



STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY

Is hereby granting a Louisiana Environmental Laboratory Accreditation to



**Enthalpy Analytical LLC**  
**1104 Winnfield Way**  
**El Dorado Hills, California 95762-9622**

**Agency Interest No. 30650**

**Activity No. ACC20250001**

According to the Louisiana Administrative Code, Title 33, Part I, Subpart 3, LABORATORY ACCREDITATION, the State of Louisiana formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed in the attachment.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part I, Subpart 3 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part I and the 2016 TNI Standard by which the laboratory was assessed. Please contact the Department of Environmental Quality, Louisiana Environmental Laboratory Accreditation Program (LELAP) to verify the laboratory's scope of accreditation and accreditation status.

Accreditation by the State of Louisiana is not an endorsement or a guarantee of validity of the data generated by the laboratory. Accreditation of the environmental laboratory does not imply that a product, process, system, or person is approved by LELAP. To be accredited initially and maintain accreditation, the laboratory agrees to participate in two single-blind, single-concentration PT studies, where available, per year for each field of testing for which it seeks accreditation or maintains accreditation as required in LAC 33:I.4711.

Tonya Landry  
Administrator

Public Participation and Permit Support Division

Issued Date: 6/12/2025

Effective Date: **July 1, 2025**

Expiration Date: **June 30, 2026**

Certificate Number: **01977**





STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY

Effective Date: July 1, 2025

1104 Winnfield Way, El Dorado Hills, California 95762-9622

Certificate Number: 01977

Enthalpy Analytical LLC  
AI Number: 30650  
Activity No. ACC20250001  
Expiration Date: June 30, 2026

## Air Emissions

| Analyte | Method Name | Method Code | Type | AB |
|---------|-------------|-------------|------|----|
|---------|-------------|-------------|------|----|

## Non Potable Water

| Analyte                                                          | Method Name | Method Code | Type  | AB |
|------------------------------------------------------------------|-------------|-------------|-------|----|
| 4846 - N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | VAL SOP 49  | 60048524    | NELAP | OR |
| 4847 - N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | VAL SOP 49  | 60048524    | NELAP | OR |
| 6898 - Sodium perfluoro-1-propanesulfonate (PFPrS)               | VAL SOP 49  | 60048524    | NELAP | OR |
| 6899 - Potassium perfluoro-4-ethylcyclohexanesulfonate (PFecHS)  | VAL SOP 49  | 60048524    | NELAP | OR |
| 6901 - Perfluorohexadecanoic acid (PFHXDA)                       | VAL SOP 49  | 60048524    | NELAP | OR |
| 6902 - Perfluorotetradecanoic acid (PFTDA)                       | VAL SOP 49  | 60048524    | NELAP | OR |
| 6903 - Perfluorododecanoic acid (PFDOA)                          | VAL SOP 49  | 60048524    | NELAP | OR |
| 6904 - Perfluoroundecanoic acid (PFUnDA)                         | VAL SOP 49  | 60048524    | NELAP | OR |
| 6905 - Perfluorodecanoic acid (PFDA)                             | VAL SOP 49  | 60048524    | NELAP | OR |
| 6906 - Perfluorononanoic acid (PFNA)                             | VAL SOP 49  | 60048524    | NELAP | OR |
| 6908 - Perfluoroheptanoic acid (PFHpA)                           | VAL SOP 49  | 60048524    | NELAP | OR |
| 6912 - Perfluorooctanoic acid (PFOA)                             | VAL SOP 49  | 60048524    | NELAP | OR |
| 6913 - Perfluorohexanoic acid (PFHxA)                            | VAL SOP 49  | 60048524    | NELAP | OR |
| 6914 - Perfluoropentanoic acid (PFPeA)                           | VAL SOP 49  | 60048524    | NELAP | OR |
| 6915 - Perfluorobutanoic acid (PFBA)                             | VAL SOP 49  | 60048524    | NELAP | OR |
| 6916 - Perfluorooctadecanoic acid (PFODA)                        | VAL SOP 49  | 60048524    | NELAP | OR |
| 6917 - Perfluorooctane sulfonamide (PFOSAm)                      | VAL SOP 49  | 60048524    | NELAP | OR |
| 6918 - Perfluorobutane sulfonic acid (PFBS)                      | VAL SOP 49  | 60048524    | NELAP | OR |
| 6920 - Perfluorodecane sulfonic acid (PFDS)                      | VAL SOP 49  | 60048524    | NELAP | OR |
| 6923 - Perfluorododecane sulfonic acid (PFDoS)                   | VAL SOP 49  | 60048524    | NELAP | OR |
| 6927 - Perfluorohexane sulfonic acid (PFHxS)                     | VAL SOP 49  | 60048524    | NELAP | OR |
| 6929 - Perfluorononane sulfonic acid (PFNS)                      | VAL SOP 49  | 60048524    | NELAP | OR |
| 6931 - Perfluorooctane sulfonic acid (PFOS)                      | VAL SOP 49  | 60048524    | NELAP | OR |
| 6934 - Perfluoropentane sulfonic acid (PFPeS)                    | VAL SOP 49  | 60048524    | NELAP | OR |
| 6946 - 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)     | VAL SOP 49  | 60048524    | NELAP | OR |
| 6947 - 1H, 1H, 2H, 2H-                                           | VAL SOP 49  | 60048524    | NELAP | OR |

