



ARIZONA DEPARTMENT
OF HEALTH SERVICES

ENVIRONMENTAL LABORATORY LICENSE

Issued to:

Laboratory Director: **Anthony D. Canter**
Owner/Representative: **Mrs. Tamara L. Grecco**

Microbac Laboratories, Inc.
AZ0723

is in compliance with Environmental Laboratory's applicable standards for the State of Arizona and maintains on file a List of Parameters for which the laboratory is certified to perform analysis.

PERIOD OF LICENSURE FROM: 02/25/2023 TO: 02/25/2024



A handwritten signature in black ink, appearing to read "S. Baker".

Steven D. Baker, Chief
Office of Laboratory Licensure & Certification
Bureau of State Laboratory Services

Arizona Department Of Health Services Office of Laboratory Licensure and Certification

250 N.17th Avenue, Phoenix, Arizona 85007-3246

SW

Parameter	EPA Method	Certified On
ALUMINUM	EPA 6010C	2/25/2008 12:00:00 AM
ANTIMONY	EPA 6010C	2/25/2008 12:00:00 AM
ANTIMONY	EPA 6020A	3/8/2017 2:58:44 PM
ARSENIC	EPA 6010C	2/25/2008 12:00:00 AM
ARSENIC	EPA 6020A	3/8/2017 2:58:44 PM
BARIUM	EPA 6010C	2/25/2008 12:00:00 AM
BARIUM	EPA 6020A	3/8/2017 2:58:45 PM
BERYLLIUM	EPA 6010C	2/25/2008 12:00:00 AM
BERYLLIUM	EPA 6020A	9/20/2022 11:50:05 AM
BORON	EPA 6010C	3/8/2017 2:58:53 PM
BROMIDE	EPA 9056A	4/23/2008 12:00:00 AM
CADMIUM	EPA 6010C	2/25/2008 12:00:00 AM
CADMIUM	EPA 6020A	3/8/2017 2:58:46 PM
CALCIUM	EPA 6010C	2/25/2008 12:00:00 AM
CHLORIDE	EPA 9056A	4/23/2008 12:00:00 AM
CHLORIN. HERBS BY GC METHYLATION	EPA 8151A	4/22/2009 12:00:00 AM
CHROMIUM, TOTAL	EPA 6010C	2/25/2008 12:00:00 AM
CHROMIUM, TOTAL	EPA 6020A	3/8/2017 2:58:46 PM
CLOSED SYSTEM PURGE AND TRAP EXTRACT. VOCS	EPA 5035A	4/23/2008 12:00:00 AM
COBALT	EPA 6010C	2/25/2008 12:00:00 AM
COBALT	EPA 6020A	3/8/2017 2:58:47 PM
CONTINUOUS LIQUID-LIQUID EXTRACTION	EPA 3520C	4/23/2008 12:00:00 AM
COPPER	EPA 6010C	2/25/2008 12:00:00 AM
COPPER	EPA 6020A	3/8/2017 2:58:48 PM
CORROSIVITY PH DETERMINATION	EPA 9040C	4/23/2008 12:00:00 AM
CYANIDE	EPA 9010C	4/28/2008 12:00:00 AM
CYANIDE	EPA 9014	4/28/2008 12:00:00 AM
EDB AND DBCP BY MICROEXTRACTION AND GC	EPA 8011	4/23/2008 12:00:00 AM

SW

Parameter	EPA Method	Certified On
FLASH POINT BY PENSKY MARTEMS CUP	EPA 1010A	4/23/2008 12:00:00 AM
FLORISIL CLEANUP	EPA 3620C	4/23/2008 12:00:00 AM
FLUORIDE	EPA 9056A	4/23/2008 12:00:00 AM
IRON	EPA 6010C	2/25/2008 12:00:00 AM
LEAD	EPA 6010C	2/25/2008 12:00:00 AM
LEAD	EPA 6020A	3/8/2017 2:58:48 PM
LITHIUM	EPA 6010C	2/25/2008 12:00:00 AM
MAGNESIUM	EPA 6010C	2/25/2008 12:00:00 AM
MANGANESE	EPA 6010C	2/25/2008 12:00:00 AM
MANGANESE	EPA 6020A	3/8/2017 2:58:49 PM
MERCURY	EPA 7470A	2/25/2008 12:00:00 AM
MERCURY	EPA 7471B	2/25/2008 12:00:00 AM
MICROWAVE ASSISTED DIGESTIONS	EPA 3015A	2/25/2008 12:00:00 AM
MICROWAVE ASSISTED DIGESTIONS	EPA 3051A	2/25/2008 12:00:00 AM
MICROWAVE ASSISTED DIGESTIONS	3546	3/8/2017 2:58:55 PM
MOLYBDENUM	EPA 6010C	2/25/2008 12:00:00 AM
NICKEL	EPA 6010C	2/25/2008 12:00:00 AM
NICKEL	EPA 6020A	3/8/2017 2:58:50 PM
NITRATE	EPA 9056A	4/23/2008 12:00:00 AM
NITRITE	EPA 9056A	4/23/2008 12:00:00 AM
NITROAROMATICS, NITRAMINES & NITRATE ESTERS	EPA 8330B	12/16/2008 12:00:00 AM
NONHALOGENATED ORGANICS USING GC/FID	EPA 8015D	4/23/2008 12:00:00 AM
OIL AND GREASE AND PETROLEUM HYDROCARBONS	EPA 1664B	4/23/2008 12:00:00 AM
ORGANOCHLORINE PESTICIDES BY GC	EPA 8081B	4/23/2008 12:00:00 AM
PCBS BY GC	EPA 8082A	4/23/2008 12:00:00 AM
PERCHLORATE	EPA 6850	9/5/2013 12:00:00 AM
PH (HYDROGEN ION)	EPA 9045D	4/23/2008 12:00:00 AM
PHOSPHORUS	EPA 6010C	3/8/2017 2:58:54 PM
POTASSIUM	EPA 6010C	2/25/2008 12:00:00 AM
PRESSURIZED FLUID EXTRACTION	EPA 3545A	4/23/2008 12:00:00 AM

