



# State of Kansas

Department of Health and Environment

## CERTIFICATE

*This is to certify that Certification No.: E-10290*

Microbac Laboratories, Inc-Ohio Valley Division

158 Starlite Drive  
Marietta, OH 45750

*has been accredited in accordance with K.S.A. 65-1,109a under the standards adopted in K.A.R. 28-15-36 for performing environmental analyses for the parameters listed on the most current scope of accreditation. Continuous accreditation depends on successful, ongoing participation in the program. Clients are urged to verify with this agency the laboratory's certification status for particular methods and analytes.*

Effective Date: 11/1/2017

Expiration Date: 10/31/2018

A handwritten signature in black ink that reads "Susan K. Mosier".

Secretary  
Department of Health and Environment

A handwritten signature in blue ink, appearing to be "M. Myer".

Section Chief  
Department of Health and Environment



The Kansas Department of Health and Environment encourages all clients and data users to verify the most current scope of accreditation for certification number E-10290

The analytes tested and the corresponding matrix and method which a laboratory is authorized to perform at any given time will be those indicated in the most recently issued scope of accreditation. The most recent scope of accreditation supersedes all previously issued scopes of accreditation. It is the certified laboratory's responsibility to review this document for any discrepancies. This scope of accreditation will be recalled in the event that your laboratory's certification is revoked.

**Accreditation Start: 2/13/2018 Accreditation End: 10/31/2018**

**EPA Number: OH00218**

**Scope of Accreditation for Certification Number: E-10290**

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Microbac Laboratories, Inc - Ohio Valley Division

**Primary AB**

**Program/Matrix: CWA (Non Potable Water)**

**Method EPA 120.1**

Conductivity

FL

**Method EPA 160.4**

Residue-volatile

FL

**Method EPA 1664A**

Oil & Grease

FL

**Method EPA 180.1**

Turbidity

FL

**Method EPA 200.7**

Aluminum

FL

Antimony

FL

Arsenic

FL

Barium

FL

Beryllium

FL

Boron

FL

Cadmium

FL

Calcium

FL

Chromium

FL

Cobalt

FL

Copper

FL

Hardness

FL

Iron

FL

Lead

FL

Magnesium

FL

Manganese

FL

Molybdenum

FL

Nickel

FL

Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix:** CWA (Non Potable Water)

Potassium	FL
Selenium	FL
Silica-dissolved	FL
Silver	FL
Sodium	FL
Thallium	FL
Tin	FL
Titanium	FL
Vanadium	FL
Zinc	FL

**Method EPA 200.8**

Antimony	FL
Arsenic	FL
Barium	FL
Cadmium	FL
Chromium	FL
Cobalt	FL
Copper	FL
Lead	FL
Manganese	FL
Nickel	FL
Selenium	FL
Silver	FL
Thallium	FL
Vanadium	FL
Zinc	FL

**Method EPA 245.1**

Mercury	FL
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**Method EPA 300.0**

Bromide	FL
Chloride	FL
Fluoride	FL
Nitrate	FL
Nitrite	FL
Sulfate	FL

**Method EPA 310.2**

Alkalinity as CaCO <sub>3</sub>	FL
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**Method EPA 350.1**

Ammonia as N	FL
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**Method EPA 351.2**

Kjeldahl Nitrogen (Total Kjeldahl Nitrogen-TKN)	FL
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**Method EPA 353.2**

Nitrate	FL
Nitrate-nitrite	FL

**Method EPA 365.4**

Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix:** CWA (Non Potable Water)

Phosphorus	FL
<b>Method EPA 410.4</b>	
Chemical oxygen demand	FL
<b>Method EPA 420.1</b>	
Phenols (Petroleum)	FL
<b>Method EPA 6010</b>	
Arsenic	FL
Cadmium	FL
Chromium	FL
Copper	FL
Lead	FL
Molybdenum	FL
Nickel	FL
Selenium	FL
Zinc	FL
<b>Method EPA 6020</b>	
Arsenic	FL
Cadmium	FL
Chromium	FL
Copper	FL
Lead	FL
Nickel	FL
Selenium	FL
Zinc	FL
<b>Method EPA 608</b>	
4,4'-DDD	FL
4,4'-DDE	FL
4,4'-DDT	FL
Aldrin	FL
alpha-BHC (alpha-Hexachlorocyclohexane)	FL
Aroclor-1016 (PCB-1016)	FL
Aroclor-1221 (PCB-1221)	FL
Aroclor-1232 (PCB-1232)	FL
Aroclor-1242 (PCB-1242)	FL
Aroclor-1248 (PCB-1248)	FL
Aroclor-1254 (PCB-1254)	FL
Aroclor-1260 (PCB-1260)	FL
beta-BHC (beta-Hexachlorocyclohexane)	FL
Chlordane (tech.)(N.O.S.)	FL
delta-BHC	FL
Dieldrin	FL
Endosulfan I	FL
Endosulfan II	FL
Endosulfan sulfate	FL
Endrin	FL
Endrin aldehyde	FL

