



STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

Is hereby granting a Louisiana Environmental Laboratory Accreditation to



Enthalpy Analytical LLC
2714 Exchange Dr
Wilmington, North Carolina 28405

Agency Interest No. 205446
Activity No. ACC20220001

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 2009 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: 6/20/2023

Effective Date: **July 1, 2023**

Expiration Date: **June 30, 2024**

Certificate Number: **05075**



STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

Effective Date: July 1, 2023

2714 Exchange Dr, Wilmington, North Carolina 28405

Certificate Number: 05075

Enthalpy Analytical LLC
AI Number: 205446
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Air Emissions

Analyte	Method Name	Method Code	Type	AB
6385 - 2-Methylnaphthalene	SOP EU-052	9331	NELAP	LA
5500 - Acenaphthene	SOP EU-052	9331	NELAP	LA
5505 - Acenaphthylene	SOP EU-052	9331	NELAP	LA
5555 - Anthracene	SOP EU-052	9331	NELAP	LA
5575 - Benzo(a)anthracene	SOP EU-052	9331	NELAP	LA
5580 - Benzo(a)pyrene	SOP EU-052	9331	NELAP	LA
5585 - Benzo(b)fluoranthene	SOP EU-052	9331	NELAP	LA
5605 - Benzo(e)pyrene	SOP EU-052	9331	NELAP	LA
5590 - Benzo(g,h,i)perylene	SOP EU-052	9331	NELAP	LA
5600 - Benzo(k)fluoranthene	SOP EU-052	9331	NELAP	LA
5855 - Chrysene	SOP EU-052	9331	NELAP	LA
5895 - Dibenzo(a,h)anthracene	SOP EU-052	9331	NELAP	LA
6265 - Fluoranthene	SOP EU-052	9331	NELAP	LA
6270 - Fluorene	SOP EU-052	9331	NELAP	LA
6315 - Indeno(1,2,3-cd)pyrene	SOP EU-052	9331	NELAP	LA
5005 - Naphthalene	SOP EU-052	9331	NELAP	LA
6608 - Perylene	SOP EU-052	9331	NELAP	LA
6615 - Phenanthrene	SOP EU-052	9331	NELAP	LA
6665 - Pyrene	SOP EU-052	9331	NELAP	LA
9519 - 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA Method 23	10246705	NELAP	LA
9516 - 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA Method 23	10246705	NELAP	LA
9426 - 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	EPA Method 23	10246705	NELAP	LA
9420 - 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	EPA Method 23	10246705	NELAP	LA
9423 - 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	EPA Method 23	10246705	NELAP	LA
9453 - 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	EPA Method 23	10246705	NELAP	LA
9471 - 1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	EPA Method 23	10246705	NELAP	LA
9456 - 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	EPA Method 23	10246705	NELAP	LA
9474 - 1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	EPA Method 23	10246705	NELAP	LA
9459 - 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	EPA Method 23	10246705	NELAP	LA
9477 - 1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	EPA Method 23	10246705	NELAP	LA
9540 - 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	EPA Method 23	10246705	NELAP	LA
9543 - 1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	EPA Method 23	10246705	NELAP	LA
9480 - 2,3,4,6,7,8-Hexachlorodibenzofuran	EPA Method 23	10246705	NELAP	LA
9549 - 2,3,4,7,8-Pentachlorodibenzofuran	EPA Method 23	10246705	NELAP	LA

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Air Emissions

Analyte	Method Name	Method Code	Type	AB
9618 - 2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	EPA Method 23	10246705	NELAP	LA
9612 - 2,3,7,8-Tetrachlorodibenzofuran	EPA Method 23	10246705	NELAP	LA
9438 - Total Hpcdd	EPA Method 23	10246705	NELAP	LA
9444 - Total Hpcdf	EPA Method 23	10246705	NELAP	LA
9468 - Total Hxcdd	EPA Method 23	10246705	NELAP	LA
9483 - Total Hxcdf	EPA Method 23	10246705	NELAP	LA
9555 - Total Pecdd	EPA Method 23	10246705	NELAP	LA
9552 - Total Pecdf	EPA Method 23	10246705	NELAP	LA
9609 - Total TCDD	EPA Method 23	10246705	NELAP	LA
9615 - Total TCDF	EPA Method 23	10246705	NELAP	LA