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|                                            |            |          |       |    |
|--------------------------------------------|------------|----------|-------|----|
| Perfluorooctanesulfonic acid (6:2 FTS)     |            |          |       |    |
| 6948 - 1H, 1H, 2H, 2H-                     | VAL SOP 49 | 60048524 | NELAP | OR |
| Perfluorodecanesulfonic acid (8:2 FTS)     |            |          |       |    |
| 6949 - N-Methylperfluorooctane             | VAL SOP 49 | 60048524 | NELAP | OR |
| sulfonamido ethanol (MeFOSE)               |            |          |       |    |
| 6951 - 4,8-Dioxo-3H-perfluorononanoic      | VAL SOP 49 | 60048524 | NELAP | OR |
| acid (DONA)                                |            |          |       |    |
| 6952 - 9-Chlorohexadecafluoro-3-           | VAL SOP 49 | 60048524 | NELAP | OR |
| oxanonane-1-sulfonic acid (9-Cl-PF3ONS)    |            |          |       |    |
| 6955 - N-methyl                            | VAL SOP 49 | 60048524 | NELAP | OR |
| perfluorooctanesulfonamidoacetic acid      |            |          |       |    |
| (NMeFOSAA)                                 |            |          |       |    |
| 6956 - Nonafluoro-3,6-dioxaheptanoic acid  | VAL SOP 49 | 60048524 | NELAP | OR |
| (NFDHA)                                    |            |          |       |    |
| 6957 - Perfluoro(2-ethoxyethane) sulfonic  | VAL SOP 49 | 60048524 | NELAP | OR |
| acid (PFEEA)                               |            |          |       |    |
| 6965 - Perfluoro-3-methoxypropanoic acid   | VAL SOP 49 | 60048524 | NELAP | OR |
| (PFMPA)                                    |            |          |       |    |
| 6966 - Perfluoro-4-methoxybutanoic acid    | VAL SOP 49 | 60048524 | NELAP | OR |
| (PFMBA)                                    |            |          |       |    |
| 9338 - 2H,2H,3H,3H-Perfluorooctanoic acid  | VAL SOP 49 | 60048524 | NELAP | OR |
| (5:3 FTCA)                                 |            |          |       |    |
| 9353 - 4,4,5,5,6,6,6-Heptafluorohexanoic   | VAL SOP 49 | 60048524 | NELAP | OR |
| acid (3:3 FTCA)                            |            |          |       |    |
| 9395 - N-Ethylperfluorooctane sulfonamide  | VAL SOP 49 | 60048524 | NELAP | OR |
| (EtFOSAm)                                  |            |          |       |    |
| 9420 - 1,2,3,4,6,7,8-                      | EPA 1613B  | 10120602 | NELAP | OR |
| Heptachlorodibenzofuran (1,2,3,4,6,7,8-    |            |          |       |    |
| Hpcdf)                                     |            |          |       |    |
| 9420 - 1,2,3,4,6,7,8-                      | EPA 8290   | 10187209 | NELAP | OR |
| Heptachlorodibenzofuran (1,2,3,4,6,7,8-    |            |          |       |    |
| Hpcdf)                                     |            |          |       |    |
| 9423 - 1,2,3,4,7,8,9-                      | EPA 1613B  | 10120602 | NELAP | OR |
| Heptachlorodibenzofuran (1,2,3,4,7,8,9-    |            |          |       |    |
| Hpcdf)                                     |            |          |       |    |
| 9423 - 1,2,3,4,7,8,9-                      | EPA 8290   | 10187209 | NELAP | OR |
| Heptachlorodibenzofuran (1,2,3,4,7,8,9-    |            |          |       |    |
| Hpcdf)                                     |            |          |       |    |
| 9426 - 1,2,3,4,6,7,8-Heptachlorodibenzo-p- | EPA 1613B  | 10120602 | NELAP | OR |
| dioxin (1,2,3,4,6,7,8-Hpcdd)               |            |          |       |    |
| 9426 - 1,2,3,4,6,7,8-Heptachlorodibenzo-p- | EPA 8290   | 10187209 | NELAP | OR |
| dioxin (1,2,3,4,6,7,8-Hpcdd)               |            |          |       |    |
| 9431 - N-Ethylperfluorooctane sulfonamido  | VAL SOP 49 | 60048524 | NELAP | OR |
| ethanol (EtFOSE)                           |            |          |       |    |
| 9433 - N-Methylperfluorooctane             | VAL SOP 49 | 60048524 | NELAP | OR |
| sulfonamide (MeFOSA)                       |            |          |       |    |
| 9438 - Total Heptachlorodibenzo-p-dioxin   | EPA 1613B  | 10120602 | NELAP | OR |
| (Total HPCDD)                              |            |          |       |    |
| 9438 - Total Heptachlorodibenzo-p-dioxin   | EPA 8290   | 10187209 | NELAP | OR |
| (Total HPCDD)                              |            |          |       |    |
| 9444 - Total Heptachlorodibenzofuran       | EPA 1613B  | 10120602 | NELAP | OR |
| (Total HPCDF)                              |            |          |       |    |
| 9444 - Total Heptachlorodibenzofuran       | EPA 8290   | 10187209 | NELAP | OR |
| (Total HPCDF)                              |            |          |       |    |