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Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix:** CWA (Non Potable Water)

gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	FL
Heptachlor	FL
Heptachlor epoxide	FL
Toxaphene (Chlorinated camphene)	FL

**Method EPA 624**

1,1,1-Trichloroethane	FL
1,1,2,2-Tetrachloroethane	FL
1,1,2-Trichloroethane	FL
1,1-Dichloroethane	FL
1,1-Dichloroethylene	FL
1,2-Dichlorobenzene (o-Dichlorobenzene)	FL
1,2-Dichloroethane (Ethylene dichloride)	FL
1,2-Dichloropropane	FL
1,3-Dichlorobenzene	FL
1,4-Dichlorobenzene	FL
2-Chloroethyl vinyl ether	FL
Acrolein (Propenal)	FL
Acrylonitrile	FL
Benzene	FL
Bromodichloromethane	FL
Bromoform	FL
Carbon tetrachloride	FL
Chlorobenzene	FL
Chlorodibromomethane	FL
Chloroethane (Ethyl chloride)	FL
Chloroform	FL
cis-1,3-Dichloropropene	FL
Ethylbenzene	FL
Methyl bromide (Bromomethane)	FL
Methyl chloride (Chloromethane)	FL
Methylene chloride (Dichloromethane)	FL
Tetrachloroethylene (Perchloroethylene)	FL
Toluene	FL
trans-1,2-Dichloroethylene	FL
trans-1,3-Dichloropropylene	FL
Trichloroethene (Trichloroethylene)	FL
Trichlorofluoromethane (Fluorotrchloromethane, Freon 11)	FL
Vinyl chloride	FL

**Method EPA 625**

1,2,4-Trichlorobenzene	FL
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	FL
2,4,6-Trichlorophenol	FL
2,4-Dichlorophenol	FL
2,4-Dimethylphenol	FL
2,4-Dinitrophenol	FL
2,4-Dinitrotoluene (2,4-DNT)	FL

Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix:** CWA (Non Potable Water)

2,6-Dinitrotoluene (2,6-DNT)	FL
2-Chloronaphthalene	FL
2-Chlorophenol	FL
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	FL
2-Nitrophenol	FL
3,3'-Dichlorobenzidine	FL
4-Bromophenyl phenyl ether	FL
4-Chloro-3-methylphenol	FL
4-Chlorophenyl phenylether	FL
4-Nitrophenol	FL
Acenaphthene	FL
Acenaphthylene	FL
Anthracene	FL
Benzidine	FL
Benzo(a)anthracene	FL
Benzo(a)pyrene	FL
Benzo(b)fluoranthene	FL
Benzo(g,h,i)perylene	FL
Benzo(k)fluoranthene	FL
bis(2-Chloroethoxy)methane	FL
bis(2-Chloroethyl) ether	FL
Butyl benzyl phthalate	FL
Chrysene	FL
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	FL
Dibenz(a,h) anthracene	FL
Diethyl phthalate	FL
Dimethyl phthalate	FL
Di-n-butyl phthalate	FL
Di-n-octyl phthalate	FL
Fluoranthene	FL
Fluorene	FL
Hexachlorobenzene	FL
Hexachlorobutadiene	FL
Hexachlorocyclopentadiene	FL
Hexachloroethane	FL
Indeno(1,2,3-cd) pyrene	FL
Isophorone	FL
Naphthalene	FL
Nitrobenzene	FL
n-Nitrosodimethylamine	FL
n-Nitrosodi-n-propylamine	FL
n-Nitrosodiphenylamine	FL
Pentachlorophenol	FL
Phenanthrene	FL
Phenol	FL
Pyrene	FL

