

# WASHINGTON STATE DEPARTMENT OF ECOLOGY

## ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

### SCOPE OF ACCREDITATION

#### Anatek Labs, Incorporated

#### Moscow, ID

is accredited for the analytes listed below using the methods indicated. Full accreditation is granted unless stated otherwise in a note. Accreditation for U.S. Environmental Protection Agency (EPA) "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" (SW-846) is for the latest version of the method. SM refers to "Standard Methods for the Examination of Water and Wastewater," 18th through 21st Editions and the Online Edition, unless otherwise indicated. ASTM is the American Society for Testing and Materials. Other references are described in notes.

Matrix/Analyte	Method	Notes
<b>Drinking Water</b>		
Alkalinity as CaCO <sub>3</sub>	SM 2320 B	1
Anionic Surfactants (MBAS)	SM 5540 C	1
Chloride	EPA 300.0	1,4
Color	SM 2120 B	1
Conductivity	SM 2510 B	1
Fluoride	EPA 300.0	1
Hardness (calc.)	SM 2340 B	1
Nitrate	EPA 300.0	1
Nitrate	SM 4500-NO <sub>3</sub> F	1
Nitrate-nitrite	EPA 300.0	1
Nitrate-nitrite	SM 4500-NO <sub>3</sub> F	1
Nitrite	EPA 300.0	1
Nitrite	SM 4500-NO <sub>3</sub> F	1
Orthophosphate as P	EPA 300.0	1
Perchlorate	EPA 331.0	1
Residue-filterable (TDS)	SM 2540 C	1
Sulfate	EPA 300.0	1
Total cyanide	EPA 335.4	1
Total Organic Carbon	SM 5310 B	7
Turbidity	EPA 180.1	1
Aluminum	EPA 200.7	
Aluminum	EPA 200.8	1

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Matrix/Analyte	Method	Notes
Antimony	EPA 200.8	1
Arsenic	EPA 200.8	1
Barium	EPA 200.7	1
Barium	EPA 200.8	1
Beryllium	EPA 200.7	1
Beryllium	EPA 200.8	1
Cadmium	EPA 200.7	1
Cadmium	EPA 200.8	1
Calcium	EPA 200.7	1
Chromium	EPA 200.7	1
Chromium	EPA 200.8	1
Copper	EPA 200.7	1
Copper	EPA 200.8	1
Iron	EPA 200.7	1
Iron	EPA 200.8	
Lead	EPA 200.8	1
Magnesium	EPA 200.7	1
Manganese	EPA 200.7	1
Manganese	EPA 200.8	1
Mercury	EPA 200.8	1
Mercury	EPA 245.7	1
Nickel	EPA 200.7	1
Nickel	EPA 200.8	1
Selenium	EPA 200.8	1
Silver	EPA 200.7	
Silver	EPA 200.8	1
Sodium	EPA 200.7	1
Sodium	SM 3111 B	1
Thallium	EPA 200.7	4
Thallium	EPA 200.8	1
Uranium	EPA 200.8	1
Zinc	EPA 200.7	
Zinc	EPA 200.8	1
Chlorinated Acid Herbicides	EPA 515.3	1
Diquat	EPA 549.2	1,4
EDB/DBCP/TCP	EPA 504.1	1