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|                                                                            |            |          |       |    |
|----------------------------------------------------------------------------|------------|----------|-------|----|
| 9453 - 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)          | EPA 1613B  | 10120602 | NELAP | OR |
| 9453 - 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)          | EPA 8290   | 10187209 | NELAP | OR |
| 9456 - 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)           | EPA 1613B  | 10120602 | NELAP | OR |
| 9456 - 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)           | EPA 8290   | 10187209 | NELAP | OR |
| 9459 - 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)          | EPA 1613B  | 10120602 | NELAP | OR |
| 9459 - 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)          | EPA 8290   | 10187209 | NELAP | OR |
| 9460 - Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)                | VAL SOP 49 | 60048524 | NELAP | OR |
| 9468 - Total Hexachlorodibenzo-p-dioxin (Total HXCDD)                      | EPA 1613B  | 10120602 | NELAP | OR |
| 9468 - Total Hexachlorodibenzo-p-dioxin (Total HXCDD)                      | EPA 8290   | 10187209 | NELAP | OR |
| 9470 - Perfluoroheptane sulfonic acid (PFHpS)                              | VAL SOP 49 | 60048524 | NELAP | OR |
| 9471 - 1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)              | EPA 1613B  | 10120602 | NELAP | OR |
| 9471 - 1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)              | EPA 8290   | 10187209 | NELAP | OR |
| 9474 - 1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)              | EPA 1613B  | 10120602 | NELAP | OR |
| 9474 - 1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)              | EPA 8290   | 10187209 | NELAP | OR |
| 9477 - 1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)              | EPA 1613B  | 10120602 | NELAP | OR |
| 9477 - 1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)              | EPA 8290   | 10187209 | NELAP | OR |
| 9480 - 2,3,4,6,7,8-Hexachlorodibenzofuran                                  | EPA 1613B  | 10120602 | NELAP | OR |
| 9480 - 2,3,4,6,7,8-Hexachlorodibenzofuran                                  | EPA 8290   | 10187209 | NELAP | OR |
| 9483 - Total Hexachlorodibenzofuran (Total HXCDF)                          | EPA 1613B  | 10120602 | NELAP | OR |
| 9483 - Total Hexachlorodibenzofuran (Total HXCDF)                          | EPA 8290   | 10187209 | NELAP | OR |
| 9490 - 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | VAL SOP 49 | 60048524 | NELAP | OR |
| 9516 - 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)                       | EPA 1613B  | 10120602 | NELAP | OR |
| 9516 - 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)                       | EPA 8290   | 10187209 | NELAP | OR |
| 9519 - 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)                   | EPA 1613B  | 10120602 | NELAP | OR |
| 9519 - 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)                   | EPA 8290   | 10187209 | NELAP | OR |
| 9540 - 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)             | EPA 1613B  | 10120602 | NELAP | OR |
| 9540 - 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)             | EPA 8290   | 10187209 | NELAP | OR |
| 9543 - 1,2,3,7,8-Pentachlorodibenzofuran                                   | EPA 1613B  | 10120602 | NELAP | OR |

