

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2020  
Issued April 01, 2019  
Revised April 12, 2019

**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. - 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 (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 II**

Beryllium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4

**Metals III**

Uranium (Mass)	EPA 200.8 Rev. 5.4
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**Perfluorinated Alkyl Acids**

Perfluorooctanesulfonic acid (PFOS)	EPA 537
Perfluorooctanoic acid (PFOA)	EPA 537

NEW  
YORK  
STATE

Department  
of Health

Serial No.: 60157

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158 STARLITE DRIVE  
MARIETTA, OH 45750

NY Lab Id No: 10861

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ENVIRONMENTAL ANALYSES POTABLE WATER  
All approved subcategories and/or analytes are listed below:*

**Bacteriology**

Total Microcystins

EPA Method 546



Department  
of Health

Serial No.: 59451

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# Department of Health

ANDREW M. CUOMO  
Governor

HOWARD A. ZUCKER, M.D., J.D.  
Commissioner

SALLY DRESLIN, M.S., R.N.  
Executive Deputy Commissioner

LAB ID: 10861

June 03, 2019

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

Certificate Expiration Date:  
April 01, 2020

Dear Ms. Bucina,

Enclosed are revised certificate(s) of approval issued to your environmental laboratory for the current permit year. The certificate(s) supersede(s) any previously issued one(s) and are in effect through the expiration date listed. Please carefully examine the certificate(s) to insure that the categories, subcategories, analytes, and methods for which your laboratory is approved are correct. In addition, verify that your laboratory's name, address, lead technical director, and identification number are accurate.

Pursuant to NYCRR Subpart 55-2.2, original certificates must be posted conspicuously in the laboratory and copies shall be made available to any client of the laboratory upon request.

Pursuant to NYCRR Subpart 55-2.6, any misrepresentation of the fields of accreditation (category - method - analyte) for which your laboratory is approved may result in denial, suspension, or revocation of your certification. Any use of the Environmental Laboratory Approval Program (ELAP) or National Environmental Laboratory Accreditation Program (NELAP) name, reference to the laboratory's approval status, and/or using the NELAP logo in any catalogs, advertising, business solicitations, proposals, quotations, laboratory analytical reports, or other materials must include the laboratory's ELAP identification number and distinguish between testing for which the laboratory is approved and testing for which the laboratory is not approved.

If the changes to your certificate are due to insufficient proficiency tests and/or proficiency test failures, the expired certificates (listed below) must be returned to the ELAP office within 10 days of the date of this letter. In addition, your laboratory must investigate and document the root cause for any insufficient and/or unsatisfactory proficiency tests.

If you have any questions, please contact ELAP at the New York State Department of Health (NYS DOH), Wadsworth Center, PO Box 509, Albany NY, 12201-0509; by phone at (518) 485-5570; by facsimile at (518) 485-5568; and by email at [elap@health.ny.gov](mailto:elap@health.ny.gov).

Sincerely,

Victoria Pretti  
Director and QA Officer  
Environmental Laboratory Approval Program



# Department of Health

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Executive Deputy Commissioner

LAB ID: 10861

June 03, 2019

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

Dear Ms. Bucina,

A revised certificate has been generated because of the change(s) listed below.

If your laboratory has applied for a change in the laboratory's location and/or technical director, the approved change(s) will be reflected on the certificate.

If the changes to your certification are due to insufficient proficiency tests and/or proficiency test failures, the expired certificates must be returned to the Environmental Laboratory Approval Program (ELAP) office within 10 days of the date of this letter. In addition, your laboratory must investigate the root cause for any insufficient and/or unsatisfactory proficiency tests.

**In addition, your laboratory must investigate and document the root cause for any insufficient and/or unsatisfactory proficiency tests. If your lab lost accreditation due to two PT failures, you must submit the corrective action response to ELAP for review before accreditation will be re-instated.**

AppCat	Analyte Name	Method Name	Comments	Date
NW - NELAC	cis-1,2-Dichloroethene	EPA 624.1	Raised to Approved	05/31/2019

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**Acrylates**

Acrolein (Propenal)	EPA 8260C
	EPA 624.1
Acrylonitrile	EPA 8260C
	EPA 624.1
Ethyl methacrylate	EPA 8260C
Methyl acrylonitrile	EPA 8260C
Methyl methacrylate	EPA 8260C

**Amines**

1,2-Diphenylhydrazine	EPA 625.1
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 625.1
	EPA 8270D
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

**Chlorinated Hydrocarbon Pesticides**

4,4'-DDE	EPA 8081B
	EPA 608.3
4,4'-DDT	EPA 8081B
	EPA 608.3
Aldrin	EPA 8081B
	EPA 608.3
alpha-BHC	EPA 8081B
	EPA 608.3
alpha-Chlordane	EPA 8081B
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