Microbac Laboratories, Inc - Ohio Valley Division

**Primary AB****Program/Matrix:** *CWA (Non Potable Water)*

<b>Method EPA 7470</b>		
Mercury		FL
<b>Method HACH 8000</b>		
Chemical oxygen demand		FL
<b>Method SM 2120 B</b>		
Color		FL
<b>Method SM 2310 B</b>		
Acidity, as CaCO <sub>3</sub>		FL
<b>Method SM 2320 B</b>		
Alkalinity as CaCO <sub>3</sub>		FL
<b>Method SM 2340 C-1997</b>		
Hardness		FL
<b>Method SM 2510 B</b>		
Conductivity		FL
<b>Method SM 2540 B</b>		
Residue-total		FL
<b>Method SM 2540 C</b>		
Residue-filterable (TDS)		FL
<b>Method SM 2540 D</b>		
Residue-nonfilterable (TSS)		FL
<b>Method SM 2540 F</b>		
Residue-settleable		FL
<b>Method SM 3500-Cr B</b>		
Chromium VI		FL
<b>Method SM 4500-Cl E</b>		
Chloride		FL
<b>Method SM 4500-CN<sup>-</sup> E</b>		
Cyanide		FL
<b>Method SM 4500-CN<sup>-</sup> G</b>		
Available Cyanide		FL
<b>Method SM 4500-F<sup>-</sup> C</b>		
Fluoride		FL
<b>Method SM 4500-H<sup>+</sup> B</b>		
pH		FL
<b>Method SM 4500-NH<sub>3</sub> G</b>		
Ammonia as N		FL
<b>Method SM 4500-P E-1988</b>		
Orthophosphate as P		FL
<b>Method SM 4500-S<sub>2</sub><sup>-</sup> F</b>		
Sulfide		FL
<b>Method SM 5210 B</b>		
Biochemical oxygen demand		FL

Microbac Laboratories, Inc - Ohio Valley Division

**Primary AB****Program/Matrix:** *CWA (Non Potable Water)*

Carbonaceous BOD, CBOD

FL

**Method SM 5310 C**

Total organic carbon

FL

**Method SM 5540 C**

Surfactants - MBAS

FL

**Method TKN-NH3-CAL**

Organic nitrogen

FL



Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix:** RCRA (Non Potable Water)**Method EPA 1010**

Ignitability FL

**Method EPA 6010**

Aluminum FL

Antimony FL

Arsenic FL

Barium FL

Beryllium FL

Boron FL

Cadmium FL

Calcium FL

Chromium FL

Cobalt FL

Copper FL

Iron FL

Lead FL

Lithium FL

Magnesium FL

Manganese FL

Molybdenum FL

Nickel FL

Phosphorus FL

Potassium FL

Selenium FL

Silica as SiO<sub>2</sub> FL

Silver FL

Sodium FL

Strontium FL

Thallium FL

Tin FL

Titanium FL

Vanadium FL

Zinc FL

**Method EPA 6020**

Antimony FL

Arsenic FL

Barium FL

Cadmium FL

Chromium FL

Cobalt FL

Copper FL

Lead FL

Manganese FL

Nickel FL

Selenium FL

Silver FL

Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix:** RCRA (Non Potable Water)

Thallium	FL
Vanadium	FL
Zinc	FL

**Method EPA 7196**

Chromium VI	FL
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**Method EPA 7470**

Mercury	FL
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**Method EPA 8011**

1,2-Dibromo-3-chloropropane (DBCP)	FL
1,2-Dibromoethane (EDB, Ethylene dibromide)	FL

**Method EPA 8015**

Diesel range organics (DRO)	FL
Ethanol	FL
Ethylene glycol	FL
Gasoline range organics (GRO)	FL
Isopropyl alcohol (2-Propanol, Isopropanol)	FL
Methanol	FL

**Method EPA 8081**

4,4'-DDD	FL
4,4'-DDE	FL
4,4'-DDT	FL
Aldrin	FL
alpha-BHC (alpha-Hexachlorocyclohexane)	FL
alpha-Chlordane, cis-Chlordane	FL
beta-BHC (beta-Hexachlorocyclohexane)	FL
Chlordane (tech.)(N.O.S.)	FL
delta-BHC	FL
Dieldrin	FL
Endosulfan I	FL
Endosulfan II	FL
Endosulfan sulfate	FL
Endrin	FL
Endrin aldehyde	FL
Endrin ketone	FL
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	FL
gamma-Chlordane	FL
Heptachlor	FL
Heptachlor epoxide	FL
Methoxychlor	FL
Toxaphene (Chlorinated camphene)	FL

**Method EPA 8082**

Aroclor-1016 (PCB-1016)	FL
Aroclor-1221 (PCB-1221)	FL
Aroclor-1232 (PCB-1232)	FL
Aroclor-1242 (PCB-1242)	FL

Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix: RCRA (Non Potable Water)**

Aroclor-1248 (PCB-1248)	FL
Aroclor-1254 (PCB-1254)	FL
Aroclor-1260 (PCB-1260)	FL

**Method EPA 8151**

2,4,5-T	FL
2,4-D	FL
2,4-DB	FL
Dalapon	FL
Dicamba	FL
Dichloroprop (Dichlorprop)	FL
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	FL
MCPA	FL
MCPP	FL
Pentachlorophenol	FL
Silvex (2,4,5-TP)	FL

