

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF LABORATORIES

LABORATORY ACCREDITATION PROGRAM

Certifies That

68-05611

Enthalpy Analytical LLC - Wilmington  
2714 Exchange Drive, Wilmington, NC, 28405

Having duly met the requirement of  
The act of June 29, 2002 (P.L. 596, No. 90)  
dealing with Environmental Laboratories Accreditation  
(27 Pa. C.S. 4104-4113) and the

National Environmental Laboratory Accreditation Program Standard  
is hereby approved as an

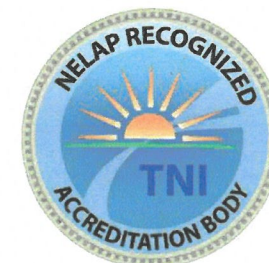
**Accredited Laboratory**

to conduct analysis within the fields of accreditations more fully described in the attached Scope of Accreditation

NELAP accreditation granted by the PA DEP to an environmental laboratory is conditioned upon continued compliance with the current edition of the NELAC Standard or TNI Standard and the following Subchapters and Sections of 25 Pa. Code Chapter 252: Subchapter A (relating to general provisions); Subchapter B (relating to application, fees and supporting documents); Subchapter E (relating to proficiency test study requirements); Subchapter F (relating to assessment requirements); Subchapter G (relating to miscellaneous provisions); Section 252.307; and Section 252.401.

Expiration Date: 12/31/2025

Certificate Number: 005



*Annamarie Beach*

Annamarie Beach, Chief  
Laboratory Accreditation Program  
Bureau of Laboratories

Continued accreditation status depends on successful ongoing participation in the program  
Certificate not transferable Surrender upon revocation  
To be conspicuously displayed at the Laboratory  
Not valid unless accompanied by a valid Scope of Accreditation  
Shall not be used to imply endorsement by the Commonwealth of Pennsylvania  
Customers are urged to verify the laboratory's current accreditation status  
PA DEP is a NELAP recognized accreditation body



Attached to Certificate of Accreditation 005-001 expiration date 12/31/2025. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Enthalpy Analytical LLC - Wilmington  
2714 Exchange Drive  
Wilmington, NC 28405  
910-212-5858

DEP Laboratory ID: 68-05611  
EPA Lab Code: NC01463

PADWIS ID: 05611

Matrix: Drinking Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 533	1.0	10091619	11-Chloroeicosafiuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	9490	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2-FTS)	6948	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2-FTS)	6946	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2-FTS)	6947	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	6951	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	6952	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	Hexafluoropropylene oxide dimer acid (HFPO-DA)	9460	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	6956	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	6957	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	Perfluoro-3-methoxypropanoic acid (PFMPA)	6965	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	Perfluoro-4-methoxybutanoic acid (PFMBA)	6966	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	Perfluorobutanesulfonic acid (PFBS)	6918	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	Perfluorobutanoic acid (PFBA)	6915	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	Perfluorodecanoic acid (PFDA)	6905	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	Perfluorododecanoic acid (PFDoA)	6903	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	Perfluoroheptanesulfonic acid (PFHpS)	9470	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	Perfluoroheptanoic acid (PFHpA)	6908	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	Perfluorohexanesulfonic acid (PFHxS)	6927	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	Perfluorohexanoic acid (PFHxA)	6913	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	Perfluorononanoic acid (PFNA)	6906	NELAP	FL	12/30/2024

