



STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

**CERTIFICATE OF
ENVIRONMENTAL LABORATORY ACCREDITATION**

Is hereby granted to

Enthalpy Analytical, LLC

2714 Exchange Dr.

Wilmington, NC 28405

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations,
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **3012**

Effective Date: **8/28/2021**

Expiration Date: **6/30/2022**

A handwritten signature in blue ink, appearing to read "Christine Sotelo".

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Program Manager
Environmental Laboratory Accreditation Program



**CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Fields of Accreditation**



Enthalpy Analytical, LLC

2714 Exchange Dr.
Wilmington, NC 28405
Phone: 9102125856

**Certificate Number: 3012
Expiration Date: 6/30/2022**

Primary Accreditation
Body

Field of Accreditation:105 - Semi-volatile Organic Chemistry of Drinking Water

105.106 001	11-Chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	EPA 537.1	FL
105.106 002	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	EPA 537.1	FL
105.106 003	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 537.1	FL
105.106 004	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	EPA 537.1	FL
105.106 005	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSAA)	EPA 537.1	FL
105.106 006	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOSAA)	EPA 537.1	FL
105.106 007	Perfluorobutane Sulfonic Acid (PFBS)	EPA 537.1	FL
105.106 008	Perfluorodecanoic Acid (PFDA)	EPA 537.1	FL
105.106 009	Perfluorododecanoic Acid (PFDoA)	EPA 537.1	FL
105.106 010	Perfluoroheptanoic Acid (PFHpA)	EPA 537.1	FL
105.106 011	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 537.1	FL
105.106 012	Perfluorohexanoic Acid (PFHxA)	EPA 537.1	FL
105.106 013	Perfluorononanoic Acid (PFNA)	EPA 537.1	FL
105.106 014	Perfluorooctanoic Acid (PFOA)	EPA 537.1	FL
105.106 015	Perfluorooctane Sulfonic Acid (PFOS)	EPA 537.1	FL
105.106 016	Perfluorotetradecanoic Acid (PFTDA)	EPA 537.1	FL
105.106 017	Perfluorotridecanoic Acid (PFTrDA)	EPA 537.1	FL
105.106 018	Perfluoroundecanoic Acid (PFUnDA)	EPA 537.1	FL

Field of Accreditation:111 - Semi-volatile Organic Constituents in Non-Potable Water

111.250 001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B	LA
111.250 002	Total Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B	LA
111.250 003	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	EPA 1613 B	LA
111.250 004	Total Tetrachlorodibenzofuran (TCDF)	EPA 1613 B	LA
111.250 005	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 1613 B	LA
111.250 006	Total Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 1613 B	LA
111.250 007	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 1613 B	LA
111.250 008	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 1613 B	LA
111.250 009	Total Pentachlorodibenzofuran (PeCDF)	EPA 1613 B	LA
111.250 010	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B	LA
111.250 011	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B	LA
111.250 012	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B	LA
111.250 013	Total Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B	LA
111.250 014	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B	LA

As of 3/17/2022, this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

111.250	015	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B	LA
111.250	016	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B	LA
111.250	017	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B	LA
111.250	018	Total Hexachlorodibenzofuran (HxCDF)	EPA 1613 B	LA
111.250	019	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 1613 B	LA
111.250	020	Total Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 1613 B	LA
111.250	021	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	EPA 1613 B	LA
111.250	022	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	EPA 1613 B	LA
111.250	023	Total Heptachlorodibenzofuran (HpCDF)	EPA 1613 B	LA
111.250	024	OCDD	EPA 1613 B	LA
111.250	025	OCDF	EPA 1613 B	LA
111.345	001	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSAA)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	002	4:2 Fluorotelomer Sulfonic Acid (4:2 FTS)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	003	6:2 Fluorotelomer Sulfonic Acid (6:2 FTS)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	004	8:2 Fluorotelomer Sulfonic Acid (8:2 FTS)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	005	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOSAA)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	006	Perfluorobutanoic Acid (PFBA)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	007	Perfluorobutane Sulfonic Acid (PFBS)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	008	Perfluorodecanoic Acid (PFDA)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	009	Perfluorododecanoic Acid (PFDoA)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	010	Perfluorodecane Sulfonic Acid (PFDS)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	011	Perfluoroheptanoic Acid (PFHpA)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	012	Perfluoroheptane Sulfonic Acid (PFHpS)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	013	Perfluorohexane Sulfonic Acid (PFHxS)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	014	Perfluorohexanoic Acid (PFHxA)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	015	Perfluorononanoic Acid (PFNA)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	016	Perfluorooctanoic Acid (PFOA)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	017	Perfluorooctane Sulfonic Acid (PFOS)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	018	Perfluorooctane Sulfonamide (PFOSAm)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	019	Perfluoropentanoic Acid (PFPeA)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	020	Perfluoropentane Sulfonic Acid (PFPeS)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	021	Perfluorotetradecanoic Acid (PFTDA)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	022	Perfluorotridecanoic Acid (PFTrDA)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	023	Perfluoroundecanoic Acid (PFUnDA)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	030	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	DoD QSM Version 5.1 (or newer)	ANAB
111.345	034	Perfluorononane Sulfonic Acid (PFNS)	DoD QSM Version 5.1 (or newer)	ANAB

Field of Accreditation: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.472	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 8290 A	LA
117.472	002	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290 A	LA
117.472	003	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	LA
117.472	004	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	LA
117.472	005	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	LA