Non Potable Water

Analyte	Method Name	Method Code	Type	AB
6457 - 6:2 Fluorotelomersulfonate (6:2FTS)	SOP EU-047	9359	NELAP	LA
6461 - 8:2 Fluorotelomersulfonate (8:2FTS)	SOP EU-047	9359	NELAP	LA
9437 - Fluorotelomer sulfonate 4:2 (FtS 4:2)	SOP EU-047	9359	NELAP	LA
4847 - (N-Methyl-perfluorooctane sulfonamido) acetic acid (2-(N-methyl-perfluorooctane sulfonamido) acetic acid)	SOP EU-047	9359	NELAP	LA
9460 - Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	SOP EU-047	9359	NELAP	LA
4846 - N-Ethylperfluorooctane sufonamido acetic acid (NEtFOSAA)	SOP EU-047	9359	NELAP	LA
6911 - Perfluorobutane sulfonate (PFBS)	SOP EU-047	9359	NELAP	LA
6915 - Perfluorobutyric acid (PFBA)	SOP EU-047	9359	NELAP	LA
9562 - Perfluorodecane Sulfonate (PFDS)	SOP EU-047	9359	NELAP	LA
6905 - Perfluorodecanoic acid (PFDA)	SOP EU-047	9359	NELAP	LA
6903 - Perfluorododecanoic acid (PFDOA)	SOP EU-047	9359	NELAP	LA
9470 - Perfluoroheptane sulfonic acid (PFHpS)	SOP EU-047	9359	NELAP	LA
6908 - Perfluoroheptanoic acid (PFHPA)	SOP EU-047	9359	NELAP	LA
6910 - Perfluorohexane sulfonate (PFHXS)	SOP EU-047	9359	NELAP	LA
6913 - Perfluorohexanoic acid (PFHXA)	SOP EU-047	9359	NELAP	LA
9464 - Perfluorononanesulfonate (PFNS)	SOP EU-047	9359	NELAP	LA
6906 - Perfluorononanoic acid (PFNA)	SOP EU-047	9359	NELAP	LA
6917 - Perfluorooctane sulfonamide (PFOSAm)	SOP EU-047	9359	NELAP	LA
6909 - Perfluorooctane sulfonate (PFOS)	SOP EU-047	9359	NELAP	LA
6912 - Perfluorooctanoic acid (PFOA)	SOP EU-047	9359	NELAP	LA
6914 - Perfluoropentanoic acid (PFPEA)	SOP EU-047	9359	NELAP	LA
9467 - Perfluoropentansulfonate (PFPeS)	SOP EU-047	9359	NELAP	LA
6902 - Perfluorotetradecanoic acid (PFTDA)	SOP EU-047	9359	NELAP	LA
9563 - Perfluorotridecanoic acid (PFTrDA)	SOP EU-047	9359	NELAP	LA
6904 - Perfluoroundecanoic acid (PFUnDA)	SOP EU-047	9359	NELAP	LA
9519 - 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 1613B	10120602	NELAP	LA
9516 - 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 1613B	10120602	NELAP	LA

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Non Potable Water

Analyte	Method Name	Method Code	Type	AB
9426 - 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	EPA 1613B	10120602	NELAP	LA
9420 - 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	EPA 1613B	10120602	NELAP	LA
9423 - 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	EPA 1613B	10120602	NELAP	LA
9453 - 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	EPA 1613B	10120602	NELAP	LA
9471 - 1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	EPA 1613B	10120602	NELAP	LA
9456 - 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	EPA 1613B	10120602	NELAP	LA
9474 - 1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	EPA 1613B	10120602	NELAP	LA
9459 - 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	EPA 1613B	10120602	NELAP	LA
9477 - 1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	EPA 1613B	10120602	NELAP	LA
9540 - 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	EPA 1613B	10120602	NELAP	LA
9543 - 1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	EPA 1613B	10120602	NELAP	LA
9480 - 2,3,4,6,7,8-Hexachlorodibenzofuran	EPA 1613B	10120602	NELAP	LA
9549 - 2,3,4,7,8-Pentachlorodibenzofuran	EPA 1613B	10120602	NELAP	LA
9618 - 2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	EPA 1613B	10120602	NELAP	LA
9612 - 2,3,7,8-Tetrachlorodibenzofuran	EPA 1613B	10120602	NELAP	LA
9438 - Total Hpcdd	EPA 1613B	10120602	NELAP	LA
9444 - Total Hpcdf	EPA 1613B	10120602	NELAP	LA
9468 - Total Hxcdd	EPA 1613B	10120602	NELAP	LA
9483 - Total Hxcdf	EPA 1613B	10120602	NELAP	LA
9555 - Total Pecdd	EPA 1613B	10120602	NELAP	LA
9552 - Total Pecdf	EPA 1613B	10120602	NELAP	LA
9609 - Total TCDD	EPA 1613B	10120602	NELAP	LA
9615 - Total TCDF	EPA 1613B	10120602	NELAP	LA
9519 - 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 8290	10187209	NELAP	LA
9516 - 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 8290	10187209	NELAP	LA
9426 - 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	EPA 8290	10187209	NELAP	LA
9420 - 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	EPA 8290	10187209	NELAP	LA
9423 - 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	EPA 8290	10187209	NELAP	LA
9453 - 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	EPA 8290	10187209	NELAP	LA