*Ammarie Beach*

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Matrix: Drinking Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 533	1.0	10091619	Perfluorooctanesulfonic acid (PFOS)	6931	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	Perfluorooctanoic acid (PFOA)	6912	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	Perfluoropentane sulfonic acid (PFPeS)	6934	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	Perfluoropentanoic acid (PFPeA)	6914	NELAP	FL	12/30/2024
EPA 533	1.0	10091619	Perfluoroundecanoic acid (PFUnA)	6904	NELAP	FL	12/30/2024
EPA 537.1	1.0	10091642	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	9490	NELAP	FL	12/08/2020
EPA 537.1	1.0	10091642	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	6951	NELAP	FL	12/08/2020
EPA 537.1	1.0	10091642	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	6952	NELAP	FL	12/08/2020
EPA 537.1	1.0	10091642	Hexafluoropropylene oxide dimer acid (HFPO-DA)	9460	NELAP	FL	12/08/2020
EPA 537.1	1.0	10091642	Perfluorobutanesulfonic acid (PFBS)	6918	NELAP	FL	12/08/2020
EPA 537.1	1.0	10091642	Perfluorodecanoic acid (PFDA)	6905	NELAP	FL	12/08/2020
EPA 537.1	1.0	10091642	Perfluorododecanoic acid (PFDoA)	6903	NELAP	FL	12/08/2020
EPA 537.1	1.0	10091642	Perfluoroheptanoic acid (PFHpA)	6908	NELAP	FL	12/08/2020
EPA 537.1	1.0	10091642	Perfluorohexanesulfonic acid (PFHxS)	6927	NELAP	FL	12/08/2020
EPA 537.1	1.0	10091642	Perfluorohexanoic acid (PFHxA)	6913	NELAP	FL	12/08/2020
EPA 537.1	1.0	10091642	Perfluorononanoic acid (PFNA)	6906	NELAP	FL	12/08/2020
EPA 537.1	1.0	10091642	Perfluorooctanesulfonic acid (PFOS)	6931	NELAP	FL	12/08/2020
EPA 537.1	1.0	10091642	Perfluorooctanoic acid (PFOA)	6912	NELAP	FL	12/08/2020
EPA 537.1	1.0	10091642	Perfluorotetradecanoic acid (PFTA)	6902	NELAP	FL	12/08/2020
EPA 537.1	1.0	10091642	Perfluorotridecanoic acid (PFTrDA)	9563	NELAP	FL	12/08/2020

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DEP Laboratory ID: 68-05611  
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PADWIS ID: 05611

**Matrix: Drinking Water**

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 537.1	1.0	10091642	Perfluoroundecanoic acid (PFUnA)	6904	NELAP	FL	12/08/2020
EPA 537.1	1.0	10091642	n-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4846	NELAP	FL	12/08/2020
EPA 537.1	1.0	10091642	n-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4847	NELAP	FL	12/08/2020

**Matrix: Non-Potable Water**

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 1613	B	10120602	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	9519	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	9516	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	9426	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	9420	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	9423	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	9453	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	9471	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	9456	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	9474	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	9459	NELAP	LA	05/05/2023

*Annmarie Beach*

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Enthalpy Analytical LLC - Wilmington  
2714 Exchange Drive  
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910-212-5858

DEP Laboratory ID: 68-05611  
EPA Lab Code: NC01463  
PADWIS ID: 05611

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 1613	B	10120602	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	9477	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	9540	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	9543	NELAP	LA	05/05/2023
EPA 1613	B	10120602	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	9480	NELAP	LA	05/05/2023
EPA 1613	B	10120602	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	9549	NELAP	LA	05/05/2023
EPA 1613	B	10120602	2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)(Dioxin)	9618	NELAP	LA	05/05/2023
EPA 1613	B	10120602	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	9612	NELAP	LA	05/05/2023
EPA 1613	B	10120602	Total heptachlorodibenzo-p-dioxin (HpCDD)	9438	NELAP	LA	05/05/2023
EPA 1613	B	10120602	Total heptachlorodibenzofuran (HpCDF)	9444	NELAP	LA	05/05/2023
EPA 1613	B	10120602	Total hexachlorodibenzo-p-dioxin (HxCDD)	9468	NELAP	LA	05/05/2023
EPA 1613	B	10120602	Total hexachlorodibenzofuran (HxCDF)	9483	NELAP	LA	05/05/2023
EPA 1613	B	10120602	Total pentachlorodibenzo-p-dioxin (PeCDD)	9555	NELAP	LA	05/05/2023
EPA 1613	B	10120602	Total pentachlorodibenzofuran (PeCDF)	9552	NELAP	LA	05/05/2023
EPA 1613	B	10120602	Total tetrachlorodibenzo-p-dioxin (TCDD)	9609	NELAP	LA	05/05/2023
EPA 1613	B	10120602	Total tetrachlorodibenzofuran (TCDF)	9615	NELAP	LA	05/05/2023
EPA 1633		10123463	Perfluorodecanesulfonic acid (PFDS)	6920	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluorododecanesulfonic acid (PFDoS)	6923	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluorononanesulfonic acid (PFNS)	6929	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluoropentanesulfonic acid (PFPeS)	6934	NELAP	LA	12/30/2024
EPA 1633		10123463	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	9490	NELAP	LA	12/30/2024