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|                                                                  |            |          |       |    |
|------------------------------------------------------------------|------------|----------|-------|----|
| (1,2,3,7,8-Pecdf)                                                |            |          |       |    |
| 9543 - 1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)       | EPA 8290   | 10187209 | NELAP | OR |
| 9549 - 2,3,4,7,8-Pentachlorodibenzofuran                         | EPA 1613B  | 10120602 | NELAP | OR |
| 9549 - 2,3,4,7,8-Pentachlorodibenzofuran                         | EPA 8290   | 10187209 | NELAP | OR |
| 9552 - Total Pentachlorodibenzofuran (Total PECDF)               | EPA 1613B  | 10120602 | NELAP | OR |
| 9552 - Total Pentachlorodibenzofuran (Total PECDF)               | EPA 8290   | 10187209 | NELAP | OR |
| 9555 - Total Pentachlorodibenzo-p-dioxin (Total PECDD)           | EPA 1613B  | 10120602 | NELAP | OR |
| 9555 - Total Pentachlorodibenzo-p-dioxin (Total PECDD)           | EPA 8290   | 10187209 | NELAP | OR |
| 9563 - Perfluorotridecanoic acid (PFTrDA)                        | VAL SOP 49 | 60048524 | NELAP | OR |
| 9609 - Total Tetrachlorodibenzo-p-dioxin (Total TCDD)            | EPA 1613B  | 10120602 | NELAP | OR |
| 9609 - Total Tetrachlorodibenzo-p-dioxin (Total TCDD)            | EPA 8290   | 10187209 | NELAP | OR |
| 9612 - 2,3,7,8-Tetrachlorodibenzofuran (TCDF)                    | EPA 1613B  | 10120602 | NELAP | OR |
| 9612 - 2,3,7,8-Tetrachlorodibenzofuran (TCDF)                    | EPA 8290   | 10187209 | NELAP | OR |
| 9615 - Total Tetrachlorodibenzofuran (Total TCDF)                | EPA 1613B  | 10120602 | NELAP | OR |
| 9615 - Total Tetrachlorodibenzofuran (Total TCDF)                | EPA 8290   | 10187209 | NELAP | OR |
| 9616 - 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | VAL SOP 49 | 60048524 | NELAP | OR |
| 9618 - 2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)       | EPA 1613B  | 10120602 | NELAP | OR |
| 9618 - 2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)       | EPA 8290   | 10187209 | NELAP | OR |