SW

Parameter	EPA Method	Certified On
PURGE AND TRAP FOR AQUEOUS SAMPLES	EPA 5030C	4/23/2008 12:00:00 AM
SELENIUM	EPA 6010C	2/25/2008 12:00:00 AM
SELENIUM	EPA 6020A	3/8/2017 2:58:50 PM
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS	EPA 8270C	4/23/2008 12:00:00 AM
SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION	EPA 3510C	4/23/2008 12:00:00 AM
SILICA	EPA 6010C	3/8/2017 2:58:55 PM
SILVER	EPA 6010C	2/25/2008 12:00:00 AM
SILVER	EPA 6020A	3/8/2017 2:58:51 PM
SODIUM	EPA 6010C	2/25/2008 12:00:00 AM
SPE	EPA 3535A	4/23/2008 12:00:00 AM
SPLP	EPA 1312	5/29/2018 12:22:20 PM
STRONTIUM	EPA 6010C	2/25/2008 12:00:00 AM
SULFATE	EPA 9056A	4/23/2008 12:00:00 AM
TCLP	EPA 1311	2/25/2008 12:00:00 AM
THALLIUM	EPA 6010C	2/25/2008 12:00:00 AM
THALLIUM	EPA 6020A	3/8/2017 2:58:52 PM
TIN	EPA 6010C	2/25/2008 12:00:00 AM
TITANIUM	EPA 6010C	2/25/2008 12:00:00 AM
TOCS	EPA 9060A	4/23/2008 12:00:00 AM
TOTAL METALS	EPA 3010A	7/19/2023 8:53:59 AM
ULTRASONIC EXTRACTION	EPA 3550C	4/23/2008 12:00:00 AM
VANADIUM	EPA 6010C	2/25/2008 12:00:00 AM
VANADIUM	EPA 6020A	3/8/2017 2:58:52 PM
VOCs by GC/MS, INCLUDING N-HEXANE	EPA 8260B	4/23/2008 12:00:00 AM
WASTE DILUTION	EPA 3580A	4/23/2008 12:00:00 AM
ZINC	EPA 6010C	2/25/2008 12:00:00 AM
ZINC	EPA 6020A	3/8/2017 2:58:53 PM