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Matrix/Analyte	Method	Notes
Glyphosate	EPA 547	1
Haloacetic Acids/Trichlorophenol	SM 6251 B	1
Organohalide Pesticides/PCBs	EPA 505	1
Oximes/Carbamates	EPA 531.1	1
Adipates/Phthalates	EPA 525.2	1
Endothall	EPA 548.1	1
Organic Compounds	EPA 525.2	1
Polycyclic Aromatic HC	EPA 525.2	1
Total trihalomethanes	EPA 524.2	1
Volatile Organic Compounds	EPA 524.2	1
Total Coli/Ecoli - detect	SM 9223 B Colilert	1
<b>Non-Potable Water</b>		
Alkalinity as CaCO3	SM 2320 B	1
Ammonia as N	SM 19/20 4500-NH3 G	1
Chloride	EPA 300.0	1
Conductivity	EPA 120.1	1
Fluoride	EPA 300.0	1
Hexane Extractable Material	EPA 1664	1
Kjeldahl nitrogen - total	SM 4500-Norg C	1
Nitrate	EPA 300.0	1
Nitrate	SM 4500-NO3 F	1
Nitrate-nitrite	EPA 300.0	1
Nitrate-nitrite	SM 4500-NO3 F	1
Nitrite	EPA 300.0	1
Nitrite	SM 4500-NO3 F	1
Orthophosphate as P	EPA 300.0	1
Orthophosphate as P	SM 4500-P F	1
Perchlorate	EPA 331.0	7
Perchlorate	EPA 6850	1
Phosphorus, total	SM 4500-P F	1
Residue-filterable (TDS)	SM 2540 C	1
Residue-nonfilterable (TSS)	SM 2540 D	1
Residue-volatile	EPA 160.4	
Sulfate	EPA 300.0	1
Total cyanide	EPA 335.4	1
Total Organic Carbon	SM 5310 B	7

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<b>Matrix/Analyte</b>	<b>Method</b>	<b>Notes</b>
Total phenolics	EPA 420.1	1
Total phenolics	SM 5530	
Turbidity	EPA 180.1	1
Aluminum	EPA 200.7	1
Aluminum	EPA 200.8	1
Antimony	EPA 1638	1
Antimony	EPA 200.7	1
Antimony	EPA 200.8	1
Arsenic	EPA 200.7	1
Arsenic	EPA 200.8	1
Barium	EPA 200.7	1
Barium	EPA 200.8	1
Beryllium	EPA 200.7	1
Beryllium	EPA 200.8	1
Boron	EPA 200.7	1
Cadmium	EPA 1638	1
Cadmium	EPA 200.7	1
Cadmium	EPA 200.8	1
Calcium	EPA 200.7	1
Calcium	EPA 200.8	
Chromium	EPA 200.7	1
Chromium	EPA 200.8	1
Cobalt	EPA 200.7	1,4
Cobalt	EPA 200.8	1
Copper	EPA 1638	1
Copper	EPA 200.7	1
Copper	EPA 200.8	1
Iron	EPA 200.7	1
Iron	EPA 200.8	
Lead	EPA 1638	1
Lead	EPA 200.7	1
Lead	EPA 200.8	1
Magnesium	EPA 200.7	1
Magnesium	EPA 200.8	
Manganese	EPA 200.7	1
Manganese	EPA 200.8	1

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Matrix/Analyte	Method	Notes
Mercury	EPA 1631	1
Mercury	EPA 200.8	1
Mercury	EPA 245.7	1
Molybdenum	EPA 200.7	1
Molybdenum	EPA 200.8	1
Nickel	EPA 1638	1,4
Nickel	EPA 200.7	1
Nickel	EPA 200.8	1
Potassium	EPA 200.7	1
Potassium	EPA 200.8	
Selenium	EPA 1638	1,4
Selenium	EPA 200.7	1
Selenium	EPA 200.8	1
Silver	EPA 1638	1
Silver	EPA 200.7	1
Silver	EPA 200.8	1
Sodium	EPA 200.7	1
Sodium	EPA 200.8	
Sodium	SM 3111 B	1
Strontium	EPA 200.8	
Thallium	EPA 1638	1
Thallium	EPA 200.7	1
Thallium	EPA 200.8	1
Tin	EPA 200.7	1
Tin	EPA 200.8	
Titanium	EPA 200.7	1,4
Titanium	EPA 200.8	
Uranium	EPA 200.8	1
Vanadium	EPA 200.7	1
Vanadium	EPA 200.8	1
Zinc	EPA 1638	1
Zinc	EPA 200.7	1
Zinc	EPA 200.8	1
Chlorinated Herbicides	EPA 615	1
Organochlorine Pesticides	EPA 608	1
Polychlorinated Biphenyls	EPA 608	1

