



ARIZONA DEPARTMENT
OF HEALTH SERVICES

ENVIRONMENTAL LABORATORY LICENSE

Issued to:

Laboratory Director: **Brian Merritt**

Owner/Representative: **Ms. Cheryl Sykora**

Legend Technical Services of AZ, Inc.

AZ0004

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: 07/14/2023 TO: 07/13/2024



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

SDW

Parameter	EPA Method	Certified On
ALKALINITY	SM 2320B (2011)	6/25/2001 12:00:00 AM
ALUMINUM	EPA 200.7 (4.4)	6/25/2001 12:00:00 AM
ANTIMONY	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
ARSENIC	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
BARIUM	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
BARIUM	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
BERYLLIUM	EPA 200.7 (4.4)	1/11/1995 12:00:00 AM
BERYLLIUM	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
CADMIUM	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
CALCIUM	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
CARBAMATES BY HPLC/POST COLUMN	EPA 531.2 (1.0)	5/7/2008 12:00:00 AM
CARBAMATES BY HPLC/POST COLUMN - ADDITIONAL	EPA 531.2 (1.0)	5/7/2008 12:00:00 AM
CARBON, TOTAL ORGANIC	SM 5310C (2011)	3/2/2004 12:00:00 AM
CHLORIDE	EPA 300.0 (2.1)	9/20/1995 12:00:00 AM
CHLORINE, TOTAL RESIDUAL AND FREE	SM 4500-CL G (2011)	10/21/2016 11:12:03 AM
CHROMIUM TOTAL	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
CHROMIUM TOTAL	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
COLIFORMS, FECAL	SM 9221E (2006)	12/16/1998 12:00:00 AM
COLIFORMS, TOTAL AND E.COLI, BY COLILERT (ONPG-MUG)	SM 9223B (2004) AND IDEXX	3/8/1994 12:00:00 AM
COLIFORMS, TOTAL, BY MEMBRANE FILTRATION	SM 9222B (2006)	7/12/1994 12:00:00 AM
COLOR	SM 2120B (2011)	9/16/1997 12:00:00 AM
COPPER	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
COPPER	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
CORROSIVITY	SM 2330B (2010)	7/1/2002 12:00:00 AM
CYANIDE	SM 4500 CN C (2011)	6/13/2006 12:00:00 AM
CYANIDE	SM 4500 CN E (2011)	6/13/2006 12:00:00 AM
CYANIDE	SM 4500 CN B (2011)	6/16/2008 12:00:00 AM

SDW

Parameter	EPA Method	Certified On
CYANIDE, AVAILABLE/AMENABLE	SM 4500-CN G (2011)	6/13/2006 12:00:00 AM
DETERMINATION OF PER - AND PFAS (ESPE / LCMS)	EPA 533	7/1/2022 3:56:50 PM
DETERMINATION OF SELECTED PERFLUORINATED ALKYL ACIDS (LC/MS/MS)	EPA 537.1	1/22/2020 3:31:01 PM
FLUORIDE	EPA 300.0 (2.1)	3/20/2018 4:33:35 PM
GLYPHOSATE	EPA 547 (7/90)	2/27/2004 12:00:00 AM
HALOACETIC ACIDS, BROMATE AND DALAPON BY IC-ESI-MS/MS	EPA 557 (1.0)	6/19/2015 12:00:00 AM
HARDNESS	SM 2340 B (2011), CA AND MG	10/3/1997 12:00:00 AM
HETEROTROPHIC PLATE COUNT	SM 9215B (2004)	3/8/1994 12:00:00 AM
HETEROTROPHIC PLATE COUNT	SIMPLATE	2/5/2020 4:20:24 PM
HYDROGEN ION (pH)	SM 4500-H B (2011)	12/5/2006 12:00:00 AM
IRON	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
LEAD	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
MAGNESIUM	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
MANGANESE	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
MANGANESE	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
MERCURY	EPA 245.1 (3.0)	7/1/1992 12:00:00 AM
MICROSCOPIC PARTICULATE ANALYSIS	EPA910/9-92-029	11/10/1999 12:00:00 AM
NICKEL	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
NICKEL	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
NITRATE	SM 4500-NO3 F (2011)	6/22/1999 12:00:00 AM
NITRATE	EPA 300.0 (2.1)	1/16/2018 2:01:32 PM
NITRITE	SM 4500-NO2 B (2011)	12/19/1995 12:00:00 AM
NITRITE	EPA 300.0 (2.1)	3/20/2018 4:34:01 PM
ORTHOPHOSPHATE	EPA 300.0 (2.1)	3/20/2018 4:34:25 PM
RESIDUE, FILTERABLE (TDS)	SM 2540 C (2011)	12/19/1995 12:00:00 AM
SELENIUM	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
SILICA	EPA 200.7 (4.4)	6/25/2001 12:00:00 AM
SILVER	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
SODIUM	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
SPECIFIC CONDUCTANCE	SM 2510B(2011)	12/28/2021 6:05:23 PM