### Solid Chemical Materials

| Analyte                                                          | Method Name | Method Code | Type  | AB |
|------------------------------------------------------------------|-------------|-------------|-------|----|
| 4846 - N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | VAL SOP 49  | 60048524    | NELAP | OR |
| 4847 - N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | VAL SOP 49  | 60048524    | NELAP | OR |
| 6898 - Sodium perfluoro-1-propanesulfonate (PFPrS)               | VAL SOP 49  | 60048524    | NELAP | OR |
| 6899 - Potassium perfluoro-4-ethylcyclohexanesulfonate (PFecHS)  | VAL SOP 49  | 60048524    | NELAP | OR |
| 6901 - Perfluorohexadecanoic acid (PFHXDA)                       | VAL SOP 49  | 60048524    | NELAP | OR |
| 6902 - Perfluorotetradecanoic acid (PFTDA)                       | VAL SOP 49  | 60048524    | NELAP | OR |
| 6903 - Perfluorododecanoic acid (PFDOA)                          | VAL SOP 49  | 60048524    | NELAP | OR |
| 6904 - Perfluoroundecanoic acid (PFUnDA)                         | VAL SOP 49  | 60048524    | NELAP | OR |
| 6905 - Perfluorodecanoic acid (PFDA)                             | VAL SOP 49  | 60048524    | NELAP | OR |

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|-------------------------------------------------------------------------|------------|----------|-------|----|
| 6906 - Perfluorononanoic acid (PFNA)                                    | VAL SOP 49 | 60048524 | NELAP | OR |
| 6908 - Perfluoroheptanoic acid (PFHpA)                                  | VAL SOP 49 | 60048524 | NELAP | OR |
| 6912 - Perfluorooctanoic acid (PFOA)                                    | VAL SOP 49 | 60048524 | NELAP | OR |
| 6913 - Perfluorohexanoic acid (PFHxA)                                   | VAL SOP 49 | 60048524 | NELAP | OR |
| 6914 - Perfluoropentanoic acid (PFPeA)                                  | VAL SOP 49 | 60048524 | NELAP | OR |
| 6915 - Perfluorobutanoic acid (PFBA)                                    | VAL SOP 49 | 60048524 | NELAP | OR |
| 6916 - Perfluorooctadecanoic acid (PFODA)                               | VAL SOP 49 | 60048524 | NELAP | OR |
| 6917 - Perfluorooctane sulfonamide (PFOSAm)                             | VAL SOP 49 | 60048524 | NELAP | OR |
| 6918 - Perfluorobutane sulfonic acid (PFBS)                             | VAL SOP 49 | 60048524 | NELAP | OR |
| 6920 - Perfluorodecane sulfonic acid (PFDS)                             | VAL SOP 49 | 60048524 | NELAP | OR |
| 6923 - Perfluorododecane sulfonic acid (PFDoS)                          | VAL SOP 49 | 60048524 | NELAP | OR |
| 6927 - Perfluorohexane sulfonic acid (PFHxS)                            | VAL SOP 49 | 60048524 | NELAP | OR |
| 6929 - Perfluorononane sulfonic acid (PFNS)                             | VAL SOP 49 | 60048524 | NELAP | OR |
| 6931 - Perfluorooctane sulfonic acid (PFOS)                             | VAL SOP 49 | 60048524 | NELAP | OR |
| 6934 - Perfluoropentane sulfonic acid (PFPeS)                           | VAL SOP 49 | 60048524 | NELAP | OR |
| 6946 - 1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)            | VAL SOP 49 | 60048524 | NELAP | OR |
| 6947 - 1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)            | VAL SOP 49 | 60048524 | NELAP | OR |
| 6948 - 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)            | VAL SOP 49 | 60048524 | NELAP | OR |
| 6949 - N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)             | VAL SOP 49 | 60048524 | NELAP | OR |
| 6951 - 4,8-Dioxo-3H-perfluorononanoic acid (DONA)                       | VAL SOP 49 | 60048524 | NELAP | OR |
| 6952 - 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) | VAL SOP 49 | 60048524 | NELAP | OR |
| 6955 - N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)         | VAL SOP 49 | 60048524 | NELAP | OR |
| 6956 - Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)                       | VAL SOP 49 | 60048524 | NELAP | OR |
| 6957 - Perfluoro(2-ethoxyethane) sulfonic acid (PFEEESA)                | VAL SOP 49 | 60048524 | NELAP | OR |
| 6965 - Perfluoro-3-methoxypropanoic acid (PFMPA)                        | VAL SOP 49 | 60048524 | NELAP | OR |
| 6966 - Perfluoro-4-methoxybutanoic acid (PFMBA)                         | VAL SOP 49 | 60048524 | NELAP | OR |
| 9338 - 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)                    | VAL SOP 49 | 60048524 | NELAP | OR |
| 9353 - 4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)                | VAL SOP 49 | 60048524 | NELAP | OR |
| 9395 - N-Ethylperfluorooctane sulfonamide (EtFOSAm)                     | VAL SOP 49 | 60048524 | NELAP | OR |
| 9420 - 1,2,3,4,6,7,8-                                                   | EPA 8290   | 10187209 | NELAP | OR |