**Method EPA 8260**

1,1,1,2-Tetrachloroethane	FL
1,1,1-Trichloroethane	FL
1,1,2,2-Tetrachloroethane	FL
1,1,2-Trichloroethane	FL
1,1-Dichloroethane	FL
1,1-Dichloroethylene	FL
1,1-Dichloropropene	FL
1,2,3-Trichlorobenzene	FL
1,2,3-Trichloropropane	FL
1,2,4-Trichlorobenzene	FL
1,2,4-Trimethylbenzene	FL
1,2-Dibromo-3-chloropropane (DBCP)	FL
1,2-Dibromoethane (EDB, Ethylene dibromide)	FL
1,2-Dichlorobenzene (o-Dichlorobenzene)	FL
1,2-Dichloroethane (Ethylene dichloride)	FL
1,2-Dichloropropane	FL
1,3,5-Trimethylbenzene	FL
1,3-Dichlorobenzene	FL
1,3-Dichloropropane	FL
1,4-Dichlorobenzene	FL
1,4-Dioxane (1,4- Diethyleneoxide)	FL
1-Chlorohexane	FL
2,2-Dichloropropane	FL
2-Butanone (Methyl ethyl ketone, MEK)	FL
2-Chloroethyl vinyl ether	FL
2-Chlorotoluene	FL
2-Hexanone	FL
2-Nitropropane	FL
4-Chlorotoluene	FL
4-Isopropyltoluene (p-Cymene,p-Isopropyltoluene)	FL

Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix: RCRA (Non Potable Water)**

4-Methyl-2-pentanone (MIBK)	FL
Acetone	FL
Acetonitrile	FL
Acrolein (Propenal)	FL
Acrylonitrile	FL
Allyl chloride (3-Chloropropene)	FL
Benzene	FL
Bromobenzene	FL
Bromochloromethane	FL
Bromodichloromethane	FL
Bromoform	FL
Carbon disulfide	FL
Carbon tetrachloride	FL
Chlorobenzene	FL
Chlorodibromomethane	FL
Chloroethane (Ethyl chloride)	FL
Chloroform	FL
Chloroprene (2-Chloro-1,3-butadiene)	FL
cis-1,2-Dichloroethylene	FL
cis-1,3-Dichloropropene	FL
Dibromomethane (Methylene bromide)	FL
Dichlorodifluoromethane (Freon-12)	FL
Diethyl ether	FL
Ethyl acetate	FL
Ethyl methacrylate	FL
Ethylbenzene	FL
Hexachlorobutadiene	FL
Iodomethane (Methyl iodide)	FL
Isobutyl alcohol (2-Methyl-1-propanol)	FL
Isopropylbenzene	FL
Methacrylonitrile	FL
Methyl bromide (Bromomethane)	FL
Methyl chloride (Chloromethane)	FL
Methyl methacrylate	FL
Methyl tert-butyl ether (MTBE)	FL
Methylene chloride (Dichloromethane)	FL
m-Xylene	FL
Naphthalene	FL
n-Butyl alcohol (1-Butanol, n-Butanol)	FL
n-Butylbenzene	FL
n-Propylbenzene	FL
o-Xylene	FL
Propionitrile (Ethyl cyanide)	FL
p-Xylene	FL
sec-Butylbenzene	FL
Styrene	FL
tert-Butyl alcohol	FL

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Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix: RCRA (Non Potable Water)**

tert-Butylbenzene	FL
Tetrachloroethylene (Perchloroethylene)	FL
Toluene	FL
trans-1,2-Dichloroethylene	FL
trans-1,3-Dichloropropylene	FL
trans-1,4-Dichloro-2-butene	FL
Trichloroethene (Trichloroethylene)	FL
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	FL
Vinyl acetate	FL
Vinyl chloride	FL

**Method EPA 8270**

1,2,4,5-Tetrachlorobenzene	FL
1,2,4-Trichlorobenzene	FL
1,2-Dichlorobenzene (o-Dichlorobenzene)	FL
1,2-Diphenylhydrazine	FL
1,3,5-Trinitrobenzene (1,3,5-TNB)	FL
1,3-Dichlorobenzene	FL
1,3-Dinitrobenzene (1,3-DNB)	FL
1,4-Dichlorobenzene	FL
1,4-Naphthoquinone	FL
1,4-Phenylenediamine	FL
1-Naphthylamine	FL
2,3,4,6-Tetrachlorophenol	FL
2,4,5-Trichlorophenol	FL
2,4,6-Trichlorophenol	FL
2,4-Dichlorophenol	FL
2,4-Dimethylphenol	FL
2,4-Dinitrophenol	FL
2,4-Dinitrotoluene (2,4-DNT)	FL
2,6-Dichlorophenol	FL
2,6-Dinitrotoluene (2,6-DNT)	FL
2-Acetylaminofluorene	FL
2-Chloronaphthalene	FL
2-Chlorophenol	FL
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	FL
2-Methylaniline (o-Toluidine)	FL
2-Methylnaphthalene	FL
2-Methylphenol (o-Cresol)	FL
2-Naphthylamine	FL
2-Nitroaniline	FL
2-Nitrophenol	FL
2-Picoline (2-Methylpyridine)	FL
3,3'-Dichlorobenzidine	FL
3,3'-Dimethylbenzidine	FL
3-Methylcholanthrene	FL
3-Methylphenol (m-Cresol)	FL

Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix: RCRA (Non Potable Water)**

3-Nitroaniline	FL
4-Aminobiphenyl	FL
4-Bromophenyl phenyl ether	FL
4-Chloro-3-methylphenol	FL
4-Chloroaniline	FL
4-Chlorophenyl phenylether	FL
4-Methylphenol (p-Cresol)	FL
4-Nitroaniline	FL
4-Nitrophenol	FL
4-Nitroquinoline 1-oxide	FL
5-Nitro-o-toluidine	FL
7,12-Dimethylbenz(a) anthracene	FL
a-a-Dimethylphenethylamine	FL
Acenaphthene	FL
Acenaphthylene	FL
Acetophenone	FL
Aniline	FL
Anthracene	FL
Aramite	FL
Benzidine	FL
Benzo(a)anthracene	FL
Benzo(a)pyrene	FL
Benzo(b)fluoranthene	FL
Benzo(g,h,i)perylene	FL
Benzo(k)fluoranthene	FL
Benzoic acid	FL
Benzyl alcohol	FL
bis(2-Chloroethoxy)methane	FL
bis(2-Chloroethyl) ether	FL
Butyl benzyl phthalate	FL
Chlorobenzilate	FL
Chrysene	FL
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	FL
Diallate	FL
Dibenz(a,h) anthracene	FL
Dibenzofuran	FL
Diethyl phthalate	FL
Dimethoate	FL
Dimethyl phthalate	FL
Di-n-butyl phthalate	FL
Di-n-octyl phthalate	FL
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	FL
Diphenylamine	FL
Disulfoton	FL
Ethyl methanesulfonate	FL
Famphur	FL
Fluoranthene	FL

Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix:** RCRA (Non Potable Water)

Fluorene	FL
Hexachlorobenzene	FL
Hexachlorobutadiene	FL
Hexachlorocyclopentadiene	FL
Hexachloroethane	FL
Hexachlorophene	FL
Hexachloropropene	FL
Hexamethylphosphoramide (HMPA)	FL
Indeno(1,2,3-cd) pyrene	FL
Isodrin	FL
Isophorone	FL
Isosafrole	FL
Kepone	FL
Malathion	FL
Methapyrilene	FL
Methyl methanesulfonate	FL
Methyl parathion (Parathion, methyl)	FL
Naphthalene	FL
Nitrobenzene	FL
n-Nitrosodiethylamine	FL
n-Nitrosodimethylamine	FL
n-Nitroso-di-n-butylamine	FL
n-Nitrosodi-n-propylamine	FL
n-Nitrosodiphenylamine	FL
n-Nitrosomethylethylamine	FL
n-Nitrosomorpholine	FL
n-Nitrosopiperidine	FL
n-Nitrosopyrrolidine	FL
o,o,o-Triethyl phosphorothioate	FL
Parathion, ethyl	FL
Pentachlorobenzene	FL
Pentachloronitrobenzene	FL
Pentachlorophenol	FL
Phenacetin	FL
Phenanthrene	FL
Phenol	FL
Phorate	FL
Pronamide (Kerb)	FL
Pyrene	FL
Pyridine	FL
Safrole	FL
Sulfotep (Tetraethyl dithiopyrophosphate)	FL
Tetrachlorvinphos (Stirophos, Gardona) Mixed isomers	FL
Thionazin (Zinophos)	FL

**Method EPA 8315**

Formaldehyde	FL
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Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix: RCRA (Non Potable Water)****Method EPA 8330**

1,3,5-Trinitrobenzene (1,3,5-TNB)	FL
1,3-Dinitrobenzene (1,3-DNB)	FL
2,4,6-Trinitrotoluene (2,4,6-TNT)	FL
2,4-Dinitrotoluene (2,4-DNT)	FL
2,6-Dinitrotoluene (2,6-DNT)	FL
2-Amino-4,6-dinitrotoluene (2-am-dnt)	FL
2-Nitrotoluene	FL
3-Nitrotoluene	FL
4-Amino-2,6-dinitrotoluene (4-am-dnt)	FL
4-Nitrotoluene	FL
Methyl-2,4,6-trinitrophenylnitramine (tetryl)	FL
Nitrobenzene	FL
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	FL
RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	FL

**Method EPA 9010**

Amenable cyanide	FL
Cyanide	FL

**Method EPA 9056**

Bromide	FL
Chloride	FL
Fluoride	FL
Nitrate	FL
Nitrite	FL
Sulfate	FL

**Method EPA 9060**

Total organic carbon	FL
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**Method KS LRH GC-FID**

