

 ARIZONA DEPARTMENT OF HEALTH SERVICES PREPAREDNESS	Environmental Laboratory Licensure Application	Laboratory Licensure and Certification 250 N. 17 th Avenue Phoenix, AZ 85007-3231 602-364-0720 FAX 602-364-0759
	PART E – Director Approval	

Part E lists director approved methods available to all laboratories. In addition, the director approval process is outlined in the following pages. These methods are current as of **October 1, 2016**.

Director Approved Methods (Refer to A.A.C. R9-14-610.B for references.) AIR = Air program. SDW = Drinking water. WW = Wastewater. W = Solid, Liquid, and Hazardous Waste.

Description	Program	Reference	Method	Fee
Boron	AIR	Note 1	IO-3.4	\$10
Entamoeba Histolytica	WW	Note 6	SM 9711C	\$228
Chlorine Dioxide	SDW	C1	10126	\$76
Cyanide	SDW	Note 7	SM 4500-CN C 20 th Edition	\$13
Biochemical Oxygen Demand (BOD5)	WW	Note 4	1003-8-2009	\$152
Carbonaceous Biochemical Oxygen Demand (CBOD5)	WW	Note 5	1004-8-2009	\$152
Chromium (VI) Hexavalent (IC Method)	WW	C	3500-Cr E	\$26
Copper	WW	C	3500-Cu E	\$76
Hydrogen Sulfide	WW	C2	SM 4500-S ²⁻ H	\$10
Kjeldahl Total, Nitrogen	WW	I	ASTM D3590-89/02-A/B	\$115
Lab Bench Scale Batch Digestion (Sludge)	WW	Note 2	EPA 625/R-92/013	\$76
Sulfate	WW	Note 3	D516-02	\$76

Note1: Compendium Method IO-3.4, Determination of Metals in Ambient Particulate Matter Using Inductively Coupled Plasma (ICP), EPA/625/R-96/01a, June 1999, available at <http://www.epa.gov/ttn/amtic/files/ambient/inorganic/mthd-3-4.pdf>

Note2: EPA 625/R-92/013 – “White House Document” Environmental Regulations and Technology – Control of Pathogens and Vector Attraction in Sewage Revised July 2003, U.S. Environmental Protection Agency.

Note 3: ASTM-D516-02, Standard Test Method for Sulfate Ion in Water, ASTM International, 100 Barr Harbor Drive P.O. Box C700, West Conshohocken, Pa, 19428-2959

Note 4: In-Situ Incorporated Method 1003-8-2009 Biochemical Oxygen Demand (BOD) Measurement by Optical Probe, 2009, available from In-Situ Incorporated, 221 E. Lincoln Avenue, Ft. Collins, CO 80524, (970) 498-1500.

Note 5: In-Situ Incorporated Method 1004-8-2009 Carbonaceous Biochemical Oxygen Demand (CBOD) Measurement by Optical Probe, 2009, available from In-Situ Incorporated, 221 E. Lincoln Avenue, Ft. Collins, CO 80524, (970) 498-1500.

Note 6: Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995, American Public Health Association, 1015 Fifteenth Street, NW, Washington, DC 20005.

Note 7: Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998, American Public Health Association, 1015 Fifteenth Street, NW, Washington, DC 20005.

2. Process for Director Approved Methods (A.A.C. R9-14-610.C.)
(This is a summary of the steps needed for approval, please refer to the rule cited for detailed instructions.)

Note: For a request for an alternate method or method alteration approval, there is a \$50 fee payable to the Department of Health Services.

- A. Request for approval of a different method or method alteration that is required by an EPA, ADEQ, the U.S. Food and Drug Administration or 9 A.A.C. 8.

1. Name, address, and telephone number of the licensee submitting the request.
2. Name, address, and telephone number of the laboratory for which approval is requested.
3. Identification of the parameter for which approval is requested.
4. Reference to the EPA, ADEQ, the U.S. Food and Drug Administration or 9 A.A.C. 8 that requires or authorizes the use of the method or method alteration for which approval is requested.

- B. Request for approval of a different method or method alteration that is **not** required by an EPA or ADEQ statute or rule.

1. Name, address, and telephone number of the licensee submitting the request.
2. Name, address, and telephone number of the laboratory for which approval is requested.
3. Identification of the parameter for which approval is requested.
4. Written justification for using the method or method alteration for which approval is requested, including the following:
 - a. A detailed description of the method or method alteration.
 - b. References to published or other studies confirming the general applicability of the method or method alteration to the parameter.
 - c. Reference to the EPA, ADEQ, the U.S. Food and Drug Administration or 9 A.A.C. 8 requirement to test the parameter.
 - d. Data that demonstrates the performance of the method or method alteration in terms of accuracy, precision, reliability, ruggedness, ease of use, and ability to achieve a detection limit appropriate to the proposed use of the method or method alteration.

The Department, before approving a method or method alteration that is not required or authorized by EPA or ADEQ statute or rule, may require that the method or method alteration be performed by a designated laboratory to verify that the method or method alteration complies with (C)(2)(d)(iv).