



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Eurofins Sacramento
880 Riverside Parkway
West Sacramento, CA 95605

Fulfills the requirements of

ISO/IEC 17025:2017

and

TNI Laboratory Accreditation Standard (EL-V1-2016)

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

Jason Stine, Vice President

Expiry Date: 20 January 2027

Certificate Number: L2468.02



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory
quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

and

TNI Laboratory Accreditation Standard (EL-V1-2016)

Eurofins Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Robert Hrabak
916-374-4433

TESTING

Valid to: **January 20, 2027**

Certificate Number: **L2468.02**

Environmental

Non-Potable Water		
Technology	Specification, Standard, Method, or Test Technique	Analyte
Raman	SWB-MP2-rev 1 WS-MIC-001	Microplastics ≤ 500 um - >212 um
Raman	SWB-MP2-rev 1 WS-MIC-001	Microplastics ≤ 212 um - >20 um
Probe	EPA 9040B/9040C / SM4500 H+B-2011	pH
Probe	EPA 120.1 / SM 2510B-2011	Specific Conductance
Spectrophotometric	EPA 180.1 / SM 2130B-2011	Turbidity
Ion Chromatography	EPA 9056/9056A/300.0	Fluoride
Gravimetric	SM 2540C- 2015	Solids, Total Dissolved (Residue, Filterable (TDS))
Gravimetric	SM 2540D-2015	Solids, Total Suspended (Residue, Non-Filterable (TSS))
GC/HRMS	EPA 8290/8290A/1613B	2,3,7,8-TCDD
GC/HRMS	EPA 8290/8290A/1613B	1,2,3,7,8-PeCDD
GC/HRMS	EPA 8290/8290A/1613B	1,2,3,4,7,8-HxCDD
GC/HRMS	EPA 8290/8290A/1613B	1,2,3,6,7,8-HxCDD
GC/HRMS	EPA 8290/8290A/1613B	1,2,3,7,8,9-HxCDD
GC/HRMS	EPA 8290/8290A/1613B	1,2,3,4,6,7,8-HpCDD
GC/HRMS	EPA 8290/8290A/1613B	OCDD
GC/HRMS	EPA 8290/8290A/1613B	2,3,7,8-TeCDF
GC/HRMS	EPA 8290/8290A/1613B	1,2,3,7,8-PeCDF

Non-Potable Water		
Technology	Specification, Standard, Method, or Test Technique	Analyte
GC/HRMS	EPA 8290/8290A/1613B	2,3,4,7,8-PeCDF
GC/HRMS	EPA 8290/8290A/1613B	1,2,3,4,7,8-HxCDF
GC/HRMS	EPA 8290/8290A/1613B	1,2,3,6,7,8-HxCDF
GC/HRMS	EPA 8290/8290A/1613B	1,2,3,7,8,9-HxCDF
GC/HRMS	EPA 8290/8290A/1613B	2,3,4,6,7,8-HxCDF
GC/HRMS	EPA 8290/8290A/1613B	1,2,3,4,6,7,8-HpCDF
GC/HRMS	EPA 8290/8290A/1613B	1,2,3,4,7,8,9-HpCDF
GC/HRMS	EPA 8290/8290A/1613B	OCDF
GC/HRMS	EPA 8290/8290A/1613B	Total TCDD
GC/HRMS	EPA 8290/8290A/1613B	Total PeCDD
GC/HRMS	EPA 8290/8290A/1613B	Total HxCDD
GC/HRMS	EPA 8290/8290A/1613B	Total HpCDD
GC/HRMS	EPA 8290/8290A/1613B	Total TCDF
GC/HRMS	EPA 8290/8290A/1613B	Total PeCDF
GC/HRMS	EPA 8290/8290A/1613B	Total HxCDF
GC/HRMS	EPA 8290/8290A/1613B	Total HpCDF
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	6:2 Fluorotelomer sulfonic acid (6:2 FTS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	8:2 Fluorotelomer sulfonic acid (8:2 FTS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA, EtFOSAA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA, MeFOSAA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorooctanoic acid (PFOA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorooctane Sulfonic Acid Perfluorooctanesulfonic acid (PFOS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorobutanoic acid (PFBA)