**Serial No.: 60290**

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All approved analytes are listed below:*

**Chlorinated Hydrocarbon Pesticides**

Endrin aldehyde	EPA 608.3
Endrin Ketone	EPA 8081B
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
	EPA 608.3
Mirex	EPA 608.3
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

**Chlorinated Hydrocarbons**

Hexachlorocyclopentadiene	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**

Di-isopropyl ether	EPA 8260C
Ethanol	EPA 8015D

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**Fuel Oxygenates**

Methyl tert-butyl ether	EPA 8260C
	EPA 624.1
tert-amyl methyl ether (TAME)	EPA 8260C
tert-butyl alcohol	EPA 8260C
tert-butyl ethyl ether (ETBE)	EPA 8260D

**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
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

**Low Level Polynuclear Aromatics**

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
	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

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

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<b>Metals II</b>		<b>Mineral</b>	
Selenium, Total	EPA 200.8, Rev. 5.4 (1994)	Acidity	SM 2310B-2011
Vanadium, Total	EPA 200.7, Rev. 4.4 (1994)	Alkalinity	EPA 310.2 (Rev. 1974)
	EPA 6010C		SM 2320B-2011
	EPA 6020A	Chloride	EPA 300.0, Rev. 2.1 (1993)
	EPA 200.8, Rev. 5.4 (1994)		SM 4500-Cl- E-2011
Zinc, Total	EPA 200.7, Rev. 4.4 (1994)	Fluoride, Total	EPA 300.0, Rev. 2.1 (1993)
	EPA 6010C		SM 4500-F C-2011
	EPA 6020A	Hardness, Total	SM 2340C-2011
	EPA 200.8, Rev. 5.4 (1994)		SM 2340B-2011
		Sulfate (as SO <sub>4</sub> )	EPA 300.0, Rev. 2.1 (1993)
<b>Metals III</b>		<b>Miscellaneous</b>	
Cobalt, Total	EPA 200.7, Rev. 4.4 (1994)	Boron, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C		EPA 6010C
	EPA 6020A	Bromide	EPA 300.0, Rev. 2.1 (1993)
	EPA 200.8, Rev. 5.4 (1994)	Color	SM 2120B-2011
Molybdenum, Total	EPA 200.7, Rev. 4.4 (1994)	Cyanide, Total	SM 4500-CN E-2011
	EPA 6010C	non-Polar Extractable Material (TPH)	EPA 1664A
Thallium, Total	EPA 200.7, Rev. 4.4 (1994)	Oil and Grease Total Recoverable (HEM)	EPA 1664A
	EPA 6010C	Organic Carbon, Total	SM 5310C-2011
	EPA 6020A	Phenols	EPA 420.1 (Rev. 1978)
	EPA 200.8, Rev. 5.4 (1994)	Silica, Dissolved	EPA 200.7, Rev. 4.4 (1994)
Tin, Total	EPA 200.7, Rev. 4.4 (1994)	Specific Conductance	EPA 120.1 (Rev. 1982)
	EPA 6010C	Sulfide (as S)	SM 4500-S2- F-2011
Titanium, Total	EPA 200.7, Rev. 4.4 (1994)	Surfactant (MBAS)	SM 5540C-2011
	EPA 6010C		

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**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
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
Nitroglycerine	EPA 8330B
Octahydro-tetranitro-tetrazocine	EPA 8330B
Pentaerythritol tetranitrate	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)
	SM 4500-NO2 B-2011
Orthophosphate (as P)	SM 4500-P E-2011
Phosphorus, Total	EPA 365.4 (Issued 1974)

**Organophosphate Pesticides**

Atrazine	EPA 8270D
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**Petroleum Hydrocarbons**

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

**Phthalate Esters**

Benzyl butyl phthalate	EPA 625.1
	EPA 8270D

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All approved analytes are listed below:*

**Phthalate Esters**

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**

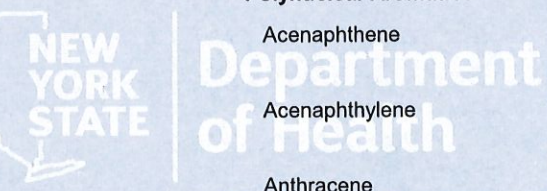
Aroclor 1016 (PCB-1016)	EPA 8082A EPA 608.3
Aroclor 1221 (PCB-1221)	EPA 8082A EPA 608.3
Aroclor 1232 (PCB-1232)	EPA 8082A EPA 608.3
Aroclor 1242 (PCB-1242)	EPA 8082A EPA 608.3
Aroclor 1248 (PCB-1248)	EPA 8082A EPA 608.3
Aroclor 1254 (PCB-1254)	EPA 8082A EPA 608.3
Aroclor 1260 (PCB-1260)	EPA 8082A EPA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