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Non Potable Water

Analyte	Method Name	Method Code	Type	AB
9471 - 1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	EPA 8290	10187209	NELAP	LA
9456 - 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	EPA 8290	10187209	NELAP	LA
9474 - 1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	EPA 8290	10187209	NELAP	LA
9459 - 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	EPA 8290	10187209	NELAP	LA
9477 - 1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	EPA 8290	10187209	NELAP	LA
9540 - 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	EPA 8290	10187209	NELAP	LA
9543 - 1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	EPA 8290	10187209	NELAP	LA
9480 - 2,3,4,6,7,8-Hexachlorodibenzofuran	EPA 8290	10187209	NELAP	LA
9549 - 2,3,4,7,8-Pentachlorodibenzofuran	EPA 8290	10187209	NELAP	LA
9618 - 2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	EPA 8290	10187209	NELAP	LA
9612 - 2,3,7,8-Tetrachlorodibenzofuran	EPA 8290	10187209	NELAP	LA
9438 - Total Hpcdd	EPA 8290	10187209	NELAP	LA
9444 - Total Hpcdf	EPA 8290	10187209	NELAP	LA
9468 - Total Hxcdd	EPA 8290	10187209	NELAP	LA
9483 - Total Hxcdf	EPA 8290	10187209	NELAP	LA
9555 - Total Pecdd	EPA 8290	10187209	NELAP	LA
9552 - Total Pecdf	EPA 8290	10187209	NELAP	LA
9609 - Total TCDD	EPA 8290	10187209	NELAP	LA
9615 - Total TCDF	EPA 8290	10187209	NELAP	LA
9519 - 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9516 - 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9426 - 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9420 - 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9423 - 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9453 - 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9471 - 1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9456 - 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9474 - 1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9459 - 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9477 - 1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9540 - 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9543 - 1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9480 - 2,3,4,6,7,8-Hexachlorodibenzofuran	EPA 8290A, Rev.2007	10187403	NELAP	LA

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Non Potable Water

Analyte	Method Name	Method Code	Type	AB
9549 - 2,3,4,7,8-Pentachlorodibenzofuran	EPA 8290A, Rev.2007	10187403	NELAP	LA
9618 - 2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9612 - 2,3,7,8-Tetrachlorodibenzofuran	EPA 8290A, Rev.2007	10187403	NELAP	LA
9438 - Total Hpcdd	EPA 8290A, Rev.2007	10187403	NELAP	LA
9444 - Total Hpcdf	EPA 8290A, Rev.2007	10187403	NELAP	LA
9468 - Total Hxcdd	EPA 8290A, Rev.2007	10187403	NELAP	LA
9483 - Total Hxcdf	EPA 8290A, Rev.2007	10187403	NELAP	LA
9555 - Total Pecdd	EPA 8290A, Rev.2007	10187403	NELAP	LA
9552 - Total Pecdf	EPA 8290A, Rev.2007	10187403	NELAP	LA
9609 - Total TCDD	EPA 8290A, Rev.2007	10187403	NELAP	LA
9615 - Total TCDF	EPA 8290A, Rev.2007	10187403	NELAP	LA

Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
6385 - 2-Methylnaphthalene	SOP EU-052	9331	NELAP	LA
5500 - Acenaphthene	SOP EU-052	9331	NELAP	LA
5505 - Acenaphthylene	SOP EU-052	9331	NELAP	LA
5555 - Anthracene	SOP EU-052	9331	NELAP	LA
5575 - Benzo(a)anthracene	SOP EU-052	9331	NELAP	LA
5580 - Benzo(a)pyrene	SOP EU-052	9331	NELAP	LA
5585 - Benzo(b)fluoranthene	SOP EU-052	9331	NELAP	LA
5605 - Benzo(e)pyrene	SOP EU-052	9331	NELAP	LA
5590 - Benzo(g,h,i)perylene	SOP EU-052	9331	NELAP	LA
5600 - Benzo(k)fluoranthene	SOP EU-052	9331	NELAP	LA
5855 - Chrysene	SOP EU-052	9331	NELAP	LA
5895 - Dibenzo(a,h)anthracene	SOP EU-052	9331	NELAP	LA
6265 - Fluoranthene	SOP EU-052	9331	NELAP	LA
6270 - Fluorene	SOP EU-052	9331	NELAP	LA
6315 - Indeno(1,2,3-cd)pyrene	SOP EU-052	9331	NELAP	LA
5005 - Naphthalene	SOP EU-052	9331	NELAP	LA
6608 - Perylene	SOP EU-052	9331	NELAP	LA
6615 - Phenanthrene	SOP EU-052	9331	NELAP	LA
6665 - Pyrene	SOP EU-052	9331	NELAP	LA
6457 - 6:2 Fluorotelomersulfonate (6:2FTS)	SOP EU-047	9359	NELAP	LA
6461 - 8:2 Fluorotelomersulfonate (8:2FTS)	SOP EU-047	9359	NELAP	LA
9437 - Fluorotelomer sulfonate 4:2 (FtS 4:2)	SOP EU-047	9359	NELAP	LA
4847 - (N-Methyl-perfluorooctane sulfonamido) acetic acid (2-(N-methyl-perfluorooctane sulfonamido) acetic acid)	SOP EU-047	9359	NELAP	LA
9460 - Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	SOP EU-047	9359	NELAP	LA
4846 - N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	SOP EU-047	9359	NELAP	LA
6911 - Perfluorobutane sulfonate (PFBS)	SOP EU-047	9359	NELAP	LA

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Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
6915 - Perfluorobutyric acid (PFBA)	SOP EU-047	9359	NELAP	LA
9562 - Perfluorodecane Sulfonate (PFDS)	SOP EU-047	9359	NELAP	LA
6905 - Perfluorodecanoic acid (PFDA)	SOP EU-047	9359	NELAP	LA
6903 - Perfluorododecanoic acid (PFDOA)	SOP EU-047	9359	NELAP	LA
9470 - Perfluoroheptane sulfonic acid (PFHpS)	SOP EU-047	9359	NELAP	LA
6908 - Perfluoroheptanoic acid (PFHPA)	SOP EU-047	9359	NELAP	LA
6910 - Perfluorohexane sulfonate (PFHXS)	SOP EU-047	9359	NELAP	LA
6913 - Perfluorohexanoic acid (PFHXA)	SOP EU-047	9359	NELAP	LA
9464 - Perfluorononanesulfonate (PFNS)	SOP EU-047	9359	NELAP	LA
6906 - Perfluorononanoic acid (PFNA)	SOP EU-047	9359	NELAP	LA
6917 - Perfluorooctane sulfonamide (PFOSAm)	SOP EU-047	9359	NELAP	LA
6909 - Perfluorooctane sulfonate (PFOS)	SOP EU-047	9359	NELAP	LA
6912 - Perfluorooctanoic acid (PFOA)	SOP EU-047	9359	NELAP	LA
6914 - Perfluoropentanoic acid (PFPEA)	SOP EU-047	9359	NELAP	LA
9467 - Perfluoropentansulfonate (PFPeS)	SOP EU-047	9359	NELAP	LA
6902 - Perfluorotetradecanoic acid (PFTDA)	SOP EU-047	9359	NELAP	LA
9563 - Perfluorotridecanoic acid (PFTTrDA)	SOP EU-047	9359	NELAP	LA
6904 - Perfluoroundecanoic acid (PFUnDA)	SOP EU-047	9359	NELAP	LA
9519 - 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 1613B	10120602	NELAP	LA
9516 - 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 1613B	10120602	NELAP	LA
9426 - 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	EPA 1613B	10120602	NELAP	LA
9420 - 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	EPA 1613B	10120602	NELAP	LA
9423 - 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	EPA 1613B	10120602	NELAP	LA
9453 - 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	EPA 1613B	10120602	NELAP	LA
9471 - 1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	EPA 1613B	10120602	NELAP	LA
9456 - 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	EPA 1613B	10120602	NELAP	LA
9474 - 1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	EPA 1613B	10120602	NELAP	LA
9459 - 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	EPA 1613B	10120602	NELAP	LA
9477 - 1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	EPA 1613B	10120602	NELAP	LA
9540 - 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	EPA 1613B	10120602	NELAP	LA
9543 - 1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	EPA 1613B	10120602	NELAP	LA
9480 - 2,3,4,6,7,8-Hexachlorodibenzofuran	EPA 1613B	10120602	NELAP	LA
9549 - 2,3,4,7,8-Pentachlorodibenzofuran	EPA 1613B	10120602	NELAP	LA
9618 - 2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	EPA 1613B	10120602	NELAP	LA
9612 - 2,3,7,8-Tetrachlorodibenzofuran	EPA 1613B	10120602	NELAP	LA
9438 - Total Hpcdd	EPA 1613B	10120602	NELAP	LA
9444 - Total Hpcdf	EPA 1613B	10120602	NELAP	LA