Non-Potable Water		
Technology	Specification, Standard, Method, or Test Technique	Analyte
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluoropentanoic acid (PFPeA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorohexanoic acid (PFHxA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluoroheptanoic acid (PFHpA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorononanoic acid (PFNA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorodecanoic acid (PFDA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluoroundecanoic acid (PFUnA, PFUnDA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorododecanoic acid (PFDoA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorotridecanoic acid (PFTrDA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorotetradecanoic acid (PFTeDA, PFTA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorobutane Sulfonic Acid Perfluorobutanesulfonic acid (PFBS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorohexane Sulfonic Acid Perfluorohexanesulfonic acid (PFHxS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluoroheptane Sulfonic Acid Perfluoroheptanesulfonic acid (PFHpS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorodecane Sulfonic Acid (PFDS)

Non-Potable Water		
Technology	Specification, Standard, Method, or Test Technique	Analyte
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorooctane Sulfonamide Perfluorooctanesulfonamide (PFOSA, PFOSAm, FOSA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	4:2 Fluorotelomer sulfonic acid (4:2 FTS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	10:2 Fluorotelomer sulfonic acid (10:2 FTS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorohexadecanoic acid (PFHxDA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluoropentane Sulfonic acid Perfluoropentanesulfonic acid (PFPeS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorononane Sulfonic acid Perfluoronananesulfonic acid (PFNS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Hexafluoropropylene oxide dimer acid (HFPO-DA, GenX) (Perfluoro-2-propoxypropionic acid)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	9-Chlorohexadecafluoro-3-oxanonane- 1-sulfonic acid (9C1-PF3ONS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	11-Chloroeicosafluoro-3-oxaundecane- 1-sulfonic acid (11C1-PF3OUdS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorododecanesulfonic acid (PFDoS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorooctadecanoic acid (PFODA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	N-Ethylperfluorooctane sulfonamide (NEtFOSA, EtFOSA, EtFOSAm)

Non-Potable Water		
Technology	Specification, Standard, Method, or Test Technique	Analyte
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	N-Methylperfluorooctane sulfonamide (NMeFOSA, MeFOSA, MeFOSAm)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	N-Ethylperfluorooctane sulfonamido ethanol (NEtFOSE, EtFOSE)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	N-Methylperfluorooctane sulfonamido ethanol (NMeFOSE, MeFOSE)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3-Perfluoropropyl propanoic acid, 2H, 2H, 3H, 3H – Perfluorohexanoic acid) (3:3 FTCA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	2H,2H,3H,3H-Perfluorodecanoic acid (3-Perfluoroheptyl propanoic acid) (7:3 FTCA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluoro-3-methoxypropanoic acid (PFMPA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluoro-4-methoxybutanoic acid (PFMBA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)
LC/MS/MS	EPA Method 1633 Final	6:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-perfluorooctane sulfonic acid) (6:2 FTS)
LC/MS/MS	EPA Method 1633 Final	8:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-perfluorodecane sulfonic acid) (8:2 FTS)
LC/MS/MS	EPA Method 1633 Final	N-Ethyl perfluorooctanesulfon amidoacetic acid (NEtFOSAA, EtFOSAA)