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Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 1633		10123463	1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2-FTS)	6948	NELAP	LA	12/30/2024
EPA 1633		10123463	1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2-FTS)	6946	NELAP	LA	12/30/2024
EPA 1633		10123463	1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2-FTS)	6947	NELAP	LA	12/30/2024
EPA 1633		10123463	2H,2H,3H,3H-Perfluorodecanoic acid (3-Perfluoroheptyl propanoic acid) (7:3 FTCA)	9340	NELAP	LA	12/30/2024
EPA 1633		10123463	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	9338	NELAP	LA	12/30/2024
EPA 1633		10123463	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3-Perfluoropropyl propanoic acid) (3:3 FTCA)	9353	NELAP	LA	12/30/2024
EPA 1633		10123463	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	6951	NELAP	LA	12/30/2024
EPA 1633		10123463	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	6952	NELAP	LA	12/30/2024
EPA 1633		10123463	Hexafluoropropylene oxide dimer acid (HFPO-DA)	9460	NELAP	LA	12/30/2024
EPA 1633		10123463	N-Ethylperfluorooctanesulfonamide (EtFOSA)	9395	NELAP	LA	12/30/2024
EPA 1633		10123463	N-Methylperfluorooctanesulfonamide (MeFOSA)	9433	NELAP	LA	12/30/2024
EPA 1633		10123463	N-ethylperfluoro-1-octanesulfonamido ethanol (N-EtFOSE)	9431	NELAP	LA	12/30/2024
EPA 1633		10123463	N-methylperfluoro-1-octanesulfonamido ethanol (N-MeFOSE)	6949	NELAP	LA	12/30/2024
EPA 1633		10123463	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	6956	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	6957	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluoro-3-methoxypropanoic acid (PFMPA)	6965	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluoro-4-methoxybutanoic acid (PFMBA)	6966	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluorobutanesulfonic acid (PFBS)	6918	NELAP	LA	12/30/2024

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Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 1633		10123463	Perfluorobutanoic acid (PFBA)	6915	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluorodecanoic acid (PFDA)	6905	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluorododecanoic acid (PFDoA)	6903	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluoroheptanesulfonic acid (PFHpS)	9470	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluoroheptanoic acid (PFHpA)	6908	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluorohexadecanoic acid (PFHxDA)	6901	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluorohexanesulfonic acid (PFHxS)	6927	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluorononanoic acid (PFNA)	6906	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluorooctane sulfonamide (PFOSA)	6917	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluorooctanesulfonic acid (PFOS)	6931	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluorooctanoic acid (PFOA)	6912	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluoropentanoic acid (PFPeA)	6914	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluorotetradecanoic acid (PFTa)	6902	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluorotridecanoic acid (PFTrDA)	9563	NELAP	LA	12/30/2024
EPA 1633		10123463	Perfluoroundecanoic acid (PFUnA)	6904	NELAP	LA	12/30/2024
EPA 1633		10123463	n-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4846	NELAP	LA	12/30/2024
EPA 1633		10123463	n-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4847	NELAP	LA	12/30/2024
EPA 8290	A	10187403	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	9519	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	9516	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	9426	NELAP	LA	05/05/2023

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Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8290	A	10187403	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpCDF)	9420	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpCDF)	9423	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	9453	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	9471	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	9456	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	9474	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	9459	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	9477	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	9540	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	9543	NELAP	LA	05/05/2023
EPA 8290	A	10187403	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	9480	NELAP	LA	05/05/2023
EPA 8290	A	10187403	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	9549	NELAP	LA	05/05/2023
EPA 8290	A	10187403	2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)(Dioxin)	9618	NELAP	LA	05/05/2023
EPA 8290	A	10187403	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	9612	NELAP	LA	05/05/2023
EPA 8290	A	10187403	Total heptachlorodibenzo-p-dioxin (HpCDD)	9438	NELAP	LA	05/05/2023
EPA 8290	A	10187403	Total heptachlorodibenzofuran (HpCDF)	9444	NELAP	LA	05/05/2023
EPA 8290	A	10187403	Total hexachlorodibenzo-p-dioxin (HxCDD)	9468	NELAP	LA	05/05/2023
EPA 8290	A	10187403	Total hexachlorodibenzofuran (HxCDF)	9483	NELAP	LA	05/05/2023
EPA 8290	A	10187403	Total pentachlorodibenzo-p-dioxin (PeCDD)	9555	NELAP	LA	05/05/2023
EPA 8290	A	10187403	Total pentachlorodibenzofuran (PeCDF)	9552	NELAP	LA	05/05/2023

