

**TITLE 252. DEPARTMENT OF ENVIRONMENTAL QUALITY
CHAPTER 300. LABORATORY ACCREDITATION**

RULEMAKING ACTION:

PERMANENT final adoption

RULES:

SUBCHAPTER 19. CLASSIFICATIONS
252:300-19-4 [NEW]
SUBCHAPTER 21. CATEGORIES
252:300-21-1 [AMENDED]
252:300-21-2 [AMENDED]
Appendix B.1 Additional Analytes

AUTHORITY:

Environmental Quality Board and Laboratory Certification Advisory Council powers and duties: 27A O.S. §§ 2-2-101, 2-2-201, and 2-4-101 *et seq.*

DATES:

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None

INCORPORATIONS BY REFERENCE:

Incorporated standards:

None

Incorporating rules:

None

Availability:

From the contact person listed below

ANALYSIS:

The DEQ is requiring several municipalities to perform freshwater mussel toxicity testing and/or perchlorate sampling as a condition of the OPDES permit. Laboratory analyses must be performed by certified laboratories. Therefore, freshwater mussel toxicity testing and perchlorate sampling were added to Subchapter 19 and Subchapter 21 as well as Appendix B.1.

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PURSUANT TO THE ACTION DESCRIBED HEREIN, THE FOLLOWING RULES ARE CONSIDERED FINALLY ADOPTED AS SET FORTH IN 75 O.S., SECTION 308.1(A), WITH AN EFFECTIVE DATE OF JUNE 15, 2007.

252:300-19-4. Additional methods

Additional approved methodologies for general water quality laboratories are listed as follows:

- (1) ASTM E 2455-06 Conducting Laboratory Toxicity Test with Freshwater Mussels;
- (2) Determination of Perchlorate in Soils, Test Methods for Evaluating Solid Waste, Draft Update IV B, Laboratory Manual Physical/Chemical Methods:
 - (i) Methods 9058, Ion Chromatography with Chemical Suppression;
 - (ii) Method 6850, Ion Chromatography/Mass Spectrometry;
 - (iii) Method 6860, Liquid Chromatography/Mass Spectrometry
- (3) Determination of Perchlorate in Water:
 - (i) Method 314.0, by Ion Chromatography;
 - (ii) Method 314.1, Using Inline Column Concentration/ Matrix Elimination Ion Chromatography with Suppressed Conductivity Detection;
 - (iii) Method 331.0 Rev. 1.0, Determination of Perchlorate in Drinking Water by Liquid Chromatography Electrospray Ionization Mass Spectrometry;
 - (iv) Method 332.0, Ion Chromatography with Suppressed Conductivity and Electrospray Ionization Mass Spectrometry.

252:300-21-1. ~~Categories for drinking~~ Drinking water certification

A laboratory may be accredited in a drinking water classification for metals, general chemistry, microbiology, asbestos, non-volatile synthetic organic chemicals (SOCs), volatile organic compounds (VOCs) and/or radionuclides. Analytes for each category are specified in Appendix A.

252:300-21-2. ~~Categories for general~~ General water quality certification

(a) A laboratory may be accredited in a general water quality classification for metals, nutrients, demands, extractable organics, general chemistry I and/or II, microbiology, pesticides -herbicides - PCBs, purgeable organics, radiological, bioassay, hazardous waste characterization, and/or basic environmental laboratory. Analytes for each category are specified in Appendix B.

(b) A laboratory may also be accredited in a general water quality classification for perchlorate and/or toxicity testing in freshwater mussels as specified in Appendix B.1.

APPENDIX B.1, ADDITIONAL ANALYTES [NEW]

Additional analytes considered for general water quality laboratory accreditation include the following:

Toxicity Testing in Freshwater Mussels
Perchlorate

