



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

July 12, 2019

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

Dear Dave Wunderlich:

Thank you for your application for renewal in the Environmental Laboratory Accreditation Program. Attached is a Certificate of Accreditation covering the one-year period beginning July 14, 2019 and a current Scope of Accreditation.

Your WA Laboratory accreditation is based in part on your Louisiana NELAP accreditation.

The following parameters have been withdrawn at your request:

Hexavalent Chromium by EPA Method 7196A_1_1992, in Solid and Chemical Materials
Mercury by EPA Method 7473_(2/07), in Solid and Chemical Materials
Mercury by EPA Method 7473_(2/07), in Air

Accreditation for Hardness by SM 2340B-2011 has been denied pending update of your Louisiana NELAP scope to the 2011 method version, in compliance with the Clean Water Act 40CFR136.3.

Two acceptable PT results will be required for the following parameter, prior to your next renewal, in order to maintain accreditation in good standing, due to a previous PT failure:

Arsenic by EPA Method 7062, in Solid and Chemical Materials

Renewal of accreditation is based in part on review of your lab's performance over the past year as evidenced by participation in proficiency testing (PT) studies. In general, full accreditation is awarded for those parameters for which the two most recent PT results, if applicable, were rated satisfactory. Provisional accreditation is awarded if the latest of the two most recent PT results was rated "Not Acceptable" or only one PT result was submitted during the past twelve months. Accreditation is withheld for those parameters for which the two most recent PT results were rated "Not Acceptable" or no PT results were submitted during the past twelve-months.

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.

YOUR RIGHT TO APPEAL

You have a right to appeal Ecology's decision to the Pollution Control Hearing Board (PCHB) within 30 days of the date of receipt of this decision letter. The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal you must do the following within 30 days of the date of receipt of this decision:

- File your appeal and a copy of this decision with the PCHB (see addresses below). Filing means actual receipt by the PCHB during regular business hours.
- Serve a copy of your appeal and this decision on Ecology in paper form - by mail or in person. (See addresses below.) E-mail is not accepted.


You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

ADDRESS AND LOCATION INFORMATION

Street Addresses	Mailing Addresses
<p>Department of Ecology Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503</p> <p>Pollution Control Hearings Board 1111 Israel Road SW STE 301 Tumwater, WA 98501</p>	<p>Department of Ecology Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608</p> <p>Pollution Control Hearings Board PO Box 40903 Olympia, WA 98504-0903</p>

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 rebecca.wood@ecy.wa.gov.

Sincerely,



Rebecca Wood
Acting Lab Accreditation Unit Supervisor

RW:RW:rw
Enclosures

The State of
Department



Washington
of Ecology

Eurofins Frontier Global Sciences, LLC
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, 2019 and shall expire July 13, 2020.

Witnessed under my hand on July 12, 2019

Rebecca Wood
Lab Accreditation Unit Supervisor

Laboratory ID
C788

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

SCOPE OF ACCREDITATION

Eurofins Frontier Global Sciences, LLC

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." 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
<i>Air</i>		
Mercury	EPA 1631B	
Mercury	FGS-136	2,5
<i>Non-Potable Water</i>		
Chromium, Hexavalent	SM 3500-Cr B-2011	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
Iron	EPA 1638_1996	2

Matrix/Analyte	Method	Notes
<i>Non-Potable Water</i>		
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

Matrix/Analyte	Method	Notes
<i>Non-Potable Water</i>		
Cobalt	EPA 200.8_5.4_1994	2
Copper	EPA 200.8_5.4_1994	2
Iron	EPA 200.8_5.4_1994	2
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

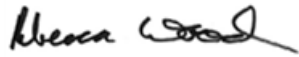
Matrix/Analyte	Method	Notes
<i>Non-Potable Water</i>		
Manganese	FGS-054	2
Molybdenum	FGS-054	2
Nickel	FGS-054	2
Potassium	FGS-054	2
Selenium	FGS-054	2
Silver	FGS-054	2
Sodium	FGS-054	2
Strontium	FGS-054	2
Thallium	FGS-054	2
Tin	FGS-054	2
Titanium	FGS-054	2
Vanadium	FGS-054	2
Zinc	FGS-054	2
Mercury	FGS-069	2
Methyl Mercury	FGS-070	2
<i>Solid and Chemical Materials</i>		
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

Matrix/Analyte	Method	Notes
<i>Solid and Chemical Materials</i>		
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
Arsenic	EPA 7062	1, 3
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

Matrix/Analyte	Method	Notes
<i>Solid and Chemical Materials</i>		
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

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.



Authentication Signature
Rebecca Wood, Lab Accreditation Unit Supervisor

07/12/2019

Date