Enthalpy Analytical LLC

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Activity No. ACC20220001
Expiration Date: June 30, 2024

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

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2714 Exchange Dr, Wilmington, North Carolina 28405

Certificate Number: 05075

Enthalpy Analytical LLC
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Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
9468 - Total Hxcdd	EPA 1613B	10120602	NELAP	LA
9483 - Total Hxcdf	EPA 1613B	10120602	NELAP	LA
9555 - Total Pecdd	EPA 1613B	10120602	NELAP	LA
9552 - Total Pecdf	EPA 1613B	10120602	NELAP	LA
9609 - Total TCDD	EPA 1613B	10120602	NELAP	LA
9615 - Total TCDF	EPA 1613B	10120602	NELAP	LA
9519 - 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 8290	10187209	NELAP	LA
9516 - 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 8290	10187209	NELAP	LA
9426 - 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	EPA 8290	10187209	NELAP	LA
9420 - 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	EPA 8290	10187209	NELAP	LA
9423 - 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	EPA 8290	10187209	NELAP	LA
9453 - 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	EPA 8290	10187209	NELAP	LA
9471 - 1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	EPA 8290	10187209	NELAP	LA
9456 - 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	EPA 8290	10187209	NELAP	LA
9474 - 1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	EPA 8290	10187209	NELAP	LA
9459 - 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	EPA 8290	10187209	NELAP	LA
9477 - 1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	EPA 8290	10187209	NELAP	LA
9540 - 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	EPA 8290	10187209	NELAP	LA
9543 - 1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	EPA 8290	10187209	NELAP	LA
9480 - 2,3,4,6,7,8-Hexachlorodibenzofuran	EPA 8290	10187209	NELAP	LA
9549 - 2,3,4,7,8-Pentachlorodibenzofuran	EPA 8290	10187209	NELAP	LA
9618 - 2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	EPA 8290	10187209	NELAP	LA
9612 - 2,3,7,8-Tetrachlorodibenzofuran	EPA 8290	10187209	NELAP	LA
9438 - Total Hpcdd	EPA 8290	10187209	NELAP	LA
9444 - Total Hpcdf	EPA 8290	10187209	NELAP	LA
9468 - Total Hxcdd	EPA 8290	10187209	NELAP	LA
9483 - Total Hxcdf	EPA 8290	10187209	NELAP	LA
9555 - Total Pecdd	EPA 8290	10187209	NELAP	LA
9552 - Total Pecdf	EPA 8290	10187209	NELAP	LA
9609 - Total TCDD	EPA 8290	10187209	NELAP	LA
9615 - Total TCDF	EPA 8290	10187209	NELAP	LA
9519 - 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9516 - 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 8290A, Rev.2007	10187403	NELAP	LA

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Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
9426 - 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9420 - 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9423 - 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9453 - 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9471 - 1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9456 - 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9474 - 1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9459 - 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9477 - 1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9540 - 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9543 - 1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9480 - 2,3,4,6,7,8-Hexachlorodibenzofuran	EPA 8290A, Rev.2007	10187403	NELAP	LA
9549 - 2,3,4,7,8-Pentachlorodibenzofuran	EPA 8290A, Rev.2007	10187403	NELAP	LA
9618 - 2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9612 - 2,3,7,8-Tetrachlorodibenzofuran	EPA 8290A, Rev.2007	10187403	NELAP	LA
9438 - Total Hpcdd	EPA 8290A, Rev.2007	10187403	NELAP	LA
9444 - Total Hpcdf	EPA 8290A, Rev.2007	10187403	NELAP	LA
9468 - Total Hxcdd	EPA 8290A, Rev.2007	10187403	NELAP	LA
9483 - Total Hxcdf	EPA 8290A, Rev.2007	10187403	NELAP	LA
9555 - Total Pecdd	EPA 8290A, Rev.2007	10187403	NELAP	LA
9552 - Total Pecdf	EPA 8290A, Rev.2007	10187403	NELAP	LA
9609 - Total TCDD	EPA 8290A, Rev.2007	10187403	NELAP	LA
9615 - Total TCDF	EPA 8290A, Rev.2007	10187403	NELAP	LA

