

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, 2017 and shall expire August 23, 2018.

Witnessed under my hand on August 31, 2017

Rebecca Wood
Acting 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." 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		
Sulfate	ASTM D516-07	6,7
Hardness, Total (as CaCO ₃)	SM 2340 C-97	
Specific Conductance	SM 2510 B-97	
Chlorine (Residual), Total	SM 4500-Cl G-00	
Fluoride	SM 4500-F ⁻ C-97	
pH	SM 4500-H+ B-00	
Nitrite	SM 4500-NO ₂ ⁻ B-00	3
Nitrate	SM 4500-NO ₃ ⁻ D-00	
Heterotrophic plate count	SM 9215 B (PCA)	
Total & Fecal Coli - count	SM 9221 B (LTB) + E1 (EC) + C MPN	
Total Coli/Ecoli - count	SM 9223 B (Colilert® QTray)	
Total Coli/Ecoli - detect	SM 9223 B Colilert	
Total Coli/Ecoli - detect	SM 9223 B Colisure	
Non-Potable Water		
Chloride	ASTM D512-04C	
Sulfate	ASTM D516-07	6,7
Solids, Total Volatile	EPA 160.4_1971	
Hardness, Total (as CaCO ₃)	SM 2340 C-97	
Specific Conductance	SM 2510 B-97	
Solids, Total Dissolved	SM 2540 C-97	

Benton-Franklin Health District Lab

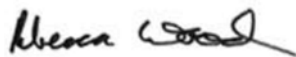
Matrix/Analyte	Method	Notes
Solids, Total Suspended	SM 2540 D-97	
Chlorine (Residual), Total	SM 4500-CI G-00	
pH	SM 4500-H+ B-00	
Ammonia	SM 4500-NH3 D-97	
Nitrate + Nitrite	SM 4500-NO3 ⁻ E-00	2
Nitrogen, Total Kjeldahl	SM 4500-Norg C-97	4
Dissolved Oxygen	SM 4500-O G-01	
Orthophosphate	SM 4500-P E-99	
Phosphorus, total	SM 4500-P E-99	5
Biochemical Oxygen Demand (BOD)	SM 5210 B-01	
Chemical Oxygen Demand (COD)	SM 5220 D-97	1
Total & Fecal Coli - count	SM 9221 B (LTB) + E1 (EC) + C MPN	
Total Coli/Ecoli - count	SM 9223 B (Colilert® QTray)	
Total Coli/Ecoli - count	SM 9223 B Colisure QTray	8

Solid and Chemical Materials

Fecal coliform-count	SM 9221 B (LTB) + E1 (EC) + C MPN
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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).



08/31/2017

Authentication Signature
 Rebecca Wood, Acting Lab Accreditation Unit Supervisor

Date