



ENVIRONMENTAL LABORATORY LICENSE

Issued to:

Laboratory Director: Ganesh Gorane

Owner/Representative: Dr. Ram Ramakrishnan Ph.D.,C.I.H

A & B Labs Arizona Inc.

AZ0768

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: 07/14/2024 TO: 07/13/2025



A handwritten signature in cursive script that reads "Mary Graham".

Mary Graham, 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
ALUMINUM	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
ANTIMONY	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
ARSENIC	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
BARIIUM	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
BERYLLIUM	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
CADMIUM	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
CHLORIDE	EPA 300.0 (2.1)	10/6/2011 12:00:00 AM
CHROMIUM TOTAL	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
COPPER	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
FLUORIDE	EPA 300.0 (2.1)	10/6/2011 12:00:00 AM
HYDROGEN ION (pH)	SM 4500-H B (2011)	7/23/2012 12:00:00 AM
LEAD	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
MANGANESE	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
MERCURY	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
NICKEL	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
NITRATE	EPA 300.0 (2.1)	10/6/2011 12:00:00 AM
NITRITE	EPA 300.0 (2.1)	10/6/2011 12:00:00 AM
ORTHOPHOSPHATE	EPA 300.0 (2.1)	10/6/2011 12:00:00 AM
RESIDUE, FILTERABLE (TDS)	SM 2540 C (2011)	7/14/2011 12:00:00 AM
SELENIUM	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
SILVER	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
SPECIFIC CONDUCTANCE	SM 2510B(2011)	10/6/2011 12:00:00 AM
SULFATE	EPA 300.0(2.1)	10/6/2011 12:00:00 AM
THALLIUM	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
URANIUM	EPA 200.8 (5.4)	6/18/2024 3:42:54 PM
ZINC	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM

Total Count: 26

SW

Parameter	EPA Method	Certified On
ALUMINUM	EPA 6020A	7/14/2011 12:00:00 AM
ANTIMONY	EPA 6020A	7/14/2011 12:00:00 AM
ARSENIC	EPA 6020A	7/14/2011 12:00:00 AM
BARIUM	EPA 6020A	7/14/2011 12:00:00 AM
BERYLLIUM	EPA 6020A	7/14/2011 12:00:00 AM
CADMIUM	EPA 6020A	7/14/2011 12:00:00 AM
CALCIUM	EPA 6020A	7/14/2011 12:00:00 AM
CHROMIUM, TOTAL	EPA 6020A	7/14/2011 12:00:00 AM
COBALT	EPA 6020A	7/14/2011 12:00:00 AM
COPPER	EPA 6020A	7/14/2011 12:00:00 AM
DISSOLVED IN WATER	EPA 3005A	7/14/2011 12:00:00 AM
IRON	EPA 6020A	7/14/2011 12:00:00 AM
LEAD	EPA 6020A	7/14/2011 12:00:00 AM
MAGNESIUM	EPA 6020A	7/14/2011 12:00:00 AM
MANGANESE	EPA 6020A	7/14/2011 12:00:00 AM
MERCURY	EPA 6020A	7/14/2011 12:00:00 AM
NICKEL	EPA 6020A	7/14/2011 12:00:00 AM
PH (HYDROGEN ION)	EPA 9045D	7/14/2011 12:00:00 AM
POTASSIUM	EPA 6020A	7/14/2011 12:00:00 AM
SEDIMENTS, SLUDGES AND SOILS	EPA 3050B	7/14/2011 12:00:00 AM
SELENIUM	EPA 6020A	7/14/2011 12:00:00 AM
SILVER	EPA 6020A	7/14/2011 12:00:00 AM
SODIUM	EPA 6020A	7/14/2011 12:00:00 AM
TCLP	EPA 1311	7/14/2011 12:00:00 AM
THALLIUM	EPA 6020A	7/14/2011 12:00:00 AM
TOTAL METALS	EPA 3010A	7/14/2011 12:00:00 AM
TOTAL RECOVERABLE IN WATER	EPA 3005A	7/14/2011 12:00:00 AM
VANADIUM	EPA 6020A	7/14/2011 12:00:00 AM
ZINC	EPA 6020A	7/14/2011 12:00:00 AM

Total Count: 29

WW

Parameter	EPA Method	Certified On
ALUMINUM	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
ANTIMONY	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
ARSENIC	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
BARIUM	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
BERYLLIUM	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
BORON	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
BROMIDE	EPA 300.0 (2.1)	10/6/2011 12:00:00 AM
CADMIUM	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
CALCIUM	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
CHLORIDE	EPA 300.0 (2.1)	10/6/2011 12:00:00 AM
CHROMIUM TOTAL	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
COBALT	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
COPPER	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
FLUORIDE	EPA 300.0 (2.1)	10/6/2011 12:00:00 AM
HARDNESS (SUM CA & MG)	EPA 200.8	7/14/2011 12:00:00 AM
HYDROGEN ION (pH)	SM 4500-H B (2011)	7/14/2011 12:00:00 AM
IRON	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
LEAD	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
MAGNESIUM	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
MANGANESE	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
MOLYBDENUM	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
NICKEL	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
NITRATE (AS N)	EPA 300.0 (2.1)	10/6/2011 12:00:00 AM
NITRITE (AS N)	EPA 300.0 (2.1)	10/6/2011 12:00:00 AM
ORTHOPHOSPHATE	EPA 300.0 (2.1)	10/6/2011 12:00:00 AM
POTASSIUM	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
RESIDUE NONFILTERABLE (TSS)	SM 2540D (2011)	7/14/2011 12:00:00 AM
RESIDUE, FILTERABLE	SM 2540C (2011)	7/14/2011 12:00:00 AM
SELENIUM	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
SILVER	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
SODIUM	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM

WW

Parameter	EPA Method	Certified On
SPECIFIC CONDUCTANCE	SM 2510B (2011)	10/6/2011 12:00:00 AM
SULFATE	EPA 300.0 (2.1)	10/6/2011 12:00:00 AM
THALLIUM	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
TIN	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
TITANIUM	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
VANADIUM	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM
ZINC	EPA 200.8 (5.4)	7/14/2011 12:00:00 AM

Total Count: 38

Instrument

Instrument	Instrument Code	Quantity	Certified On
ION CHROMATOGRAPH	IC	1	7/23/2012 12:00:00 AM
INDUCTIVELY COUPLED PLASMA/MASS SPECTROMETER	ICP/MS	1	7/12/2011 9:26:35 AM
ION CHROMATOGRAPH	IC	1	6/5/2024 4:02:21 PM

Total Count: 3

Software

Software Code	Certified On
AGILENT MASS HUNTER - ICP/MS	7/12/2011 9:26:34 AM
CHROMELEON (DIONEX) - IC	6/18/2024 3:42:54 PM

Total Count: 2