*Annmarie Beach*

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Attached to Certificate of Accreditation 005-001 expiration date 12/31/2025. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Enthalpy Analytical LLC - Wilmington  
2714 Exchange Drive  
Wilmington, NC 28405  
910-212-5858

DEP Laboratory ID: 68-05611  
EPA Lab Code: NC01463

PADWIS ID: 05611

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8290	A	10187403	Total tetrachlorodibenzo-p-dioxin (TCDD)	9609	NELAP	LA	05/05/2023
EPA 8290	A	10187403	Total tetrachlorodibenzofuran (TCDF)	9615	NELAP	LA	05/05/2023
SOP (05611) EU047	9		Perfluorobutane sulfonate (PFBS)	6911	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorohexane sulfonate (PFHxS)	6910	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorooctane sulfonate (PFOS)	6909	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluoropentanesulfonic acid (PFPeS)	6934	NELAP	LA	12/18/2023
SOP (05611) EU047	9		6:2 Fluorotelomersulfonate (6:2FTS)	6457	NELAP	LA	12/18/2023
SOP (05611) EU047	9		8:2 Fluorotelomersulfonate (8:2FTS)	6461	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Fluorotelomer sulfonate (4:2FTS)	9437	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorobutanoic acid (PFBA)	6915	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorodecane sulfonate (PFDS)	9562	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorodecanoic acid (PFDA)	6905	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorododecanoic acid (PFDoA)	6903	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluoroheptanesulfonic acid (PFHpS)	9470	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluoroheptanoic acid (PFHpA)	6908	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorohexanoic acid (PFHxA)	6913	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorononanesulfonate (PFNS)	9464	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorononanoic acid (PFNA)	6906	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorooctane sulfonamide (PFOSA)	6917	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorooctanoic acid (PFOA)	6912	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluoropentanoic acid (PFPeA)	6914	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorotetradecanoic acid (PFTA)	6902	NELAP	LA	12/18/2023

*Annamarie Beach*

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Enthalpy Analytical LLC - Wilmington  
2714 Exchange Drive  
Wilmington, NC 28405  
910-212-5858

DEP Laboratory ID: 68-05611  
EPA Lab Code: NC01463  
PADWIS ID: 05611

**Matrix: Non-Potable Water**

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
SOP (05611) EU047	9		Perfluorotridecanoic acid (PFTrDA)	9563	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluoroundecanoic acid (PFUnA)	6904	NELAP	LA	12/18/2023
SOP (05611) EU047	9		n-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4846	NELAP	LA	12/18/2023
SOP (05611) EU047	9		n-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4847	NELAP	LA	12/18/2023

**Matrix: Solid and Chemical Materials**

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 1613	B	10120602	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	9519	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	9516	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	9426	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	9420	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	9423	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	9453	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	9471	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	9456	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	9474	NELAP	LA	05/05/2023

*Annmarie Beach*

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Enthalpy Analytical LLC - Wilmington  
2714 Exchange Drive  
Wilmington, NC 28405  
910-212-5858

DEP Laboratory ID: 68-05611  
EPA Lab Code: NC01463

PADWIS ID: 05611

**Matrix: Solid and Chemical Materials**

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 1613	B	10120602	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	9459	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	9477	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	9540	NELAP	LA	05/05/2023
EPA 1613	B	10120602	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	9543	NELAP	LA	05/05/2023
EPA 1613	B	10120602	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	9480	NELAP	LA	05/05/2023
EPA 1613	B	10120602	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	9549	NELAP	LA	05/05/2023
EPA 1613	B	10120602	2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)(Dioxin)	9618	NELAP	LA	05/05/2023
EPA 1613	B	10120602	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	9612	NELAP	LA	05/05/2023
EPA 1613	B	10120602	Total heptachlorodibenzo-p-dioxin (HpCDD)	9438	NELAP	LA	05/05/2023
EPA 1613	B	10120602	Total heptachlorodibenzofuran (HpCDF)	9444	NELAP	LA	05/05/2023
EPA 1613	B	10120602	Total hexachlorodibenzo-p-dioxin (HxCDD)	9468	NELAP	LA	05/05/2023
EPA 1613	B	10120602	Total hexachlorodibenzofuran (HxCDF)	9483	NELAP	LA	05/05/2023
EPA 1613	B	10120602	Total pentachlorodibenzo-p-dioxin (PeCDD)	9555	NELAP	LA	05/05/2023
EPA 1613	B	10120602	Total pentachlorodibenzofuran (PeCDF)	9552	NELAP	LA	05/05/2023
EPA 1613	B	10120602	Total tetrachlorodibenzo-p-dioxin (TCDD)	9609	NELAP	LA	05/05/2023
EPA 1613	B	10120602	Total tetrachlorodibenzofuran (TCDF)	9615	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	9519	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	9516	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	9426	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	9420	NELAP	LA	05/05/2023