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|                                                                            |            |          |       |    |  |
|----------------------------------------------------------------------------|------------|----------|-------|----|--|
| Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF)                              |            |          |       |    |  |
| 9423 - 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-HpCDF)         | EPA 8290   | 10187209 | NELAP | OR |  |
| 9426 - 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD)     | EPA 8290   | 10187209 | NELAP | OR |  |
| 9431 - N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)                 | VAL SOP 49 | 60048524 | NELAP | OR |  |
| 9433 - N-Methylperfluorooctane sulfonamide (MeFOSA)                        | VAL SOP 49 | 60048524 | NELAP | OR |  |
| 9438 - Total Heptachlorodibenzo-p-dioxin (Total HPCDD)                     | EPA 8290   | 10187209 | NELAP | OR |  |
| 9444 - Total Heptachlorodibenzofuran (Total HPCDF)                         | EPA 8290   | 10187209 | NELAP | OR |  |
| 9453 - 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-HxCDD)          | EPA 8290   | 10187209 | NELAP | OR |  |
| 9456 - 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,6,7,8-HxCDD)          | EPA 8290   | 10187209 | NELAP | OR |  |
| 9459 - 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-HxCDD)          | EPA 8290   | 10187209 | NELAP | OR |  |
| 9460 - Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)                | VAL SOP 49 | 60048524 | NELAP | OR |  |
| 9468 - Total Hexachlorodibenzo-p-dioxin (Total HXCDD)                      | EPA 8290   | 10187209 | NELAP | OR |  |
| 9470 - Perfluoroheptane sulfonic acid (PFHpS)                              | VAL SOP 49 | 60048524 | NELAP | OR |  |
| 9471 - 1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-HxCDF)              | EPA 8290   | 10187209 | NELAP | OR |  |
| 9474 - 1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-HxCDF)              | EPA 8290   | 10187209 | NELAP | OR |  |
| 9477 - 1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-HxCDF)              | EPA 8290   | 10187209 | NELAP | OR |  |
| 9480 - 2,3,4,6,7,8-Hexachlorodibenzofuran                                  | EPA 8290   | 10187209 | NELAP | OR |  |
| 9483 - Total Hexachlorodibenzofuran (Total HXCDF)                          | EPA 8290   | 10187209 | NELAP | OR |  |
| 9490 - 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) | VAL SOP 49 | 60048524 | NELAP | OR |  |
| 9516 - 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)                       | EPA 8290   | 10187209 | NELAP | OR |  |
| 9519 - 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)                   | EPA 8290   | 10187209 | NELAP | OR |  |
| 9540 - 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-PeCDD)             | EPA 8290   | 10187209 | NELAP | OR |  |
| 9543 - 1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-PeCDF)                 | EPA 8290   | 10187209 | NELAP | OR |  |
| 9549 - 2,3,4,7,8-Pentachlorodibenzofuran                                   | EPA 8290   | 10187209 | NELAP | OR |  |
| 9552 - Total Pentachlorodibenzofuran (Total PECDF)                         | EPA 8290   | 10187209 | NELAP | OR |  |
| 9555 - Total Pentachlorodibenzo-p-dioxin (Total PECDD)                     | EPA 8290   | 10187209 | NELAP | OR |  |
| 9563 - Perfluorotridecanoic acid (PFTrDA)                                  | VAL SOP 49 | 60048524 | NELAP | OR |  |
| 9609 - Total Tetrachlorodibenzo-p-dioxin                                   | EPA 8290   | 10187209 | NELAP | OR |  |