Total Petroleum Hydrocarbons C5 - C8	KS
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**Method KS MRH/HRH GC-FID**

Total Petroleum Hydrocarbons C19 - C35	KS
Total Petroleum Hydrocarbons C9 - C18	KS



Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix:** RCRA (Solid & Hazardous Material)**Method EPA 1010**

Ignitability FL

**Method EPA 1311**

Toxicity Characteristic Leaching Procedure (TCLP) FL

**Method EPA 1312 Synthetic Precipitation Leaching Procedure**

Synthetic Precipitation Leaching Procedure (SCLP) FL

**Method EPA 6010**

Aluminum FL

Antimony FL

Arsenic FL

Barium FL

Beryllium FL

Boron FL

Cadmium FL

Calcium FL

Chromium FL

Cobalt FL

Copper FL

Iron FL

Lead FL

Lithium FL

Magnesium FL

Manganese FL

Molybdenum FL

Nickel FL

Phosphorus FL

Potassium FL

Selenium FL

Silver FL

Sodium FL

Strontium FL

Thallium FL

Tin FL

Titanium FL

Vanadium FL

Zinc FL

**Method EPA 6020**

Antimony FL

Arsenic FL

Barium FL

Cadmium FL

Chromium FL

Cobalt FL

Copper FL

Lead FL

Manganese FL

Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix: RCRA (Solid & Hazardous Material)**

Nickel	FL
Selenium	FL
Silver	FL
Thallium	FL
Vanadium	FL
Zinc	FL

**Method EPA 7196**

Chromium VI	FL
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**Method EPA 7471**

Mercury	FL
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**Method EPA 8015**

Diesel range organics (DRO)	FL
Ethanol	FL
Ethylene glycol	FL
Gasoline range organics (GRO)	FL
Isopropyl alcohol (2-Propanol, Isopropanol)	FL
Methanol	FL

**Method EPA 8081**

4,4'-DDD	FL
4,4'-DDE	FL
4,4'-DDT	FL
Aldrin	FL
alpha-BHC (alpha-Hexachlorocyclohexane)	FL
alpha-Chlordane, cis-Chlordane	FL
beta-BHC (beta-Hexachlorocyclohexane)	FL
Chlordane (tech.)(N.O.S.)	FL
delta-BHC	FL
Dieldrin	FL
Endosulfan I	FL
Endosulfan II	FL
Endosulfan sulfate	FL
Endrin	FL
Endrin aldehyde	FL
Endrin ketone	FL
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	FL
gamma-Chlordane	FL
Heptachlor	FL
Heptachlor epoxide	FL
Methoxychlor	FL
Toxaphene (Chlorinated camphene)	FL

**Method EPA 8082**

Aroclor-1016 (PCB-1016)	FL
Aroclor-1221 (PCB-1221)	FL
Aroclor-1232 (PCB-1232)	FL
Aroclor-1242 (PCB-1242)	FL
Aroclor-1248 (PCB-1248)	FL

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Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix: RCRA (Solid & Hazardous Material)**

Aroclor-1254 (PCB-1254)	FL
Aroclor-1260 (PCB-1260)	FL

**Method EPA 8151**

2,4,5-T	FL
2,4-D	FL
2,4-DB	FL
Dalapon	FL
Dicamba	FL
Dichloroprop (Dichlorprop)	FL
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	FL
MCPA	FL
MCPP	FL
Pentachlorophenol	FL
Silvex (2,4,5-TP)	FL

**Method EPA 8260**

1,1,1,2-Tetrachloroethane	FL
1,1,1-Trichloroethane	FL
1,1,2,2-Tetrachloroethane	FL
1,1,2-Trichloroethane	FL
1,1-Dichloroethane	FL
1,1-Dichloroethylene	FL
1,1-Dichloropropene	FL
1,2,3-Trichlorobenzene	FL
1,2,3-Trichloropropane	FL
1,2,4-Trichlorobenzene	FL
1,2,4-Trimethylbenzene	FL
1,2-Dibromo-3-chloropropane (DBCP)	FL
1,2-Dibromoethane (EDB, Ethylene dibromide)	FL
1,2-Dichlorobenzene (o-Dichlorobenzene)	FL
1,2-Dichloroethane (Ethylene dichloride)	FL
1,2-Dichloropropane	FL
1,3,5-Trimethylbenzene	FL
1,3-Dichlorobenzene	FL
1,3-Dichloropropane	FL
1,4-Dichlorobenzene	FL
1,4-Dioxane (1,4- Diethyleneoxide)	FL
1-Chlorohexane	FL
2,2-Dichloropropane	FL
2-Butanone (Methyl ethyl ketone, MEK)	FL
2-Chloroethyl vinyl ether	FL
2-Chlorotoluene	FL
2-Hexanone	FL
2-Nitropropane	FL
4-Chlorotoluene	FL
4-Isopropyltoluene (p-Cymene,p-Isopropyltoluene)	FL
4-Methyl-2-pentanone (MIBK)	FL

Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix: RCRA (Solid & Hazardous Material)**

Acetone	FL
Acetonitrile	FL
Acrolein (Propenal)	FL
Acrylonitrile	FL
Allyl chloride (3-Chloropropene)	FL
Benzene	FL
Bromobenzene	FL
Bromochloromethane	FL
Bromodichloromethane	FL
Bromoform	FL
Carbon disulfide	FL
Carbon tetrachloride	FL
Chlorobenzene	FL
Chlorodibromomethane	FL
Chloroethane (Ethyl chloride)	FL
Chloroform	FL
Chloroprene (2-Chloro-1,3-butadiene)	FL
cis-1,2-Dichloroethylene	FL
cis-1,3-Dichloropropene	FL
Dibromomethane (Methylene bromide)	FL
Dichlorodifluoromethane (Freon-12)	FL
Diethyl ether	FL
Ethyl acetate	FL
Ethyl methacrylate	FL
Ethylbenzene	FL
Hexachlorobutadiene	FL
Iodomethane (Methyl iodide)	FL
Isobutyl alcohol (2-Methyl-1-propanol)	FL
Isopropylbenzene	FL
Methacrylonitrile	FL
Methyl bromide (Bromomethane)	FL
Methyl chloride (Chloromethane)	FL
Methyl methacrylate	FL
Methyl tert-butyl ether (MTBE)	FL
Methylene chloride (Dichloromethane)	FL
m-Xylene	FL
Naphthalene	FL
n-Butyl alcohol (1-Butanol, n-Butanol)	FL
n-Butylbenzene	FL
n-Propylbenzene	FL
o-Xylene	FL
Propionitrile (Ethyl cyanide)	FL
p-Xylene	FL
sec-Butylbenzene	FL
Styrene	FL
tert-Butyl alcohol	FL
tert-Butylbenzene	FL

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Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix: RCRA (Solid & Hazardous Material)**

Tetrachloroethylene (Perchloroethylene)	FL
Toluene	FL
trans-1,2-Dichloroethylene	FL
trans-1,3-Dichloropropylene	FL
trans-1,4-Dichloro-2-butene	FL
Trichloroethene (Trichloroethylene)	FL
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	FL
Vinyl acetate	FL
Vinyl chloride	FL

**Method EPA 8270**

1,2,4,5-Tetrachlorobenzene	FL
1,2,4-Trichlorobenzene	FL
1,2-Dichlorobenzene (o-Dichlorobenzene)	FL
1,2-Diphenylhydrazine	FL
1,3,5-Trinitrobenzene (1,3,5-TNB)	FL
1,3-Dichlorobenzene	FL
1,3-Dinitrobenzene (1,3-DNB)	FL
1,4-Dichlorobenzene	FL
1,4-Naphthoquinone	FL
1,4-Phenylenediamine	FL
1-Naphthylamine	FL
2,3,4,6-Tetrachlorophenol	FL
2,4,5-Trichlorophenol	FL
2,4,6-Trichlorophenol	FL
2,4-Dichlorophenol	FL
2,4-Dimethylphenol	FL
2,4-Dinitrophenol	FL
2,4-Dinitrotoluene (2,4-DNT)	FL
2,6-Dichlorophenol	FL
2,6-Dinitrotoluene (2,6-DNT)	FL
2-Acetylaminofluorene	FL
2-Chloronaphthalene	FL
2-Chlorophenol	FL
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	FL
2-Methylaniline (o-Toluidine)	FL
2-Methylnaphthalene	FL
2-Methylphenol (o-Cresol)	FL
2-Naphthylamine	FL
2-Nitroaniline	FL
2-Nitrophenol	FL
2-Picoline (2-Methylpyridine)	FL
3,3'-Dichlorobenzidine	FL
3,3'-Dimethylbenzidine	FL
3-Methylcholanthrene	FL
3-Methylphenol (m-Cresol)	FL
3-Nitroaniline	FL

Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix: RCRA (Solid & Hazardous Material)**

