



STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

PO Box 488 • Manchester, WA 98353-0488 • (360) 871-8840

June 30, 2023

Heather Ann Joy Quilal-lan
Advanced Environmental Laboratories, Inc.- Jacksonville
6681 Southpoint Parkway
Jacksonville, FL 32216

Dear Heather Ann Joy Quilal-lan:

Your request to add EPA 537.1 in drinking water to your WA scope of accreditation has been processed. Your revised scope is effective July 1, 2023.

Thank you for submitting the required supporting documentation:

Florida accreditation scope

PT WS-R35082 3/1/23

PT WS-030923T 3/16/23

PT WS-0423 5/25/23

Accreditation is based on third party recognition of the Labs Florida scope.

Accreditation is based in part on the Labs performance in the past twelve months in Performance Test (PT) studies.

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 required PT were analyzed and all 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.**

If you have any questions concerning the accreditation of your lab, please contact Kamilee Ginder by e-mail at kamilee.ginder@ecy.wa.gov.

Sincerely,

A handwritten signature in black ink that reads "Rebecca Wood".

Rebecca Wood
Lab Accreditation Unit Supervisor

RW:KG:kg
Enclosures

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

SCOPE OF ACCREDITATION

Advanced Environmental Laboratories, Inc.- Jacksonville

Jacksonville, FL

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
Drinking Water		
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	EPA 533	1
1H,1H,2H,2H,-Perfluorodecanesulfonic acid (8:2 FTS)	EPA 533	1
1H,1H,2H,2H,-Perfluorooctanesulfonic acid (6:2 FTS)	EPA 533	1
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	EPA 533	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 533	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	EPA 533	1
Hexafluoropropylene oxide dimer acid (HFPO-DA)	EPA 533	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	EPA 533	1
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	EPA 533	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	EPA 533	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA 533	1
Perfluorobutane sulfonic acid (PFBS)	EPA 533	1
Perfluorobutanoic acid (PFBA)	EPA 533	1
Perfluorodecanoic acid (PFDA)	EPA 533	1
Perfluorododecanoic acid (PFDoA)	EPA 533	1
Perfluoroheptane sulfonic acid (PFHpS)	EPA 533	1
Perfluoroheptanoic acid (PFHpA)	EPA 533	1
Perfluorohexane sulfonic acid (PFHxS)	EPA 533	1
Perfluorohexanoic acid (PFHxA)	EPA 533	1
Perfluorononanoic acid (PFNA)	EPA 533	1
Perfluorooctane sulfonic acid (PFOS)	EPA 533	1
Perfluorooctanoic acid (PFOA)	EPA 533	1
Perfluoropentane sulfonic acid (PFPeS)	EPA 533	1
Perfluoropentanoic acid (PFPeA)	EPA 533	1
Perfluoroundecanoic acid (PFUnA)	EPA 533	1
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	EPA 537.1 revision 2 (3/20)	1

Washington State Department of Ecology

Effective Date: 7/1/2023

Scope of Accreditation Report for Advanced Environmental Laboratories, Inc.- Jacksonville

