CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Microbac Laboratories, Inc.
Ohio Valley Division
[redacted]
[redacted]
Phone: (740) 373-4071

Certificate No.: **2730**
Renew Date: **3/31/2017**

Field of Testing: 108 - Inorganic Chemistry of Wastewater

108.112	001	Boron	EPA 200.7	
108.112	002	Calcium	EPA 200.7	
108.112	003	Hardness (calculation)	EPA 200.7	
108.112	004	Magnesium	EPA 200.7	
108.112	005	Potassium	EPA 200.7	
108.112	006	Silica	EPA 200.7	
108.112	007	Sodium	EPA 200.7	
108.121	001	Bromide	EPA 300.1	
108.121	002	Chloride	EPA 300.1	
108.121	003	Fluoride	EPA 300.1	
108.121	008	Sulfate	EPA 300.1	
108.121	009	Nitrate (as N)	EPA 300.1	
108.121	010	Nitrate-Nitrite (as N)	EPA 300.1	
108.121	011	Nitrite as N	EPA 300.1	
108.141	001	Alkalinity	EPA 310.2	
108.209	001	Ammonia (as N)	EPA 350.1	
108.211	002	Kjeldahl Nitrogen, Total (as N)	EPA 351.2	
108.232	003	Nitrate-Nitrite (as N)	EPA 353.2	
108.232	004	Nitrite as N	EPA 353.2	
108.266	001	Phosphorus, Total	EPA 365.4	
108.323	001	Chemical Oxygen Demand	EPA 410.4	
108.360	001	Phenols, Total	EPA 420.1	Interim
108.381	001	Oil and Grease	EPA 1664A	
108.400	001	Acidity	SM2310B	
108.410	001	Alkalinity	SM2320B	
108.420	001	Hardness (calculation)	SM2340B	
108.421	001	Hardness	SM2340C	
108.440	001	Residue, Total	SM2540B	
108.441	001	Residue, Filterable TDS	SM2540C	
108.442	001	Residue, Non-filterable TSS	SM2540D	
108.443	001	Residue, Settleable	SM2540F	
108.452	001	Chloride	SM4500-Chloride E-1997	
108.470	001	Cyanide, Total	SM4500-CN B or C-1999	
108.472	001	Cyanide, Total	SM4500-CN E	
108.473	001	Cyanide, amenable	SM4500-CN G	
108.480	001	Fluoride	SM4500-F C	
108.490	001	Hydrogen Ion (pH)	SM4500-H+ B	
108.506	002	Ammonia (as N)	SM4500-NH3 G-1997	

As of 10/12/2015 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

108.514	001	Nitrite as N	SM4500-NO2- B-2000	
108.529	001	Nitrate-Nitrite (as N)	SM4500-NO3- F-2000	
108.529	002	Nitrite as N	SM4500-NO3- F-2000	Interim
108.540	001	Phosphate, Ortho	SM4500-P E	
108.572	001	Sulfate	SM4500-SO4 E	
108.585	001	Sulfide (as S)	SM4500-S= F-2000	
108.592	001	Biochemical Oxygen Demand	SM5210B-2001	
108.592	002	Carbonaceous BOD	SM5210B-2001	
108.596	001	Organic Carbon-Total (TOC)	SM5310B-2000	Interim
108.605	001	Surfactants	SM5540C-2000	
108.660	001	Chemical Oxygen Demand	HACH8000	

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7	
109.010	002	Antimony	EPA 200.7	
109.010	003	Arsenic	EPA 200.7	
109.010	004	Barium	EPA 200.7	
109.010	005	Beryllium	EPA 200.7	
109.010	007	Cadmium	EPA 200.7	
109.010	009	Chromium	EPA 200.7	
109.010	010	Cobalt	EPA 200.7	
109.010	011	Copper	EPA 200.7	
109.010	012	Iron	EPA 200.7	
109.010	013	Lead	EPA 200.7	
109.010	015	Manganese	EPA 200.7	
109.010	016	Molybdenum	EPA 200.7	
109.010	017	Nickel	EPA 200.7	
109.010	019	Selenium	EPA 200.7	
109.010	021	Silver	EPA 200.7	
109.010	023	Thallium	EPA 200.7	
109.010	024	Tin	EPA 200.7	
109.010	026	Vanadium	EPA 200.7	
109.010	027	Zinc	EPA 200.7	
109.020	002	Antimony	EPA 200.8	
109.020	003	Arsenic	EPA 200.8	
109.020	004	Barium	EPA 200.8	
109.020	006	Cadmium	EPA 200.8	
109.020	007	Chromium	EPA 200.8	
109.020	008	Cobalt	EPA 200.8	
109.020	009	Copper	EPA 200.8	
109.020	010	Lead	EPA 200.8	
109.020	011	Manganese	EPA 200.8	
109.020	013	Nickel	EPA 200.8	
109.020	014	Selenium	EPA 200.8	
109.020	015	Silver	EPA 200.8	
109.020	016	Thallium	EPA 200.8	
109.020	017	Vanadium	EPA 200.8	
109.020	018	Zinc	EPA 200.8	