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1104 Winnfield Way, El Dorado Hills, California 95762-9622

Certificate Number: 01977

Enthalpy Analytical LLC  
AI Number: 30650  
Activity No. ACC20250001  
Expiration Date: June 30, 2026

(Total TCDD)

|                                                                  |            |          |       |    |
|------------------------------------------------------------------|------------|----------|-------|----|
| 9612 - 2,3,7,8-Tetrachlorodibenzofuran (TCDF)                    | EPA 8290   | 10187209 | NELAP | OR |
| 9615 - Total Tetrachlorodibenzofuran (Total TCDF)                | EPA 8290   | 10187209 | NELAP | OR |
| 9616 - 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS) | VAL SOP 49 | 60048524 | NELAP | OR |
| 9618 - 2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)       | EPA 8290   | 10187209 | NELAP | OR |

## Biological Tissue

| Analyte                                                                | Method Name | Method Code | Type  | AB |
|------------------------------------------------------------------------|-------------|-------------|-------|----|
| 9420 - 1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)                   | EPA 1613B   | 10120602    | NELAP | OR |
| 9420 - 1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)                   | EPA 8290    | 10187209    | NELAP | OR |
| 9423 - 1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)                   | EPA 1613B   | 10120602    | NELAP | OR |
| 9423 - 1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)                   | EPA 8290    | 10187209    | NELAP | OR |
| 9426 - 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD) | EPA 1613B   | 10120602    | NELAP | OR |
| 9426 - 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD) | EPA 8290    | 10187209    | NELAP | OR |
| 9438 - Total Heptachlorodibenzo-p-dioxin (Total HPCDD)                 | EPA 1613B   | 10120602    | NELAP | OR |
| 9438 - Total Heptachlorodibenzo-p-dioxin (Total HPCDD)                 | EPA 8290    | 10187209    | NELAP | OR |
| 9444 - Total Heptachlorodibenzofuran (Total HPCDF)                     | EPA 1613B   | 10120602    | NELAP | OR |
| 9444 - Total Heptachlorodibenzofuran (Total HPCDF)                     | EPA 8290    | 10187209    | NELAP | OR |
| 9453 - 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-HxCDD)      | EPA 1613B   | 10120602    | NELAP | OR |
| 9453 - 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-HxCDD)      | EPA 8290    | 10187209    | NELAP | OR |
| 9456 - 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-HxCDD)       | EPA 1613B   | 10120602    | NELAP | OR |
| 9456 - 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-HxCDD)       | EPA 8290    | 10187209    | NELAP | OR |
| 9459 - 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-HxCDD)      | EPA 1613B   | 10120602    | NELAP | OR |
| 9459 - 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-HxCDD)      | EPA 8290    | 10187209    | NELAP | OR |
| 9468 - Total Hexachlorodibenzo-p-dioxin (Total HXCDD)                  | EPA 1613B   | 10120602    | NELAP | OR |
| 9468 - Total Hexachlorodibenzo-p-dioxin                                | EPA 8290    | 10187209    | NELAP | OR |