Non-Potable Water		
Technology	Specification, Standard, Method, or Test Technique	Analyte
LC/MS/MS	EPA Method 1633 Final	N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA, MeFOSAA)
LC/MS/MS	EPA Method 1633 Final	Perfluorooctanoic acid (PFOA)
LC/MS/MS	EPA Method 1633 Final	Perfluorooctanesulfonic acid (PFOS)
LC/MS/MS	EPA Method 1633 Final	Perfluorobutanoic acid (PFBA)
LC/MS/MS	EPA Method 1633 Final	Perfluoropentanoic acid (PFPeA)
LC/MS/MS	EPA Method 1633 Final	Perfluorohexanoic acid (PFHxA)
LC/MS/MS	EPA Method 1633 Final	Perfluoroheptanoic acid (PFHpA)
LC/MS/MS	EPA Method 1633 Final	Perfluorononanoic acid (PFNA)
LC/MS/MS	EPA Method 1633 Final	Perfluorodecanoic acid (PFDA)
LC/MS/MS	EPA Method 1633 Final	Perfluoroundecanoic acid (PFUnA)
LC/MS/MS	EPA Method 1633 Final	Perfluorododecanoic acid (PFDoA)
LC/MS/MS	EPA Method 1633 Final	Perfluorotridecanoic acid (PFTrDA)
LC/MS/MS	EPA Method 1633 Final	Perfluorotetradecanoic acid (PFTeDA)
LC/MS/MS	EPA Method 1633 Final	Perfluorobutanesulfonic acid (PFBS)
LC/MS/MS	EPA Method 1633 Final	Perfluorohexanesulfonic acid (PFHxS)
LC/MS/MS	EPA Method 1633 Final	Perfluoroheptanesulfonic acid (PFHpS)
LC/MS/MS	EPA Method 1633 Final	Perfluorodecane Sulfonic Acid (PFDS)
LC/MS/MS	EPA Method 1633 Final	Perfluorooctanesulfonamide (PFOSA, FOSA)
LC/MS/MS	EPA Method 1633 Final	4:2 Fluorotelomer sulfonic acid (1H, 1H,2H,2H-perfluorohexane sulfonic acid) (4:2 FTS)
LC/MS/MS	EPA Method 1633 Final	Perfluoropentanesulfonic acid (PFPeS)
LC/MS/MS	EPA Method 1633 Final	Perfluorononanesulfonic acid (PFNS)
LC/MS/MS	EPA Method 1633 Final	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
LC/MS/MS	EPA Method 1633 Final	Hexafluoropropylene oxide dimer acid (HFPO-DA, GenX) (Perfluoro-2-propoxypropionic acid)
LC/MS/MS	EPA Method 1633 Final	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)

Non-Potable Water		
Technology	Specification, Standard, Method, or Test Technique	Analyte
LC/MS/MS	EPA Method 1633 Final	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11C1-PF3OUdS)
LC/MS/MS	EPA Method 1633 Final	Perfluorododecanesulfonic acid (PFDoS)
LC/MS/MS	EPA Method 1633 Final	N-Ethylperfluorooctane sulfonamide (NEtFOSA, EtFOSA)
LC/MS/MS	EPA Method 1633 Final	N-Methylperfluorooctane sulfonamide (NMeFOSA, MeFOSA)
LC/MS/MS	EPA Method 1633 Final	N-Ethylperfluorooctane sulfonamido ethanol (NEtFOSE, EtFOSE)
LC/MS/MS	EPA Method 1633 Final	N-Methylperfluorooctane sulfonamido ethanol (NMeFOSe, MeFOSE)
LC/MS/MS	EPA Method 1633 Final	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3-Perfluoropropyl propanoic acid) (3:3 FTCA)
LC/MS/MS	EPA Method 1633 Final	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)
LC/MS/MS	EPA Method 1633 Final	2H,2H,3H,3H-Perfluorodecanoic acid (3-Perfluoroheptyl propanoic acid) (7:3 FTCA)
LC/MS/MS	EPA Method 1633 Final	Perfluoro-3-methoxypropanoic acid (PFMPA)
LC/MS/MS	EPA Method 1633 Final	Perfluoro-4-methoxybutanoic acid (PFMBA)
LC/MS/MS	EPA Method 1633 Final	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
LC/MS/MS	EPA Method 1633 Final	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)
LC/MS/MS	EPA Method 1633 Final	Perfluoro-n-hexadecanoic acid (PFHxDA)
LC/MS/MS	EPA Method 1633 Final	Perfluoro-n-octadecanoic acid (PFODA)
LC/MS/MS	EPA Method 1633 Final	Perfluoropropionic acid (PFPrA)
LC/MS/MS	EPA Method 1633 Final	Bis(trifluoromethane)sulfonamide (TFSI)
Preparation	Specification, Standard, Method, or Test Technique	Type
Solid Phase Extraction	EPA 3535A	Semivolatile and Non-Volatile Organics
TCLP Extraction	EPA 1311	Toxicity Characteristic Leaching Procedure

Non-Potable Water		
Technology	Specification, Standard, Method, or Test Technique	Analyte
SPLP Extraction	EPA 1312	Synthetic Precipitation Leaching Procedure
STLC Extraction	CA-WET	California Waste Extraction Test