SDW

Parameter	EPA Method	Certified On
STRONTIUM	EPA 200.7 (4.4)	9/20/1995 12:00:00 AM
SULFATE	EPA 300.0(2.1)	9/20/1995 12:00:00 AM
THALLIUM	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
TOTAL COLIFORMS BY MTF	SM 9221B & C	7/1/1992 12:00:00 AM
TURBIDITY, NEPHELOMETRIC (NTU)	EPA 180.1 (2.0)	7/1/1992 12:00:00 AM
URANIUM	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
UV - ABSORPTION AT 254 NM	SM 5910B (2011)	2/27/2004 12:00:00 AM
VOCS BY GC/MS	EPA 524.2 (4.1)	1/15/2003 12:00:00 AM
VOCS BY GC/MS-ADDITIONAL	EPA 524.2 (4.1)	1/15/2003 12:00:00 AM
ZINC	EPA 200.7 (4.4)	7/1/1992 12:00:00 AM

Total Count: 67

SW

Parameter	EPA Method	Certified On
ALUMINUM	EPA 6010C	6/9/1998 12:00:00 AM
ANTIMONY	EPA 6010C	6/9/1998 12:00:00 AM
ARSENIC	EPA 6010C	6/9/1998 12:00:00 AM
BARIUM	EPA 6010C	6/9/1998 12:00:00 AM
BERYLLIUM	EPA 6010C	6/9/1998 12:00:00 AM
CADMIUM	EPA 6010C	6/9/1998 12:00:00 AM
CALCIUM	EPA 6010C	6/9/1998 12:00:00 AM
CHROMIUM, TOTAL	EPA 6010C	6/9/1998 12:00:00 AM
CLOSED SYSTEM PURGE AND TRAP EXTRACT. VOCS	EPA 5035A	4/15/2009 12:00:00 AM
COBALT	EPA 6010C	6/9/1998 12:00:00 AM
COPPER	EPA 6010C	6/9/1998 12:00:00 AM
CYANIDE	EPA 9010C	12/5/2006 12:00:00 AM
CYANIDE	EPA 9014	7/2/2001 12:00:00 AM
CYANIDE EXTRACTIONS FOR SOLIDS AND OILS	EPA 9013A	10/7/2016 3:39:29 PM
EP TOXICITY	EPA 1310B	12/5/2006 12:00:00 AM
FLASH POINT BY PENSKY MARTEMS CUP	EPA 1010A	12/5/2006 12:00:00 AM
IRON	EPA 6010C	6/9/1998 12:00:00 AM
LEAD	EPA 6010C	6/9/1998 12:00:00 AM

