-Butylbenzene	EPA 8260C
Toluene	EPA 8260C EPA 624.1
Total Xylenes	EPA 8260C EPA 624.1

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 8260C EPA 624.1
1,1,2,2-Tetrachloroethane	EPA 8260C EPA 624.1
1,1,2-Trichloroethane	EPA 8260C

Volatile Halocarbons

1,1,2-Trichloroethane	EPA 624.1
1,1-Dichloroethane	EPA 8260C EPA 624.1
1,1-Dichloroethene	EPA 8260C EPA 624.1
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
1,2-Dibromoethane	EPA 8260C
1,2-Dichloroethane	EPA 8260C EPA 624.1
1,2-Dichloropropane	EPA 8260C EPA 624.1
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloro-1,3-butadiene (Chloroprene)	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260C EPA 624.1
3-Chloropropene (Allyl chloride)	EPA 8260C
Bromochloromethane	EPA 8260C
Bromodichloromethane	EPA 8260C EPA 624.1
Bromoform	EPA 8260C EPA 624.1
Bromomethane	EPA 8260C EPA 624.1



Serial No.: 58470

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**NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER**



Expires 12:01 AM April 01, 2019
Issued April 01, 2018
Revised July 03, 2018

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MS. LESLIE S. BUCINA
MICROBAC LABORATORIES, INC., OHIO VALLEY 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 (2003) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Volatile Halocarbons

Carbon tetrachloride	EPA 8260C EPA 624.1
Chloroethane	EPA 8260C EPA 624.1
Chloroform	EPA 8260C EPA 624.1
Chloromethane	EPA 8260C EPA 624.1
cis-1,2-Dichloroethene	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260C EPA 624.1
Dibromochloromethane	EPA 8260C EPA 624.1
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260C
Methyl iodide	EPA 8260C
Methylene chloride	EPA 8260C EPA 624.1
Tetrachloroethene	EPA 8260C EPA 624.1
trans-1,2-Dichloroethene	EPA 8260C EPA 624.1
trans-1,3-Dichloropropene	EPA 8260C EPA 624.1
Trichloroethene	EPA 8260C

Volatile Halocarbons

Trichloroethene	EPA 624.1
Trichlorofluoromethane	EPA 8260C EPA 624.1
Vinyl chloride	EPA 8260C EPA 624.1

Volatiles Organics

1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
2-Nitropropane	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Acetonitrile	EPA 8260C
Carbon Disulfide	EPA 8260C
Di-ethyl ether	EPA 8260C
Ethyl Acetate	EPA 8260C
Isobutyl alcohol	EPA 8260C
n-Butanol	EPA 8260C
Vinyl acetate	EPA 8260C

Sample Preparation Methods

EPA 5030C
SM 4500-CN B-2011 and C-201
EPA 3015A
EPA 3510C
EPA 3520C

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**NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER**



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Issued April 01, 2018

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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MS. LESLIE S. BUCINA
MICROBAC LABORATORIES, INC., OHIO VALLEY DIVISION
158 STARLITE DRIVE
MARIETTA, OH 45750

NY Lab Id No: 10861

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National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Acrylates		Characteristic Testing	
Acrolein (Propenal)	EPA 8260C	Synthetic Precipitation Leaching Proc.	EPA 1312
Acrylonitrile	EPA 8260C	TCLP	EPA 1311
Ethyl methacrylate	EPA 8260C		
Methyl acrylonitrile	EPA 8260C		
Methyl methacrylate	EPA 8260C		
Amines		Chlorinated Hydrocarbon Pesticides	
1,2-Diphenylhydrazine	EPA 8270D	4,4'-DDD	EPA 8081B
1,4-Phenylenediamine	EPA 8270D	4,4'-DDE	EPA 8081B
2-Nitroaniline	EPA 8270D	4,4'-DDT	EPA 8081B
3-Nitroaniline	EPA 8270D	Aldrin	EPA 8081B
4-Chloroaniline	EPA 8270D	alpha-BHC	EPA 8081B
4-Nitroaniline	EPA 8270D	alpha-Chlordane	EPA 8081B
Aniline	EPA 8270D	beta-BHC	EPA 8081B
Carbazole	EPA 8270D	Chlordane Total	EPA 8081B
Diphenylamine	EPA 8270D	delta-BHC	EPA 8081B
Methapyrilene	EPA 8270D	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
		Lindane	EPA 8081B
		Methoxychlor	EPA 8081B
Benzidines			
3,3'-Dichlorobenzidine	EPA 8270D		
Characteristic Testing			
Corrosivity	EPA 9040C		
	EPA 9045D		
Free Liquids	EPA 9095B		
Ignitability	EPA 1030		
	EPA 1010A		