Drinking Water		
Technology	Specification, Standard, Method, or Test Technique	Analyte
Raman	SWB-MP2-rev 1 WS-MIC-001	Microplastics ≤ 500 um - >212 um
Raman	SWB-MP2-rev 1 WS-MIC-001	Microplastics ≤ 212 um - >20 um
LC/MS/MS	EPA 331.0	Perchlorate
GC/HRMS	EPA 1613B	2,3,7,8-TCDD
LC/MS/MS	EPA 537.1	Perfluorodecanoic acid (PFDA)
LC/MS/MS	EPA 537.1	Perfluorododecanoic acid (PFDoA, PFDoDA)
LC/MS/MS	EPA 537.1	Perfluorohexanoic acid (PFHxA)
LC/MS/MS	EPA 537.1	Perfluorotetradecanoic acid (PFTA, PFTeDA)
LC/MS/MS	EPA 537.1	Perfluorotridecanoic acid (PFTTrDA, PFTriA)
LC/MS/MS	EPA 537.1	Perfluoroundecanoic acid (PFUnA, PFUnDA)
LC/MS/MS	EPA 537.1	N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA, EtFOSAA)
LC/MS/MS	EPA 537.1	N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA, MeFOSAA)
LC/MS/MS	EPA 537.1	Perfluoroheptanoic acid (PFHpA)
LC/MS/MS	EPA 537.1	Perfluorooctanoic acid (PFOA)
LC/MS/MS	EPA 537.1	Perfluorononanoic acid (PFNA)
LC/MS/MS	EPA 537.1	Perfluorobutane Sulfonic Acid, Perfluorobutanesulfonic acid (PFBS)
LC/MS/MS	EPA 537.1	Perfluorohexanesulfonic acid (PFHxS)
LC/MS/MS	EPA 537.1	Perfluorooctanesulfonic acid (PFOS)
LC/MS/MS	EPA 537.1	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)

Drinking Water		
Technology	Specification, Standard, Method, or Test Technique	Analyte
LC/MS/MS	EPA 537.1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonate (9Cl-PF3ONS)
LC/MS/MS	EPA 537.1	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonate (11Cl-PF3OUdS)
LC/MS/MS	EPA 537.1	4,8-Dioxa-3H-perfluoronanoic Acid (ADONA)
LC/MS/MS	EPA 533	Perfluorobutane Sulfonic Acid (PFBS)
LC/MS/MS	EPA 533	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)
LC/MS/MS	EPA 533	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)
LC/MS/MS	EPA 533	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
LC/MS/MS	EPA 533	Hexafluoropropylene oxide dimer acid (HFPO-DA)
LC/MS/MS	EPA 533	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
LC/MS/MS	EPA 533	Perfluorobutanoic acid (PFBA)
LC/MS/MS	EPA 533	1H,1H,2H,2H-perfluorodecane sulfonic acid (8:2 FTS)
LC/MS/MS	EPA 533	Perfluorodecanoic acid (PFDA)
LC/MS/MS	EPA 533	Perfluorododecanoic acid (PFDoA)
LC/MS/MS	EPA 533	Perfluoro(2-ethoxyethane) sulfonic acid (PFEEA)
LC/MS/MS	EPA 533	Perfluoroheptanesulfonic acid (PFHpS)
LC/MS/MS	EPA 533	Perfluoroheptanoic acid (PFHpA)
LC/MS/MS	EPA 533	1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2 FTS)
LC/MS/MS	EPA 533	Perfluorohexane Sulfonic Acid, Perfluorohexanesulfonic acid (PFHxS)
LC/MS/MS	EPA 533	Perfluorohexanoic acid (PFHxA)
LC/MS/MS	EPA 533	Perfluoro-3-methoxypropanoic acid (PFMPA)
LC/MS/MS	EPA 533	Perfluoro-4-methoxybutanoic acid (PFMBA)
LC/MS/MS	EPA 533	Perfluorononanoic acid (PFNA)