SW

Parameter	EPA Method	Certified On
MAGNESIUM	EPA 6010C	6/9/1998 12:00:00 AM
MANGANESE	EPA 6010C	6/9/1998 12:00:00 AM
MERCURY	EPA 7470A	7/6/1992 12:00:00 AM
MERCURY	EPA 7471B	7/6/1992 12:00:00 AM
MOLYBDENUM	EPA 6010C	6/9/1998 12:00:00 AM
NICKEL	EPA 6010C	6/9/1998 12:00:00 AM
PAINT FILTER LIQUIDS TEST	EPA 9095B	12/5/2006 12:00:00 AM
PH (HYDROGEN ION)	EPA 9045D	12/5/2006 12:00:00 AM
POTASSIUM	EPA 6010C	6/9/1998 12:00:00 AM
PURGE AND TRAP FOR AQUEOUS SAMPLES	EPA 5030C	4/15/2009 12:00:00 AM
SEDIMENTS, SLUDGES AND SOILS	EPA 3050B	6/9/1998 12:00:00 AM
SELENIUM	EPA 6010C	6/9/1998 12:00:00 AM
SILICA	EPA 6010C	6/25/2001 12:00:00 AM
SILVER	EPA 6010C	6/9/1998 12:00:00 AM
SODIUM	EPA 6010C	6/9/1998 12:00:00 AM
SPECIFIC CONDUCTANCE	EPA 9050A	6/9/1998 12:00:00 AM
TCLP	EPA 1311	7/6/1992 12:00:00 AM
THALLIUM	EPA 6010C	6/9/1998 12:00:00 AM
VANADIUM	EPA 6010C	6/9/1998 12:00:00 AM
VOCs by GC/MS, INCLUDING N-HEXANE	EPA 8260B	6/9/1998 12:00:00 AM
ZINC	EPA 6010C	6/9/1998 12:00:00 AM

Total Count: 39

WW

Parameter	EPA Method	Certified On
COLIFORMS, FECAL, NUMBER PER 100 ML OR NUMBER PER GRAM DRY WEIGHT, BY MEMBRANE FILTER	SM 9222D (2006)	7/3/2002 12:00:00 AM
ESCHERICHIA COLI BY COLILERT MPN, IN CONJUNCTION WITH SM 9221B AND 9221C	SM 9223B (2004)	6/2/2005 12:00:00 AM
ESCHERICHIA COLI IN CONJUNCTION WITH SM 9221B AND 9221C	SM 9221F (2006)	6/2/2005 12:00:00 AM
ALKALINITY, TOTAL	SM 2320B (2011)	7/6/1992 12:00:00 AM
ALUMINUM	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
AMMONIA	EPA 350.1 (2.0)	6/27/2000 12:00:00 AM

6/16/2023 10:24:13 AM

Page 4 of 9

WW

Parameter	EPA Method	Certified On
AMMONIA IN SLUDGE ONLY	4500-NH3BANDC (1990)	3/31/2017 12:24:46 PM
ANTIMONY	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
ANTIMONY	EPA 200.7 (4.4)	2/5/2010 12:00:00 AM
ARSENIC	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
ARSENIC	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
BARIUM	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
BARIUM	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
BERYLLIUM	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
BERYLLIUM	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
BIOCHEMICAL OXYGEN DEMAND/CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND	SM 5210B (2011)	6/15/2017 2:57:54 PM
BORON	EPA 200.7 (4.4)	7/12/1994 12:00:00 AM
BROMIDE	EPA 300.0 (2.1)	3/20/2018 4:31:12 PM
CADMIUM	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
CADMIUM	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
CALCIUM	EPA 200.7 (4.4)	7/12/1994 12:00:00 AM
CARBON, TOTAL ORGANIC (TOC)	SM 5310 C (2011)	3/2/2004 12:00:00 AM
CHEMICAL OXYGEN DEMAND	EPA 410.4 (2.0)	12/13/2004 12:00:00 AM
CHLORIDE	EPA 300.0 (2.1)	3/31/2017 12:24:47 PM
CHLORINE TOTAL RESIDUAL	SM 4500-CL G (2011)	10/21/2016 11:18:52 AM
CHROMIUM TOTAL	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
CHROMIUM TOTAL	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
CHROMIUM(VI) HEXAVALENT	SM 3500-CR B (2011)	10/21/2016 11:22:29 AM
COBALT	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
COLIFORMS, FECAL, BY MTF (MAY BE USED FOR SEWAGE SLUDGE), NUMBER PER 100 ML BY MPN	SM 9221C, E (2006)	7/29/2003 12:00:00 AM
COLIFORMS, TOTAL, BY MEMBRANE FILTER	SM 9222B (2006)	9/20/1995 12:00:00 AM
COLIFORMS, TOTAL, BY MTF	SM 9221B (2006)	6/16/2008 12:00:00 AM
COPPER	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
COPPER	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
CYANIDE AMENABLE TO CHLORINATION	SM 4500-CN G	6/13/2006 12:00:00 AM