**Polychlorinated Biphenyls**

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
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



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WADSWORTH CENTER**



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Revised June 03, 2019

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

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**MS. LESLIE S. BUCINA**  
**MICROBAC LABORATORIES, INC. - MARIETTA 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 NON POTABLE WATER  
All approved analytes are listed below:*

**Polynuclear Aromatics**

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 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

**Priority Pollutant Phenols**

2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 625.1
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 625.1
4-Methylphenol	EPA 625.1 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
Solids, Total Dissolved	SM 2540 C-2011
Solids, Total Suspended	SM 2540 D-2011
Solids, Volatile	EPA 160.4 (Issued 1971) SM 2540 E-2011

**Semi-Volatile Organics**

1,1'-Biphenyl	EPA 8270D
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
Acetophenone	EPA 8270D
Benzaldehyde	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
Bromobenzene	EPA 8260C
Chlorobenzene	EPA 8260C EPA 624.1
Ethyl benzene	EPA 8260C

**Volatile Aromatics**

Ethyl benzene	EPA 624.1
Isopropylbenzene	EPA 8260C
m/p-Xylenes	EPA 8260C
	EPA 624.1
Naphthalene, Volatile	EPA 624.1
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
o-Xylene	EPA 8260C
	EPA 624.1
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C
	EPA 624.1
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-Trichloro-1,2,2-Trifluoroethane	EPA 8260C

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**Volatile Halocarbons**

1,1,2-Trichloroethane	EPA 8260C 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

**Volatile Halocarbons**

Bromomethane	EPA 624.1
Carbon tetrachloride	EPA 8260C
Chloroethane	EPA 624.1 EPA 8260C
Chloroform	EPA 624.1 EPA 8260C
Chloromethane	EPA 8260C EPA 624.1
cis-1,2-Dichloroethene	EPA 8260C EPA 624.1
cis-1,3-Dichloropropene	EPA 8260C EPA 624.1
Dibromochloromethane	EPA 8260C EPA 624.1
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C EPA 624.1
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



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**Volatile Halocarbons**

trans-1,3-Dichloropropene	EPA 8260C EPA 624.1
Trichloroethene	EPA 8260C EPA 624.1
Trichlorofluoromethane	EPA 8260C EPA 624.1
Vinyl chloride	EPA 8260C EPA 624.1

**Volatiles Organics**

n-Butanol	EPA 8260C
Tetrahydrofuran	EPA 8260C EPA 624.1
Vinyl acetate	EPA 8260C EPA 624.1

**Volatiles Organics**

1,4-Dioxane	EPA 8260C EPA 8270D
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
2-Nitropropane	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C EPA 624.1
Acetone	EPA 8260C EPA 624.1
Acetonitrile	EPA 8260C EPA 624.1
Carbon Disulfide	EPA 8260C
Di-ethyl ether	EPA 8260C
Ethyl Acetate	EPA 8260C
Isobutyl alcohol	EPA 8260C
Methyl 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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**Acrylates**

Acrolein (Propenal)	EPA 8260C
Acrylonitrile	EPA 8260C
Ethyl methacrylate	EPA 8260C
Methyl acrylonitrile	EPA 8260C
Methyl methacrylate	EPA 8260C

**Amines**

1,2-Diphenylhydrazine	EPA 8270D
1,4-Phenylenediamine	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
Methapyrilene	EPA 8270D

**Benzidines**

3,3'-Dichlorobenzidine	EPA 8270D
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**Characteristic Testing**

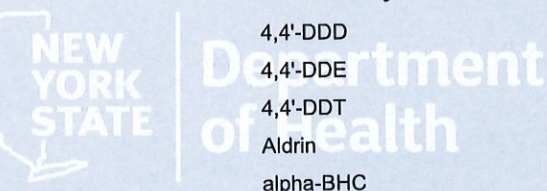
Corrosivity	EPA 9040C
	EPA 9045D
Free Liquids	EPA 9095B
Ignitability	EPA 1030
	EPA 1010A

**Characteristic Testing**

Synthetic Precipitation Leaching Proc.	EPA 1312
TCLP	EPA 1311

**Chlorinated Hydrocarbon Pesticides**

4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
Atrazine	EPA 8270D
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
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
Lindane	EPA 8081B



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**Chlorinated Hydrocarbon Pesticides**