Drinking Water		
Technology	Specification, Standard, Method, or Test Technique	Analyte
LC/MS/MS	EPA 533	1H,1H,2H,2H-perfluorooctane sulfonic acid (6:2 FTS)
LC/MS/MS	EPA 533	Perfluorooctanoic acid (PFOA)
LC/MS/MS	EPA 533	Perfluorooctane Sulfonic Acid (Perfluorooctanesulfonic acid) (PFOS)
LC/MS/MS	EPA 533	Perfluoropentanoic acid (PFPeA)
LC/MS/MS	EPA 533	Perfluoropentane Sulfonic Acid, Perfluoropentanesulfonic acid (PFPeS)
LC/MS/MS	EPA 533	Perfluoroundecanoic acid (PFUnA, PFUnDA)

Drinking Water		
Preparation	Specification, Standard, Method, or Test Technique	Type
Solid Phase Extraction	EPA 537.1/533	Perfluoro compounds in Drinking Water

Solid and Chemical Materials		
Technology	Specification, Standard, Method, or Test Technique	Analyte
Probe	EPA 9045C/9045D	pH
Ion Chromatography	EPA 9056/9056A	Fluoride
Gravimetric	ASTM D2216	%Moisture
GC/HRMS	EPA 8290/ 8290A	2,3,7,8-TeCDD
GC/HRMS	EPA 8290/ 8290A	1,2,3,7,8-PeCDD
GC/HRMS	EPA 8290/ 8290A	1,2,3,4,7,8-HxCDD
GC/HRMS	EPA 8290/ 8290A	1,2,3,6,7,8-HxCDD
GC/HRMS	EPA 8290/ 8290A	1,2,3,7,8,9-HxCDD
GC/HRMS	EPA 8290/ 8290A	1,2,3,4,6,7,8-HpCDD
GC/HRMS	EPA 8290/ 8290A	OCDD
GC/HRMS	EPA 8290/ 8290A	2,3,7,8-TeCDF
GC/HRMS	EPA 8290/ 8290A	1,2,3,7,8-PeCDF
GC/HRMS	EPA 8290/ 8290A	2,3,4,7,8-PeCDF
GC/HRMS	EPA 8290/ 8290A	1,2,3,4,7,8-HxCDF
GC/HRMS	EPA 8290/ 8290A	1,2,3,6,7,8-HxCDF

Solid and Chemical Materials		
Technology	Specification, Standard, Method, or Test Technique	Analyte
GC/HRMS	EPA 8290/ 8290A	1,2,3,7,8,9-HxCDF
GC/HRMS	EPA 8290/ 8290A	2,3,4,6,7,8-HxCDF
GC/HRMS	EPA 8290/ 8290A	1,2,3,4,6,7,8-HpCDF
GC/HRMS	EPA 8290/ 8290A	1,2,3,4,7,8,9-HpCDF
GC/HRMS	EPA 8290/ 8290A	OCDF
GC/HRMS	EPA 8290/ 8290A	Total TCDD
GC/HRMS	EPA 8290/ 8290A	Total PeCDD
GC/HRMS	EPA 8290/ 8290A	Total HxCDD
GC/HRMS	EPA 8290/ 8290A	Total HpCDD
GC/HRMS	EPA 8290/ 8290A	Total TCDF
GC/HRMS	EPA 8290/ 8290A	Total PeCDF
GC/HRMS	EPA 8290/ 8290A	Total HxCDF
GC/HRMS	EPA 8290/ 8290A	Total HpCDF
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	6:2 Fluorotelomer sulfonic acid (6:2 FTS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	8:2 Fluorotelomer sulfonic acid (8:2 FTS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	N-Ethyl perfluorooctanesulfon amidoacetic acid (NEtFOSAA, EtFOSAA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	N-Methyl perfluorooctanesulfon amidoacetic acid (NMeFOSAA, MeFOSAA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorooctanoic acid (PFOA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorooctane Sulfonic Acid Perfluorooctanesulfonic acid (PFOS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorobutanoic acid (PFBA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluoropentanoic acid (PFPeA)