C1083-23b

Laboratory Accreditation Unit

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Scope Expires: 3/5/2024

Advanced Environmental Laboratories, Inc.- Jacksonville

Matrix/Analyte	Method	Notes
Drinking Water		
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 537.1 revision 2 (3/20)	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	EPA 537.1 revision 2 (3/20)	1
Hexafluoropropylene oxide dimer acid (HFPO-DA)	EPA 537.1 revision 2 (3/20)	1
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	EPA 537.1 revision 2 (3/20)	1
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	EPA 537.1 revision 2 (3/20)	1
Perfluorobutane sulfonic acid (PFBS)	EPA 537.1 revision 2 (3/20)	1
Perfluorodecanoic acid (PFDA)	EPA 537.1 revision 2 (3/20)	1
Perfluorododecanoic acid (PFDoA)	EPA 537.1 revision 2 (3/20)	1
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 revision 2 (3/20)	1
Perfluorohexane sulfonic acid (PFHxS)	EPA 537.1 revision 2 (3/20)	1
Perfluorohexanoic acid (PFHxA)	EPA 537.1 revision 2 (3/20)	1
Perfluorononanoic acid (PFNA)	EPA 537.1 revision 2 (3/20)	1
Perfluorooctane sulfonic acid (PFOS)	EPA 537.1 revision 2 (3/20)	1
Perfluorooctanoic acid (PFOA)	EPA 537.1 revision 2 (3/20)	1
Perfluorotetradecanoic acid (PFTeDA)	EPA 537.1 revision 2 (3/20)	1
Perfluorotridecanoic acid (PFTrDA)	EPA 537.1 revision 2 (3/20)	1
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 revision 2 (3/20)	1
Non-Potable Water		
Total Organic Carbon	EPA 415.1_1974	1,2
pH	SM 4500-H+ B-2011	1
Total Organic Carbon	SM 5310 C-2014	1
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	EPA 1633 2nd Draft	1
1H,1H,2H,2H,-Perfluorodecanesulfonic acid (8:2 FTS)	EPA 1633 2nd Draft	1
1H,1H,2H,2H,-Perfluorooctanesulfonic acid (6:2 FTS)	EPA 1633 2nd Draft	1
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	EPA 1633 2nd Draft	1
2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA)	EPA 1633 2nd Draft	1
2H,2H,3H,3H-Perfluoro-octanoic Acid (5:3 FTCA)	EPA 1633 2nd Draft	1
4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA)	EPA 1633 2nd Draft	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 1633 2nd Draft	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	EPA 1633 2nd Draft	1
Hexafluoropropylene oxide dimer acid (HFPO-DA)	EPA 1633 2nd Draft	1
N-Ethylperfluorooctane sulfonamide (EtFOSA)	EPA 1633 2nd Draft	1
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	EPA 1633 2nd Draft	1
N-Ethylperfluorooctanesulfonamidoethanol (EtFOSE)	EPA 1633 2nd Draft	1
N-Methylperfluorooctane sulfonamide (MeFOSA)	EPA 1633 2nd Draft	1
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	EPA 1633 2nd Draft	1
N-Methylperfluorooctanesulfonamidoethanol (MeFOSE)	EPA 1633 2nd Draft	1

Advanced Environmental Laboratories, Inc.- Jacksonville

Matrix/Analyte	Method	Notes
Non-Potable Water		
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	EPA 1633 2nd Draft	1
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	EPA 1633 2nd Draft	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	EPA 1633 2nd Draft	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA 1633 2nd Draft	1
Perfluorobutane sulfonic acid (PFBS)	EPA 1633 2nd Draft	1
Perfluorobutanoic acid (PFBA)	EPA 1633 2nd Draft	1
Perfluorodecane sulfonic acid (PFDS)	EPA 1633 2nd Draft	1
Perfluorodecanoic acid (PFDA)	EPA 1633 2nd Draft	1
Perfluorododecane sulfonic acid (PFDoS)	EPA 1633 2nd Draft	1
Perfluorododecanoic acid (PFDoA)	EPA 1633 2nd Draft	1
Perfluoroheptane sulfonic acid (PFHpS)	EPA 1633 2nd Draft	1
Perfluoroheptanoic acid (PFHpA)	EPA 1633 2nd Draft	1
Perfluorohexane sulfonic acid (PFHxS)	EPA 1633 2nd Draft	1
Perfluorohexanoic acid (PFHxA)	EPA 1633 2nd Draft	1
Perfluorononane sulfonic acid (PFNS)	EPA 1633 2nd Draft	1
Perfluorononanoic acid (PFNA)	EPA 1633 2nd Draft	1
Perfluorooctane sulfonamide (PFOSA)	EPA 1633 2nd Draft	1
Perfluorooctane sulfonic acid (PFOS)	EPA 1633 2nd Draft	1
Perfluorooctanoic acid (PFOA)	EPA 1633 2nd Draft	1
Perfluoropentane sulfonic acid (PFPeS)	EPA 1633 2nd Draft	1
Perfluoropentanoic acid (PFPeA)	EPA 1633 2nd Draft	1
Perfluorotetradecanoic acid (PFTeDA)	EPA 1633 2nd Draft	1
Perfluorotridecanoic acid (PFTrDA)	EPA 1633 2nd Draft	1
Perfluoroundecanoic acid (PFUnA)	EPA 1633 2nd Draft	1
Solid and Chemical Materials		
pH	EPA 9045 D_2004	1
Total Organic Carbon	EPA 9060A	1
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	EPA 1633 2nd Draft	1
1H,1H,2H,2H,-Perfluorodecanesulfonic acid (8:2 FTS)	EPA 1633 2nd Draft	1
1H,1H,2H,2H,-Perfluorooctanesulfonic acid (6:2 FTS)	EPA 1633 2nd Draft	1
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	EPA 1633 2nd Draft	1
2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA)	EPA 1633 2nd Draft	1
2H,2H,3H,3H-Perfluoro-octanoic Acid (5:3 FTCA)	EPA 1633 2nd Draft	1
4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA)	EPA 1633 2nd Draft	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 1633 2nd Draft	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	EPA 1633 2nd Draft	1
Hexafluoropropylene oxide dimer acid (HFPO-DA)	EPA 1633 2nd Draft	1