109.190	001	Mercury	EPA 245.1	
109.445	002	Chromium (VI)	SM3500-Cr B-2009	
109.449	001	Iron	SM3500-Fe B-1997	

Field of Testing: 110 - Volatile Organic Chemistry of Wastewater

110.040	000	Purgeable Organic Compounds	EPA 624	

Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater

111.100	000	Acid/base/neutral Organic Compounds	EPA 625	
111.103	000	Nitrosamines	EPA 625	
111.170	030	Pesticides	EPA 608	
111.170	031	PCBs	EPA 608	

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010B	
114.010	002	Arsenic	EPA 6010B	
114.010	003	Barium	EPA 6010B	
114.010	004	Beryllium	EPA 6010B	
114.010	005	Cadmium	EPA 6010B	
114.010	006	Chromium	EPA 6010B	
114.010	007	Cobalt	EPA 6010B	
114.010	008	Copper	EPA 6010B	
114.010	009	Lead	EPA 6010B	
114.010	010	Molybdenum	EPA 6010B	
114.010	011	Nickel	EPA 6010B	
114.010	012	Selenium	EPA 6010B	
114.010	013	Silver	EPA 6010B	
114.010	014	Thallium	EPA 6010B	
114.010	015	Vanadium	EPA 6010B	
114.010	016	Zinc	EPA 6010B	
114.020	001	Antimony	EPA 6020	
114.020	002	Arsenic	EPA 6020	
114.020	003	Barium	EPA 6020	
114.020	005	Cadmium	EPA 6020	
114.020	006	Chromium	EPA 6020	
114.020	007	Cobalt	EPA 6020	
114.020	008	Copper	EPA 6020	
114.020	009	Lead	EPA 6020	
114.020	011	Nickel	EPA 6020	
114.020	012	Selenium	EPA 6020	
114.020	013	Silver	EPA 6020	
114.020	014	Thallium	EPA 6020	
114.020	015	Vanadium	EPA 6020	
114.020	016	Zinc	EPA 6020	
114.103	001	Chromium (VI)	EPA 7196A	
114.140	001	Mercury	EPA 7470A	Aqueous Only
114.141	001	Mercury	EPA 7471A	
114.222	001	Cyanide	EPA 9014	
114.230	001	Sulfides, Total	EPA 9034	

114.240	001	Corrosivity - pH Determination	EPA 9040B	
114.241	001	Corrosivity - pH Determination	EPA 9045C	
114.250	001	Fluoride	EPA 9056	

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311	
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II	
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312	

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.010	000	EDB and DBCP	EPA 8011	Aqueous Only
116.020	030	Nonhalogenated Volatiles	EPA 8015B	
116.020	031	Ethanol and Methanol	EPA 8015B	
116.030	001	Gasoline-range Organics	EPA 8015B	
116.080	000	Volatile Organic Compounds	EPA 8260B	
116.080	120	Oxygenates	EPA 8260B	
116.100	010	BTEX and MTBE	LUFT GC/MS	

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015B	
117.110	000	Extractable Organics	EPA 8270C	
117.170	000	Nitroaromatics and Nitramines	EPA 8330	
117.171	000	Nitroaromatics and Nitramines	EPA 8330A	
117.210	000	Organochlorine Pesticides	EPA 8081A	
117.220	000	PCBs	EPA 8082	
117.250	000	Chlorinated Herbicides	EPA 8151A	

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010	
120.040	001	Reactive Cyanide	Section 7.3 SW-846	
120.050	001	Reactive Sulfide	Section 7.3 SW-846	
120.070	001	Corrosivity - pH Determination	EPA 9040B	
120.080	001	Corrosivity - pH Determination	EPA 9045C	