WW

Parameter	EPA Method	Certified On
CYANIDE, TOTAL	SM 4500-CN BCE (2011)	7/16/2003 12:00:00 AM
FECAL COLIFORMS BY COLILERT 18 (APP AND REUSE ONLY)	SM 9020B (2005)/9223B (2004)	10/18/2010 12:00:00 AM
FECAL COLIFORMS BY COLILERT 18 (NPDES-ATP PERMITS ONLY)	SM 9020B (2005)/9223B (2004)	3/31/2017 12:24:46 PM
FLUORIDE	EPA 300.0 (2.1)	3/20/2018 4:31:37 PM
HARDNESS	SM 2340B (2011)	10/3/1999 12:00:00 AM
HYDROGEN ION (pH)	SM 4500-H B (2011)	12/5/2006 12:00:00 AM
HYDROGEN SULFIDE	SM 4500-S2-H	10/28/2009 12:00:00 AM
IRON	EPA 200.7 (4.4)	7/12/1994 12:00:00 AM
KJELDAHL, TOTAL NITROGEN	EPA 351.2 (2.0)	2/21/2001 12:00:00 AM
KJELDAHL, TOTAL NITROGEN	4500 NH3B+NORGC (2011)	4/3/2017 11:27:16 AM
LEAD	EPA 200.7 (4.4)	7/12/1994 12:00:00 AM
LEAD	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
MAGNESIUM	EPA 200.7 (4.4)	10/18/1996 12:00:00 AM
MANGANESE	EPA 200.7 (4.4)	7/12/1994 12:00:00 AM
MANGANESE	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
MERCURY	EPA 245.1 (3.0)	7/6/1992 12:00:00 AM
MERCURY	EPA 1631E	8/24/2011 12:00:00 AM
MOLYBDENUM	EPA 200.7 (4.4)	7/12/1994 12:00:00 AM
NICKEL	EPA 200.7 (4.4)	7/12/1994 12:00:00 AM
NICKEL	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
NITRATE	EPA 300.0 (2.1)	1/16/2018 2:01:32 PM
NITRATE-NITRITE (AS N)	SM 4500-NO3 F (2011)	4/3/2017 11:30:52 AM
NITRITE (AS N)	SM 4500-NO2 B (2011)	12/19/1995 12:00:00 AM
NITRITE (AS N)	EPA 300.0 (2.1)	3/20/2018 4:32:47 PM
OIL AND GREASE AND PETROLEUM HYDROCARBONS	EPA 1664 REV B	6/18/2013 12:00:00 AM
ORTHOPHOSPHATE	EPA 300.0 (2.1)	3/20/2018 4:33:11 PM
OXYGEN, DISSOLVED	SM 4500-O G (2011)	12/5/2006 12:00:00 AM
OXYGEN-CONSUMPTION RATE	SM 2710B (2011)	2/27/2004 12:00:00 AM
PHOSPHORUS, TOTAL	EPA 365.3 (1978)	1/4/2008 12:00:00 AM
POTASSIUM	EPA 200.7 (4.4)	7/12/1994 12:00:00 AM