Solid and Chemical Materials		
Technology	Specification, Standard, Method, or Test Technique	Analyte
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorohexanoic acid (PFHxA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluoroheptanoic acid (PFHpA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorononanoic acid (PFNA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorodecanoic acid (PFDA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluoroundecanoic acid (PFUnA, PFUnDA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorododecanoic acid (PFDoA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorotridecanoic acid (PFTrDA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorotetradecanoic acid (PFTeDA, PFTA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorobutanesulfonic acid (PFBS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorohexane Sulfonic Acid Perfluorohexanesulfonic acid (PFHxS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluoroheptane Sulfonic Acid Perfluoroheptanesulfonic acid (PFHpS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorodecane Sulfonic Acid (PFDS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorooctane Sulfonamide Perfluorooctanesulfonamide (PFOSA, PFOSAm, FOSA)

Solid and Chemical Materials		
Technology	Specification, Standard, Method, or Test Technique	Analyte
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	4:2 Fluorotelomer Sulfonic Acid (4:2 FTS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	10:2 Fluorotelomer Sulfonic Acid (10:2 FTS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorohexadecanoic acid (PFHxDA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluoropentane Sulfonic acid Perfluoropentanesulfonic acid (PFPeS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorononane Sulfonic acid Perfluoronananesulfonic acid (PFNS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Hexafluoropropylene oxide dimer acid (Perfluoro-2-propoxypropionic acid) (HFPO-DA, GenX)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	9-Chlorohexadecafluoro-3-oxanonane-1- sulfonic Acid (9C1-PF3ONS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	11-Chloroeicosafluoro-3-oxaundecane-1- sulfonic Acid (11C1-PF3OUdS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorododecanesulfonic acid (PFDoS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluorooctadecanoic acid (PFODA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	N-Ethylperfluorooctane sulfonamide (NEtFOSA, EtFOSA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	N-Methylperfluorooctane sulfonamide (NMeFOSA, MeFOSA)

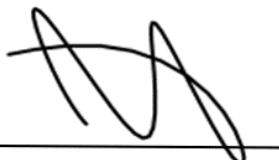
Solid and Chemical Materials		
Technology	Specification, Standard, Method, or Test Technique	Analyte
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	N-Ethylperfluorooctane sulfonamido ethanol (NEtFOSE, EtFOSE)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	N-Methylperfluorooctane sulfonamido ethanol (NMeFOSe, MeFOSE)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3-Perfluoropropyl propanoic acid, 2H, 2H, 3H, 3H – Perfluorohexanoic acid) (3:3 FTCA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	2H,2H,3H,3H-Perfluorodecanoic acid (3-Perfluoroheptyl propanoic acid) (7:3 FTCA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluoro-3-methoxypropanoic acid (PFMPA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluoro-4-methoxybutanoic acid (PFMBA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 WS-LC-0025	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)
LC/MS/MS	EPA Method 1633 Final	6:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-perfluorooctane sulfonic acid) (6:2 FTS)
LC/MS/MS	EPA Method 1633 Final	8:2 Fluorotelomer sulfonic acid (1H,1H,2H,2H-perfluorodecane sulfonic acid) (8:2 FTS)
LC/MS/MS	EPA Method 1633 Final	N-Ethyl perfluorooctanesulfon amidoacetic acid (NEtFOSAA, EtFOSAA)
LC/MS/MS	EPA Method 1633 Final	N-Methyl perfluorooctanesulfon amidoacetic acid (NMeFOSAA, MeFOSAA)
LC/MS/MS	EPA Method 1633 Final	Perfluorooctanoic acid (PFOA)