Serial No.: 57587

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WADSWORTH CENTER**



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158 STARLITE DRIVE
MARIETTA, OH 45750

NY Lab Id No: 10861

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Chlorinated Hydrocarbon Pesticides

Toxaphene EPA 8081B

Chlorinated Hydrocarbons

1,2,3-Trichlorobenzene EPA 8260C
1,2,4,5-Tetrachlorobenzene EPA 8270D
1,2,4-Trichlorobenzene EPA 8270D
2-Chloronaphthalene EPA 8270D
Hexachlorobenzene EPA 8270D
Hexachlorobutadiene EPA 8270D
Hexachlorocyclopentadiene EPA 8270D
Hexachloroethane EPA 8270D
Hexachlorophene EPA 8270D
Hexachloropropene EPA 8270D
Pentachlorobenzene EPA 8270D

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
MCPA EPA 8151A
MCPP EPA 8151A
Pentachlorophenol EPA 8151A

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

Low Level Polynuclear Aromatic Hydrocarbons

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 6010C
EPA 6020A

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Issued April 01, 2018

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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**MS. LESLIE S. BUCINA
MICROBAC LABORATORIES, INC., OHIO VALLEY DIVISION
158 STARLITE DRIVE
MARIETTA, OH 45750**

NY Lab Id No: 10861

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National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Metals I		Metals II	
Cadmium, Total	EPA 6010C	Arsenic, Total	EPA 6020A
	EPA 6020A	Beryllium, Total	EPA 6010C
Calcium, Total	EPA 6010C	Chromium VI	EPA 7196A
Chromium, Total	EPA 6010C	Lithium, Total	EPA 6010C
	EPA 6020A	Mercury, Total	EPA 7471B
Copper, Total	EPA 6010C	Selenium, Total	EPA 6010C
	EPA 6020A		EPA 6020A
Iron, Total	EPA 6010C	Vanadium, Total	EPA 6010C
Lead, Total	EPA 6010C		EPA 6020A
	EPA 6020A	Zinc, Total	EPA 6010C
Magnesium, Total	EPA 6010C		EPA 6020A
Manganese, Total	EPA 6010C		
	EPA 6020A	Metals III	
Nickel, Total	EPA 6010C	Cobalt, Total	EPA 6010C
	EPA 6020A		EPA 6020A
Potassium, Total	EPA 6010C	Molybdenum, Total	EPA 6010C
Silver, Total	EPA 6010C	Thallium, Total	EPA 6010C
	EPA 6020A		EPA 6020A
Sodium, Total	EPA 6010C	Tin, Total	EPA 6010C
Strontium, Total	EPA 6010C	Titanium, Total	EPA 6010C
		Minerals	
Metals II		Bromide	EPA 9056A
Aluminum, Total	EPA 6010C	Chloride	EPA 9056A
Antimony, Total	EPA 6010C	Fluoride, Total	EPA 9056A
	EPA 6020A	Sulfate (as SO ₄)	EPA 9056A
Arsenic, Total	EPA 6010C		

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Miscellaneous

Boron, Total EPA 6010C
Cyanide, Total EPA 9014

Nitroaromatics and Isophorone

1,3,5-Trinitrobenzene EPA 8330B
1,3-Dinitrobenzene EPA 8330B
2,4,6-Trinitrotoluene EPA 8330B
2,4-Dinitrotoluene EPA 8270D
EPA 8330B
2,6-Dinitrotoluene EPA 8270D
EPA 8330B
2-Amino-4,6-dinitrotoluene EPA 8330B
2-Nitrotoluene EPA 8330B
3-Nitrotoluene EPA 8330B
4-Amino-2,6-dinitrotoluene EPA 8330B
4-Nitrotoluene EPA 8330B
Hexahydro-1,3,5-trinitro-1,3,5-triazine EPA 8330B
Isophorone EPA 8270D
Methyl-2,4,6-trinitrophenylnitramine EPA 8330B
Nitrobenzene EPA 8270D
EPA 8330B
Octahydro-tetranitro-tetrazocine EPA 8330B
Pyridine EPA 8270D

Nitrosoamines

N-Nitrosodiethylamine EPA 8270D
N-Nitrosodimethylamine EPA 8270D

Nitrosoamines

N-Nitrosodi-n-butylamine EPA 8270D
N-Nitrosodi-n-propylamine EPA 8270D
N-Nitrosodiphenylamine EPA 8270D
N-nitrosomethylethylamine EPA 8270D
N-nitrosomorpholine EPA 8270D
N-nitrosopiperidine EPA 8270D
N-Nitrosopyrrolidine EPA 8270D