4-Aminobiphenyl	FL
4-Bromophenyl phenyl ether	FL
4-Chloro-3-methylphenol	FL
4-Chloroaniline	FL
4-Chlorophenyl phenylether	FL
4-Methylphenol (p-Cresol)	FL
4-Nitroaniline	FL
4-Nitrophenol	FL
4-Nitroquinoline 1-oxide	FL
5-Nitro-o-toluidine	FL
7,12-Dimethylbenz(a) anthracene	FL
a-a-Dimethylphenethylamine	FL
Acenaphthene	FL
Acenaphthylene	FL
Acetophenone	FL
Aniline	FL
Anthracene	FL
Aramite	FL
Benzidine	FL
Benzo(a)anthracene	FL
Benzo(a)pyrene	FL
Benzo(b)fluoranthene	FL
Benzo(g,h,i)perylene	FL
Benzo(k)fluoranthene	FL
Benzoic acid	FL
Benzyl alcohol	FL
bis(2-Chloroethoxy)methane	FL
bis(2-Chloroethyl) ether	FL
Butyl benzyl phthalate	FL
Chlorobenzilate	FL
Chrysene	FL
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	FL
Diallate	FL
Dibenz(a,h) anthracene	FL
Dibenzofuran	FL
Diethyl phthalate	FL
Dimethoate	FL
Dimethyl phthalate	FL
Di-n-butyl phthalate	FL
Di-n-octyl phthalate	FL
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	FL
Diphenylamine	FL
Disulfoton	FL
Ethyl methanesulfonate	FL
Famphur	FL
Fluoranthene	FL
Fluorene	FL

Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix: RCRA (Solid & Hazardous Material)**

Hexachlorobenzene	FL
Hexachlorobutadiene	FL
Hexachlorocyclopentadiene	FL
Hexachloroethane	FL
Hexachlorophene	FL
Hexachloropropene	FL
Hexamethylphosphoramide (HMPA)	FL
Indeno(1,2,3-cd) pyrene	FL
Isodrin	FL
Isophorone	FL
Isosafrole	FL
Kepone	FL
Malathion	FL
Methapyrilene	FL
Methyl methanesulfonate	FL
Methyl parathion (Parathion, methyl)	FL
Naphthalene	FL
Nitrobenzene	FL
n-Nitrosodiethylamine	FL
n-Nitrosodimethylamine	FL
n-Nitroso-di-n-butylamine	FL
n-Nitrosodi-n-propylamine	FL
n-Nitrosodiphenylamine	FL
n-Nitrosomethylethalamine	FL
n-Nitrosomorpholine	FL
n-Nitrosopiperidine	FL
n-Nitrosopyrrolidine	FL
o,o,o-Triethyl phosphorothioate	FL
Parathion, ethyl	FL
Pentachlorobenzene	FL
Pentachloronitrobenzene	FL
Pentachlorophenol	FL
Phenacetin	FL
Phenanthrene	FL
Phenol	FL
Phorate	FL
Pronamide (Kerb)	FL
Pyrene	FL
Pyridine	FL
Safrole	FL
Sulfotep (Tetraethyl dithiopyrophosphate)	FL
Tetrachlorvinphos (Stirophos, Gardona) Mixed isomers	FL
Thionazin (Zinophos)	FL

**Method EPA 8315**

Formaldehyde FL

**Method EPA 8330**

Microbac Laboratories, Inc - Ohio Valley Division

Primary AB

**Program/Matrix: RCRA (Solid & Hazardous Material)**

1,3,5-Trinitrobenzene (1,3,5-TNB)	FL
1,3-Dinitrobenzene (1,3-DNB)	FL
2,4,6-Trinitrotoluene (2,4,6-TNT)	FL
2,4-Dinitrotoluene (2,4-DNT)	FL
2,6-Dinitrotoluene (2,6-DNT)	FL
2-Amino-4,6-dinitrotoluene (2-am-dnt)	FL
2-Nitrotoluene	FL
3-Nitrotoluene	FL
4-Amino-2,6-dinitrotoluene (4-am-dnt)	FL
4-Nitrotoluene	FL
Methyl-2,4,6-trinitrophenylnitramine (tetryl)	FL
Nitrobenzene	FL
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	FL
RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	FL
<b>Method EPA 9010</b>	
Cyanide	FL
<b>Method EPA 9014</b>	
Cyanide	FL
<b>Method EPA 9030</b>	
Sulfide	FL
<b>Method EPA 9034</b>	
Sulfide	FL
<b>Method EPA 9040</b>	
pH	FL
<b>Method EPA 9045</b>	
pH	FL
<b>Method EPA 9056</b>	
Bromide	FL
Chloride	FL
Fluoride	FL
Nitrate	FL
Nitrite	FL
Sulfate	FL
<b>Method EPA 9071</b>	
Oil & Grease	FL
<b>Method EPA 9095</b>	
Paint Filter Test	FL
<b>Method KS LRH GC-FID</b>	
Total Petroleum Hydrocarbons C5 - C8	KS
<b>Method KS MRH/HRH GC-FID</b>	
Total Petroleum Hydrocarbons C19 - C35	KS
Total Petroleum Hydrocarbons C9 - C18	KS

**End of Scope of Accreditation**