Total Count: 85

WW

Parameter	EPA Method	Certified On
ALKALINITY, TOTAL	EPA 310.2 (1974)	4/23/2008 12:00:00 AM
ALKALINITY, TOTAL	SM 2320B (2011)	9/29/2022 1:48:44 PM
ALUMINUM	EPA 200.8 (5.4)	9/29/2022 2:07:54 PM
AMMONIA	EPA 350.1 (2.0)	9/29/2022 1:52:42 PM
ANTIMONY	EPA 200.8 (5.4)	9/29/2022 2:08:41 PM
ARSENIC	EPA 200.8 (5.4)	9/20/2022 11:30:25 AM
BARIUM	EPA 200.8 (5.4)	9/20/2022 11:44:23 AM
BASE/NEUTRALS AND ACIDS BY GC/MS (12/2016)	625.1	10/12/2022 1:25:08 PM
BERYLLIUM	EPA 200.8 (5.4)	9/29/2022 2:09:12 PM
BORON	EPA 200.7 (4.4)	9/29/2022 1:56:45 PM
BROMIDE	EPA 300.1 (1.0)	9/29/2022 1:57:15 PM
CADMIUM	EPA 200.8 (5.4)	9/20/2022 11:44:56 AM
CALCIUM	EPA 200.8 (5.4)	9/29/2022 1:57:56 PM
CHLORIDE	EPA 300.0 (2.1)	9/29/2022 1:58:55 PM
CHROMIUM TOTAL	EPA 200.7 (4.4)	9/29/2022 2:10:26 PM
CHROMIUM TOTAL	EPA 200.8 (5.4)	9/20/2022 11:45:39 AM
CHROMIUM(VI) HEXAVALENT	SM 3500-CR B (2011)	9/29/2022 2:09:54 PM
COPPER	EPA 200.8 (5.4)	9/29/2022 2:11:08 PM
CYANIDE, TOTAL	SM 4500-CN BCE (2011)	10/11/2022 4:23:37 PM
FLUORIDE	EPA 300.0 (2.1)	9/29/2022 2:00:25 PM
IRON	EPA 200.8 (5.4)	9/29/2022 2:11:37 PM
KJELDAHL, TOTAL NITROGEN	EPA 351.2 (2.0)	4/23/2008 12:00:00 AM
LEAD	EPA 200.8 (5.4)	9/20/2022 11:46:26 AM
MAGNESIUM	EPA 200.8 (5.4)	9/29/2022 2:12:33 PM
MANGANESE	EPA 200.8 (5.4)	9/29/2022 2:13:01 PM
MERCURY	EPA 245.1 (3.0)	9/20/2022 11:47:21 AM
NICKEL	EPA 200.8 (5.4)	9/29/2022 2:13:29 PM
NITRATE-NITRITE (AS N)	EPA 353.2 (2.0)	9/29/2022 2:01:59 PM
NITRITE (AS N)	EPA 353.2 (2.0)	9/29/2022 2:02:35 PM
ORTHOPHOSPHATE	SM 4500-P E (2011)	4/23/2008 12:00:00 AM
PHOSPHORUS, TOTAL	EPA 365.4 (1974)	4/22/2009 12:00:00 AM

WW

Parameter	EPA Method	Certified On
POTASSIUM	EPA 200.8 (5.4)	9/29/2022 2:03:18 PM
PURGABLE BY GC/MS (12/2016)	EPA 624.1	10/12/2022 1:25:07 PM
SELENIUM	EPA 200.8 (5.4)	9/20/2022 11:47:55 AM
SELENIUM	EPA 200.7 (4.4)	9/29/2022 2:14:21 PM
SILICA, DISSOLVED	EPA 200.7 (4.4)	9/29/2022 2:04:20 PM
SILVER	EPA 200.8 (5.4)	9/20/2022 11:48:33 AM
SODIUM	EPA 200.8 (5.4)	9/29/2022 2:04:59 PM
SULFATE	EPA 300.0 (2.1)	9/29/2022 2:05:34 PM
THALLIUM	EPA 200.8 (5.4)	9/29/2022 2:15:01 PM
TOTAL, FIXED AND VOLATILE SOLIDS IN SLUDGE	SM 2540G (2011)	9/29/2022 2:06:16 PM
URANIUM	EPA 200.8	5/29/2018 12:22:20 PM
VANADIUM	EPA 200.8 (5.4)	9/29/2022 2:25:00 PM
ZINC	EPA 200.8 (5.4)	9/29/2022 2:28:07 PM

Total Count: 44

Instrument

Instrument	Instrument Code	Quantity	Certified On
GAS CHROMATOGRAPH	GC	8	12/11/2018 8:33:48 AM
GAS CHROMATOGRAPH/MASS SPECTROMETER	GC/MS	5	12/11/2018 8:33:48 AM
HIGH PERFORMANCE LIQUID CHROMATOGRAPH	HPLC	2	12/11/2018 8:33:48 AM
HIGH PERFORMANCE LIQUID CHROMATOGRAPH/MASS SPEC	HPLC/MS	1	12/18/2013 12:00:00 AM
INDUCTIVELY COUPLED PLASMA/MASS SPECTROMETER	ICP/MS	1	2/9/2012 12:00:00 AM
ION CHROMATOGRAPH	IC	3	12/19/2014 12:00:00 AM
AUTOMATED AUTOANALYZER	AUTOANALYZER	2	12/19/2014 12:00:00 AM
INDUCTIVELY COUPLED PLASMA SPECTROMETER	ICP	3	12/18/2013 12:00:00 AM
MERCURY ANALYZER	MA	1	12/13/2007 12:00:00 AM

Total Count: 9

Software

Software Code	Certified On
PERKIN ELMER - ICP/MS	2/9/2012 12:00:00 AM

Software

Software Code	Certified On
ENVIROQUANT/CHEMSTATION - GC	3/11/2008 12:00:00 AM
ENVIROQUANT/CHEMSTATION - GC/MS	3/11/2008 12:00:00 AM
HP CHEMSTATION-HPLC	3/11/2008 12:00:00 AM
SMACTCHEM - AUTO ANALYZER	3/11/2008 12:00:00 AM
OTHER - HPLC	1/17/2012 12:00:00 AM
OTHER - ICP	1/8/2020 2:07:11 PM
OTHER - MERCURY ANALYZER	1/8/2020 2:07:11 PM
CHEMSTATION - HPLC	12/19/2018 3:51:17 PM

Total Count: 9