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2714 Exchange Drive  
Wilmington, NC 28405  
910-212-5858

DEP Laboratory ID: 68-05611  
EPA Lab Code: NC01463  
PADWIS ID: 05611

Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8290	A	10187403	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpCDF)	9423	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	9453	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	9471	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	9456	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	9474	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	9459	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	9477	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	9540	NELAP	LA	05/05/2023
EPA 8290	A	10187403	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	9543	NELAP	LA	05/05/2023
EPA 8290	A	10187403	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	9480	NELAP	LA	05/05/2023
EPA 8290	A	10187403	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	9549	NELAP	LA	05/05/2023
EPA 8290	A	10187403	2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)(Dioxin)	9618	NELAP	LA	05/05/2023
EPA 8290	A	10187403	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	9612	NELAP	LA	05/05/2023
EPA 8290	A	10187403	Total heptachlorodibenzo-p-dioxin (HpCDD)	9438	NELAP	LA	05/05/2023
EPA 8290	A	10187403	Total heptachlorodibenzofuran (HpCDF)	9444	NELAP	LA	05/05/2023
EPA 8290	A	10187403	Total hexachlorodibenzo-p-dioxin (HxCDD)	9468	NELAP	LA	05/05/2023
EPA 8290	A	10187403	Total hexachlorodibenzofuran (HxCDF)	9483	NELAP	LA	05/05/2023
EPA 8290	A	10187403	Total pentachlorodibenzo-p-dioxin (PeCDD)	9555	NELAP	LA	05/05/2023
EPA 8290	A	10187403	Total pentachlorodibenzofuran (PeCDF)	9552	NELAP	LA	05/05/2023
EPA 8290	A	10187403	Total tetrachlorodibenzo-p-dioxin (TCDD)	9609	NELAP	LA	05/05/2023

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2714 Exchange Drive  
Wilmington, NC 28405  
910-212-5858

DEP Laboratory ID: 68-05611  
EPA Lab Code: NC01463

PADWIS ID: 05611

**Matrix: Solid and Chemical Materials**

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 8290	A	10187403	Total tetrachlorodibenzofuran (TCDF)	9615	NELAP	LA	05/05/2023
SOP (05611) EU047	9		Perfluorobutane sulfonate (PFBS)	6911	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorohexane sulfonate (PFHxS)	6910	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorooctane sulfonate (PFOS)	6909	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluoropentanesulfonic acid (PFPeS)	6934	NELAP	LA	12/18/2023
SOP (05611) EU047	9		6:2 Fluorotelomersulfonate (6:2FTS)	6457	NELAP	LA	12/18/2023
SOP (05611) EU047	9		8:2 Fluorotelomersulfonate (8:2FTS)	6461	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Fluorotelomer sulfonate (4:2FTS)	9437	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorobutanoic acid (PFBA)	6915	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorodecane sulfonate (PFDS)	9562	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorodecanoic acid (PFDA)	6905	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorododecanoic acid (PFDoA)	6903	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluoroheptanesulfonic acid (PFHpS)	9470	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluoroheptanoic acid (PFHpA)	6908	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorohexanoic acid (PFHxA)	6913	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorononanesulfonate (PFNS)	9464	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorononanoic acid (PFNA)	6906	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorooctane sulfonamide (PFOSA)	6917	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorooctanoic acid (PFOA)	6912	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluoropentanoic acid (PFPeA)	6914	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorotetradecanoic acid (PFTA)	6902	NELAP	LA	12/18/2023
SOP (05611) EU047	9		Perfluorotridecanoic acid (PFTrDA)	9563	NELAP	LA	12/18/2023

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## Laboratory Scope of Accreditation



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DEP Laboratory ID: 68-05611  
EPA Lab Code: NC01463  
PADWIS ID: 05611

### Matrix: Solid and Chemical Materials

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
SOP (05611) EU047	9		Perfluoroundecanoic acid (PFUnA)	6904	NELAP	LA	12/18/2023
SOP (05611) EU047	9		n-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4846	NELAP	LA	12/18/2023
SOP (05611) EU047	9		n-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4847	NELAP	LA	12/18/2023

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