

The State of  
Department



Washington  
of Ecology

**Center for Laboratory Sciences  
Pasco, 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 July 14, 2011 and shall expire July 13, 2012.

Witnessed under my hand on July 29, 2011

Alan D. Rue  
Lab Accreditation Unit Supervisor

Laboratory ID  
C859

# WASHINGTON STATE DEPARTMENT OF ECOLOGY

## ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

### SCOPE OF ACCREDITATION

#### Center for Laboratory Sciences

#### Pasco, WA

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 EPA approved editions of "Standard Methods for the Examination of Water and Wastewater." ASTM is the American Society for Testing and Materials. Other references are described in notes.

Matrix/Analyte	Method	Notes
<b>Air</b>		
Beryllium	NIOSH 7303	2
Formaldehyde	EPA TO-11	2,3
Nitrosamines	NIOSH 2522	2
Polychlorinated Biphenyls	EPA TO-10A	1
Polychlorinated Biphenyls	NIOSH 5503	2
Polycyclic Aromatic Hydrocarbons (PAHs)	EPA TO-13A	1
Volatile Organic Compounds	EPA TO-14A	1,3
Volatile Organic Compounds	EPA TO-15	1,3
Volatile Organic Compounds	EPA TO-17	1,3
<b>Drinking Water</b>		
Alkalinity as CaCO <sub>3</sub>	SM 2320 B	1
Chloride	EPA 300.0	1
Chlorine (Residual), Free	SM 4500-Cl G	1
Chlorine (Residual), Total	SM 4500-Cl G	1
Conductivity	SM 2510 B	1,3
Fluoride	EPA 300.0	1
Hardness (calc.)	SM 2340 B	1
Nitrate	EPA 300.0	1
Nitrite	EPA 300.0	1,3
Nitrite	SM 4500-NO <sub>2</sub> B	1
Orthophosphate	SM 4500-P E	1

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<b>Matrix/Analyte</b>	<b>Method</b>	<b>Notes</b>
Orthophosphate as P	EPA 300.0	1
pH	SM 4500-H	1
Residue-filterable (TDS)	SM 2540 C	
Sulfate	EPA 300.0	1
Turbidity	EPA 180.1	3
Turbidity	SM 2130 B	1,3
Aluminum	EPA 200.8	1
Antimony	EPA 200.8	1
Arsenic	EPA 200.8	1
Barium	EPA 200.8	1
Beryllium	EPA 200.8	1
Cadmium	EPA 200.8	1
Calcium	EPA 200.7	1
Chromium	EPA 200.8	1
Copper	EPA 200.8	1
Lead	EPA 200.8	1
Magnesium	EPA 200.7	1
Manganese	EPA 200.8	1
Mercury	EPA 200.8	
Nickel	EPA 200.8	1
Selenium	EPA 200.8	1
Silver	EPA 200.8	1
Sodium	EPA 200.7	1
Thallium	EPA 200.8	1
Regulated VOCs	EPA 524.2	1,4
Unregulated VOCs	EPA 524.2	1
Volatile Organic Compounds	EPA 524.2	1,4
<b>Non-Potable Water</b>		
Acidity, as CaCO <sub>3</sub>	SM 2310 B	
Adsorbable organic halogens (AOX)	EPA 1650	
Alkalinity	EPA 310.1	1
Alkalinity as CaCO <sub>3</sub>	SM 2320 B	
Chemical Oxygen Demand (COD)	SM 5220 D	1
Chloride	EPA 300.0	1
Chlorine (Residual), Total	SM 4500-Cl G	1

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Matrix/Analyte	Method	Notes
Color	SM 2120 B	1,3
Conductivity	EPA 120.1	1,3
Fluoride	EPA 300.0	1
Hardness (calc.)	SM 2340 B	
Nitrate	EPA 300.0	1
Nitrate-nitrite	EPA 300.0	1
Nitrite	EPA 300.0	1
Nitrite	SM 4500-NO2 B	1
Orthophosphate as P	EPA 300.0	
pH	SM 4500-H	1
Residue-filterable (TDS)	SM 2540 C	1
Residue-nonfilterable (TSS)	SM 2540 D	1,3
Residue-total	SM 2540 B	1,3
Residue-volatile	EPA 160.4	
Specific Conductance	SM 2510 B	1,3
Sulfate	EPA 300.0	1
Turbidity	EPA 180.1	1,3
Turbidity	SM 2130 B	1,3
Aluminum	EPA 200.8	1
Antimony	EPA 200.7	1,3
Antimony	EPA 200.8	1
Arsenic	EPA 200.7	1,3
Arsenic	EPA 200.8	1
Barium	EPA 200.7	1
Barium	EPA 200.8	1
Beryllium	EPA 200.7	1,3
Beryllium	EPA 200.8	
Cadmium	EPA 200.7	1,3
Cadmium	EPA 200.8	1
Chromium	EPA 200.8	1
Cobalt	EPA 200.7	1,3
Cobalt	EPA 200.8	1,3
Copper	EPA 200.7	1
Copper	EPA 200.8	1
Hardness, Total (as CaCO3)	EPA 200.7	1
Iron	EPA 200.7	1,3

