



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
PO Box 488 • Manchester, WA 98353-0488 • (360) 871-8840

June 08, 2017

Mr. Dave Wunderlich
Eurofins Frontier Global Sciences
11720 North Creek Parkway North, Suite 400
Bothell, WA 98011

Dear Mr. Wunderlich:

Thank you for your application for renewal in the Environmental Laboratory Accreditation Program. Attached is a new Certificate of Accreditation covering the one-year period beginning July 14, 2017 and a current Scope of Accreditation.

Please note the following:

Two acceptable PT results should be submitted over the current accreditation cycle (July 14, 2017 to July 13, 2018), due to a recent PT failure for the following parameters:

Mercury by EPA Method 1631E-02, in Non-Potable Water
Mercury by FGS-069, in Non-Potable Water

The following parameters are now listed on your Louisiana NELAP scope, so they have been changed from Primary Accreditation with WA, to accreditation with recognition of Louisiana NELAP accreditation:

Aluminum by EPA Method 1638_1996, in Solid and Chemical Materials
Cobalt by EPA Method 1640, in Non-Potable Water
Boron by EPA Method 200.8_5.4_1994, in Non-Potable Water
Chromium, Hexavalent by EPA Method 7196A_1_1992, in Solid and Chemical Materials

The following parameter has been voluntarily withdrawn at your request:

Mercury by FGS MDN-05, in Non-Potable Water

Based on your laboratory's two most recent sets of PT Study results, full accreditation is warranted for all applicable parameters. As a reminder, continued participation in the Ecology Lab Accreditation Program requires the lab to:

- Submit a renewal application and fees annually
- Report significant changes in facility, personnel, analytical methods, equipment, the lab's quality assurance (QA) manual or QA procedures as they occur
- **Participate in proficiency testing studies semi-annually, with the following exception: For each parameter where all PT results were satisfactory, you are required to submit only one PT result over this next year, and in subsequent years, as long as the results are satisfactory.**
- Submit copies of current third-party Scopes of Accreditation when they are available.

If you have any questions concerning the accreditation of your lab, please contact Rebecca Wood at (360) 871-8811, fax (360) 871-8849, or by e-mail at rewo461@ecy.wa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Alan D. Rue', with a stylized, cursive script.

Alan D. Rue
Lab Accreditation Unit Supervisor

AR:RW:rw
Attachments

The State of
Department



Washington
of Ecology

**Eurofins Frontier Global Sciences
Bothell, 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, 2017 and shall expire July 13, 2018.

Witnessed under my hand on June 8, 2017

Alan D. Rue
Lab Accreditation Unit Supervisor

Laboratory ID
C788

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

SCOPE OF ACCREDITATION

Eurofins Frontier Global Sciences

Bothell, 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
Air		
Mercury	EPA 1631B	
Mercury	EPA 7473_(2/07)	6
Mercury	FGS-136	2,5
Non-Potable Water		
Hardness (calc.)	SM 2340 B-97	
Chromium, Hexavalent	SM 3500-Cr B-09	2,4
Methyl Mercury	EPA 1630	2
Mercury	EPA 1631 E-02	2
Arsenic	EPA 1632 1996	2
Arsenic (III)	EPA 1632 1996	
Arsenic (V)	EPA 1632 1996	
Aluminum	EPA 1638_1996	2
Antimony	EPA 1638_1996	2
Arsenic	EPA 1638_1996	2
Barium	EPA 1638_1996	2
Beryllium	EPA 1638_1996	2
Boron	EPA 1638_1996	2
Cadmium	EPA 1638_1996	2
Calcium	EPA 1638_1996	2
Chromium	EPA 1638_1996	2
Cobalt	EPA 1638_1996	2
Copper	EPA 1638_1996	2

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Matrix/Analyte	Method	Notes
Iron	EPA 1638_1996	2
Lead	EPA 1638_1996	2
Magnesium	EPA 1638_1996	2
Manganese	EPA 1638_1996	2
Molybdenum	EPA 1638_1996	2
Nickel	EPA 1638_1996	2
Potassium	EPA 1638_1996	2
Selenium	EPA 1638_1996	2
Silver	EPA 1638_1996	2
Sodium	EPA 1638_1996	2
Strontium	EPA 1638_1996	2
Thallium	EPA 1638_1996	2
Tin	EPA 1638_1996	2
Titanium	EPA 1638_1996	2
Vanadium	EPA 1638_1996	2
Zinc	EPA 1638_1996	2
Arsenic	EPA 1640	2
Cadmium	EPA 1640	2
Chromium	EPA 1640	2
Cobalt	EPA 1640	2
Copper	EPA 1640	2
Lead	EPA 1640	2
Nickel	EPA 1640	2
Silver	EPA 1640	2
Zinc	EPA 1640	2
Aluminum	EPA 200.8_5.4_1994	2
Antimony	EPA 200.8_5.4_1994	2
Arsenic	EPA 200.8_5.4_1994	2
Barium	EPA 200.8_5.4_1994	2
Beryllium	EPA 200.8_5.4_1994	2
Boron	EPA 200.8_5.4_1994	2
Cadmium	EPA 200.8_5.4_1994	2
Chromium	EPA 200.8_5.4_1994	2
Cobalt	EPA 200.8_5.4_1994	2
Copper	EPA 200.8_5.4_1994	2
Iron	EPA 200.8_5.4_1994	2

