

The State of
Department



Washington
of Ecology

Benton-Franklin Health District Lab
Kennewick, WA

has complied with provisions set forth in Chapter 173-50 WAC and is hereby recognized by the Department of Ecology as an ACCREDITED LABORATORY for the analytical parameters listed on the accompanying Scope of Accreditation. This certificate is effective August 24, 2018 and shall expire August 23, 2019.

Witnessed under my hand on September 11, 2018

Rebecca Wood
Lab Accreditation Unit Supervisor

Laboratory ID
H408

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

SCOPE OF ACCREDITATION

Benton-Franklin Health District Lab

Kennewick, WA

is accredited for the analytes listed below using the methods indicated. Full accreditation is granted unless stated otherwise in a note. EPA is the U.S. Environmental Protection Agency. SM is "Standard Methods for the Examination of Water and Wastewater." SM refers to EPA approved method versions. ASTM is the American Society for Testing and Materials. USGS is the U.S. Geological Survey. AOAC is the Association of Official Analytical Chemists. Other references are described in notes.

Matrix/Analyte	Method	Notes
Drinking Water		
Hardness, Total (as CaCO ₃)	SM 2340 C-2011	
Specific Conductance	SM 2510 B-2011	
Chlorine (Residual), Total	SM 4500-Cl G-2011	
Fluoride	SM 4500-F ⁻ C-2011	
pH	SM 4500-H+ B-2011	
Nitrite	SM 4500-NO ₂ ⁻ B-2011	3
Nitrate	SM 4500-NO ₃ ⁻ D-2011	
Heterotrophic Bacteria	SM 9215 B (PCA)	
Fecal coliform-count	SM 9221 B+E1+C (LTB/BGB/EC-MPN)	
Total coliforms-count	SM 9221 B+E1+C (LTB/BGB/EC-MPN)	
Total coli/E.coli - detect	SM 9223 B Colilert 18® (PA)	
E.coli-count	SM 9223 B Colilert 18® QTray®	
Total coliforms-count	SM 9223 B Colilert 18® QTray®	
Total coli/E.coli - detect	SM 9223 B Colilert® 24 (PA)	
E.coli-count	SM 9223 B Colilert® 24 QTray®	
Total coliforms-count	SM 9223 B Colilert® 24 QTray®	
Total coli/E.coli - detect	SM 9223 B Colisure® (PA)	
Non-Potable Water		
Chloride	ASTM D512-04C	

Benton-Franklin Health District Lab

Matrix/Analyte	Method	Notes
<i>Non-Potable Water</i>		
Sulfate	ASTM D516-11	6,8
Solids, Total Volatile	EPA 160.4_1971	8
Hardness, Total (as CaCO ₃)	SM 2340 C-2011	
Specific Conductance	SM 2510 B-2011	
Solids, Total Dissolved	SM 2540 C-2011	
Solids, Total Suspended	SM 2540 D-2011	
Chlorine (Residual), Total	SM 4500-CI G-2011	
pH	SM 4500-H+ B-2011	
Ammonia	SM 4500-NH ₃ D-2011	
Nitrate + Nitrite	SM 4500-NO ₃ ⁻ E-2011	2
Nitrogen, Total Kjeldahl	SM 4500-Norg C-2011	4
Dissolved Oxygen	SM 4500-O G-2011	
Orthophosphate	SM 4500-P E-2011	
Phosphorus, total	SM 4500-P E-2011	5
Biochemical Oxygen Demand (BOD)	SM 5210 B-2011	
Chemical Oxygen Demand (COD)	SM 5220 D-2011	1
Fecal coliform-count	SM 9221 B+E1+C (LTB/BGB/EC-MPN)	
Total coliforms-count	SM 9221 B+E1+C (LTB/BGB/EC-MPN)	
E.coli-count	SM 9223 B Colilert 18® QTray®	
Total coliforms-count	SM 9223 B Colilert 18® QTray®	
E.coli-count	SM 9223 B Colilert® 24 QTray®	
Total coliforms-count	SM 9223 B Colilert® 24 QTray®	
E.coli-count	SM 9223 Colisure® QTray® (Not for regulatory)	
Total coliforms-count	SM 9223 Colisure® QTray® (Not for regulatory)	
<i>Solid and Chemical Materials</i>		
Fecal coliform-count	SM 9221 B+E1+C (LTB/BGB/EC-MPN)	

Matrix/Analyte	Method	Notes
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Accredited Parameter Note Detail

(1) Hach 8000. (2) Hach 8171. (3) Hach 8571. (4) Hach 8075. (5) Hach 8190, includes both Total Phosphorus and Reactive Phosphorus. (6) Hach 8051. (7) Interim accreditation pending the successful completion of an on-site audit to verify method capabilities (WAC 173-50-100). (8) Provisional accreditation pending submittal of acceptable Proficiency Testing (PT) results (WAC 173-50-110).



09/11/2018

Authentication Signature

Date

Rebecca Wood, Lab Accreditation Unit Supervisor