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Matrix/Analyte	Method	Notes
BNA Extr (Semivolatile) Organics	EPA 625	1
Volatile Organic Compounds	EPA 624	1
<b>Solid and Chemical Materials</b>		
Ammonia as N	SM 19/20 4500-NH3 G	
Kjeldahl nitrogen - total	SM 4500-Norg C	
Nitrate	EPA 300.0	
Phosphorus, total	SM 4500-P F	
Total cyanide	EPA 335.4	
Total cyanide	SM 4500-CN E	
Total phenolics	EPA 420.1	
Aluminum	EPA 6010	
Aluminum	EPA 6020	
Antimony	EPA 6010	
Antimony	EPA 6020	
Arsenic	EPA 6010	
Arsenic	EPA 6020	
Barium	EPA 6010	
Barium	EPA 6020	
Beryllium	EPA 6010	
Beryllium	EPA 6020	
Boron	EPA 6010	
Boron	EPA 6020	
Cadmium	EPA 6010	
Cadmium	EPA 6020	
Calcium	EPA 6010	
Calcium	EPA 6020	
Chromium	EPA 6010	
Chromium	EPA 6020	
Cobalt	EPA 6010	
Cobalt	EPA 6020	
Copper	EPA 6010	
Copper	EPA 6020	
Iron	EPA 6010	
Iron	EPA 6020	
Lead	EPA 6010	
Lead	EPA 6020	

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<b>Matrix/Analyte</b>	<b>Method</b>	<b>Notes</b>
Magnesium	EPA 6010	
Magnesium	EPA 6020	
Manganese	EPA 6010	
Manganese	EPA 6020	
Mercury	EPA 6020	
Molybdenum	EPA 6010	
Molybdenum	EPA 6020	
Nickel	EPA 6010	
Nickel	EPA 6020	
Phosphorus, total	EPA 6010	
Potassium	EPA 6010	
Potassium	EPA 6020	
Selenium	EPA 6010	
Selenium	EPA 6020	
Silica as SiO <sub>2</sub>	EPA 6020	
Silver	EPA 6020	4
Sodium	EPA 6010	
Sodium	EPA 6020	
Strontium	EPA 6010	
Strontium	EPA 6020	
Thallium	EPA 6010	
Thallium	EPA 6020	
Tin	EPA 6010	
Tin	EPA 6020	
Titanium	EPA 6010	
Titanium	EPA 6020	
Vanadium	EPA 6010	
Vanadium	EPA 6020	
Zinc	EPA 6010	
Zinc	EPA 6020	
Chlorinated Herbicides	EPA 8151	
Methamphetamine	ALI SOP 602	6
Nitroaromatics & Nitramines	EPA 8330	5
Organochlorine Pesticides	EPA 8081	
Organophosphorus Pesticides	EPA 8141	4
Polychlorinated Biphenyls	EPA 8082	

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<b>Matrix/Analyte</b>	<b>Method</b>	<b>Notes</b>
BNA Extr (Semivolatile) Organics	EPA 8270	
Organophosphorus Pesticides	EPA 8270 Mod	3
Total Pet Hydrocarbons - Diesel	WDOE NWTPH-Dx	2
Total Pet Hydrocarbons - Gasoline	WDOE NWTPH-Gx	2
Volatile Organic Compounds	EPA 8260	

**Accredited Parameter Note Detail**

(1) Recognition of Florida Department of Health NELAP accreditation. (2) Analytical Methods for Petroleum Hydrocarbons, Publication No. ECY 97-602, June 1997. (3) Tributyl phosphate used for internal standard and normal 8270 surrogates used. (4) Provisional pending receipt of an acceptable PT result. (5) Accreditation is limited to water only. (6) Anatek Labs, Inc. SOP for determination of methamphetamine by HPLC-MS. (7) Interim pending on-site audit to verify lab capability.



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Authentication Signature



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Date

Stewart M. Lombard, Lab Accreditation Unit Supervisor