WW

Parameter	EPA Method	Certified On
PURGABLE BY GC/MS (12/2016)	EPA 624.1	5/2/2019 4:40:06 PM
RESIDUE NONFILTERABLE (TSS)	SM 2540D (2011)	12/5/2006 12:00:00 AM
RESIDUE TOTAL	SM 2540B (2011)	7/6/1992 12:00:00 AM
RESIDUE VOLATILE	EPA 160.4 (1971)	2/27/2004 12:00:00 AM
RESIDUE, FILTERABLE	SM 2540C (2011)	12/19/1995 12:00:00 AM
RESIDUE, SETTLEABLE SOLIDS	SM 2540F (2011)	7/6/1992 12:00:00 AM
SALMONELLA IN SLUDGE BY MPN	SM 9260D (1988)	7/13/2010 12:00:00 AM
SELENIUM	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
SELENIUM	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
SILICA, DISSOLVED	EPA 200.7 (4.4)	7/12/1994 12:00:00 AM
SILVER	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
SILVER	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
SODIUM	EPA 200.7 (4.4)	7/12/1994 12:00:00 AM
SPECIFIC CONDUCTANCE	SM 2510B (2011)	6/28/1996 12:00:00 AM
STREP, FECAL BY MULTIPLE TUBE	SM 9230B (2007)	7/1/2002 12:00:00 AM
STRONTIUM	EPA 200.7 (4.4)	9/20/1995 12:00:00 AM
SULFATE	EPA 300.0 (2.1)	12/5/2006 12:00:00 AM
SULFIDE	HACH 8131	4/17/2008 12:00:00 AM
THALLIUM	EPA 200.8 (5.4)	10/21/2008 12:00:00 AM
THALLIUM	EPA 200.7 (4.4)	2/5/2010 12:00:00 AM
TIN	EPA 200.7 (4.4)	10/21/2008 12:00:00 AM
TITANIUM	EPA 200.7 (4.4)	6/9/2015 12:00:00 AM
TOTAL, FIXED AND VOLATILE SOLIDS IN SLUDGE	SM 2540G (2011)	10/22/2003 12:00:00 AM
TURBIDITY, NTU	EPA 180.1 (2.0)	7/6/1992 12:00:00 AM
URANIUM	EPA 200.8	5/3/2013 12:00:00 AM
VANADIUM	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM
ZINC	EPA 200.7 (4.4)	11/12/1993 12:00:00 AM

Total Count: 92

Instrument

Instrument	Instrument Code	Quantity	Certified On
MERCURY ANALYZER	MA	1	5/18/2023 12:21:59 PM

Instrument

Instrument	Instrument Code	Quantity	Certified On
ION CHROMATOGRAPH	IC	1	1/16/2018 3:31:31 PM
INDUCTIVELY COUPLED PLASMA/MASS SPECTROMETER	ICP/MS	1	5/25/2016 11:09:33 AM
ION CHROMATOGRAPH W/MASS SPEC	IC/MS/MS	1	6/22/2015 12:00:00 AM
INDUCTIVELY COUPLED PLASMA/MASS SPECTROMETER	ICP/MS	1	10/21/2008 12:00:00 AM
HIGH PERFORMANCE LIQUID CHROMATOGRAPH	HPLC	1	6/23/2004 12:00:00 AM
AUTOMATED AUTOANALYZER	AUTOANALYZER	2	10/21/2008 12:00:00 AM
INDUCTIVELY COUPLED PLASMA SPECTROMETER	ICP	1	6/11/2008 12:00:00 AM
MERCURY ANALYZER	MA	2	8/24/2011 12:00:00 AM
GAS CHROMATOGRAPH/MASS SPECTROMETER	GC/MS	3	6/24/2002 12:00:00 AM
INDUCTIVELY COUPLED PLASMA SPECTROMETER	ICP	1	5/25/2016 11:09:33 AM
ION CHROMATOGRAPH	IC	1	6/10/2019 5:09:39 PM
HIGH PERFORMANCE LIQUID CHROMATOGRAPH/MASS SPEC	HPLC/MS	1	6/1/2022 3:45:28 PM

Total Count: 13

Software

Software Code	Certified On
VARIAN - ICP	7/16/2003 12:00:00 AM
PERKIN ELMER - MA	7/16/2003 12:00:00 AM
WATERS EMPOWER - HPLC	6/19/2007 12:00:00 AM
LACHAT OMNION-IC	6/11/2008 12:00:00 AM
OMNION (LACHAT) - AUTO ANALYZER	6/11/2008 12:00:00 AM
ENVIROQUANT-GC/MS	9/18/2001 12:00:00 AM
AGILENT MASS HUNTER - ICP/MS	6/16/2016 10:50:35 AM
AGILENT MASS HUNTER - ICP/MS	6/16/2016 10:50:35 AM
AGILENT - ICP	6/16/2016 10:50:35 AM
OTHER - IC	1/16/2018 3:31:31 PM
CHROMELEON (DIONEX) - IC	6/21/2019 1:30:00 PM
CHROMELEON (DIONEX) - IC	6/21/2019 1:30:00 PM

Software

Software Code	Certified On
OTHER - HPLC/MS	7/1/2022 3:56:50 PM

Total Count: 13