Biological Tissue

Analyte	Method Name	Method Code	Type	AB
9519 - 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 1613B	10120602	NELAP	LA
9516 - 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 1613B	10120602	NELAP	LA
9426 - 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	EPA 1613B	10120602	NELAP	LA
9420 - 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	EPA 1613B	10120602	NELAP	LA
9423 - 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	EPA 1613B	10120602	NELAP	LA
9453 - 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	EPA 1613B	10120602	NELAP	LA

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Biological Tissue

Analyte	Method Name	Method Code	Type	AB
dioxin (1,2,3,4,7,8-Hxcdd)				
9471 - 1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	EPA 1613B	10120602	NELAP	LA
9456 - 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	EPA 1613B	10120602	NELAP	LA
9474 - 1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	EPA 1613B	10120602	NELAP	LA
9459 - 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	EPA 1613B	10120602	NELAP	LA
9477 - 1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	EPA 1613B	10120602	NELAP	LA
9540 - 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	EPA 1613B	10120602	NELAP	LA
9543 - 1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	EPA 1613B	10120602	NELAP	LA
9480 - 2,3,4,6,7,8-Hexachlorodibenzofuran	EPA 1613B	10120602	NELAP	LA
9549 - 2,3,4,7,8-Pentachlorodibenzofuran	EPA 1613B	10120602	NELAP	LA
9618 - 2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	EPA 1613B	10120602	NELAP	LA
9612 - 2,3,7,8-Tetrachlorodibenzofuran	EPA 1613B	10120602	NELAP	LA
9438 - Total Hpcdd	EPA 1613B	10120602	NELAP	LA
9444 - Total Hpcdf	EPA 1613B	10120602	NELAP	LA
9468 - Total Hxcdd	EPA 1613B	10120602	NELAP	LA
9483 - Total Hxcdf	EPA 1613B	10120602	NELAP	LA
9555 - Total Pecdd	EPA 1613B	10120602	NELAP	LA
9552 - Total Pecdf	EPA 1613B	10120602	NELAP	LA
9609 - Total TCDD	EPA 1613B	10120602	NELAP	LA
9615 - Total TCDF	EPA 1613B	10120602	NELAP	LA
9519 - 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9516 - 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9426 - 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9420 - 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9423 - 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9453 - 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9471 - 1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9456 - 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9474 - 1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9459 - 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9477 - 1,2,3,7,8,9-Hexachlorodibenzofuran	EPA 8290A, Rev.2007	10187403	NELAP	LA

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Biological Tissue

Analyte	Method Name	Method Code	Type	AB
(1,2,3,7,8,9-Hxcdf)				
9540 - 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9543 - 1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9480 - 2,3,4,6,7,8-Hexachlorodibenzofuran	EPA 8290A, Rev.2007	10187403	NELAP	LA
9549 - 2,3,4,7,8-Pentachlorodibenzofuran	EPA 8290A, Rev.2007	10187403	NELAP	LA
9618 - 2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	EPA 8290A, Rev.2007	10187403	NELAP	LA
9612 - 2,3,7,8-Tetrachlorodibenzofuran	EPA 8290A, Rev.2007	10187403	NELAP	LA
9438 - Total Hpcdd	EPA 8290A, Rev.2007	10187403	NELAP	LA
9444 - Total Hpcdf	EPA 8290A, Rev.2007	10187403	NELAP	LA
9468 - Total Hxcdd	EPA 8290A, Rev.2007	10187403	NELAP	LA
9483 - Total Hxcdf	EPA 8290A, Rev.2007	10187403	NELAP	LA
9555 - Total Pecdd	EPA 8290A, Rev.2007	10187403	NELAP	LA
9552 - Total Pecdf	EPA 8290A, Rev.2007	10187403	NELAP	LA
9609 - Total TCDD	EPA 8290A, Rev.2007	10187403	NELAP	LA
9615 - Total TCDF	EPA 8290A, Rev.2007	10187403	NELAP	LA

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