Methoxychlor	EPA 8081B
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

**Chlorophenoxy Acid Pesticides**

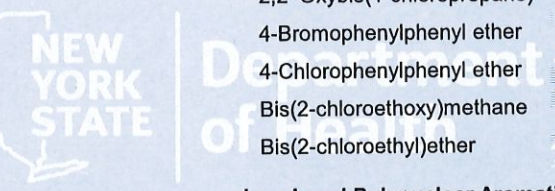
Pentachlorophenol	EPA 8151A
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**Haloethers**

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



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

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<b>Minerals</b>		<b>Nitroaromatics and Isophorone</b>	
Sulfate (as SO <sub>4</sub> )	EPA 9056A	Pyridine	EPA 8270D
<b>Miscellaneous</b>		<b>Nitrosoamines</b>	
Boron, Total	EPA 6010C	N-Nitrosodiethylamine	EPA 8270D
Cyanide, Total	EPA 9014	N-Nitrosodimethylamine	EPA 8270D
<b>Nitroaromatics and Isophorone</b>		N-Nitrosodi-n-butylamine	EPA 8270D
1,3,5-Trinitrobenzene	EPA 8330B	N-Nitrosodi-n-propylamine	EPA 8270D
1,3-Dinitrobenzene	EPA 8330B	N-Nitrosodiphenylamine	EPA 8270D
2,4,6-Trinitrotoluene	EPA 8330B	N-nitrosomethylethylamine	EPA 8270D
2,4-Dinitrotoluene	EPA 8270D	N-nitrosomorpholine	EPA 8270D
	EPA 8330B	N-nitrosopiperidine	EPA 8270D
2,6-Dinitrotoluene	EPA 8270D	N-Nitrosopyrrolidine	EPA 8270D
	EPA 8330B	<b>Nutrients</b>	
2-Amino-4,6-dinitrotoluene	EPA 8330B	Nitrate (as N)	EPA 9056A
2-Nitrotoluene	EPA 8330B	Nitrite (as N)	EPA 9056A
3-Nitrotoluene	EPA 8330B	<b>Petroleum Hydrocarbons</b>	
4-Amino-2,6-dinitrotoluene	EPA 8330B	Diesel Range Organics	EPA 8015D
4-Nitrotoluene	EPA 8330B	Gasoline Range Organics	EPA 8015D
Hexahydro-1,3,5-trinitro-1,3,5-triazine	EPA 8330B	Oil and Grease Total Recoverable (HEM)	EPA 9071B (Solvent:Hexane)
Isophorone	EPA 8270D	<b>Phthalate Esters</b>	
Methyl-2,4,6-trinitrophenylnitramine	EPA 8330B	Benzyl butyl phthalate	EPA 8270D
Nitrobenzene	EPA 8270D	Bis(2-ethylhexyl) phthalate	EPA 8270D
	EPA 8330B	Diethyl phthalate	EPA 8270D
Nitroglycerine	EPA 8330B	Dimethyl phthalate	EPA 8270D
Octahydro-tetranitro-tetrazocine	EPA 8330B	Di-n-butyl phthalate	EPA 8270D
Pentaerythritol tetranitrate	EPA 8330B		

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**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 (2003) for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved analytes are listed below:*

**Phthalate Esters**

Di-n-octyl phthalate EPA 8270D

**Polychlorinated Biphenyls**

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

**Polynuclear Aromatic Hydrocarbons**

3-Methylcholanthrene EPA 8270D  
7,12-Dimethylbenzyl (a) anthracene EPA 8270D  
Acenaphthene EPA 8270D  
Acenaphthylene EPA 8270D

**Polynuclear Aromatic Hydrocarbons**

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  
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  
2,6-Dichlorophenol EPA 8270D  
2-Chlorophenol EPA 8270D  
2-Methyl-4,6-dinitrophenol EPA 8270D  
2-Methylphenol EPA 8270D

**Serial No.: 60159**

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NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2020  
Issued April 01, 2019  
Revised April 12, 2019

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**Priority Pollutant Phenols**

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**

1,1'-Biphenyl	EPA 8270D
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
4-Amino biphenyl	EPA 8270D
Acetophenone	EPA 8270D
Aramite	EPA 8270D
Benzaldehyde	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**

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
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 Halocarbons**

1,1,1,2-Tetrachloroethane	EPA 8260C
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**Volatile Halocarbons**

1,1,1-Trichloroethane	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	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
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

**Volatile Halocarbons**

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
	EPA 8270D
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
Cyclohexane	EPA 8260C

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**Volatile Organics**

Di-ethyl ether	EPA 8260C
Ethyl Acetate	EPA 8260C
Isobutyl alcohol	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	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 3580A  
EPA 9030B  
EPA 3005A  
EPA 3550C  
EPA 3546  
EPA 3545A  
EPA 3051A  
EPA 9010C

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