117.472	006	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290 A	LA
117.472	007	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 8290 A	LA
117.472	008	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	EPA 8290 A	LA
117.472	009	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290 A	LA
117.472	010	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290 A	LA
117.472	011	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	LA
117.472	012	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	LA
117.472	013	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	LA
117.472	014	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	LA
117.472	015	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	EPA 8290 A	LA
117.472	016	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	EPA 8290 A	LA
117.472	017	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 8290 A	LA
117.472	018	Total Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 8290 A	LA
117.472	019	Total Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290 A	LA
117.472	020	Total Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	LA
117.472	021	Total Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290 A	LA
117.472	022	Total Tetrachlorodibenzofuran (TCDF)	EPA 8290 A	LA
117.472	023	Total Pentachlorodibenzofuran (PeCDF)	EPA 8290 A	LA
117.472	024	Total Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	LA
117.472	025	Total Heptachlorodibenzofuran (HpCDF)	EPA 8290 A	LA
117.575	002	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSAA)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	004	4:2 Fluorotelomer Sulfonic Acid (4:2 FTS)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	005	6:2 Fluorotelomer Sulfonic Acid (6:2 FTS)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	006	8:2 Fluorotelomer Sulfonic Acid (8:2 FTS)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	011	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOSAA)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	013	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	014	Perfluorobutanoic Acid (PFBA)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	015	Perfluorobutane Sulfonic Acid (PFBS)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	016	Perfluorodecanoic Acid (PFDA)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	017	Perfluorododecanoic Acid (PFDoA)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	018	Perfluorodecane Sulfonic Acid (PFDS)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	019	Perfluoroheptanoic Acid (PFHpA)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	020	Perfluoroheptane Sulfonic Acid (PFHpS)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	021	Perfluorohexane Sulfonic Acid (PFHxS)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	022	Perfluorohexanoic Acid (PFHxA)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	023	Perfluorononanoic Acid (PFNA)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	024	Perfluorooctanoic Acid (PFOA)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	025	Perfluorooctane Sulfonic Acid (PFOS)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	026	Perfluorooctane Sulfonamide (PFOSAm)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	027	Perfluoropentanoic Acid (PFPeA)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	028	Perfluoropentane Sulfonic Acid (PFPeS)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	029	Perfluorotetradecanoic Acid (PFTDA)	DoD QSM Version 5.1 (or newer)	ANAB

117.575	030	Perfluorotridecanoic Acid (PFTrDA)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	031	Perfluoroundecanoic Acid (PFUnDA)	DoD QSM Version 5.1 (or newer)	ANAB
117.575	034	Perfluorononane Sulfonic Acid (PFNS)	DoD QSM Version 5.1 (or newer)	ANAB

Field of Accreditation: 133 - Semi-Volatile Organic Chemistry in Hazardous Waste (Matrix Aqueous)

133.267	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 8290 A	LA
133.267	002	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290 A	LA
133.267	003	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	LA
133.267	004	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	LA
133.267	005	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	LA
133.267	006	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290 A	LA
133.267	007	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 8290 A	LA
133.267	008	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	EPA 8290 A	LA
133.267	009	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290 A	LA
133.267	010	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290 A	LA
133.267	011	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	LA
133.267	012	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	LA
133.267	013	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	LA
133.267	014	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	LA
133.267	015	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	EPA 8290 A	LA
133.267	016	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	EPA 8290 A	LA
133.267	017	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 8290 A	LA
133.267	018	Total Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 8290 A	LA
133.267	019	Total Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290 A	LA
133.267	020	Total Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	LA
133.267	021	Total Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290 A	LA
133.267	022	Total Tetrachlorodibenzofuran (TCDF)	EPA 8290 A	LA
133.267	023	Total Pentachlorodibenzofuran (PeCDF)	EPA 8290 A	LA
133.267	024	Total Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	LA
133.267	025	Total Heptachlorodibenzofuran (HpCDF)	EPA 8290 A	LA
133.380	002	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSAA)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	004	4:2 Fluorotelomer Sulfonic Acid (4:2 FTS)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	005	6:2 Fluorotelomer Sulfonic Acid (6:2 FTS)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	006	8:2 Fluorotelomer Sulfonic Acid (8:2 FTS)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	011	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOSAA)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	013	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	014	Perfluorobutanoic Acid (PFBA)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	015	Perfluorobutane Sulfonic Acid (PFBS)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	016	Perfluorodecanoic Acid (PFDA)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	017	Perfluorododecanoic Acid (PFDoA)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	018	Perfluorodecane Sulfonic Acid (PFDS)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	019	Perfluoroheptanoic Acid (PFHpA)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	020	Perfluoroheptane Sulfonic Acid (PFHpS)	DoD QSM Version 5.1 (or newer)	ANAB

As of 3/17/2022, this list supersedes all previous lists for this certificate number. Customers: Please verify the current accreditation standing with the State.

133.380	021	Perfluorohexane Sulfonic Acid (PFHxS)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	022	Perfluorohexanoic Acid (PFHxA)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	023	Perfluorononanoic Acid (PFNA)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	024	Perfluorooctanoic Acid (PFOA)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	025	Perfluorooctane Sulfonic Acid (PFOS)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	026	Perfluorooctane Sulfonamide (PFOSAm)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	027	Perfluoropentanoic Acid (PFPeA)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	028	Perfluoropentane Sulfonic Acid (PFPeS)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	029	Perfluorotetradecanoic Acid (PFTDA)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	030	Perfluorotridecanoic Acid (PFTrDA)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	031	Perfluoroundecanoic Acid (PFUnDA)	DoD QSM Version 5.1 (or newer)	ANAB
133.380	034	Perfluorononane Sulfonic Acid (PFNS)	DoD QSM Version 5.1 (or newer)	ANAB