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<b>Matrix/Analyte</b>	<b>Method</b>	<b>Notes</b>
Lead	EPA 200.8	1
Manganese	EPA 200.7	1
Manganese	EPA 200.8	1
Mercury	EPA 200.8	1
Molybdenum	EPA 200.7	1,3
Molybdenum	EPA 200.8	1
Nickel	EPA 200.7	1
Nickel	EPA 200.8	1
Selenium	EPA 200.7	1,3
Selenium	EPA 200.8	1
Silica as SiO <sub>2</sub>	EPA 200.8	
Silver	EPA 200.7	1
Silver	EPA 200.8	1
Strontium	EPA 200.7	1,3
Strontium	EPA 200.8	1,3
Thallium	EPA 200.7	1,3
Thallium	EPA 200.8	1
Thorium	EPA 200.8	
Tin	EPA 200.7	1,3
Titanium	EPA 200.7	1,3
Vanadium	EPA 200.8	1,3
Zinc	EPA 200.7	1
Zinc	EPA 200.8	1
Aldehydes/Alcohols/Ketones	NCASI DI/HAPS-99.01	
Methanol	NCASI 94.03	
Methanol	NCASI 99.01	
Organochlorine Pesticides	EPA 608	1
Polychlorinated Biphenyls	EPA 608	1,3
BNA Extr (Semivolatile) Organics	EPA 625	1
Chlorinated Phenolics	EPA 1653	1
Polycyclic Aromatic HC	EPA 625	1
Volatile Organic Compounds	EPA 624	1,3
<b>Solid and Chemical Materials</b>		
Hardness (calc.)	SM 2340 B	
Nitrate-nitrite	EPA 9056	

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Matrix/Analyte	Method	Notes
Nitrite	EPA 9056	
pH	EPA 9040	1,3
Antimony	EPA 6010	1,3
Antimony	EPA 6020	1,3
Arsenic	EPA 6010	1,3
Arsenic	EPA 6020	1,3
Barium	EPA 6020	1,3
Beryllium	EPA 6010	1,3
Beryllium	EPA 6020	1,3
Cadmium	EPA 6010	1,3
Cadmium	EPA 6020	1,3
Chromium	EPA 6010	1,3
Chromium	EPA 6020	1,3
Cobalt	EPA 6020	1,3
Copper	EPA 6010	1,3
Lead	EPA 6020	1,3
Magnesium	EPA 6010	1,3
Manganese	EPA 6020	1,3
Molybdenum	EPA 6010	1,3
Molybdenum	EPA 6020	1,3
Nickel	EPA 6010	1,3
Nickel	EPA 6020	1,3
Potassium	EPA 6010	1,3
Selenium	EPA 6010	1,3
Selenium	EPA 6020	1,3
Silica as SiO <sub>2</sub>	EPA 6020	
Silver	EPA 6020	1,3
Strontium	EPA 6010	1,3
Thorium	EPA 6020	1
Tin	EPA 6010	1,3
Vanadium	EPA 6010	1,3
Vanadium	EPA 6020	1,3
Zinc	EPA 6020	1,3
Polychlorinated Biphenyls	EPA 8082	1,3
BNA Extr (Semivolatile) Organics	EPA 8270	1
Polycyclic Aromatic HC	EPA 8270	1

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Matrix/Analyte	Method	Notes
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**Accredited Parameter Note Detail**

(1) Accreditation based in part on recognition of New York Dept. of Health NELAP accreditation. (2) Accreditation based in part on recognition of AIHA accreditation. (3) Provisional accreditation pending submittal of additional, acceptable Proficiency Testing (PT) results (WAC 173-50-110).(4) Provisional accreditation for Trihalomethanes and Vinyl Chloride pending submittal of additional, acceptable Proficiency Testing (PT) results (WAC 173-50-110) no later than September 30, 2011.



7/29/2011

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Authentication Signature  
Alan D. Rue, Lab Accreditation Unit Supervisor

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Date