Washington State Department of Ecology

Effective Date: 7/1/2023

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Scope Expires: 3/5/2024

Advanced Environmental Laboratories, Inc.- Jacksonville

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
N-Ethylperfluorooctane sulfonamide (EtFOSA)	EPA 1633 2nd Draft	1
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	EPA 1633 2nd Draft	1
N-Ethylperfluorooctanesulfonamidoethanol (EtFOSE)	EPA 1633 2nd Draft	1
N-Methylperfluorooctane sulfonamide (MeFOSA)	EPA 1633 2nd Draft	1
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	EPA 1633 2nd Draft	1
N-Methylperfluorooctanesulfonamido ethanol (MeFOSE)	EPA 1633 2nd Draft	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	EPA 1633 2nd Draft	1
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Perfluorododecanoic acid (PFDoA)	EPA 1633 2nd Draft	1
Perfluoroheptane sulfonic acid (PFHpS)	EPA 1633 2nd Draft	1
Perfluoroheptanoic acid (PFHpA)	EPA 1633 2nd Draft	1
Perfluorohexane sulfonic acid (PFHxS)	EPA 1633 2nd Draft	1
Perfluorohexanoic acid (PFHxA)	EPA 1633 2nd Draft	1
Perfluorononane sulfonic acid (PFNS)	EPA 1633 2nd Draft	1
Perfluorononanoic acid (PFNA)	EPA 1633 2nd Draft	1
Perfluorooctane sulfonamide (PFOSA)	EPA 1633 2nd Draft	1
Perfluorooctane sulfonic acid (PFOS)	EPA 1633 2nd Draft	1
Perfluorooctanoic acid (PFOA)	EPA 1633 2nd Draft	1
Perfluoropentane sulfonic acid (PFPeS)	EPA 1633 2nd Draft	1
Perfluoropentanoic acid (PFPeA)	EPA 1633 2nd Draft	1
Perfluorotetradecanoic acid (PFTeDA)	EPA 1633 2nd Draft	1
Perfluorotridecanoic acid (PFTrDA)	EPA 1633 2nd Draft	1
Perfluoroundecanoic acid (PFUnA)	EPA 1633 2nd Draft	1

Matrix/Analyte	Method	Notes
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Accredited Parameter Note Detail

1) Accreditation based in part on recognition of Florida NELAP accreditation. 2) Method not approved for NPDES testing.



06/30/2023

Authentication Signature
Rebecca Wood, Lab Accreditation Unit Supervisor

Date