Nutrients

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

Petroleum Hydrocarbons

Diesel Range Organics EPA 8015D
Gasoline Range Organics EPA 8015D
Oil and Grease Total Recoverable (HEM) EPA 9071B (Solvent:Hexane)

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

PCB-1016 EPA 8082A
PCB-1221 EPA 8082A

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MICROBAC LABORATORIES, INC., OHIO VALLEY DIVISION
158 STARLITE DRIVE
MARIETTA, OH 45750

NY Lab Id No: 10861

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Polychlorinated Biphenyls

PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
PCB-1254	EPA 8082A
PCB-1260	EPA 8082A
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A
PCBs in Oil	EPA 8082A

Polynuclear Aromatic Hydrocarbons

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
2,6-Dichlorophenol	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

Polynuclear Aromatic Hydrocarbons

3-Methylcholanthrene	EPA 8270D
7,12-Dimethylbenzyl (a) anthracene	EPA 8270D
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(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D

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-Methylnaphthalene	EPA 8270D

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MS. LESLIE S. BUCINA
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158 STARLITE DRIVE
MARIETTA, OH 45750

NY Lab Id No: 10861

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Semi-Volatile Organics

4-Amino biphenyl	EPA 8270D
Acetophenone	EPA 8270D
Aramite	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D
Dibenzofuran	EPA 8270D
Methyl methanesulfonate	EPA 8270D
O,O,O-Triethyl phosphorothioate	EPA 8270D
Phenacetin	EPA 8270D
Safrole	EPA 8270D

Volatile Aromatics

n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
o-Xylene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C
tert-Butylbenzene	EPA 8260C
Toluene	EPA 8260C
Total Xylenes	EPA 8260C

Volatile Aromatics

1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C
1,4-Dichlorobenzene	EPA 8260C
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 8260C
Bromobenzene	EPA 8260C
Chlorobenzene	EPA 8260C
Ethyl benzene	EPA 8260C
Isopropylbenzene	EPA 8260C
m/p-Xylenes	EPA 8260C
Naphthalene, Volatile	EPA 8260C

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 8260C
1,1-Dichloroethane	EPA 8260C
1,1-Dichloroethene	EPA 8260C
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
1,2-Dibromoethane	EPA 8260C
1,2-Dichloroethane	EPA 8260C
1,2-Dichloropropane	EPA 8260C
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloro-1,3-butadiene (Chloroprene)	EPA 8260C

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**MS. LESLIE S. BUCINA
MICROBAC LABORATORIES, INC., OHIO VALLEY DIVISION
158 STARLITE DRIVE
MARIETTA, OH 45750**

NY Lab Id No: 10861

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Volatile Halocarbons

2-Chloroethylvinyl ether	EPA 8260C
3-Chloropropene (Allyl chloride)	EPA 8260C
Bromochloromethane	EPA 8260C
Bromodichloromethane	EPA 8260C
Bromoform	EPA 8260C
Bromomethane	EPA 8260C
Carbon tetrachloride	EPA 8260C
Chloroethane	EPA 8260C
Chloroform	EPA 8260C
Chloromethane	EPA 8260C
cis-1,2-Dichloroethene	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260C
Dibromochloromethane	EPA 8260C
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260C
Methyl iodide	EPA 8260C
Methylene chloride	EPA 8260C
Tetrachloroethene	EPA 8260C
trans-1,2-Dichloroethene	EPA 8260C
trans-1,3-Dichloropropene	EPA 8260C
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 8260C
Trichlorofluoromethane	EPA 8260C
Vinyl chloride	EPA 8260C

Volatile Organics

1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
2-Nitropropane	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Acetonitrile	EPA 8260C
Carbon Disulfide	EPA 8260C
Di-ethyl ether	EPA 8260C
Ethyl Acetate	EPA 8260C
Isobutyl alcohol	EPA 8260C
Methyl tert-butyl ether	EPA 8260C
n-Butanol	EPA 8260C
Propionitrile	EPA 8260C
tert-butyl alcohol	EPA 8260C
Vinyl acetate	EPA 8260C

Sample Preparation Methods

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

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Expires 12:01 AM April 01, 2019
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CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MS. LESLIE S. BUCINA
MICROBAC LABORATORIES, INC., OHIO VALLEY 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 (2003) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Sample Preparation Methods

EPA 9010C



Serial No.: 57587

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