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Certificate Number: 01977

(Total HXCDD)

|                                                                |           |          |       |    |
|----------------------------------------------------------------|-----------|----------|-------|----|
| 9471 - 1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)  | EPA 1613B | 10120602 | NELAP | OR |
| 9471 - 1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)  | EPA 8290  | 10187209 | NELAP | OR |
| 9474 - 1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)  | EPA 1613B | 10120602 | NELAP | OR |
| 9474 - 1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)  | EPA 8290  | 10187209 | NELAP | OR |
| 9477 - 1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)  | EPA 1613B | 10120602 | NELAP | OR |
| 9477 - 1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)  | EPA 8290  | 10187209 | NELAP | OR |
| 9480 - 2,3,4,6,7,8-Hexachlorodibenzofuran                      | EPA 1613B | 10120602 | NELAP | OR |
| 9480 - 2,3,4,6,7,8-Hexachlorodibenzofuran                      | EPA 8290  | 10187209 | NELAP | OR |
| 9483 - Total Hexachlorodibenzofuran (Total HXCDF)              | EPA 1613B | 10120602 | NELAP | OR |
| 9483 - Total Hexachlorodibenzofuran (Total HXCDF)              | EPA 8290  | 10187209 | NELAP | OR |
| 9516 - 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)           | EPA 1613B | 10120602 | NELAP | OR |
| 9516 - 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)           | EPA 8290  | 10187209 | NELAP | OR |
| 9519 - 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)       | EPA 1613B | 10120602 | NELAP | OR |
| 9519 - 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)       | EPA 8290  | 10187209 | NELAP | OR |
| 9540 - 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd) | EPA 1613B | 10120602 | NELAP | OR |
| 9540 - 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd) | EPA 8290  | 10187209 | NELAP | OR |
| 9543 - 1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)     | EPA 1613B | 10120602 | NELAP | OR |
| 9543 - 1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)     | EPA 8290  | 10187209 | NELAP | OR |
| 9549 - 2,3,4,7,8-Pentachlorodibenzofuran                       | EPA 1613B | 10120602 | NELAP | OR |
| 9549 - 2,3,4,7,8-Pentachlorodibenzofuran                       | EPA 8290  | 10187209 | NELAP | OR |
| 9552 - Total Pentachlorodibenzofuran (Total PECDF)             | EPA 1613B | 10120602 | NELAP | OR |
| 9552 - Total Pentachlorodibenzofuran (Total PECDF)             | EPA 8290  | 10187209 | NELAP | OR |
| 9555 - Total Pentachlorodibenzo-p-dioxin (Total PECDD)         | EPA 1613B | 10120602 | NELAP | OR |
| 9555 - Total Pentachlorodibenzo-p-dioxin (Total PECDD)         | EPA 8290  | 10187209 | NELAP | OR |
| 9609 - Total Tetrachlorodibenzo-p-dioxin (Total TCDD)          | EPA 1613B | 10120602 | NELAP | OR |
| 9609 - Total Tetrachlorodibenzo-p-dioxin (Total TCDD)          | EPA 8290  | 10187209 | NELAP | OR |
| 9612 - 2,3,7,8-Tetrachlorodibenzofuran (TCDF)                  | EPA 1613B | 10120602 | NELAP | OR |
| 9612 - 2,3,7,8-Tetrachlorodibenzofuran (TCDF)                  | EPA 8290  | 10187209 | NELAP | OR |
| 9615 - Total Tetrachlorodibenzofuran (Total                    | EPA 1613B | 10120602 | NELAP | OR |

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|                                                            |           |          |       |    |
|------------------------------------------------------------|-----------|----------|-------|----|
| TCDF)                                                      |           |          |       |    |
| 9615 - Total Tetrachlorodibenzofuran (Total TCDF)          | EPA 8290  | 10187209 | NELAP | OR |
| 9618 - 2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) | EPA 1613B | 10120602 | NELAP | OR |
| 9618 - 2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) | EPA 8290  | 10187209 | NELAP | OR |