Solid and Chemical Materials		
Technology	Specification, Standard, Method, or Test Technique	Analyte
LC/MS/MS	EPA Method 1633 Final	Perfluorooctanesulfonic acid (PFOS)
LC/MS/MS	EPA Method 1633 Final	Perfluorobutanoic acid (PFBA)
LC/MS/MS	EPA Method 1633 Final	Perfluoropentanoic acid (PFPeA)
LC/MS/MS	EPA Method 1633 Final	Perfluorohexanoic acid (PFHxA)
LC/MS/MS	EPA Method 1633 Final	Perfluoroheptanoic acid (PFHpA)
LC/MS/MS	EPA Method 1633 Final	Perfluorononanoic acid (PFNA)
LC/MS/MS	EPA Method 1633 Final	Perfluorodecanoic acid (PFDA)
LC/MS/MS	EPA Method 1633 Final	Perfluoroundecanoic acid (PFUnA)
LC/MS/MS	EPA Method 1633 Final	Perfluorododecanoic acid (PFDoA)
LC/MS/MS	EPA Method 1633 Final	Perfluorotridecanoic acid (PFTrDA)
LC/MS/MS	EPA Method 1633 Final	Perfluorotetradecanoic acid (PFTeDA)
LC/MS/MS	EPA Method 1633 Final	Perfluorobutanesulfonic acid (PFBS)
LC/MS/MS	EPA Method 1633 Final	Perfluorohexanesulfonic acid (PFHxS)
LC/MS/MS	EPA Method 1633 Final	Perfluoroheptanesulfonic acid (PFHpS)
LC/MS/MS	EPA Method 1633 Final	Perfluorodecane Sulfonic Acid (PFDS)
LC/MS/MS	EPA Method 1633 Final	Perfluorooctanesulfonamide (PFOSA, FOSA)
LC/MS/MS	EPA Method 1633 Final	4:2 Fluorotelomer sulfonic acid (1H, 1H,2H,2H-perfluorohexane sulfonic acid) (4:2 FTS)
LC/MS/MS	EPA Method 1633 Final	Perfluoropentanesulfonic acid (PFPeS)
LC/MS/MS	EPA Method 1633 Final	Perfluorononanesulfonic acid (PFNS)
LC/MS/MS	EPA Method 1633 Final	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
LC/MS/MS	EPA Method 1633 Final	Hexafluoropropylene oxide dimer acid (HFPO-DA, GenX) (Perfluoro-2-propoxypropionic acid)
LC/MS/MS	EPA Method 1633 Final	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)
LC/MS/MS	EPA Method 1633 Final	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)
LC/MS/MS	EPA Method 1633 Final	Perfluorododecanesulfonic acid (PFDoS)
LC/MS/MS	EPA Method 1633 Final	N-Ethylperfluorooctane sulfonamide (NEtFOSA, EtFOSA)
LC/MS/MS	EPA Method 1633 Final	N-Methylperfluorooctane sulfonamide (NMeFOSA, MeFOSA)

Solid and Chemical Materials		
Technology	Specification, Standard, Method, or Test Technique	Analyte
LC/MS/MS	EPA Method 1633 Final	N-Ethylperfluorooctane sulfonamido ethanol (NEtFOSE, EtFOSE)
LC/MS/MS	EPA Method 1633 Final	N-Methylperfluorooctane sulfonamido ethanol (NMeFOSE, MeFOSE)
LC/MS/MS	EPA Method 1633 Final	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3-Perfluoropropyl propanoic acid) (3:3 FTCA)
LC/MS/MS	EPA Method 1633 Final	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)
LC/MS/MS	EPA Method 1633 Final	2H,2H,3H,3H-Perfluorodecanoic acid (3-Perfluoroheptyl propanoic acid) (7:3 FTCA)
LC/MS/MS	EPA Method 1633 Final	Perfluoro-3-methoxypropanoic acid (PFMPA)
LC/MS/MS	EPA Method 1633 Final	Perfluoro-4-methoxybutanoic acid (PFMBA)
LC/MS/MS	EPA Method 1633 Final	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
LC/MS/MS	EPA Method 1633 Final	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)
LC/MS/MS	EPA Method 1633 Final	Perfluoro-n-hexadecanoic acid (PFHxDA)
LC/MS/MS	EPA Method 1633 Final	Perfluoro-n-octadecanoic acid (PFODA)
LC/MS/MS	EPA Method 1633 Final	Perfluoropropionic acid (PFPrA)
LC/MS/MS	EPA Method 1633 Final	Bis(trifluoromethane)sulfonamide (TFSI)
Preparation	Specification, Standard, Method, or Test Technique	Type
TCLP Extraction	EPA 1311	Toxicity Characteristic Leaching Procedure
SPLP Extraction	EPA 1312	Synthetic Precipitation Leaching Procedure
STLC Extraction	CA-WET	California Waste Extraction Test

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L2468.02.
2. Eurofins Sacramento is a laboratory within Eurofins Environment Testing Northern California, LLC, a company within the Eurofins Environment Testing Group of Companies.



Jason Stine, Vice President