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Matrix/Analyte	Method	Notes
Lead	EPA 200.8_5.4_1994	2
Magnesium	EPA 200.8_5.4_1994	2
Manganese	EPA 200.8_5.4_1994	2
Molybdenum	EPA 200.8_5.4_1994	2
Nickel	EPA 200.8_5.4_1994	2
Potassium	EPA 200.8_5.4_1994	2
Selenium	EPA 200.8_5.4_1994	2
Silver	EPA 200.8_5.4_1994	2
Sodium	EPA 200.8_5.4_1994	2
Strontium	EPA 200.8_5.4_1994	2
Thallium	EPA 200.8_5.4_1994	2
Titanium	EPA 200.8_5.4_1994	2
Vanadium	EPA 200.8_5.4_1994	2
Zinc	EPA 200.8_5.4_1994	2
Aluminum	FGS-054	2
Antimony	FGS-054	2
Arsenic	FGS-054	2
Barium	FGS-054	2
Beryllium	FGS-054	2
Boron	FGS-054	2
Cadmium	FGS-054	2
Calcium	FGS-054	2
Chromium	FGS-054	2
Cobalt	FGS-054	2
Copper	FGS-054	2
Iron	FGS-054	2
Lead	FGS-054	2
Magnesium	FGS-054	2
Manganese	FGS-054	2
Molybdenum	FGS-054	2
Nickel	FGS-054	2
Potassium	FGS-054	2
Selenium	FGS-054	2
Silver	FGS-054	2
Sodium	FGS-054	2
Strontium	FGS-054	2

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Matrix/Analyte	Method	Notes
Thallium	FGS-054	2
Tin	FGS-054	2
Titanium	FGS-054	2
Vanadium	FGS-054	2
Zinc	FGS-054	2
Mercury	FGS-069	2
Methyl Mercury	FGS-070	2
Solid and Chemical Materials		
Chromium, Hexavalent	EPA 7196A_1_1992	2,4
Mercury	EPA 1631B	2
Aluminum	EPA 1638_1996	2
Antimony	EPA 1638_1996	2
Arsenic	EPA 1638_1996	2
Barium	EPA 1638_1996	2
Beryllium	EPA 1638_1996	2
Boron	EPA 1638_1996	2
Cadmium	EPA 1638_1996	2
Calcium	EPA 1638_1996	2
Chromium	EPA 1638_1996	2
Cobalt	EPA 1638_1996	2
Copper	EPA 1638_1996	2
Iron	EPA 1638_1996	2
Lead	EPA 1638_1996	2
Magnesium	EPA 1638_1996	2
Manganese	EPA 1638_1996	2
Molybdenum	EPA 1638_1996	2
Nickel	EPA 1638_1996	2
Potassium	EPA 1638_1996	2
Selenium	EPA 1638_1996	2
Silver	EPA 1638_1996	2
Sodium	EPA 1638_1996	2
Strontium	EPA 1638_1996	2
Thallium	EPA 1638_1996	2
Tin	EPA 1638_1996	2
Vanadium	EPA 1638_1996	2
Zinc	EPA 1638_1996	2

Washington State Department of Ecology

Laboratory Accreditation Unit

Effective Date: 7/14/2017

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Scope of Accreditation Report for Eurofins Frontier Global Sciences

Scope Expires: 7/13/2018

C788-17

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Matrix/Analyte	Method	Notes
Arsenic	EPA 7062	1, 3
Mercury	EPA 7473_(2/07)	6
Aluminum	FGS-054	2
Antimony	FGS-054	2
Arsenic	FGS-054	2
Barium	FGS-054	2
Beryllium	FGS-054	2
Boron	FGS-054	2
Cadmium	FGS-054	2
Calcium	FGS-054	2
Chromium	FGS-054	2
Cobalt	FGS-054	2
Copper	FGS-054	2
Iron	FGS-054	2
Lead	FGS-054	2
Magnesium	FGS-054	2
Manganese	FGS-054	2
Molybdenum	FGS-054	2
Nickel	FGS-054	2
Potassium	FGS-054	2
Selenium	FGS-054	2
Silver	FGS-054	2
Sodium	FGS-054	2
Strontium	FGS-054	2
Thallium	FGS-054	2
Tin	FGS-054	2
Titanium	FGS-054	2
Vanadium	FGS-054	2
Zinc	FGS-054	2
Mercury	FGS-069	2
Methyl Mercury	FGS-070	2

Matrix/Analyte	Method	Notes
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Accredited Parameter Note Detail

(1) Accreditation is limited to liquid samples only. (2) Accreditation based in part on recognition of Louisiana NELAP accreditation. (3) Accreditation also includes FGS-059, which is the laboratory modification of EPA 7062. (4) Accreditation also includes FGS-060, which is the laboratory modification of SM 3500-Cr B. (5) Includes accreditation for EPA Method PS-12B and EPA Method 30-B. (6) Modified per FGS-153; direct thermal desorption AA (excluding gold amalgamation).



06/08/2017

Authentication Signature

Date

Alan D. Rue, Lab Accreditation Unit Supervisor